

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061139.D
 Acq On : 18 Mar 2019 12:24
 Operator : VA/AP
 Sample : VD0318SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:14:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	699423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1101943	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	950881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	418983	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	275783	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	
35) Dibromofluoromethane	6.92	113	439921	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
50) Toluene-d8	10.40	98	1071684	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	13.55	95	401194	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	122480	17.678	ug/l	99
3) Chloromethane	1.77	50	105234	18.234	ug/l	96
4) Vinyl Chloride	1.86	62	93957	17.618	ug/l	96
5) Bromomethane	2.16	94	17541	15.932	ug/l	95
6) Chloroethane	2.27	64	25122	15.738	ug/l	100
7) Trichlorofluoromethane	2.53	101	130858	17.081	ug/l	97
8) Diethyl Ether	2.88	74	46120	18.248	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.15	101	159357	18.605	ug/l	95
10) Methyl Iodide	3.31	142	164171	16.035	ug/l	100
11) Tert butyl alcohol	4.07	59	31028	83.716	ug/l #	92
12) 1,1-Dichloroethene	3.13	96	124325	17.708	ug/l	95
13) Acrolein	3.04	56	32006	59.682	ug/l	98
14) Allyl chloride	3.63	41	192442	17.132	ug/l	99
15) Acrylonitrile	4.20	53	117311	89.555	ug/l	99
16) Acetone	3.22	43	165563	99.448	ug/l	97
17) Carbon Disulfide	3.38	76	397264	16.774	ug/l	99
18) Methyl Acetate	3.65	43	54793	16.724	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	243475	19.788	ug/l	98
20) Methylene Chloride	3.81	84	141410	15.402	ug/l	94
21) trans-1,2-Dichloroethene	4.22	96	141891	18.672	ug/l	95
22) Diisopropyl ether	5.12	45	425577	18.250	ug/l	96
23) Vinyl Acetate	5.05	43	1133210	94.665	ug/l	99
24) 1,1-Dichloroethane	4.98	63	225410	17.642	ug/l	99
25) 2-Butanone	6.07	43	179255	94.888	ug/l	99
26) 2,2-Dichloropropane	6.02	77	187495	18.798	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	151191	18.752	ug/l	96
28) Bromochloromethane	6.43	49	94282	17.431	ug/l	90
29) Tetrahydrofuran	6.45	42	88112	85.897	ug/l	97
30) Chloroform	6.67	83	242869	18.341	ug/l	98
31) Cyclohexane	6.95	56	189820	18.425	ug/l	94
32) 1,1,1-Trichloroethane	6.86	97	220691	19.277	ug/l	96
36) 1,1-Dichloropropene	7.14	75	194181	20.443	ug/l	98
37) Ethyl Acetate	6.18	43	84042	18.855	ug/l	99
38) Carbon Tetrachloride	7.11	117	216665	20.708	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	197042	20.006	ug/l	96
40) Benzene	7.46	78	465097	19.596	ug/l	98
41) Methacrylonitrile	6.44	41	96077	18.740	ug/l	98
42) 1,2-Dichloroethane	7.57	62	143630	20.853	ug/l	100
43) Isopropyl Acetate	9.24	43	118835	19.249	ug/l #	99
44) Trichloroethene	8.54	130	170265	20.794	ug/l	99
45) 1,2-Dichloropropane	8.93	63	127169	20.394	ug/l	96
46) Dibromomethane	9.06	93	78268	19.788	ug/l	99
47) Bromodichloromethane	9.36	83	180361	20.207	ug/l	99
48) Methyl methacrylate	9.12	41	67938	19.545	ug/l	98
49) 1,4-Dioxane	9.08	88	14497	412.453	ug/l #	93
51) 4-Methyl-2-Pentanone	10.29	43	347924	91.992	ug/l	99
52) Toluene	10.50	92	287056	19.449	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	159687	19.566	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	200676	20.464	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	99569	20.258	ug/l	96
56) Ethyl methacrylate	11.04	69	104572	20.326	ug/l	99
57) 1,3-Dichloropropane	11.40	76	152692	20.788	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	271563	99.722	ug/l	95
59) 2-Hexanone	11.52	43	274700	99.292	ug/l	99
60) Dibromochloromethane	11.68	129	155159	21.450	ug/l	100
61) 1,2-Dibromoethane	11.80	107	119102	20.831	ug/l	99
64) Tetrachloroethene	11.25	164	131168	20.435	ug/l	95
65) Chlorobenzene	12.39	112	379677	20.368	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	149245	22.461	ug/l	98
67) Ethyl Benzene	12.52	91	614404	22.139	ug/l	99
68) m/p-Xylenes	12.66	106	450705	41.377	ug/l	98
69) o-Xylene	13.05	106	199118	18.597	ug/l	99
70) Styrene	13.07	104	290550	16.619	ug/l	98
71) Bromoform	13.23	173	88068	20.545	ug/l	98
73) Isopropylbenzene	13.40	105	514841	17.050	ug/l	99
74) N-amyl acetate	13.26	43	158042	18.588	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	114100	19.368	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	108788	18.048	ug/l	98
77) Bromobenzene	13.67	156	159906	20.746	ug/l	98
78) n-propylbenzene	13.77	91	651665	18.435	ug/l	100
79) 2-Chlorotoluene	13.83	91	387955	19.935	ug/l	100
80) 1,3,5-Trimethylbenzene	14.23	105	462063	20.157	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	33310	18.744	ug/l	98
82) 4-Chlorotoluene	13.94	91	438259	19.049	ug/l	100
83) tert-Butylbenzene	14.19	119	528298	21.059	ug/l	98
84) 1,2,4-Trimethylbenzene	14.23	105	462063	20.157	ug/l	98
85) sec-Butylbenzene	14.37	105	608380	19.865	ug/l	98
86) p-Isopropyltoluene	14.48	119	505243	20.183	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	272492	19.798	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	275779	20.390	ug/l	97
89) n-Butylbenzene	14.79	91	453341	18.858	ug/l	99
90) Hexachloroethane	15.01	117	128775	18.217	ug/l	99
91) 1,2-Dichlorobenzene	14.81	146	241817	21.075	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	15.38	75	13246	18.658	ug/l	91

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QLast Update : Fri Mar 08 02:35:39 2019
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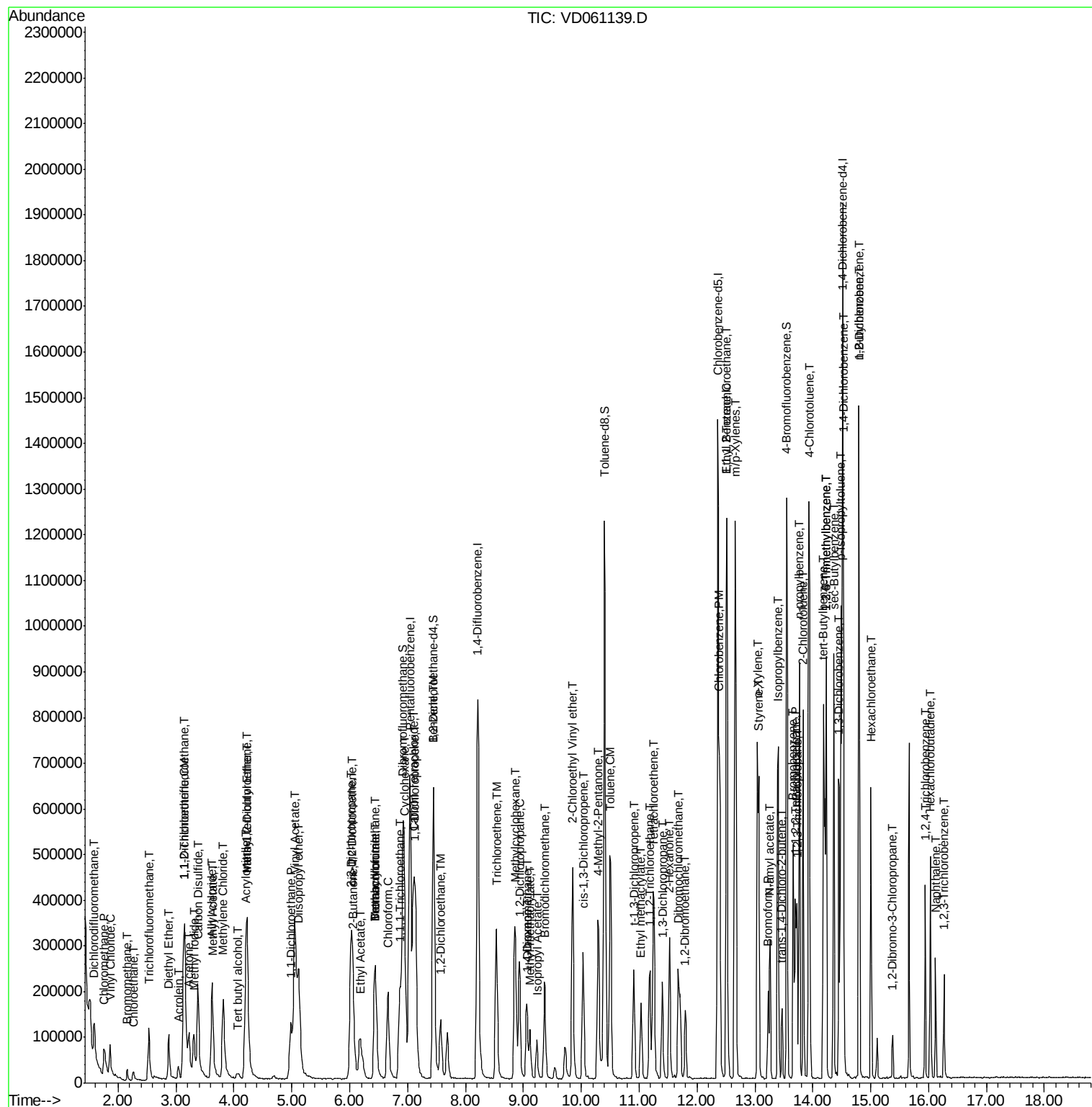
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	105459	19.812	ug/l	95
94) Hexachlorobutadiene	16.03	225	80484	19.990	ug/l	98
95) Naphthalene	16.12	128	157309	19.448	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	54108	20.581	ug/l	94

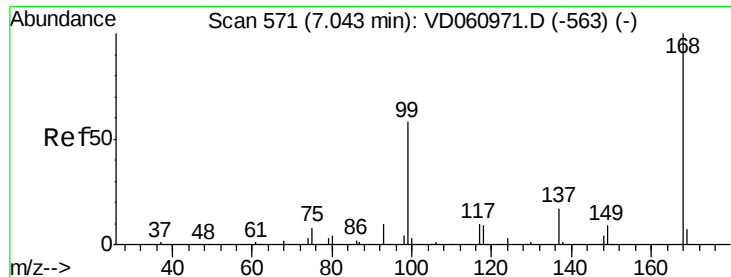
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampled :

Quant Time: Mar 19 02:14:19 2019
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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

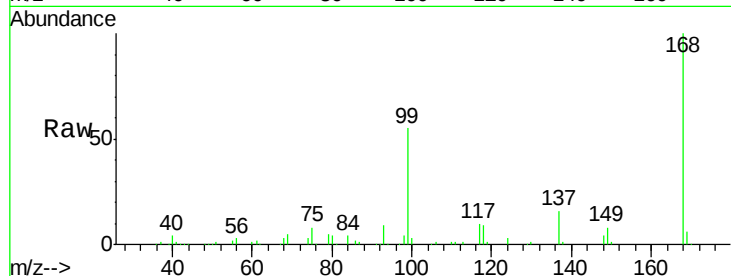
ClientSampleId :

Tot Ion:168 Resp: 699423

Ion Ratio Lower Upper

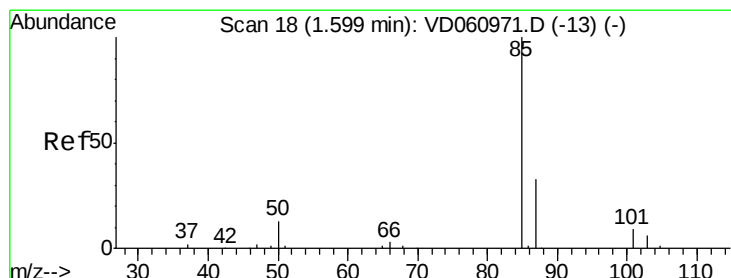
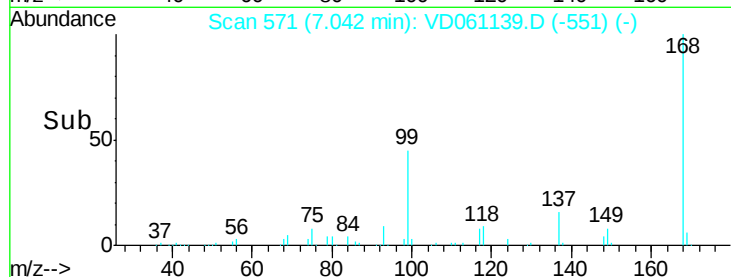
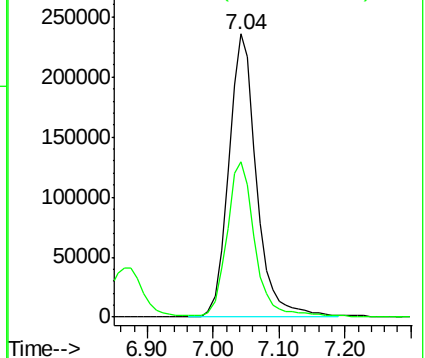
168 100

99 54.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.678 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061139.D

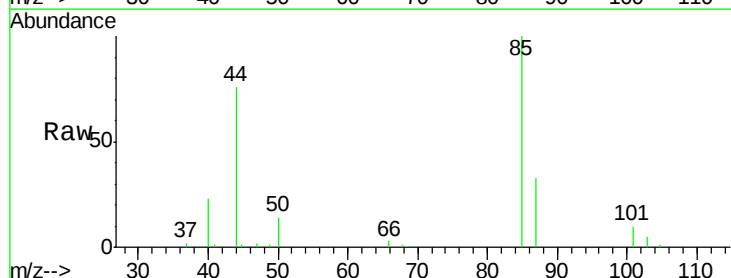
Acq: 18 Mar 2019 12:24

Tgt Ion: 85 Resp: 122480

Ion Ratio Lower Upper

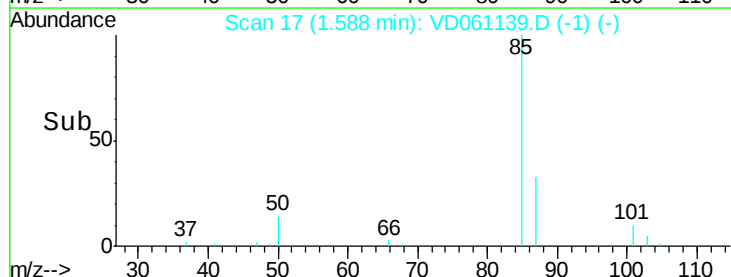
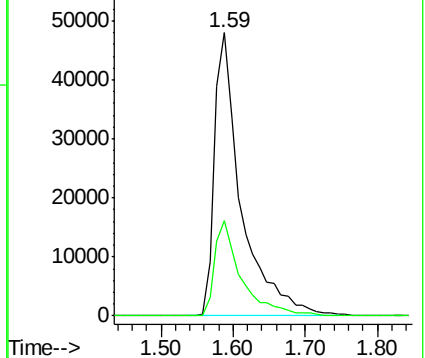
85 100

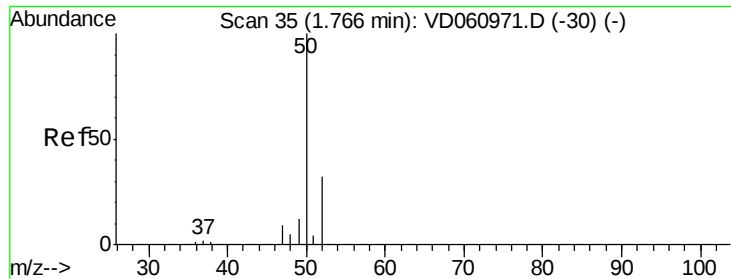
87 33.5 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.234 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

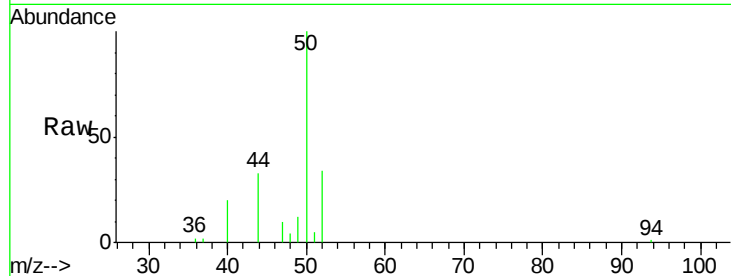
ClientSampleId :

Tot Ion: 50 Resp: 105234

Ion Ratio Lower Upper

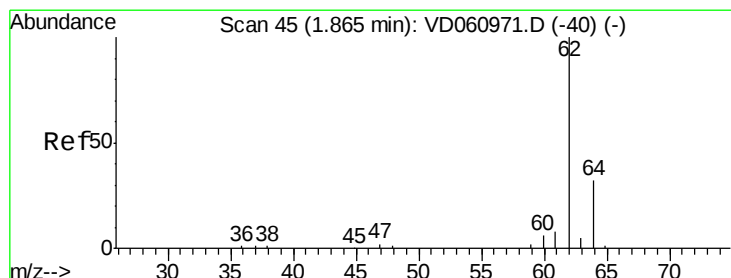
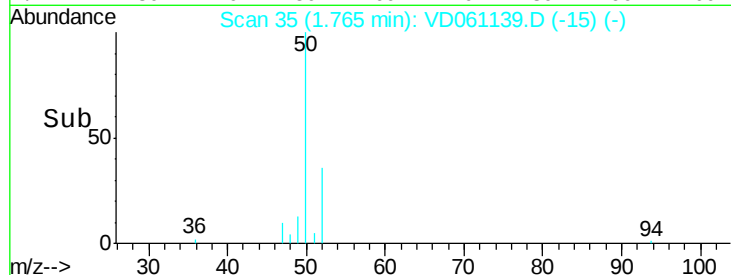
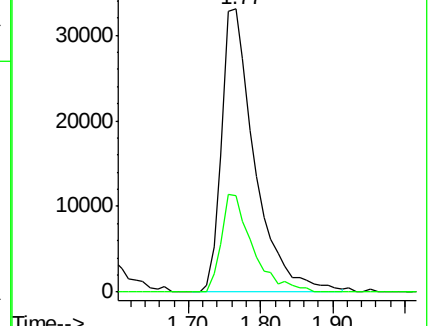
50 100

52 34.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.618 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061139.D

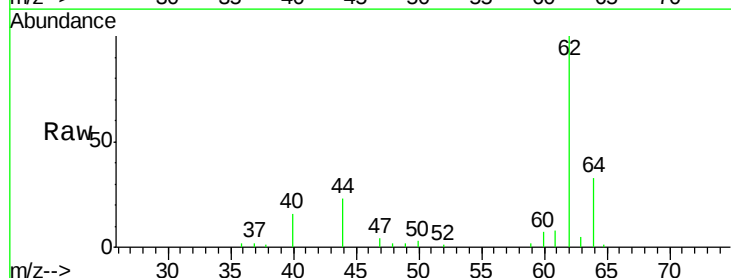
Acq: 18 Mar 2019 12:24

Tgt Ion: 62 Resp: 93957

Ion Ratio Lower Upper

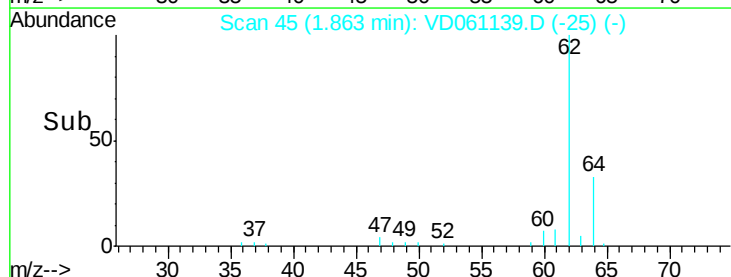
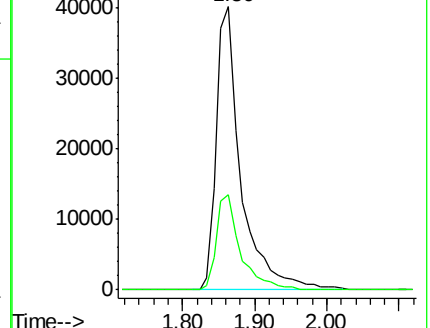
62 100

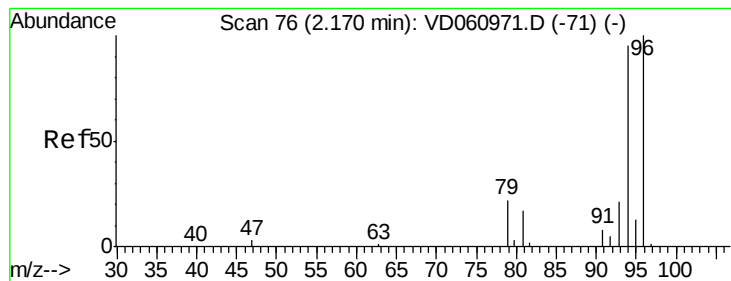
64 33.5 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.932 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampled :

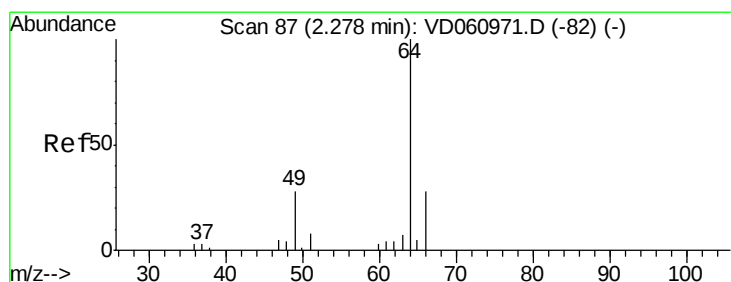
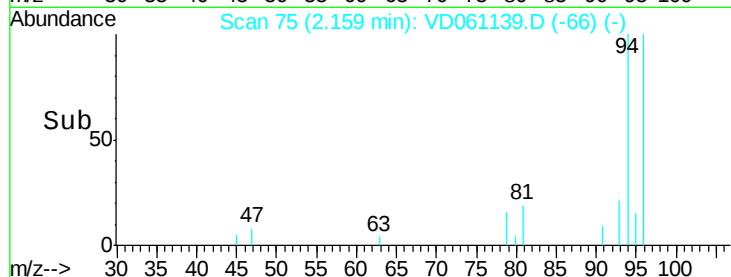
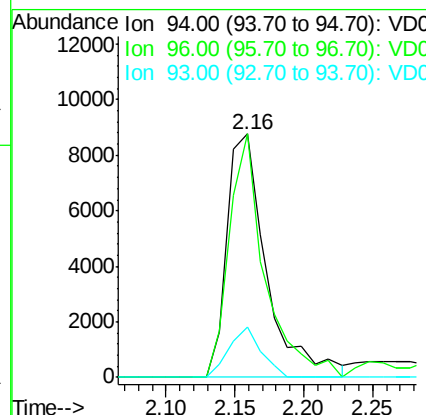
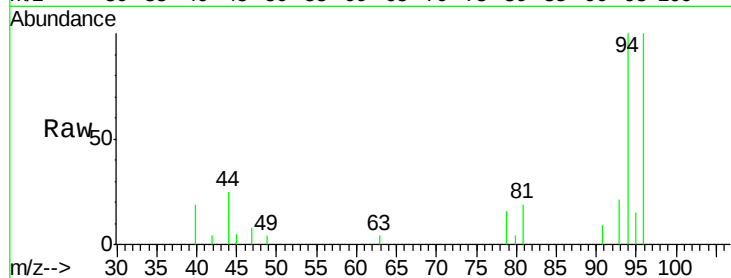
Tot Ion: 94 Resp: 17541

Ion Ratio Lower Upper

94 100

96 99.8 84.0 126.0

93 20.7 17.3 25.9



#6

Chloroethane

Concen: 15.738 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061139.D

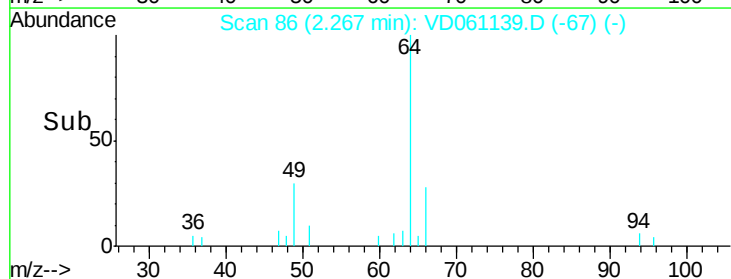
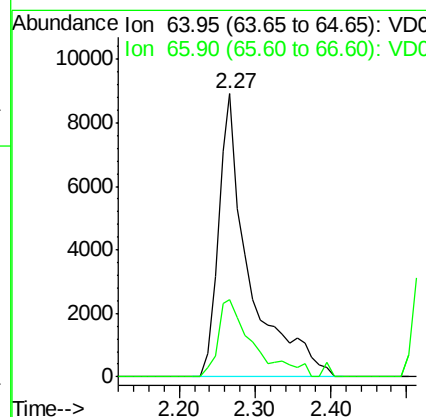
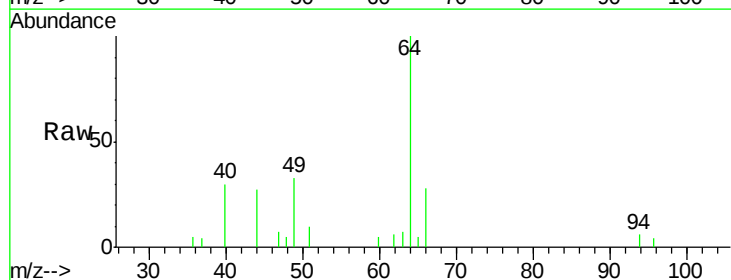
Acq: 18 Mar 2019 12:24

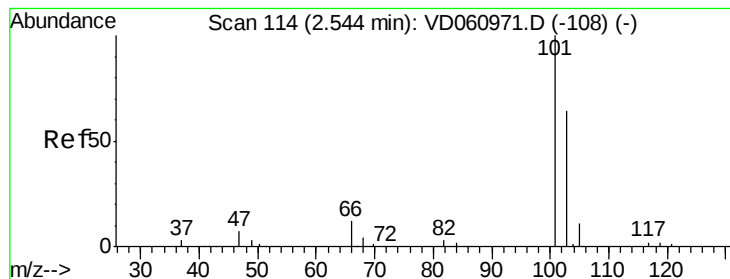
Tgt Ion: 64 Resp: 25122

Ion Ratio Lower Upper

64 100

66 27.5 22.2 33.2



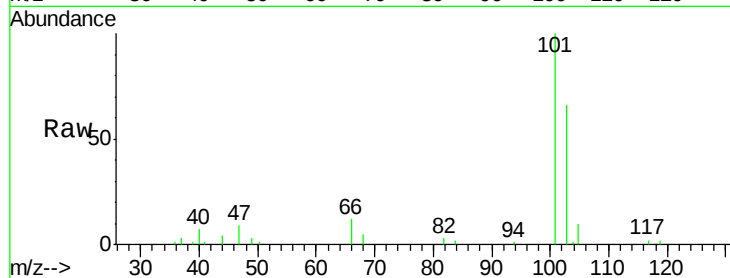


#7

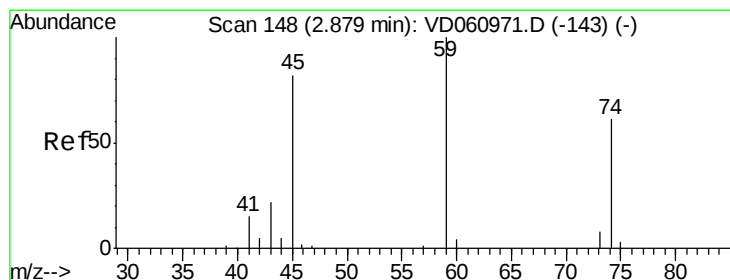
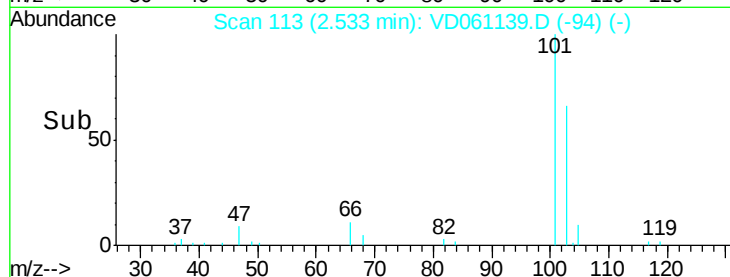
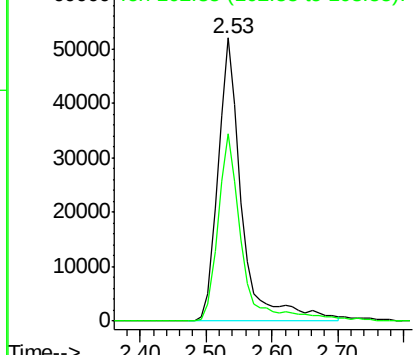
Trichlorofluoromethane
Concen: 17.081 ug/l
RT: 2.53 min Scan# 113
Delta R.T. -0.01 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:101 Resp: 130858
Ion Ratio Lower Upper
101 100
103 66.4 51.2 76.8



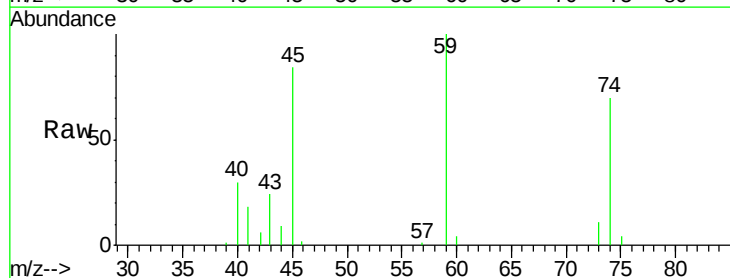
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



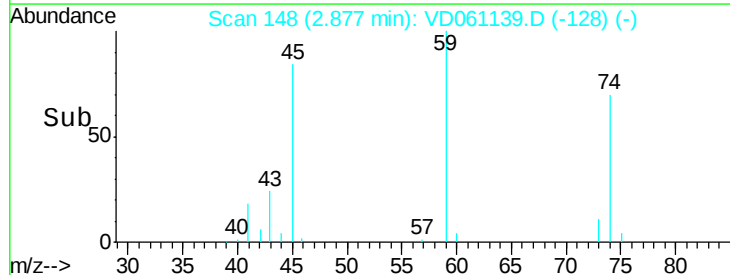
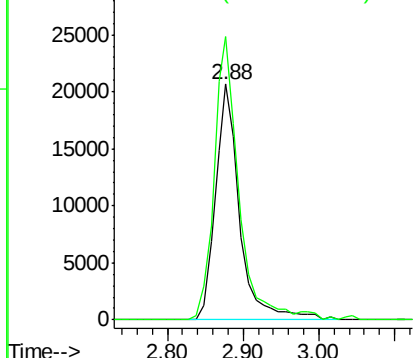
#8

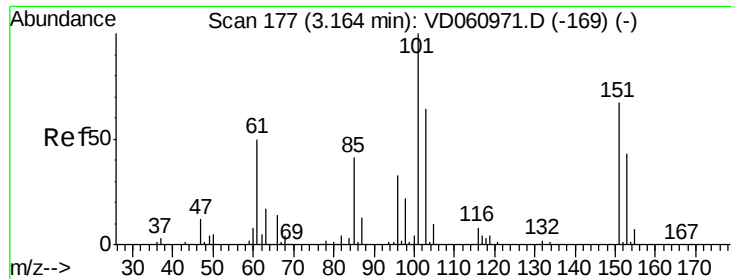
Diethyl Ether
Concen: 18.248 ug/l
RT: 2.88 min Scan# 148
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Tgt Ion: 74 Resp: 46120
Ion Ratio Lower Upper
74 100
45 120.1 67.0 201.1



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.605 ug/l

RT: 3.15 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

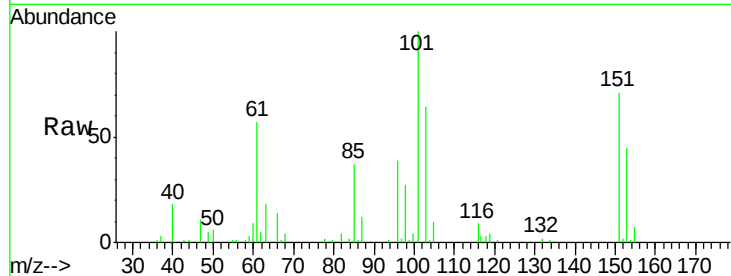
Tot Ion:101 Resp: 159357

Ion Ratio Lower Upper

101 100

85 37.1 32.5 48.7

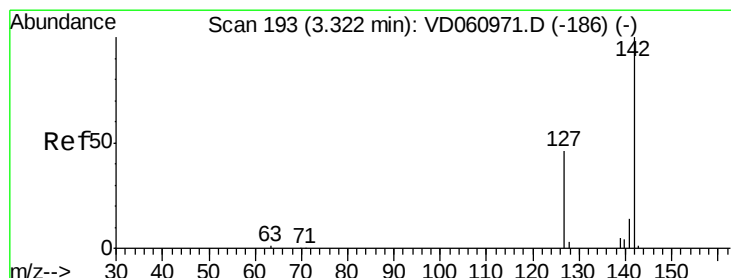
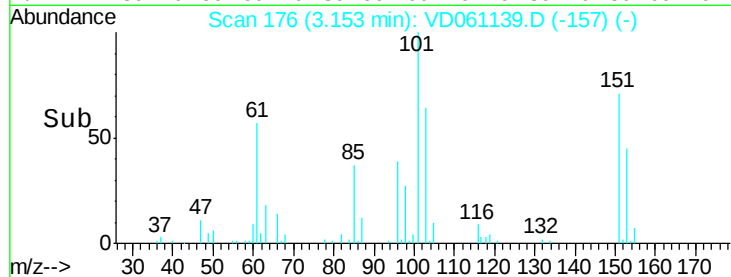
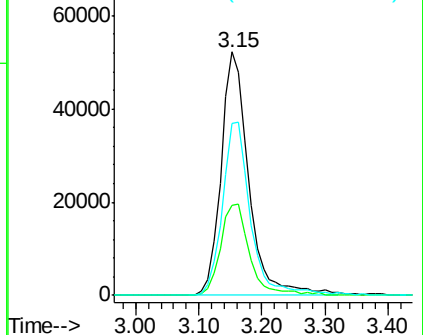
151 70.6 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.035 ug/l

RT: 3.31 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

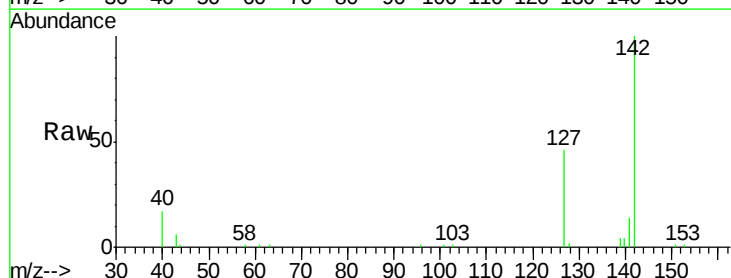
Tgt Ion:142 Resp: 164171

Ion Ratio Lower Upper

142 100

127 46.3 36.8 55.2

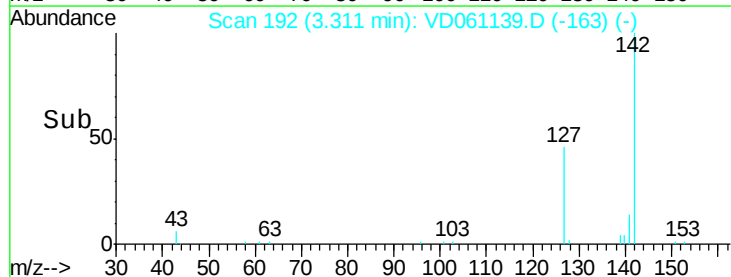
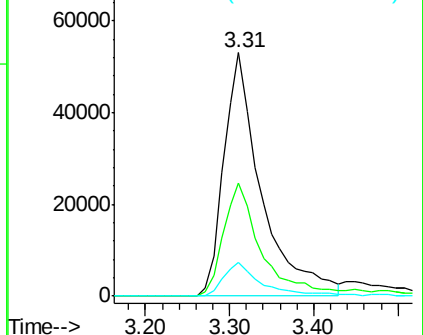
141 14.0 11.2 16.8

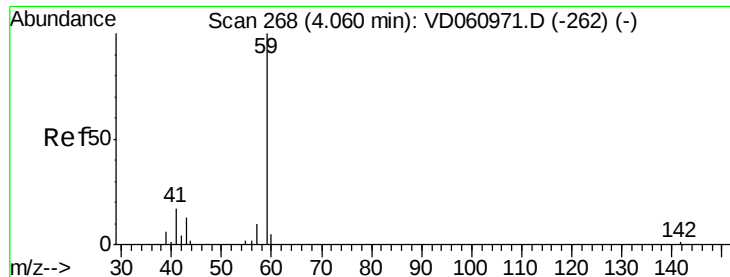


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



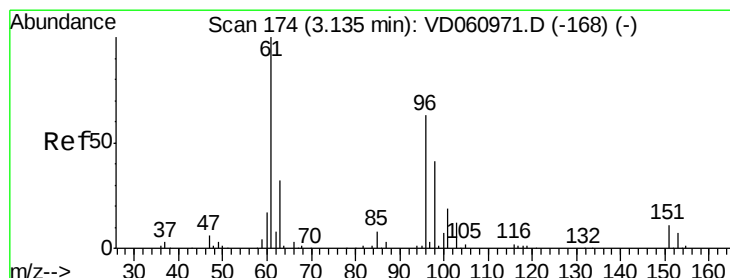
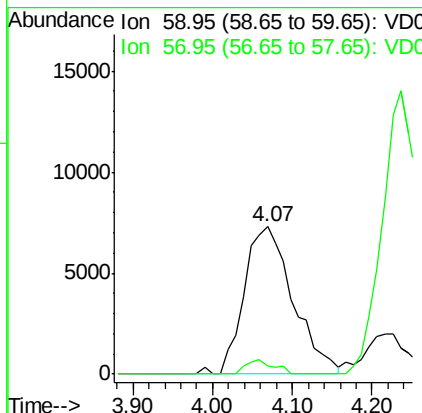
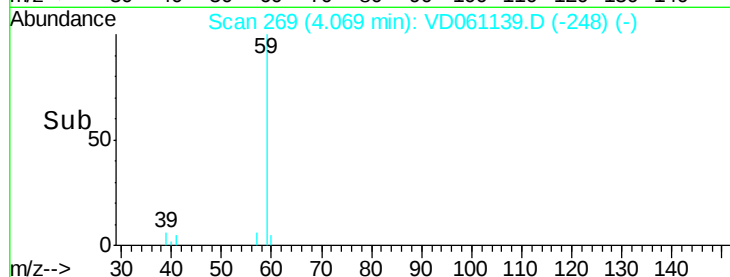
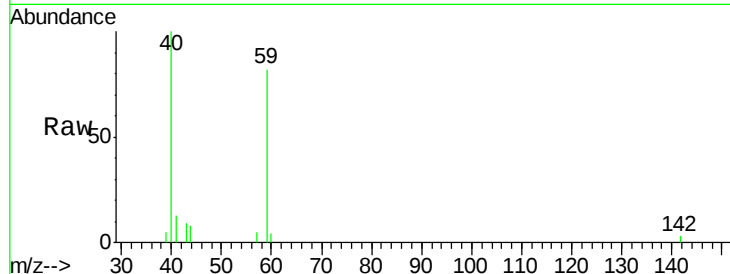


#11

Tert butyl alcohol
Concen: 83.716 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Instrument :
MSVOA_D
ClientSampled :

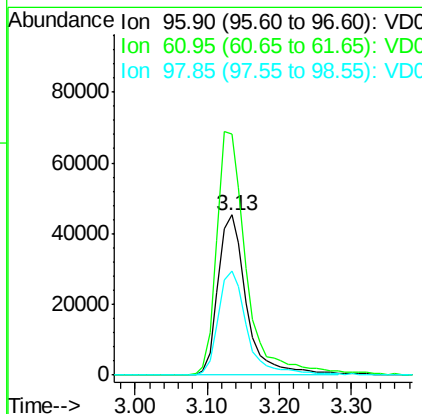
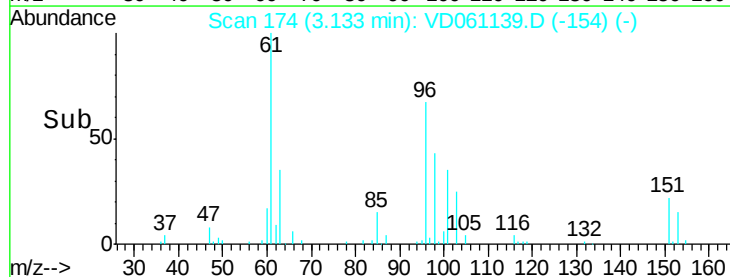
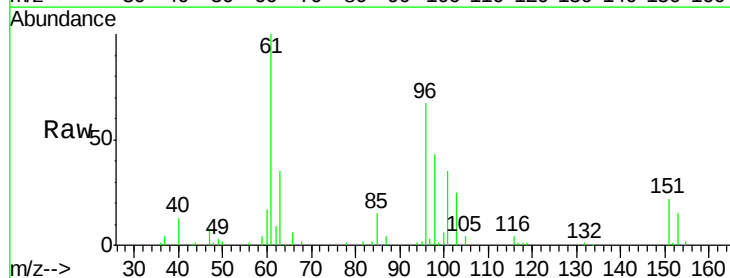
Tot Ion: 59 Resp: 31028
Ion Ratio Lower Upper
59 100
57 6.0 7.1 10.7#

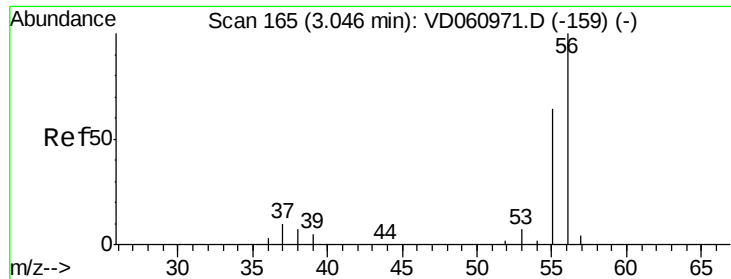


#12

1,1-Dichloroethene
Concen: 17.708 ug/l
RT: 3.13 min Scan# 174
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Tgt Ion: 96 Resp: 124325
Ion Ratio Lower Upper
96 100
61 150.3 127.1 190.7
98 65.4 51.5 77.3

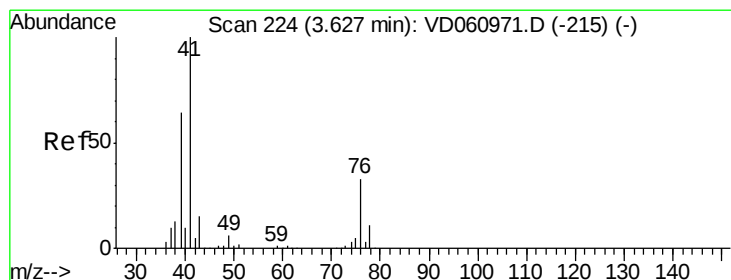
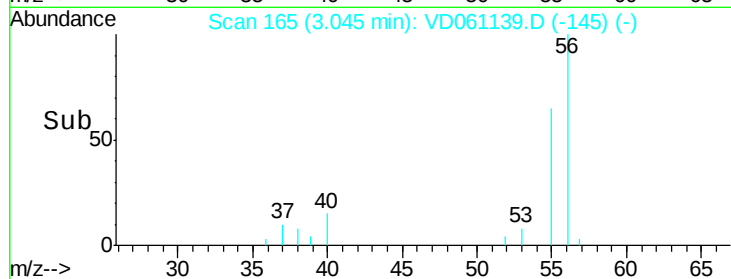
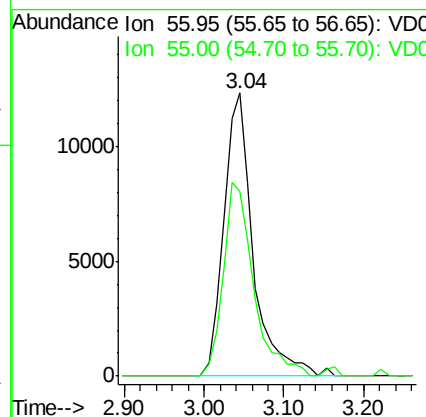
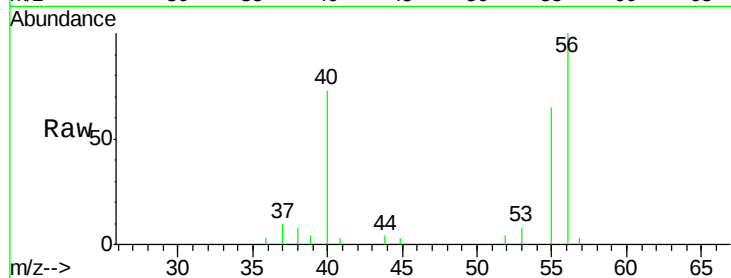




#13
Acrolein
Concen: 59.682 ug/l
RT: 3.04 min Scan# 165
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

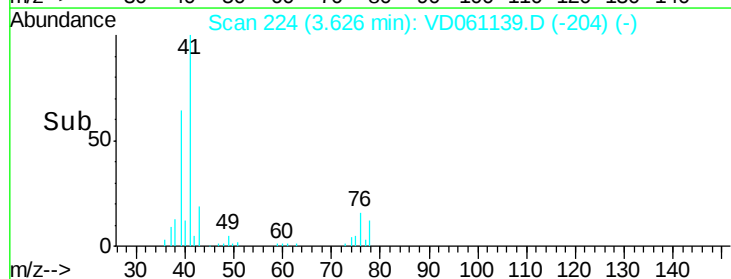
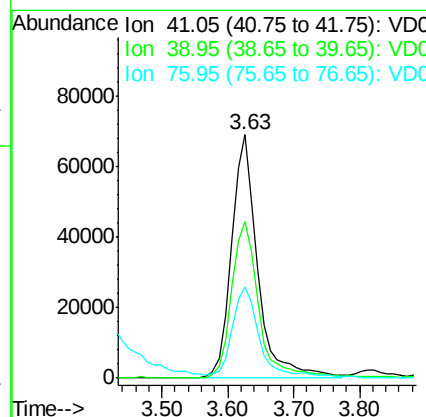
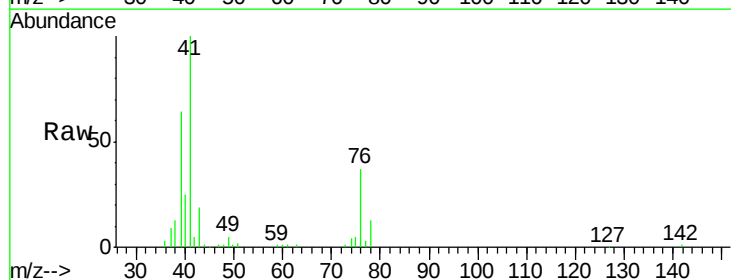
Instrument :
MSVOA_D
ClientSampled :

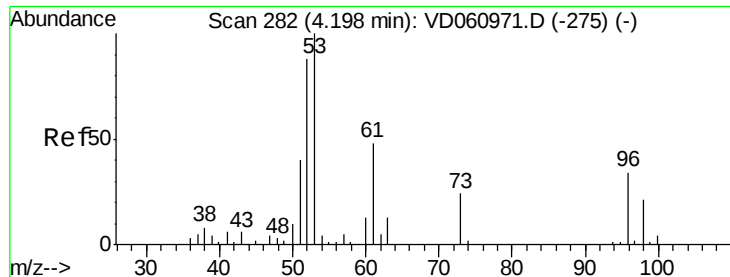
Tot Ion: 56 Resp: 32006
Ion Ratio Lower Upper
56 100
55 65.4 51.3 76.9



#14
Allyl chloride
Concen: 17.132 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Tgt Ion: 41 Resp: 192442
Ion Ratio Lower Upper
41 100
39 64.2 51.1 76.7
76 37.3 29.1 43.7





#15

Acrylonitrile

Concen: 89.555 ug/l

RT: 4.20 min Scan# 282

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampled :

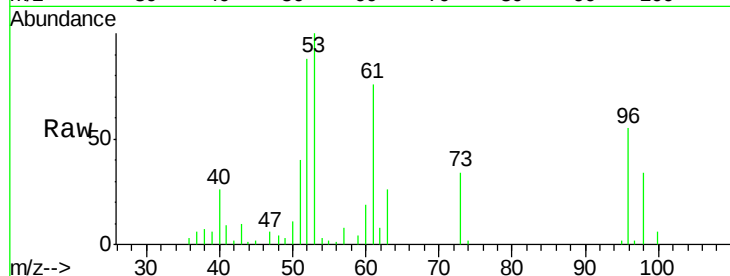
Tot Ion: 53 Resp: 117311

Ion Ratio Lower Upper

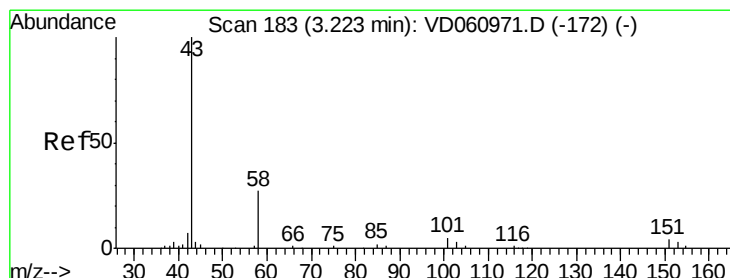
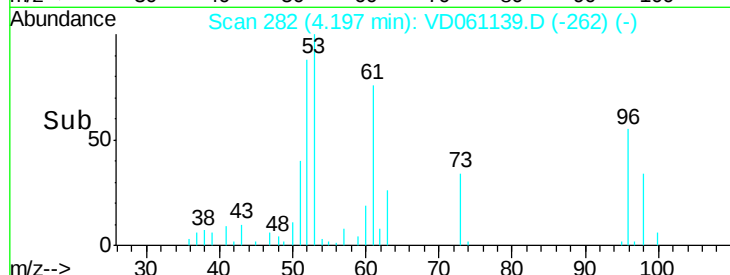
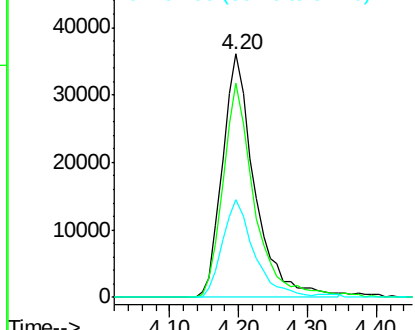
53 100

52 88.2 70.2 105.4

51 40.1 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 99.448 ug/l

RT: 3.22 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD061139.D

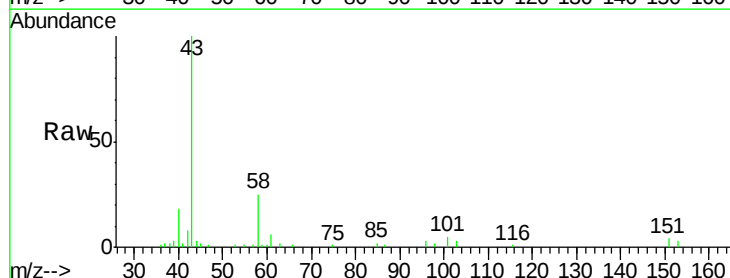
Acq: 18 Mar 2019 12:24

Tgt Ion: 43 Resp: 165563

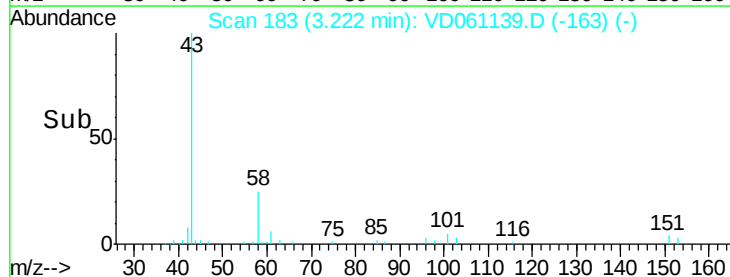
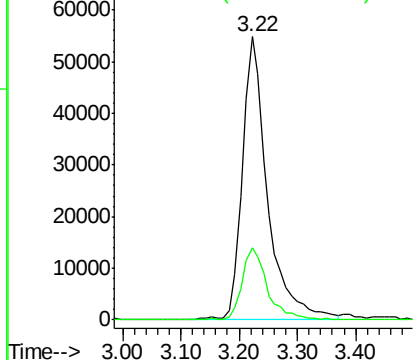
Ion Ratio Lower Upper

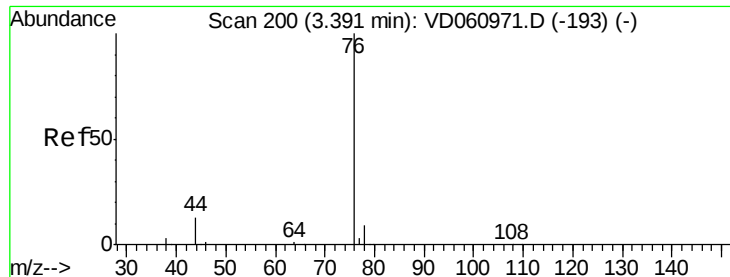
43 100

58 25.4 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

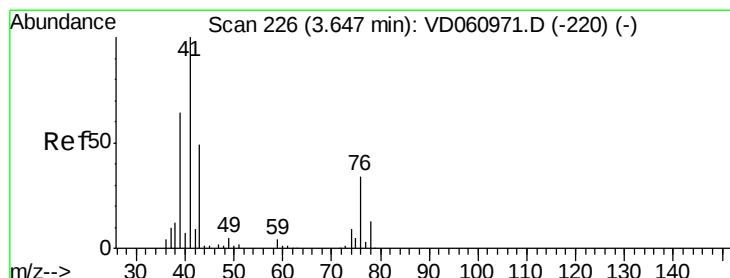
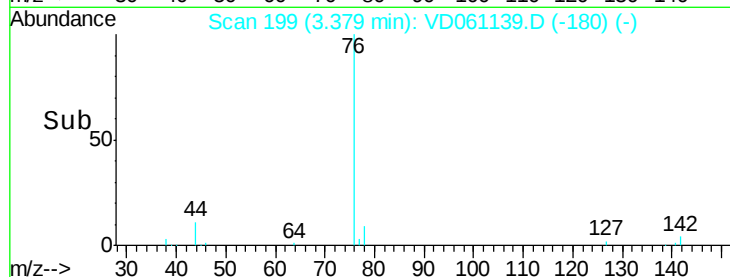
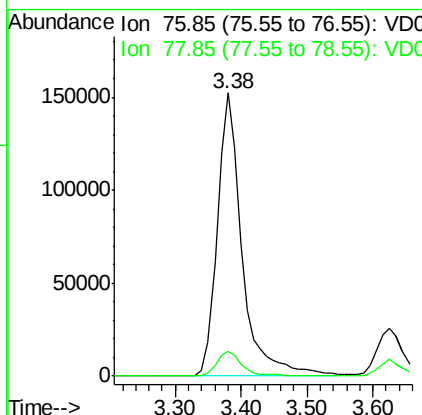
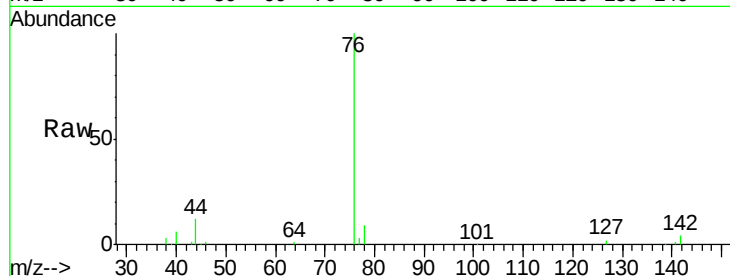




#17
Carbon Disulfide
Concen: 16.774 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

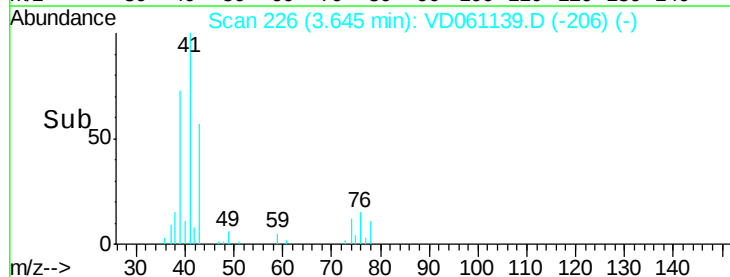
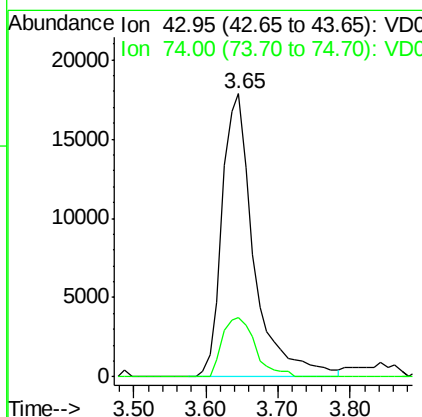
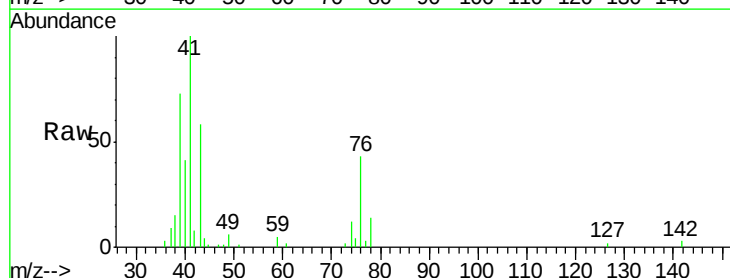
Instrument :
MSVOA_D
ClientSampleId :

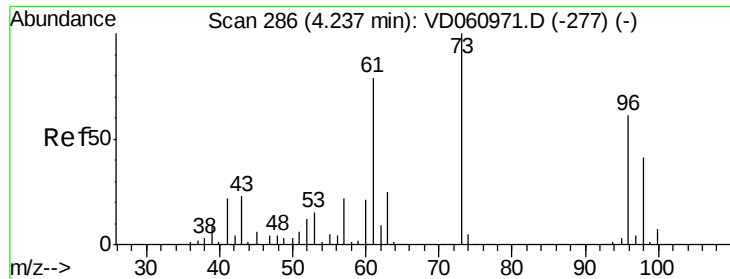
Tot Ion: 76 Resp: 397264
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#18
Methyl Acetate
Concen: 16.724 ug/l
RT: 3.65 min Scan# 226
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Tgt Ion: 43 Resp: 54793
Ion Ratio Lower Upper
43 100
74 21.0 14.6 21.8

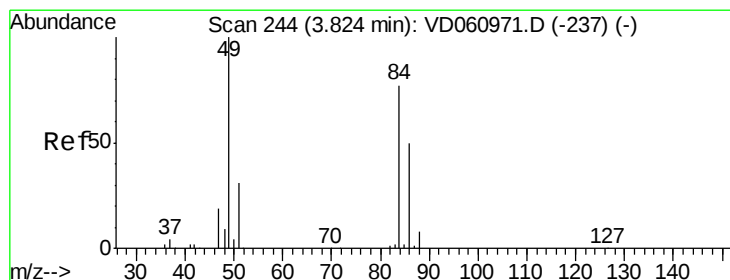
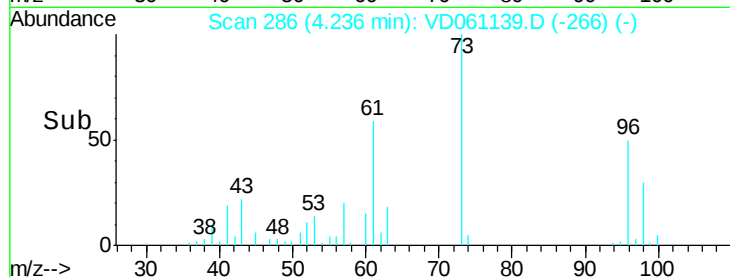
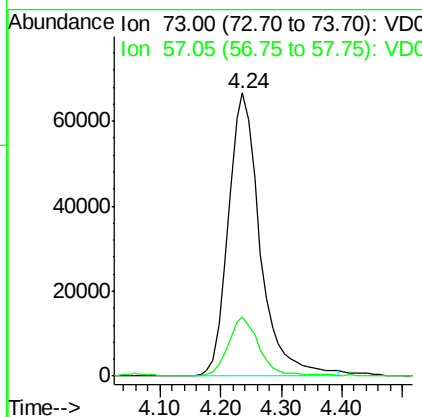
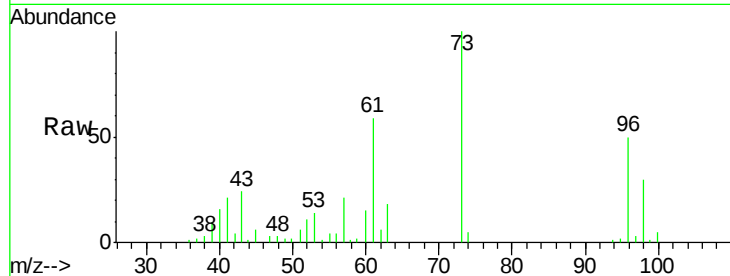




#19
Methvl tert-butvl Ether
Concen: 19.788 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

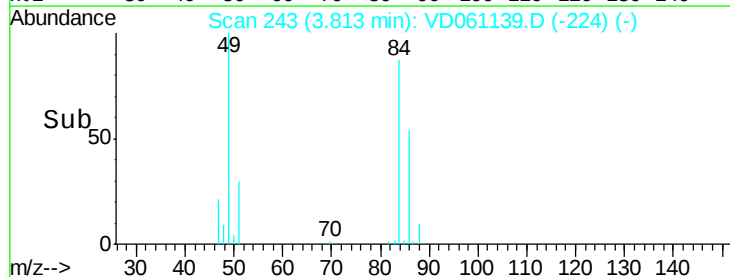
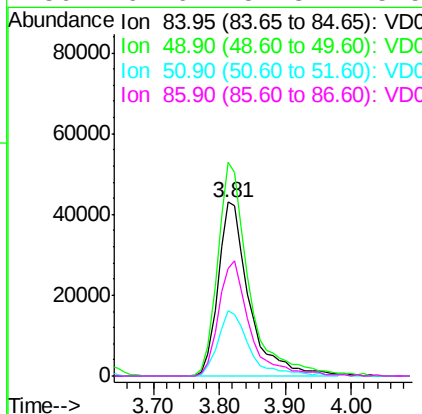
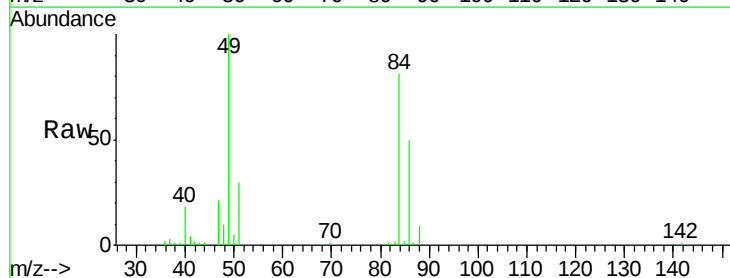
Instrument :
MSVOA_D
ClientSampleId :

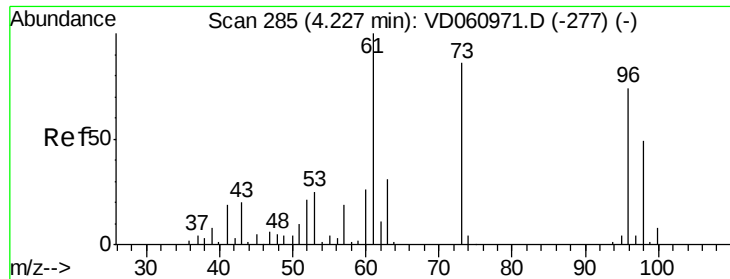
Tot Ion: 73 Resp: 243475
Ion Ratio Lower Upper
73 100
57 21.1 17.7 26.5



#20
Methylene Chloride
Concen: 15.402 ug/l
RT: 3.81 min Scan# 243
Delta R.T. -0.01 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Tgt Ion: 84 Resp: 141410
Ion Ratio Lower Upper
84 100
49 122.8 104.2 156.2
51 37.3 32.3 48.5
86 61.6 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.672 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :

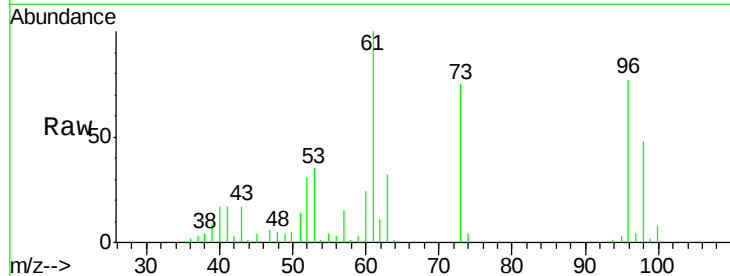
Tot Ion: 96 Resp: 141891

Ion Ratio Lower Upper

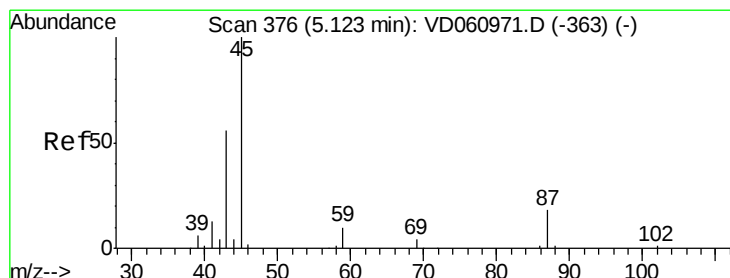
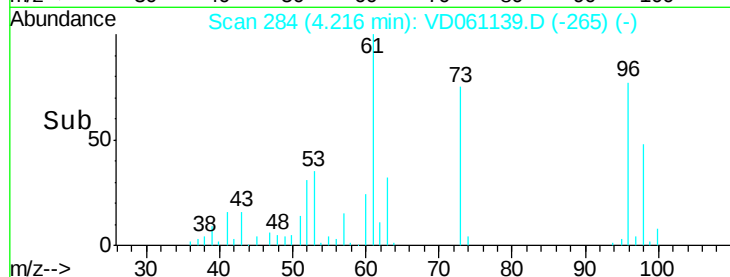
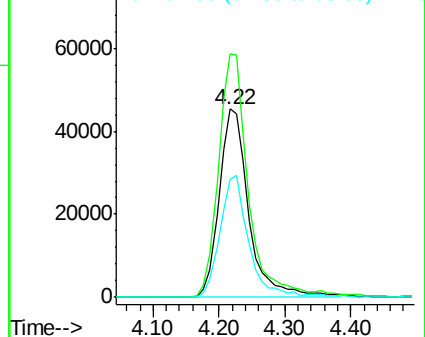
96 100

61 129.5 108.4 162.6

98 62.7 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 18.250 ug/l

RT: 5.12 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Tgt Ion: 45 Resp: 425577

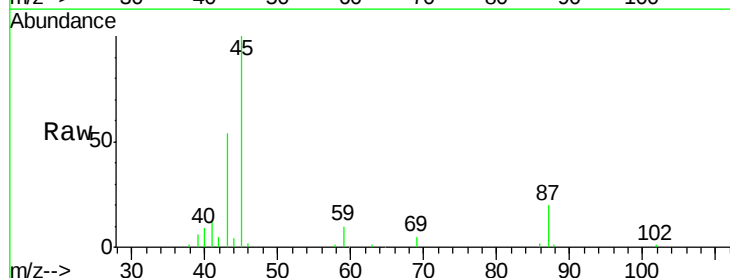
Ion Ratio Lower Upper

45 100

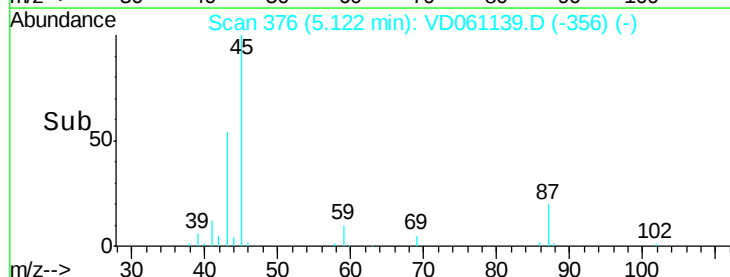
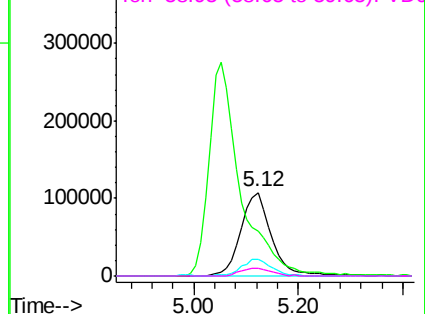
43 53.9 45.8 68.8

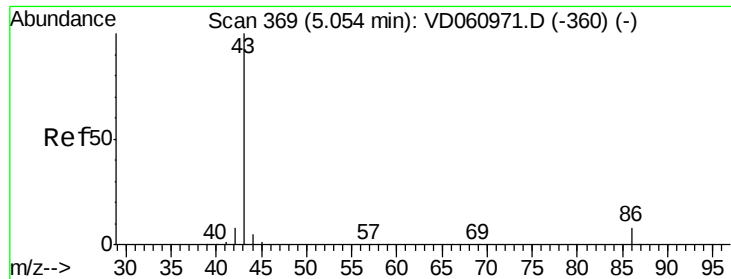
87 19.9 14.9 22.3

59 10.0 8.0 12.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 94.665 ug/l

RT: 5.05 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

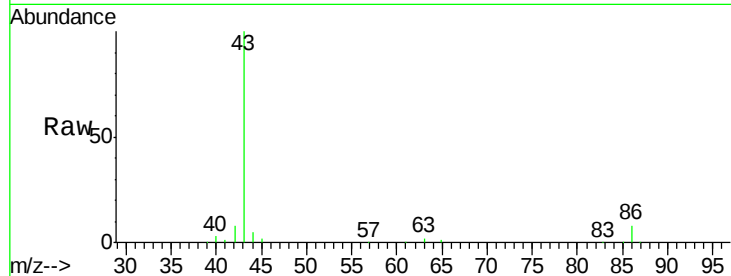
ClientSampled :

Tot Ion: 43 Resp: 1133210

Ion Ratio Lower Upper

43 100

86 7.9 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

300000

250000

200000

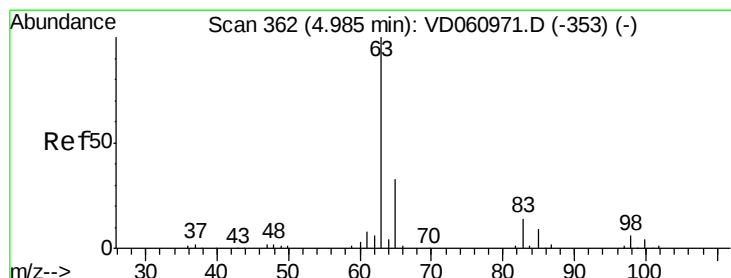
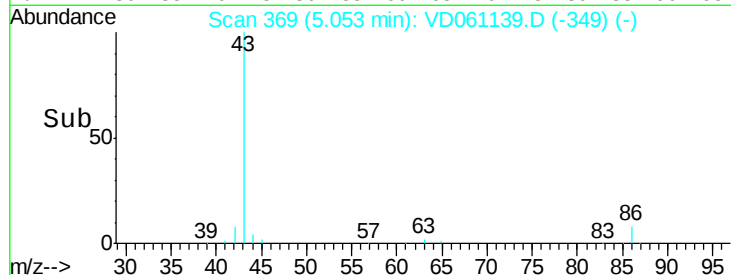
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.642 ug/l

RT: 4.98 min Scan# 362

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

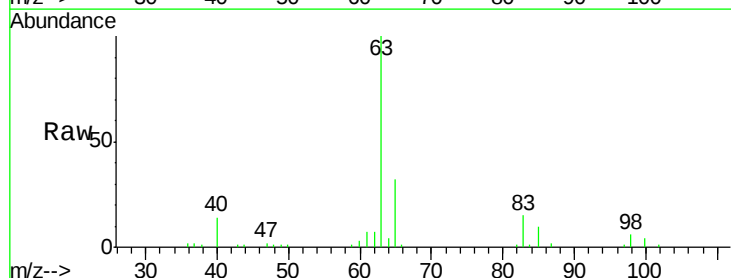
Tgt Ion: 63 Resp: 225410

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

100 3.9 2.0 5.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.98

80000

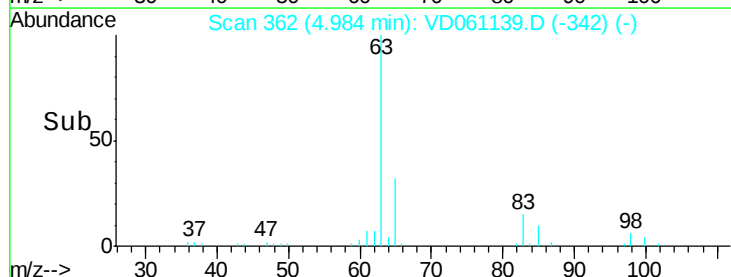
60000

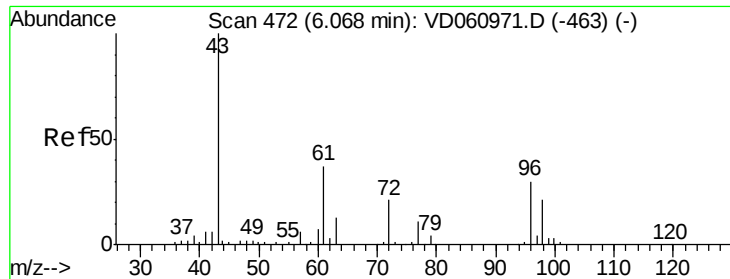
40000

20000

0

Time-->





#25

2-Butanone

Concen: 94.888 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

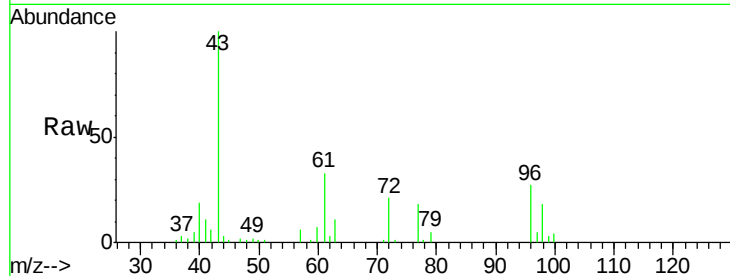
ClientSampleId :

Tot Ion: 43 Resp: 179255

Ion Ratio Lower Upper

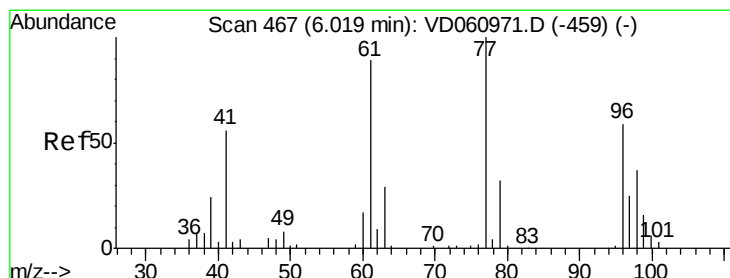
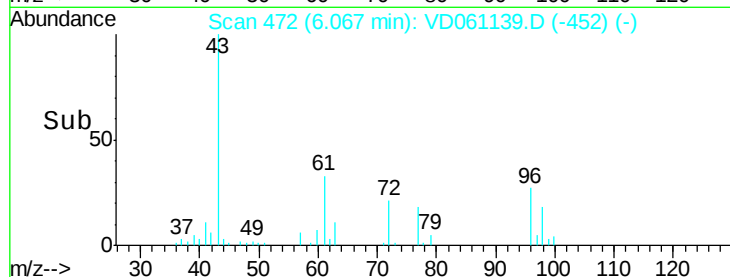
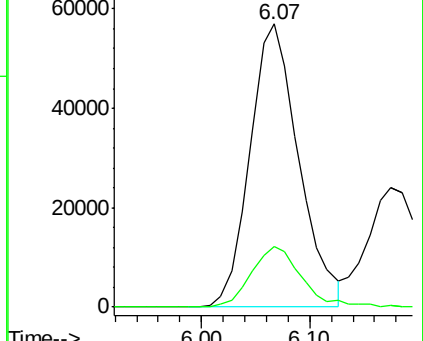
43 100

72 21.5 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.798 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061139.D

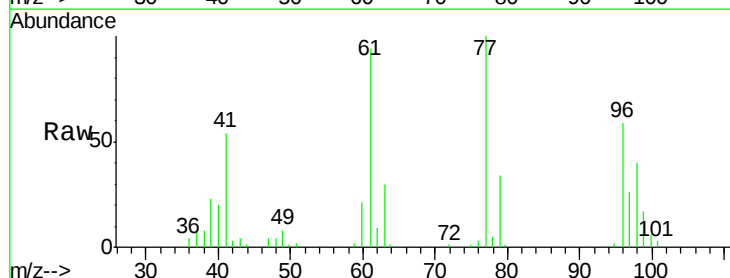
Acq: 18 Mar 2019 12:24

Tgt Ion: 77 Resp: 187495

Ion Ratio Lower Upper

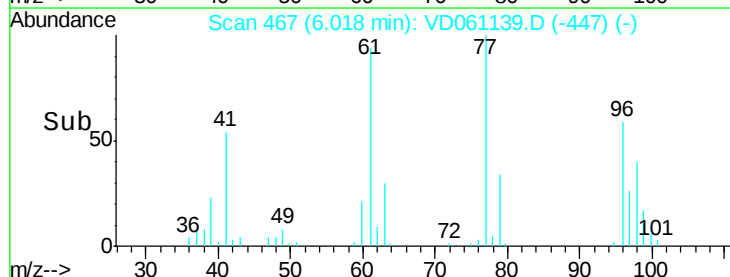
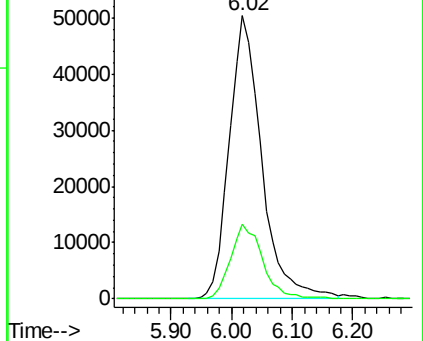
77 100

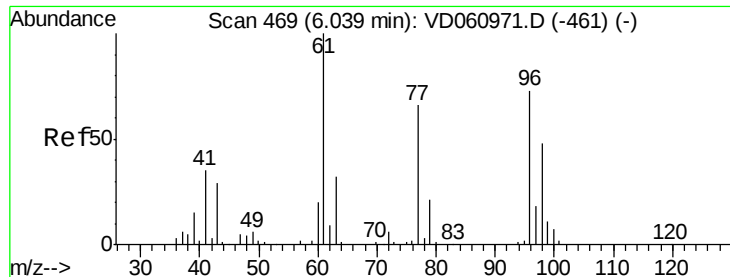
97 26.3 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



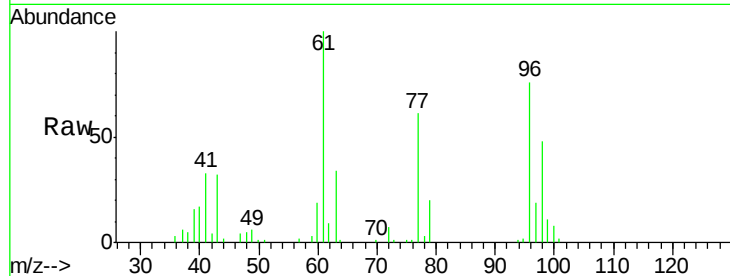


#27

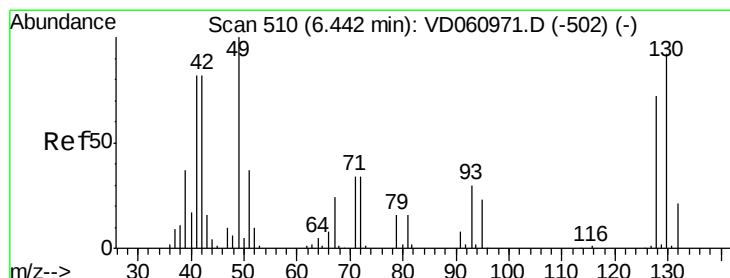
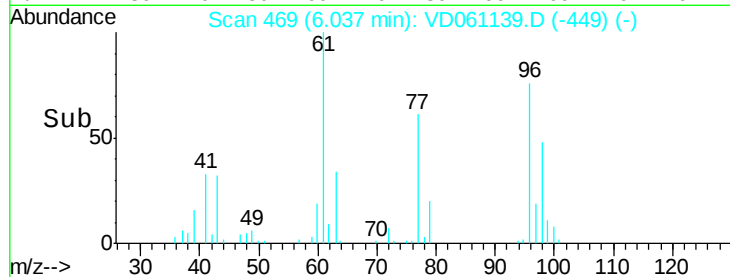
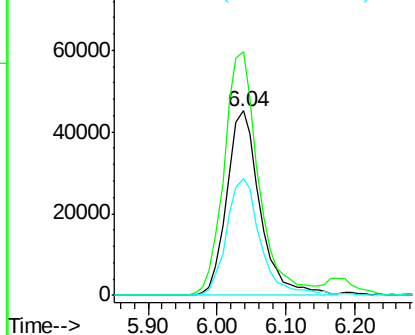
cis-1,2-Dichloroethene
 Concen: 18.752 ug/l
 RT: 6.04 min Scan# 469
 Delta R.T. -0.00 min
 Lab File: VD061139.D
 Acq: 18 Mar 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 151191
 Ion Ratio Lower Upper
 96 100
 61 131.9 0.0 273.6
 98 63.4 0.0 132.6



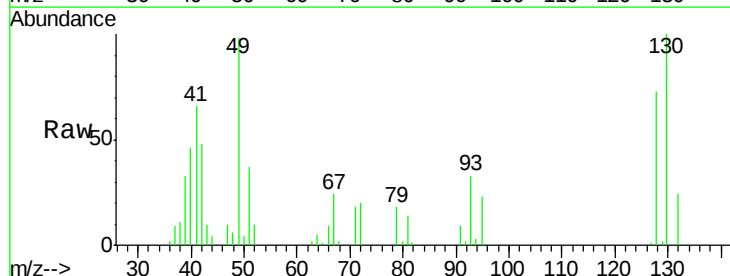
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



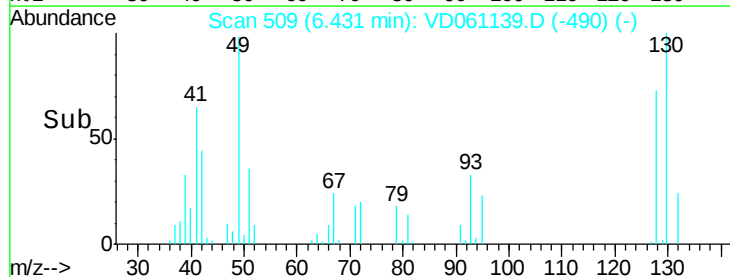
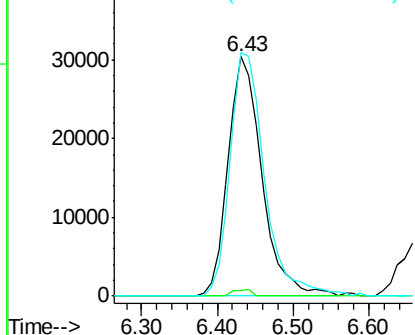
#28

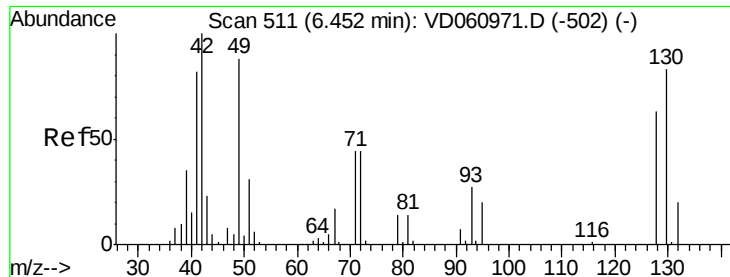
Bromochloromethane
 Concen: 17.431 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD061139.D
 Acq: 18 Mar 2019 12:24

Tgt Ion: 49 Resp: 94282
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.0
 130 101.7 73.8 110.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC

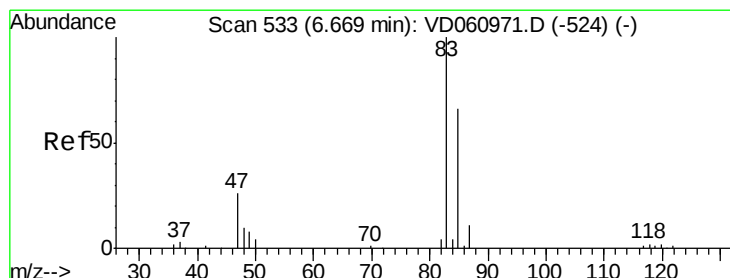
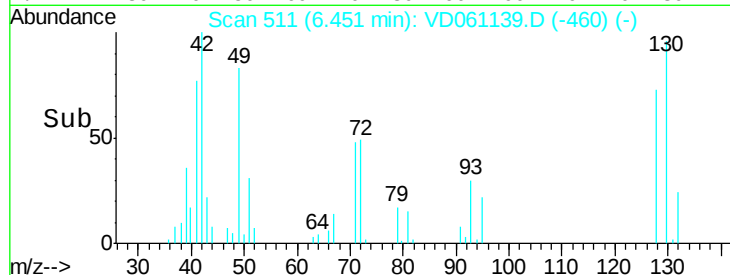
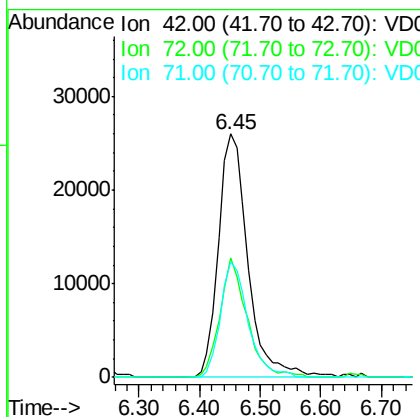
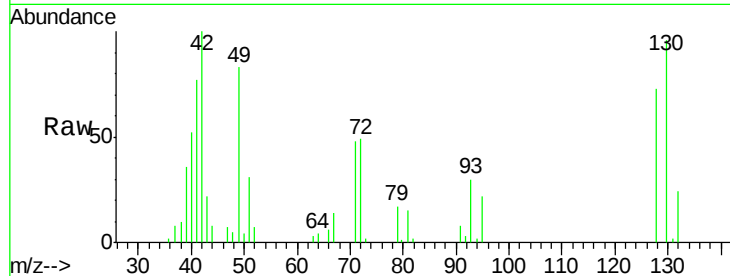




#29
Tetrahydrofuran
Concen: 85.897 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

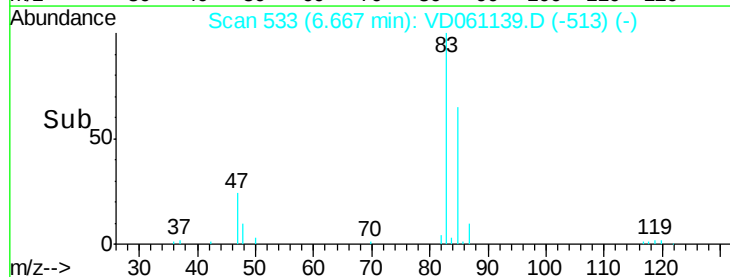
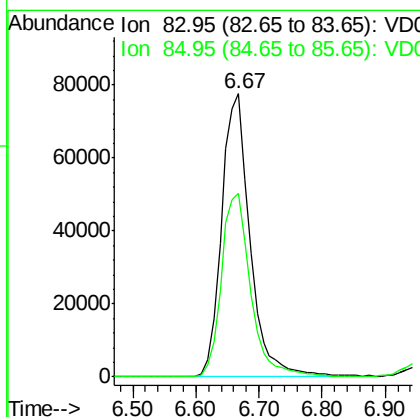
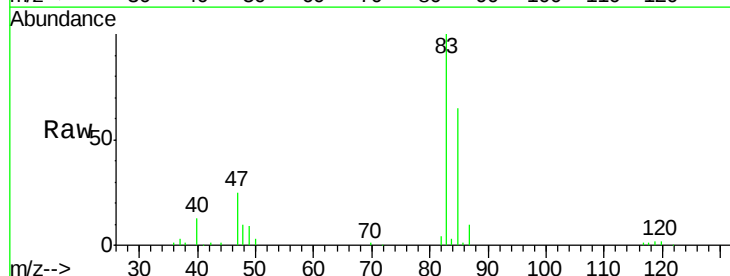
Instrument :
MSVOA_D
ClientSampleId :

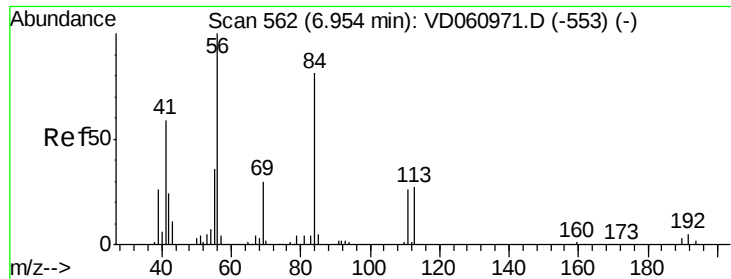
Tot Ion: 42 Resp: 88112
Ion Ratio Lower Upper
42 100
72 45.2 34.5 51.7
71 44.0 33.8 50.6



#30
Chloroform
Concen: 18.341 ug/l
RT: 6.67 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Tgt Ion: 83 Resp: 242869
Ion Ratio Lower Upper
83 100
85 64.8 53.0 79.4

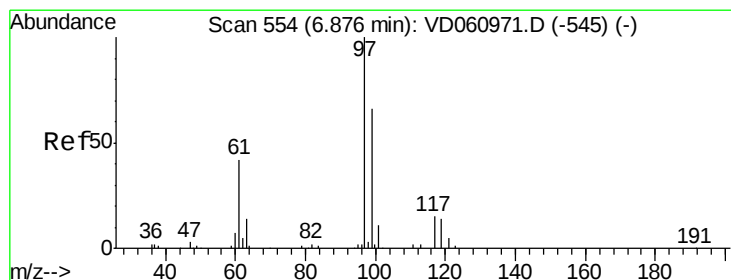
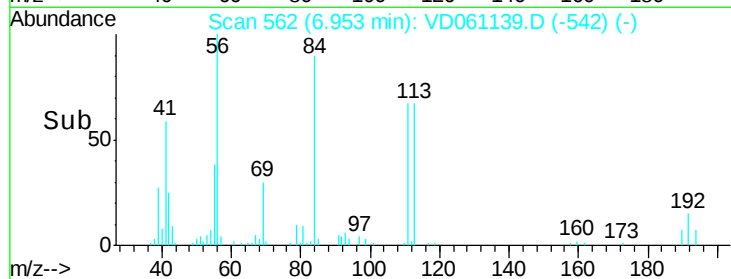
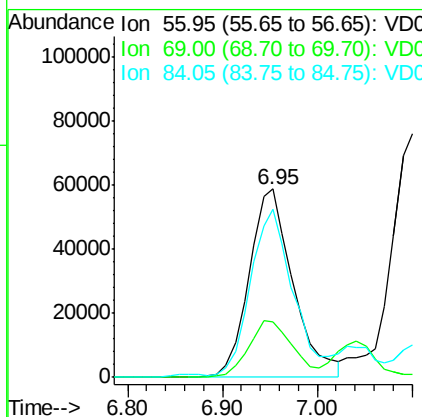
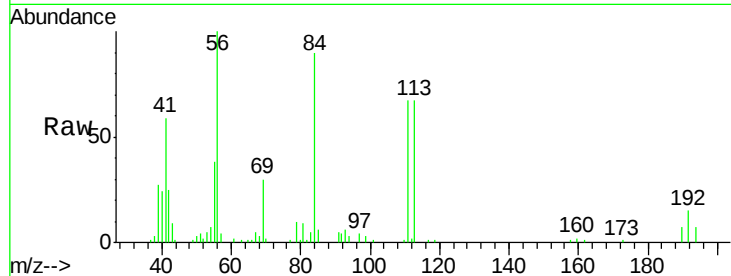




#31
Cyclohexane
Concen: 18.425 ug/l
RT: 6.95 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

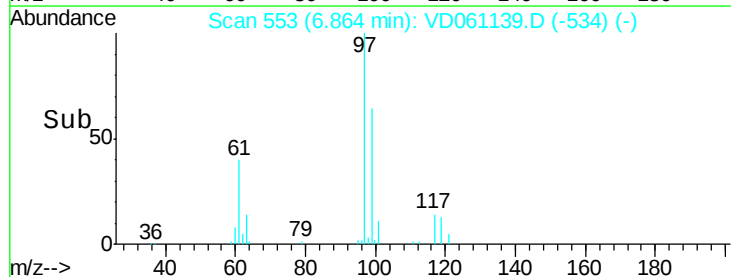
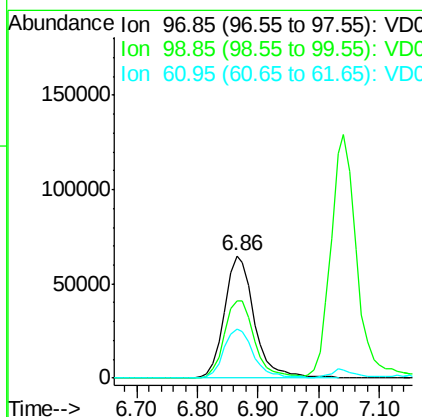
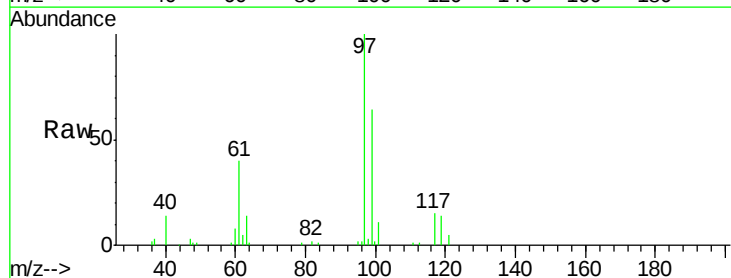
Instrument :
MSVOA_D
ClientSampleId :

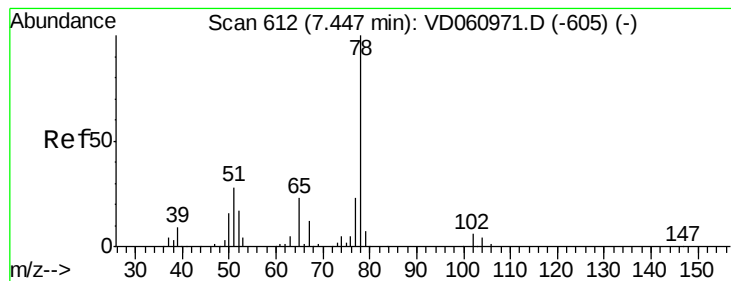
Tot Ion: 56 Resp: 189820
Ion Ratio Lower Upper
56 100
69 29.8 24.0 36.0
84 89.5 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 19.277 ug/l
RT: 6.86 min Scan# 553
Delta R.T. -0.01 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Tgt Ion: 97 Resp: 220691
Ion Ratio Lower Upper
97 100
99 63.6 53.2 79.8
61 39.6 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 19.277 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

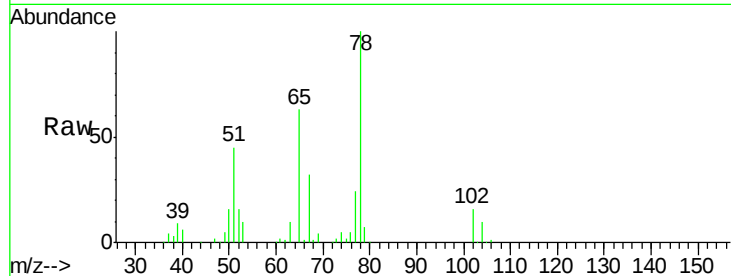
ClientSampled :

Tot Ion: 65 Resp: 275783

Ion Ratio Lower Upper

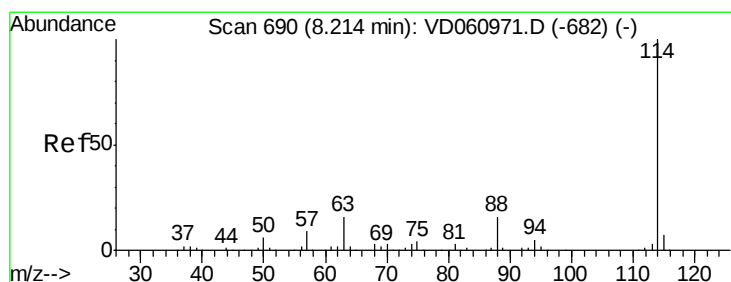
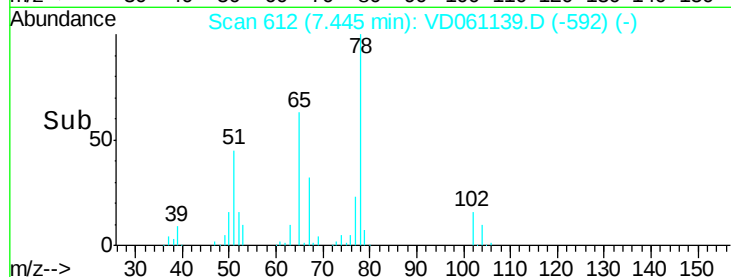
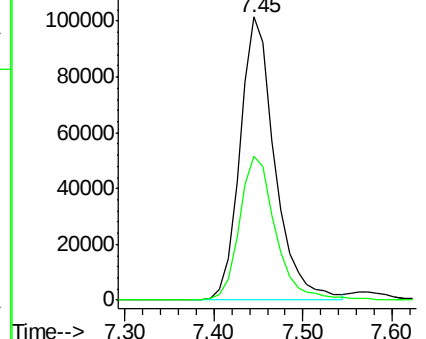
65 100

67 50.7 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

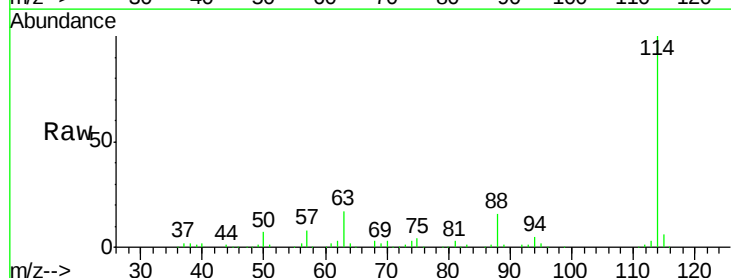
Tgt Ion: 114 Resp: 1101943

Ion Ratio Lower Upper

114 100

63 16.8 0.0 31.4

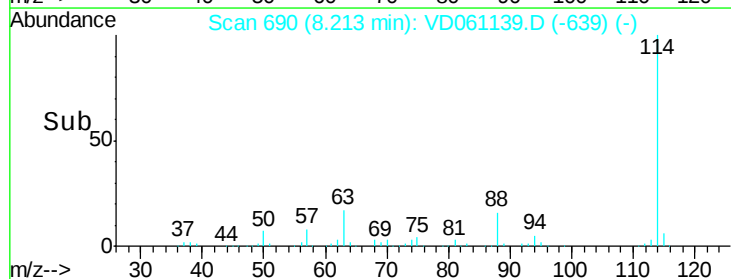
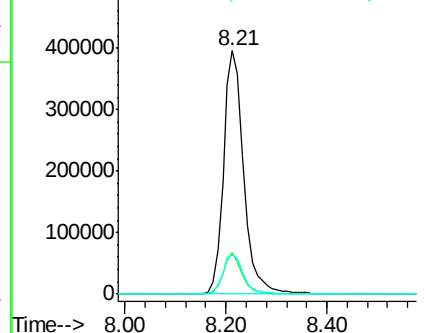
88 16.0 0.0 33.0

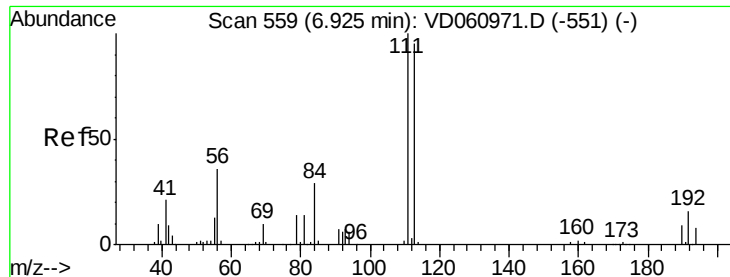


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

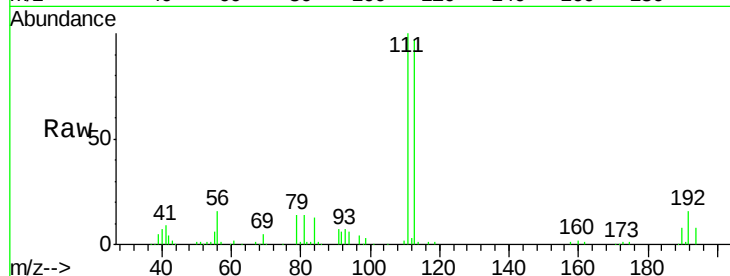
Tot Ion:113 Resp: 439921

Ion	Ratio	Lower	Upper
113	100		
111	103.5	84.2	126.4
192	16.9	13.1	19.7

113 100

111 103.5 84.2 126.4

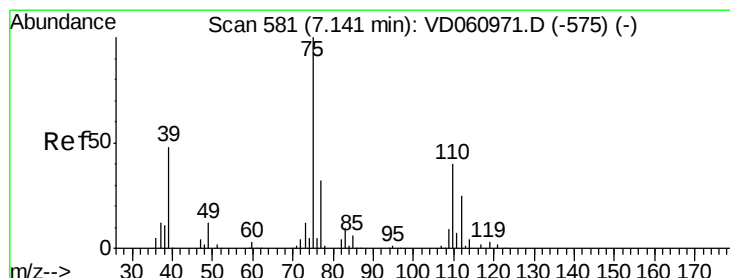
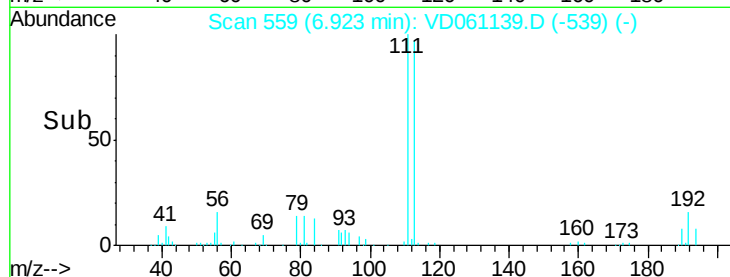
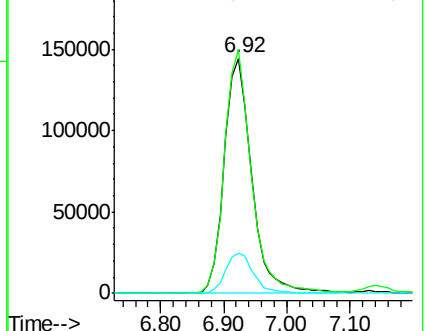
192 16.9 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.443 ug/l

RT: 7.14 min Scan# 581

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

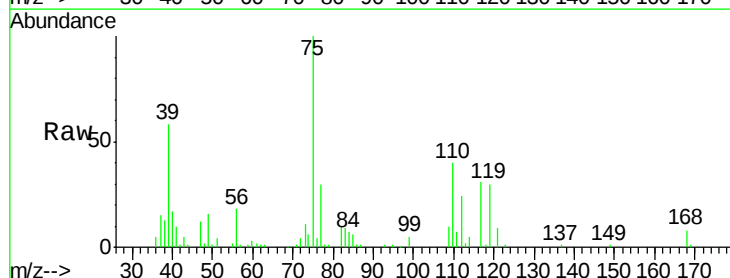
Tgt Ion: 75 Resp: 194181

Ion	Ratio	Lower	Upper
75	100		
110	40.0	19.7	59.1
77	29.7	24.7	37.1

75 100

110 40.0 19.7 59.1

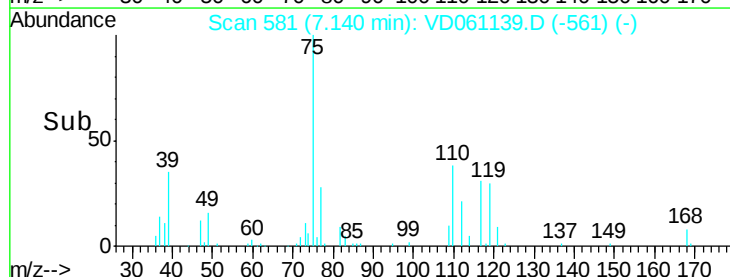
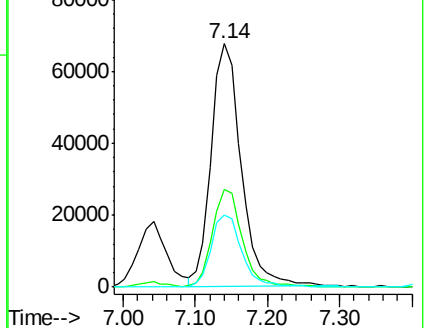
77 29.7 24.7 37.1

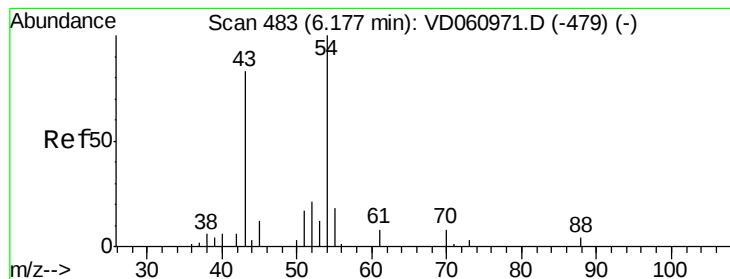


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 18.855 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :

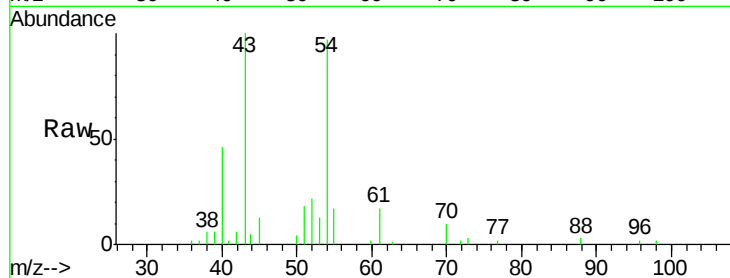
Tot Ion: 43 Resp: 84042

Ion Ratio Lower Upper

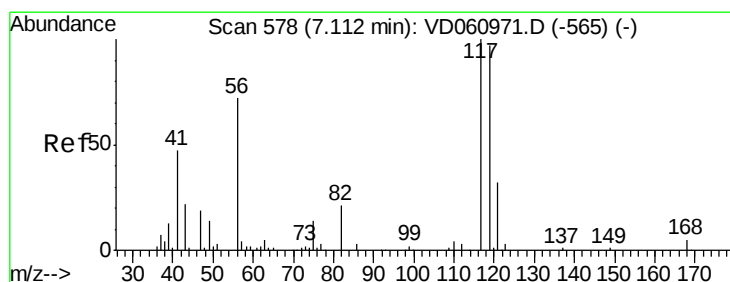
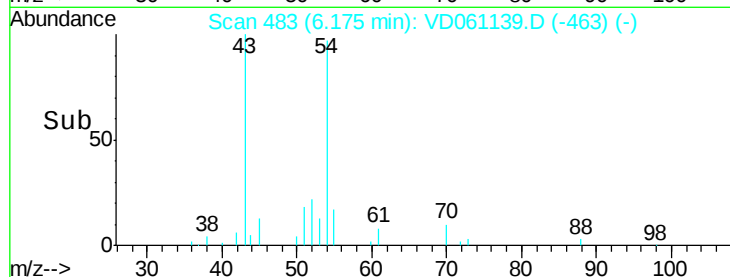
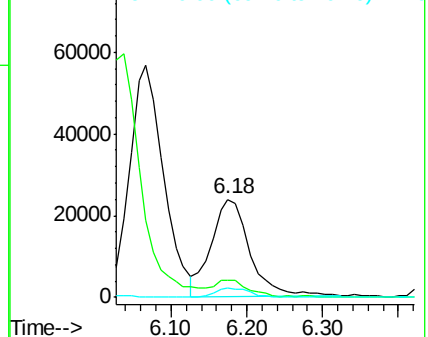
43 100

61 16.9 13.7 20.5

70 9.7 7.1 10.7



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 20.708 ug/l

RT: 7.11 min Scan# 578

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

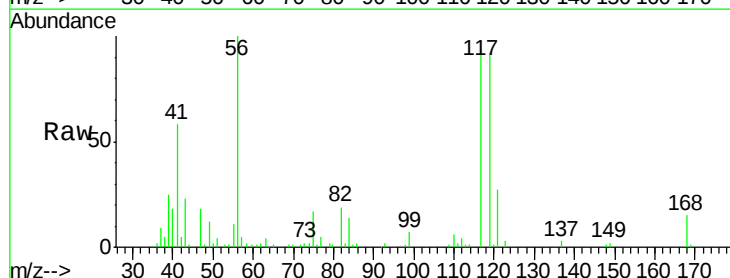
Tgt Ion: 117 Resp: 216665

Ion Ratio Lower Upper

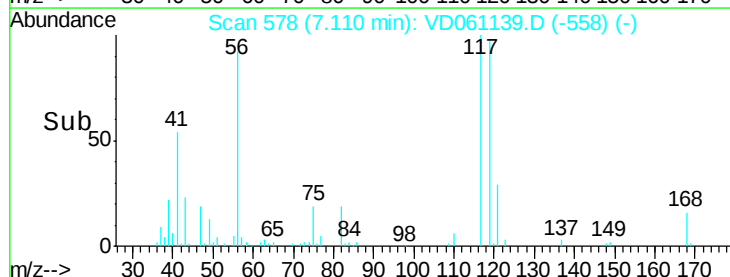
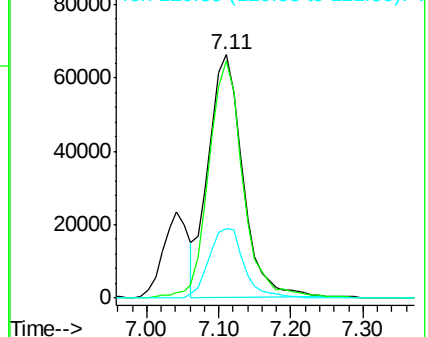
117 100

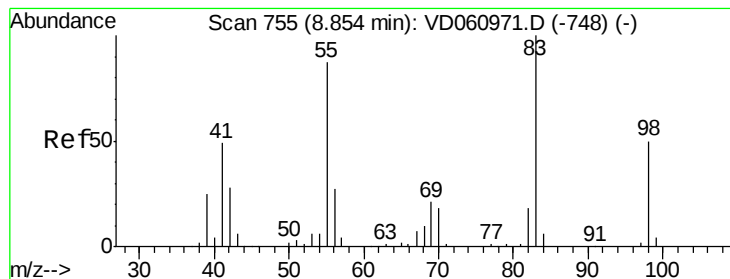
119 97.3 77.8 116.8

121 28.8 25.3 37.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methvlcvclohexane

Concen: 20.006 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

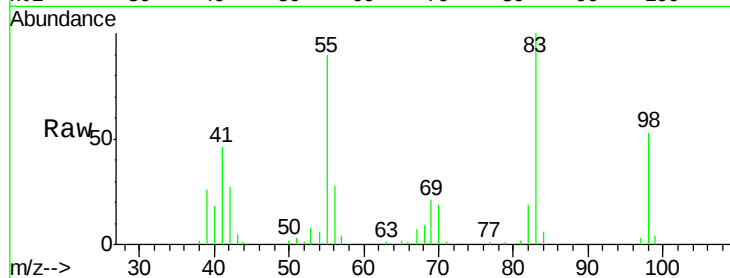
Tot Ion: 83 Resp: 197042

Ion Ratio Lower Upper

83 100

55 90.0 69.6 104.4

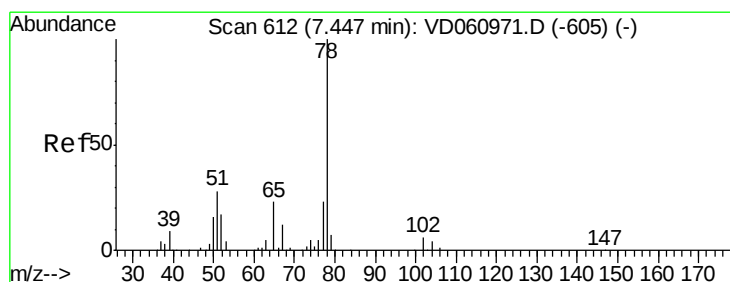
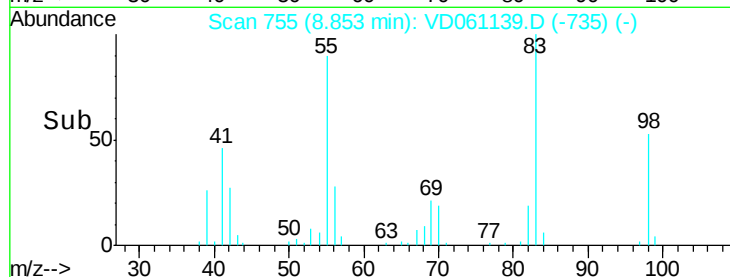
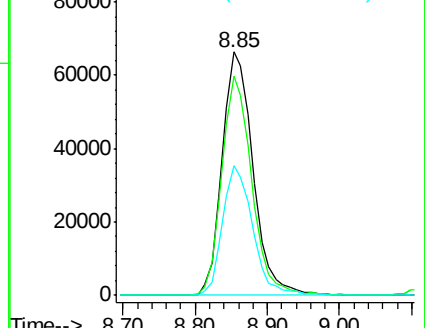
98 53.5 40.0 60.0



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 19.596 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.01 min

Lab File: VD061139.D

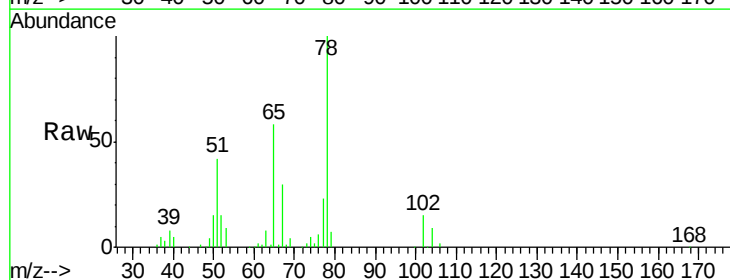
Acq: 18 Mar 2019 12:24

Tgt Ion: 78 Resp: 465097

Ion Ratio Lower Upper

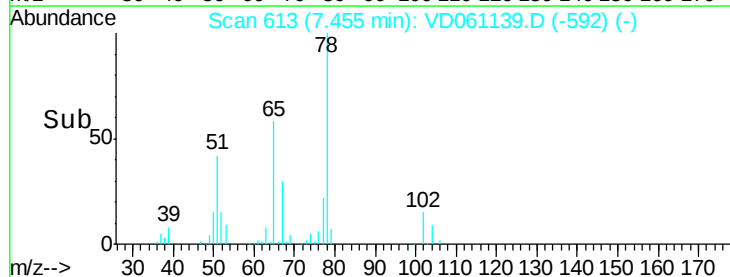
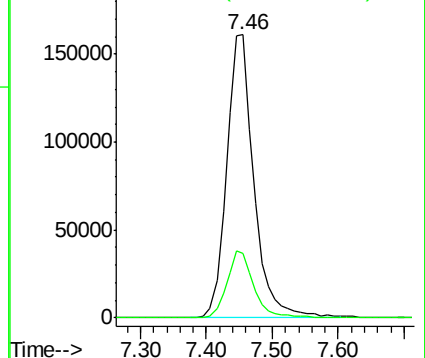
78 100

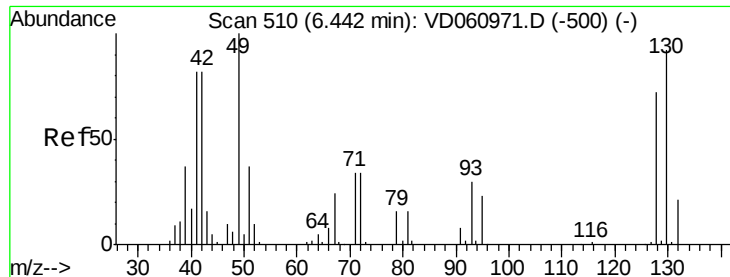
77 22.6 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 18.740 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 96077

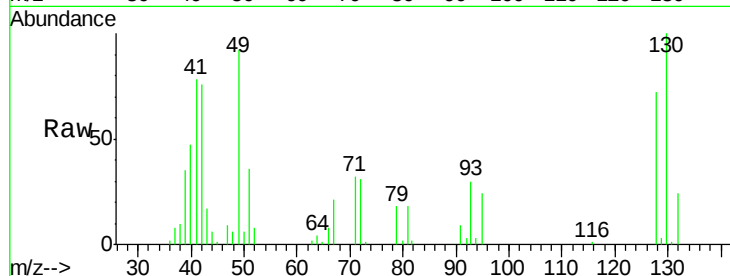
Ion Ratio Lower Upper

41 100

39 45.7 35.7 53.5

67 26.8 23.0 34.6

52 10.9 9.2 13.8

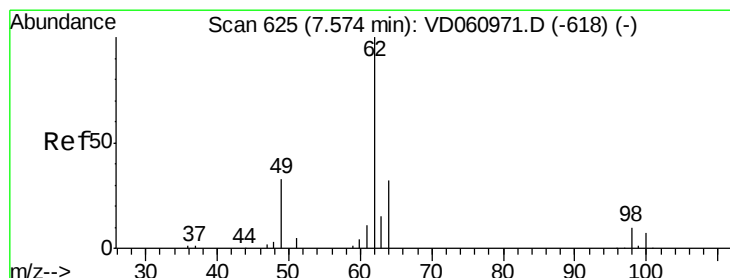
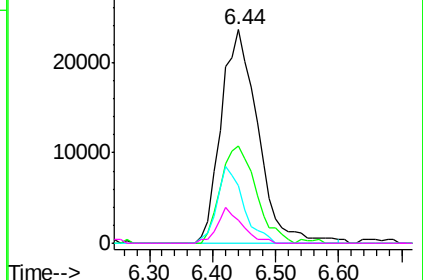
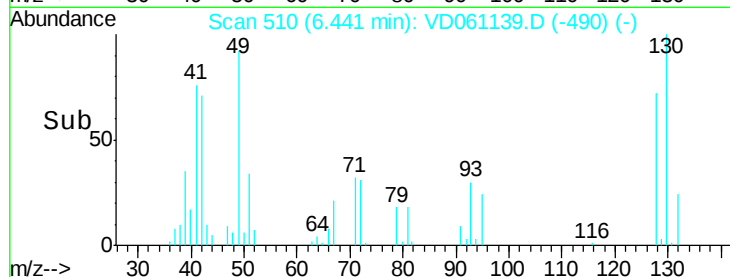


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.853 ug/l

RT: 7.57 min Scan# 625

Delta R.T. -0.00 min

Lab File: VD061139.D

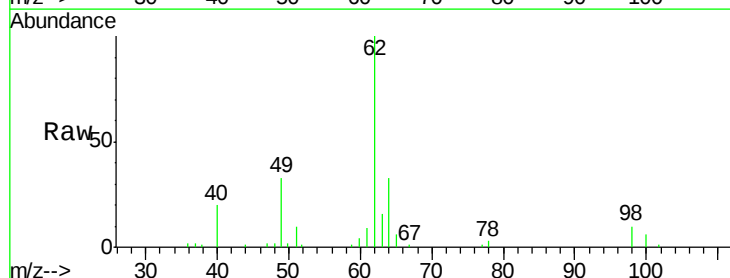
Acq: 18 Mar 2019 12:24

Tgt Ion: 62 Resp: 143630

Ion Ratio Lower Upper

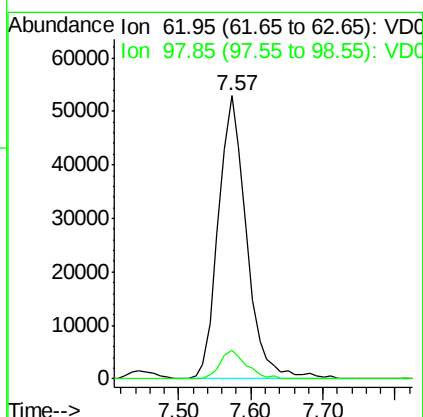
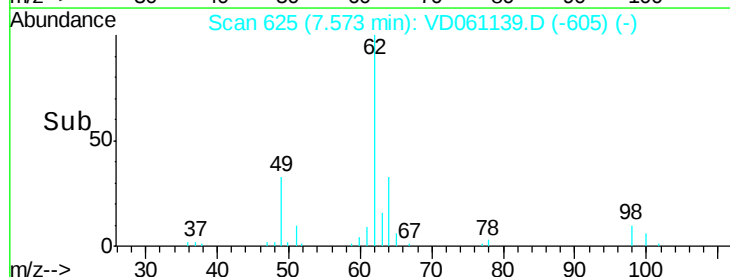
62 100

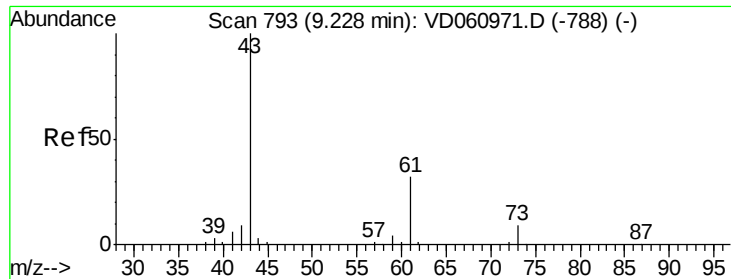
98 10.0 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



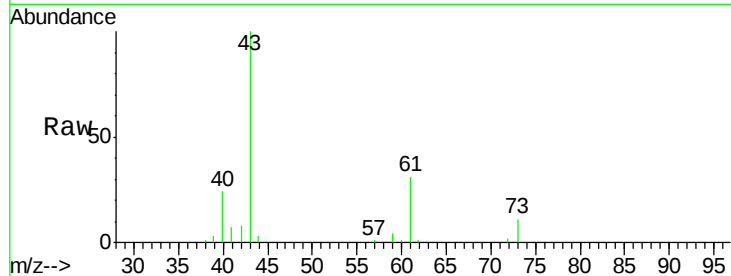


#43

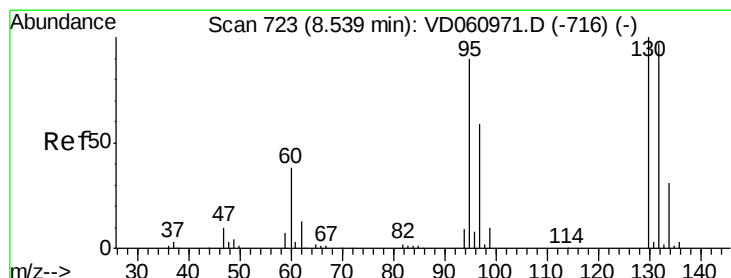
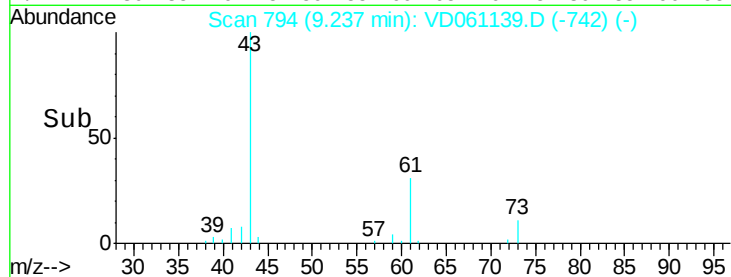
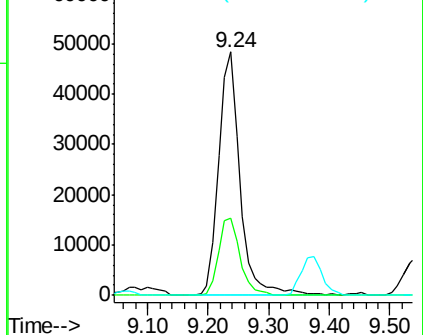
Isopropyl Acetate
 Concen: 19.249 ug/l
 RT: 9.24 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VD061139.D
 Acq: 18 Mar 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 118835
 Ion Ratio Lower Upper
 43 100
 61 31.5 25.6 38.4
 87 0.0 0.2 0.4#



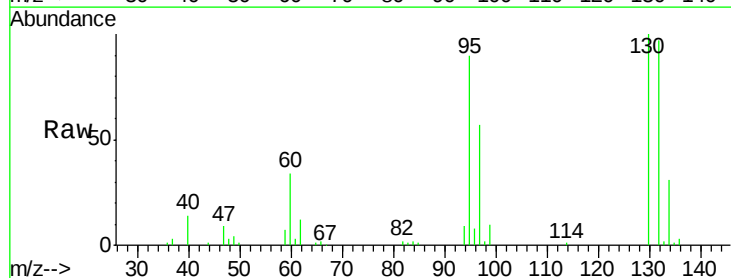
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



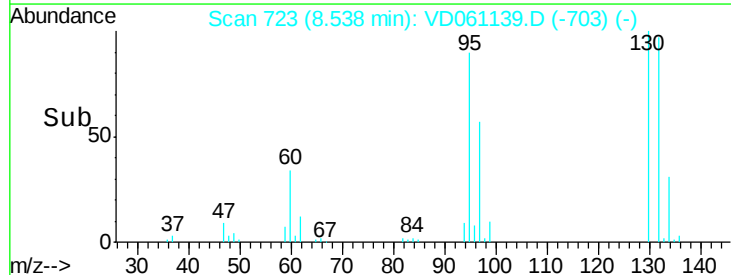
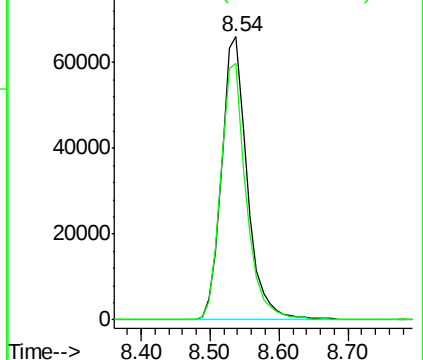
#44

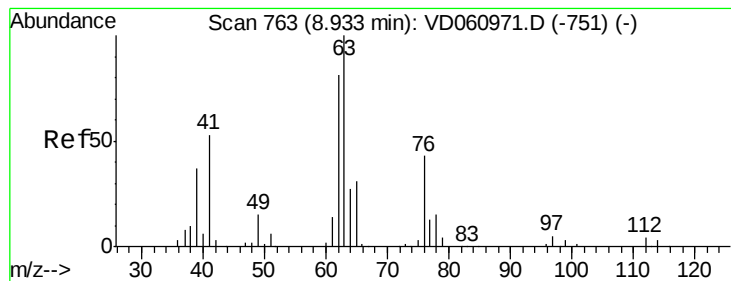
Trichloroethene
 Concen: 20.794 ug/l
 RT: 8.54 min Scan# 723
 Delta R.T. -0.00 min
 Lab File: VD061139.D
 Acq: 18 Mar 2019 12:24

Tgt Ion:130 Resp: 170265
 Ion Ratio Lower Upper
 130 100
 95 90.4 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.394 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

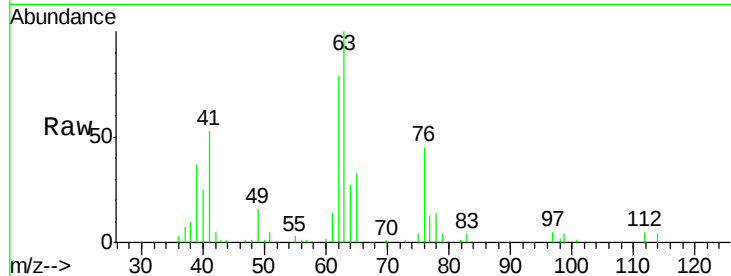
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 63 Resp: 127169

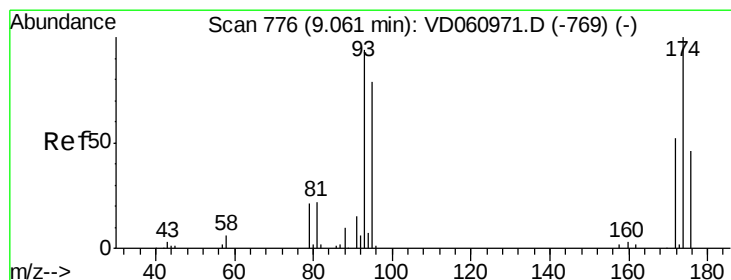
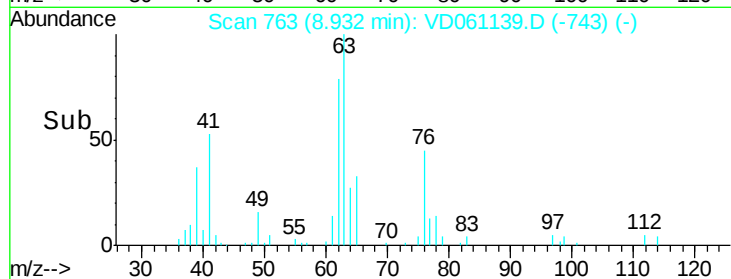
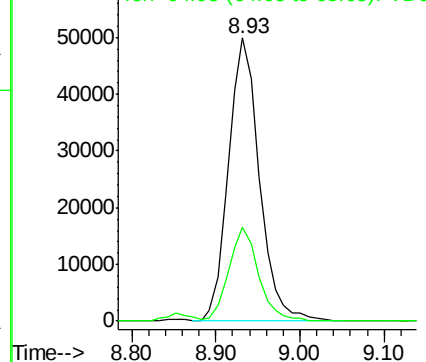
Ion Ratio Lower Upper

63 100

65 33.3 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.788 ug/l

RT: 9.06 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

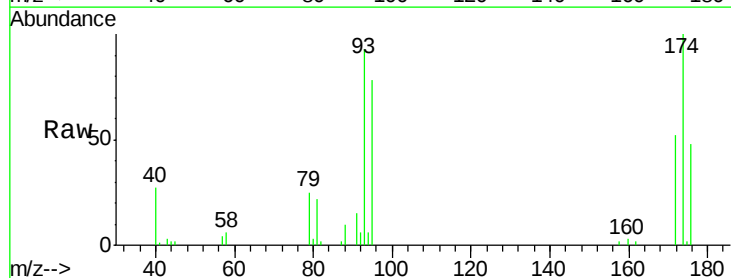
Tgt Ion: 93 Resp: 78268

Ion Ratio Lower Upper

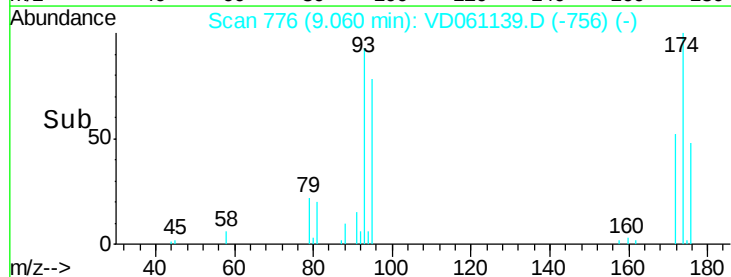
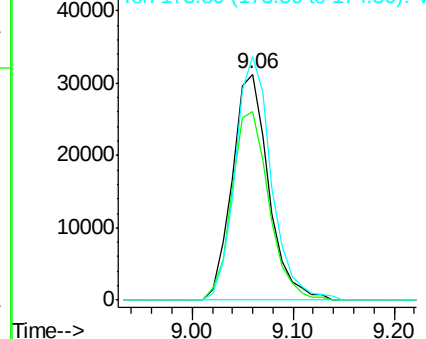
93 100

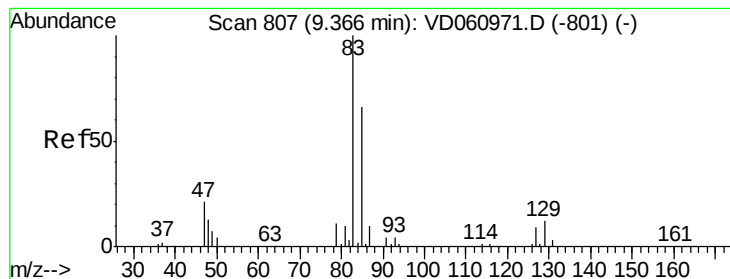
95 83.7 67.4 101.0

174 107.8 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.207 ug/l

RT: 9.36 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

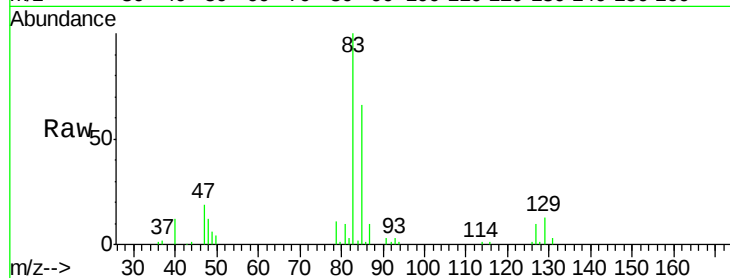
Tot Ion: 83 Resp: 180361

Ion Ratio Lower Upper

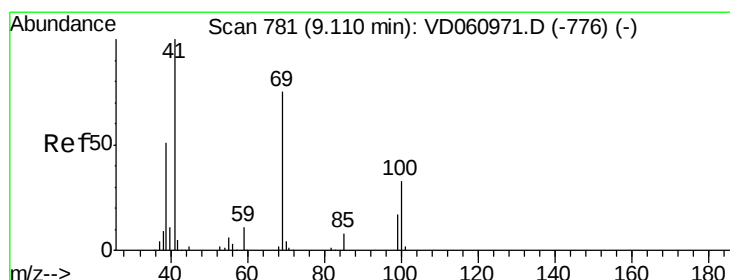
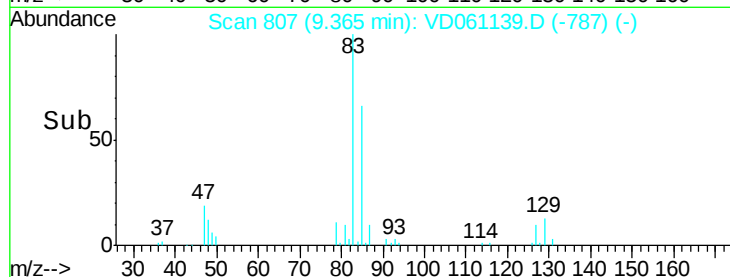
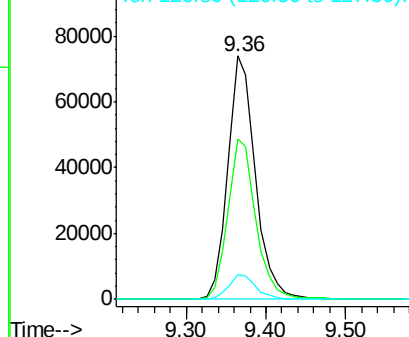
83 100

85 66.0 52.5 78.7

127 10.1 7.5 11.3



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.545 ug/l

RT: 9.12 min Scan# 782

Delta R.T. 0.01 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

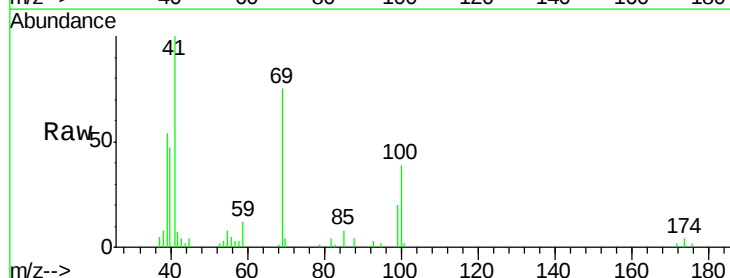
Tgt Ion: 41 Resp: 67938

Ion Ratio Lower Upper

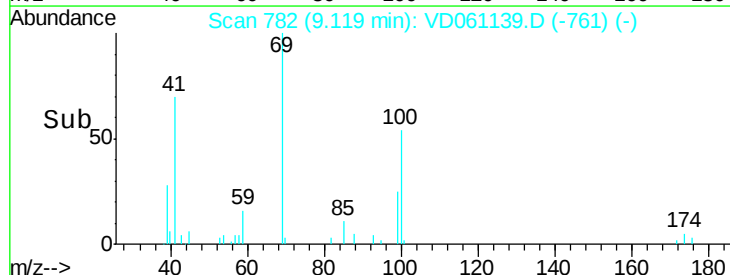
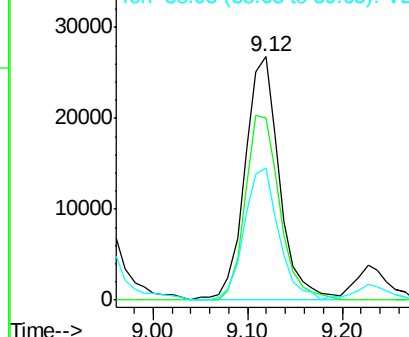
41 100

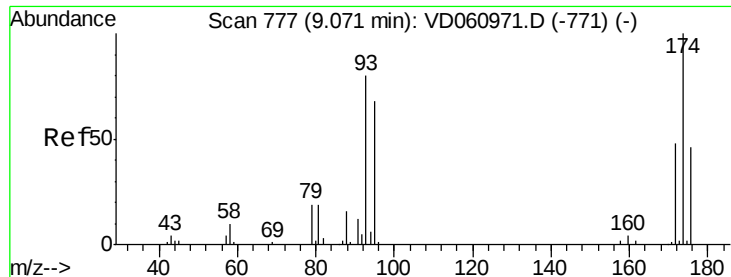
69 74.7 59.9 89.9

39 54.2 40.9 61.3



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 412.453 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

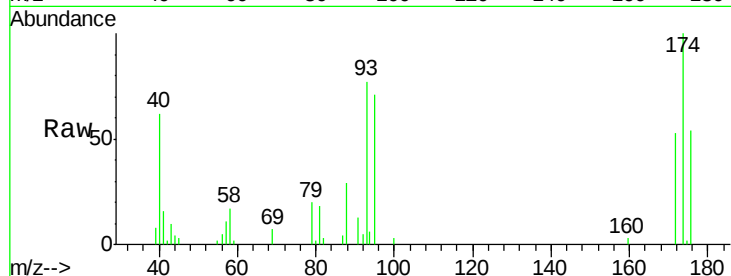
Tot Ion: 88 Resp: 14497

Ion Ratio Lower Upper

88 100

43 34.3 21.0 31.6#

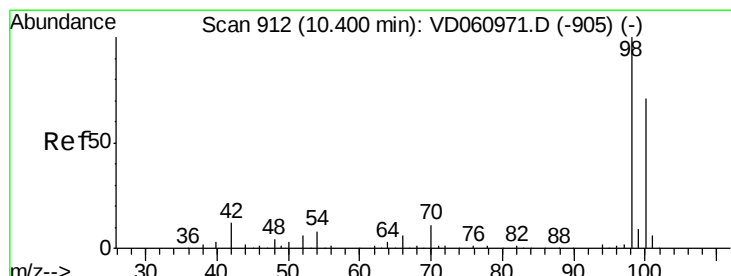
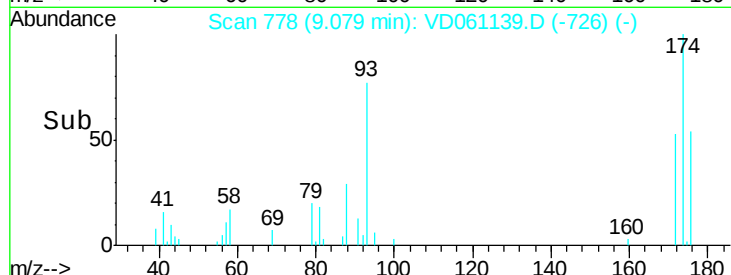
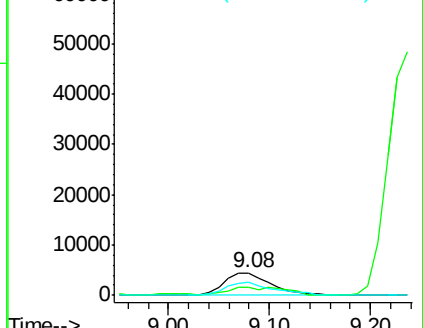
58 57.8 48.6 72.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 412.453 ug/l

RT: 10.40 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD061139.D

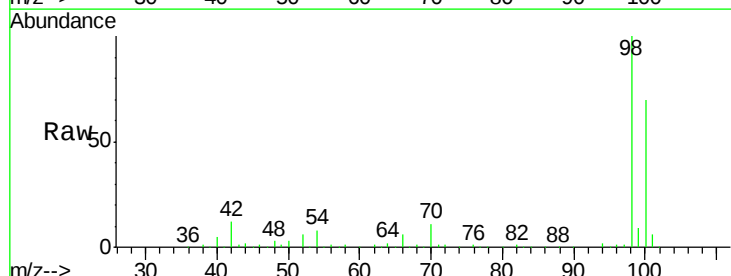
Acq: 18 Mar 2019 12:24

Tgt Ion: 98 Resp: 1071684

Ion Ratio Lower Upper

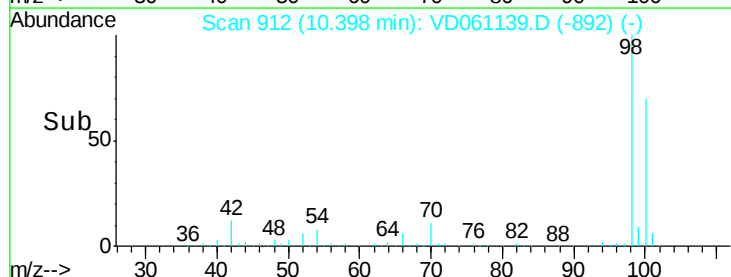
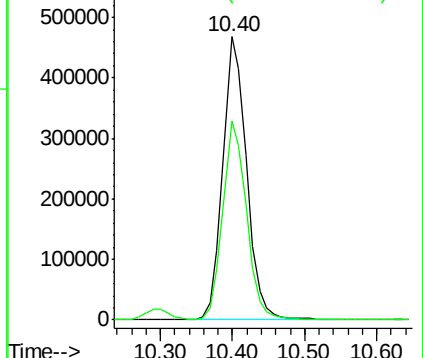
98 100

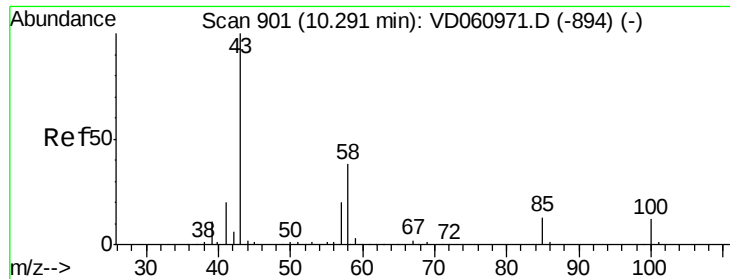
100 70.1 57.4 86.2



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 91.992 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

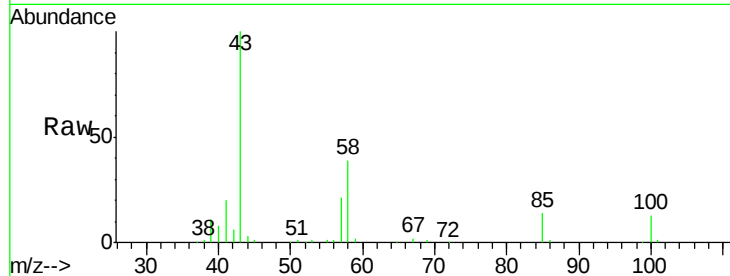
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 347924

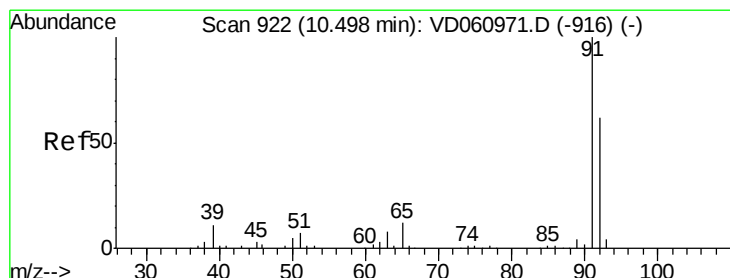
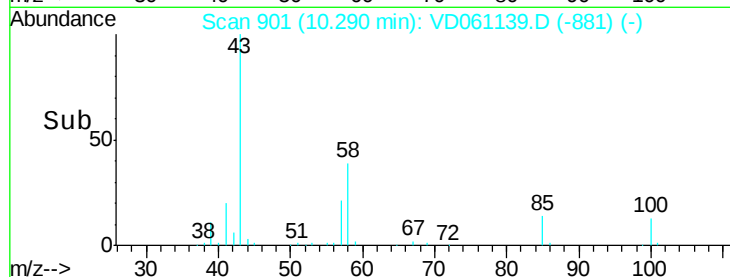
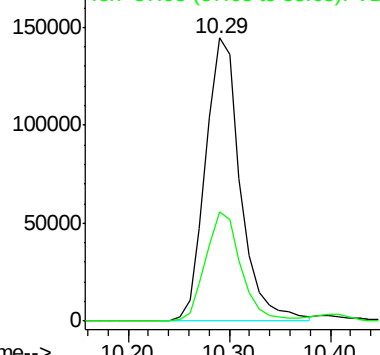
Ion Ratio Lower Upper

43 100

58 38.6 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.449 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061139.D

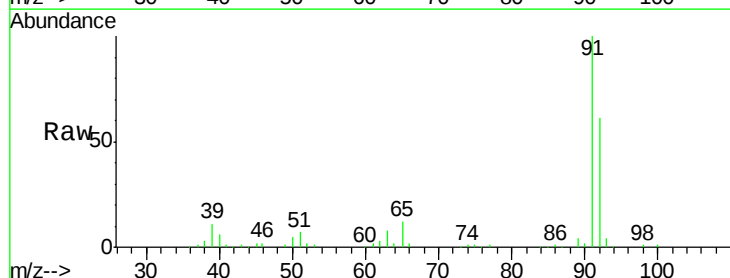
Acq: 18 Mar 2019 12:24

Tgt Ion: 92 Resp: 287056

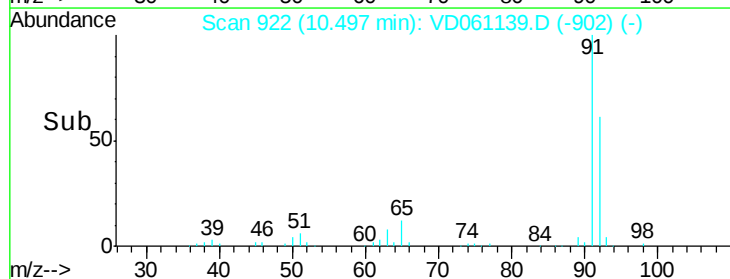
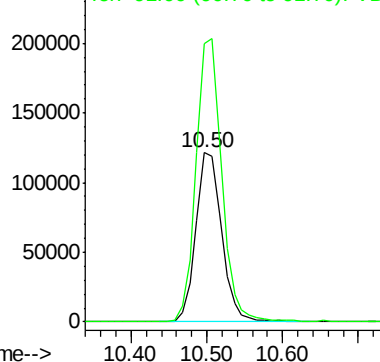
Ion Ratio Lower Upper

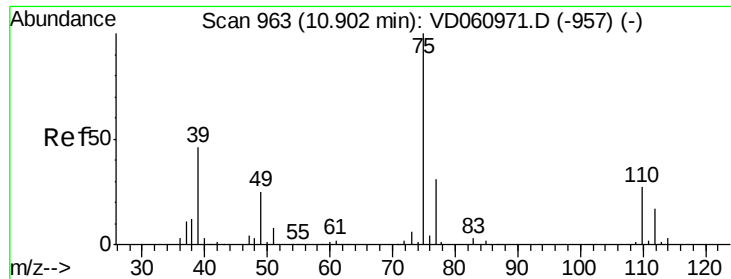
92 100

91 164.8 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.566 ug/l

RT: 10.91 min Scan# 964

Delta R.T. 0.01 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

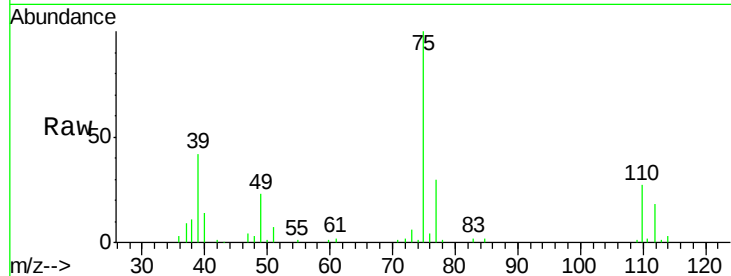
ClientSampleId :

Tot Ion: 75 Resp: 159687

Ion Ratio Lower Upper

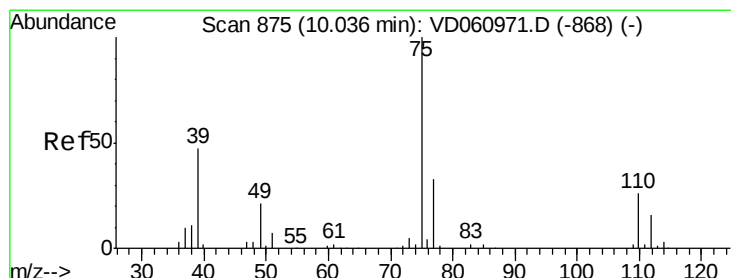
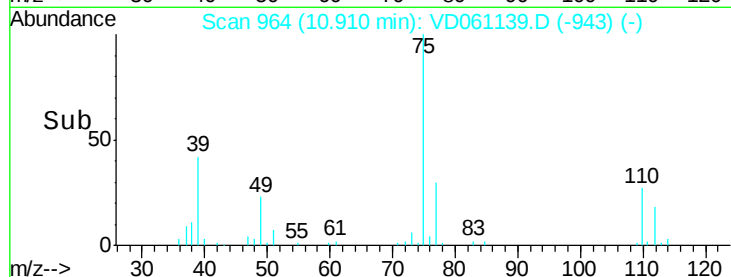
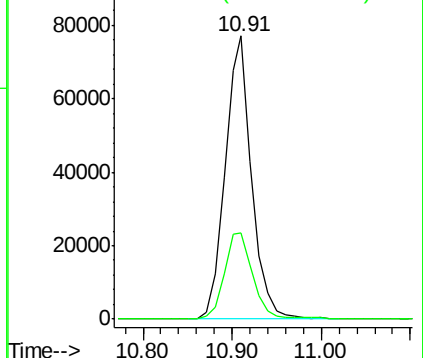
75 100

77 30.4 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 20.464 ug/l

RT: 10.03 min Scan# 875

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

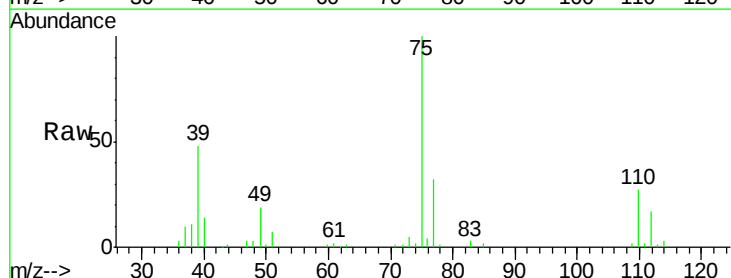
Tgt Ion: 75 Resp: 200676

Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.4

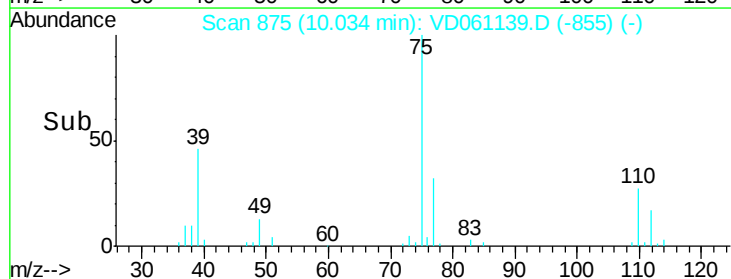
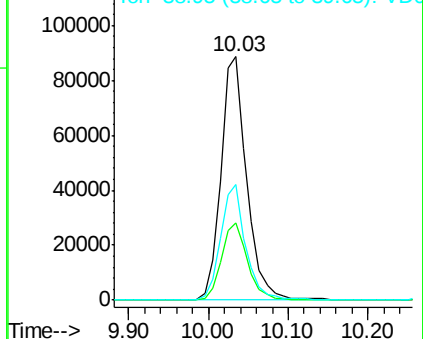
39 47.7 37.8 56.8

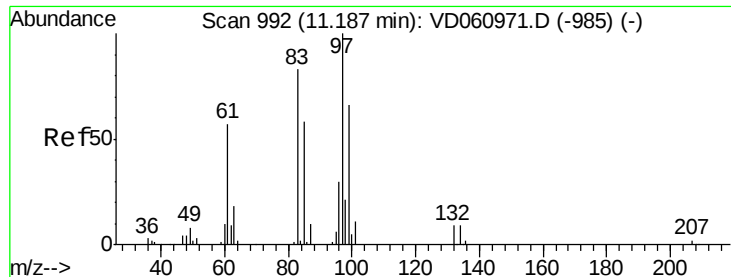


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 20.258 ug/l

RT: 11.19 min Scan# 992

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 99569

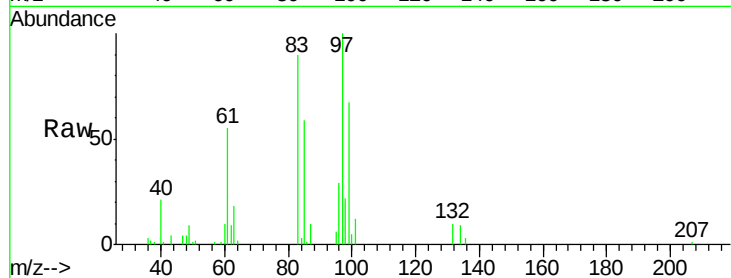
Ion Ratio Lower Upper

97 100

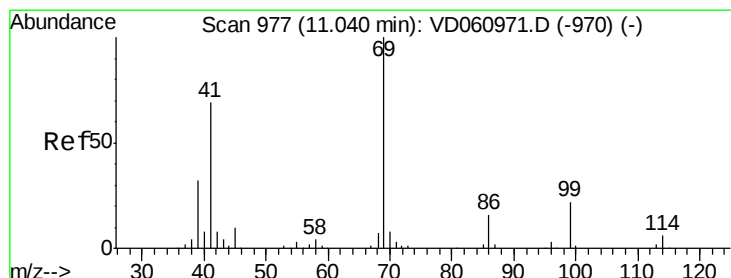
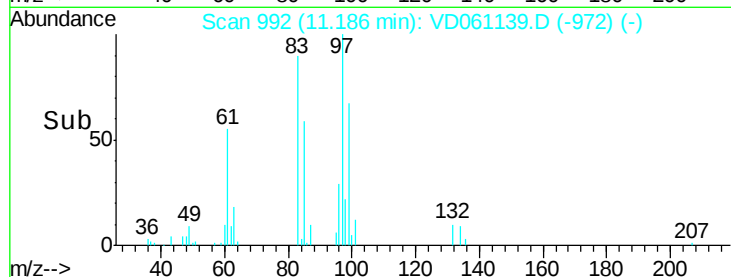
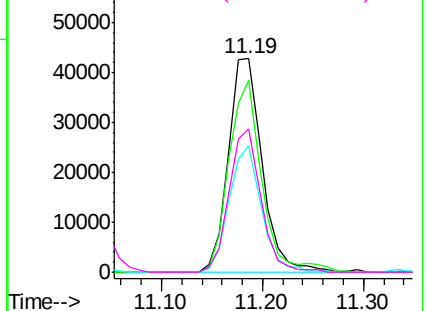
83 89.8 66.6 100.0

85 59.4 46.4 69.6

99 67.4 52.4 78.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.326 ug/l

RT: 11.04 min Scan# 977

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

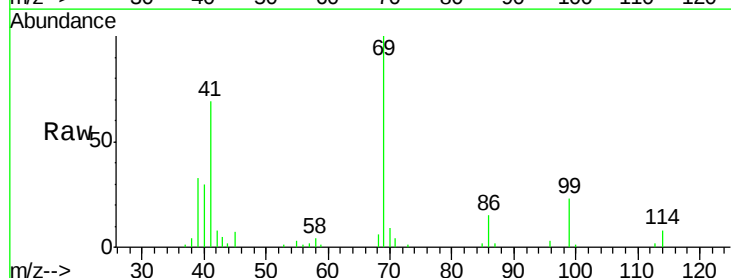
Tgt Ion: 69 Resp: 104572

Ion Ratio Lower Upper

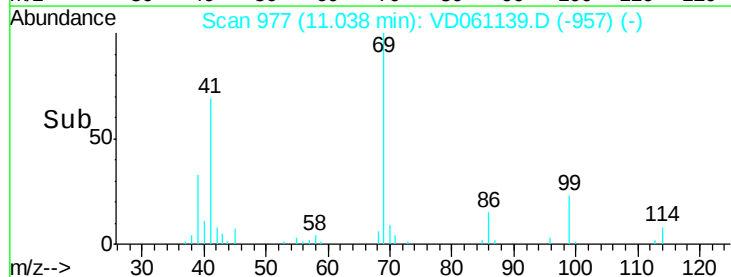
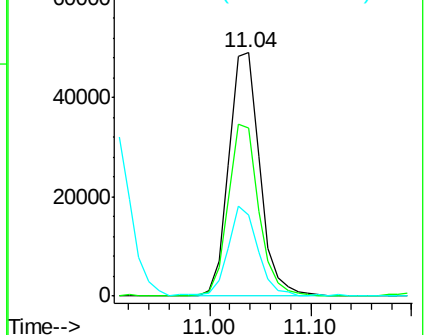
69 100

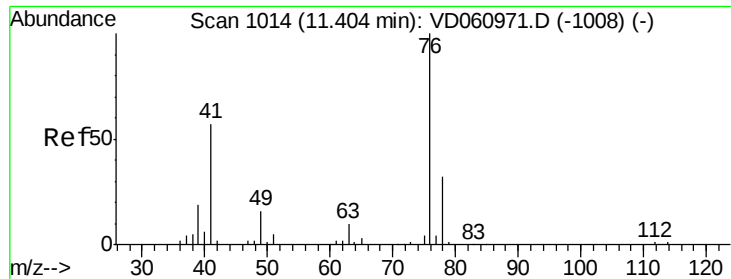
41 69.0 55.5 83.3

39 33.5 26.2 39.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 20.788 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

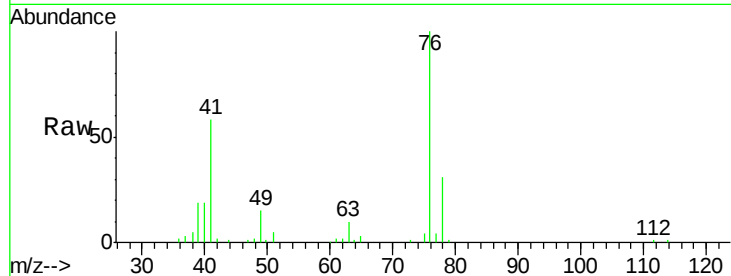
ClientSampleId :

Tot Ion: 76 Resp: 152692

Ion Ratio Lower Upper

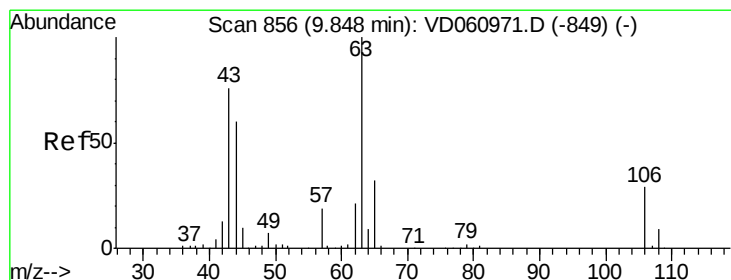
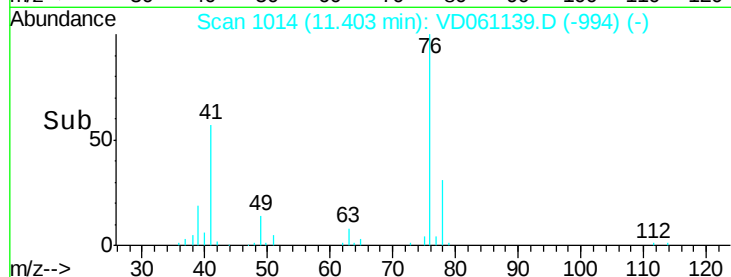
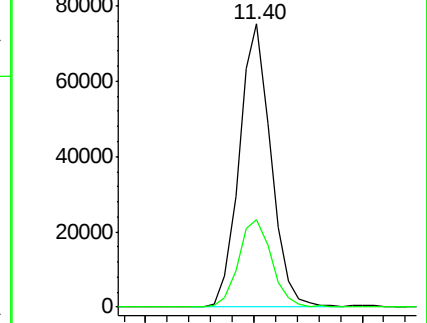
76 100

78 31.1 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 99.722 ug/l

RT: 9.86 min Scan# 857

Delta R.T. 0.01 min

Lab File: VD061139.D

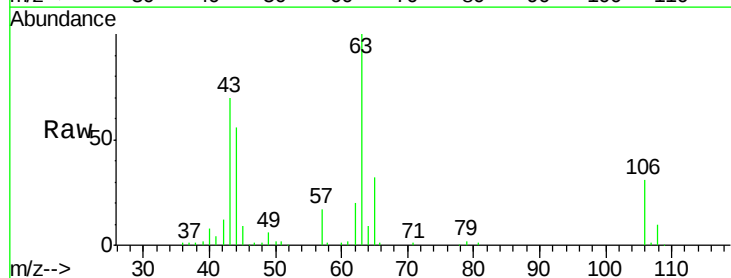
Acq: 18 Mar 2019 12:24

Tgt Ion: 63 Resp: 271563

Ion Ratio Lower Upper

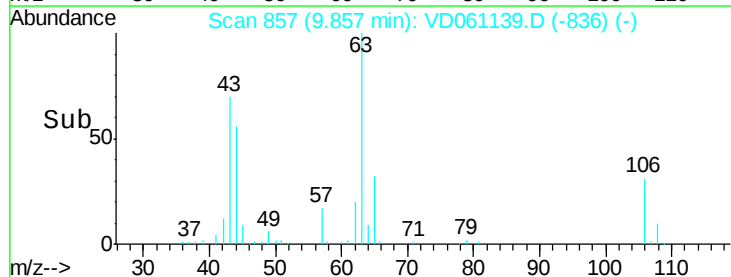
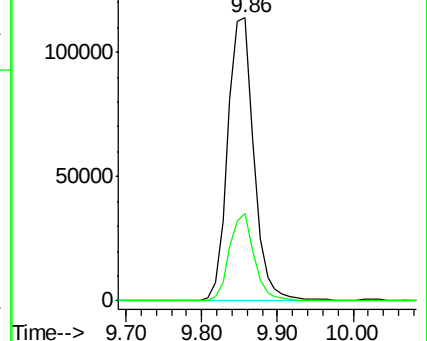
63 100

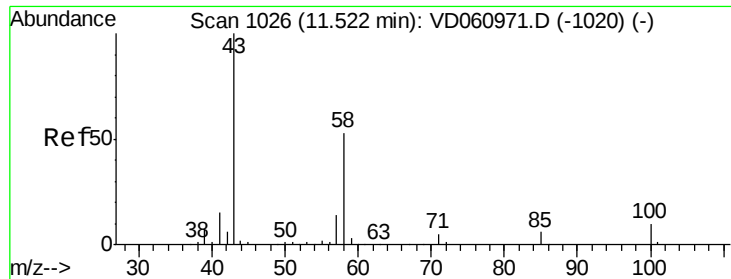
106 31.0 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

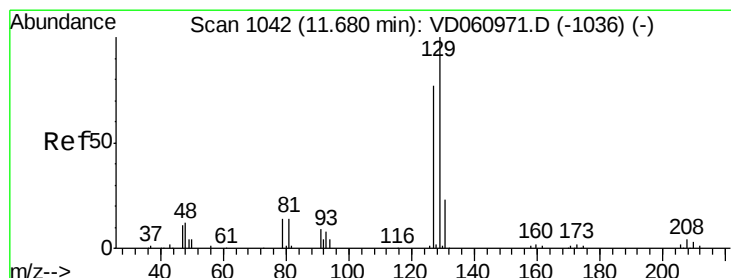
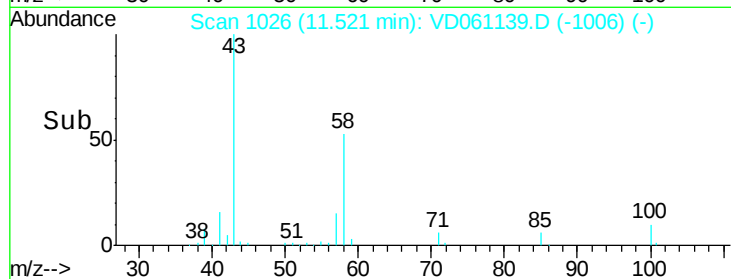
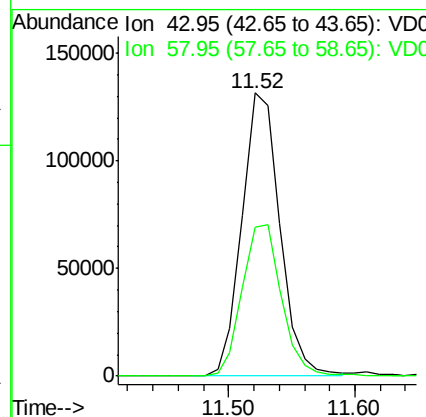
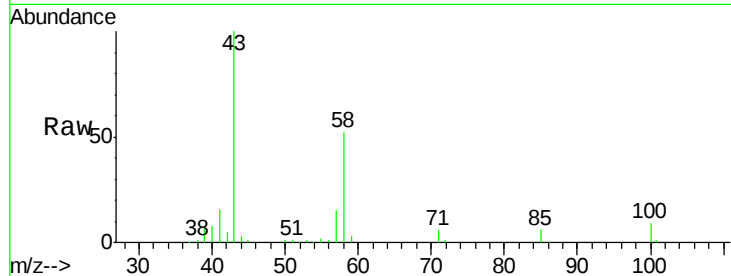




#59
2-Hexanone
Concen: 99.292 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

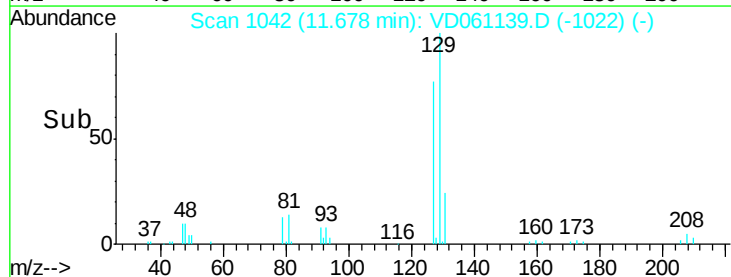
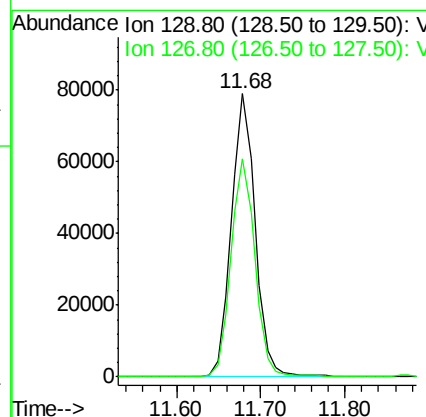
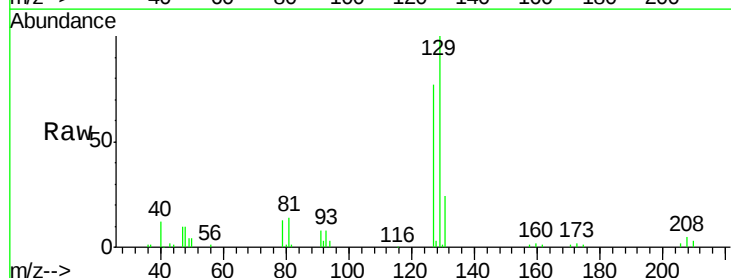
Instrument :
MSVOA_D
ClientSampleId :

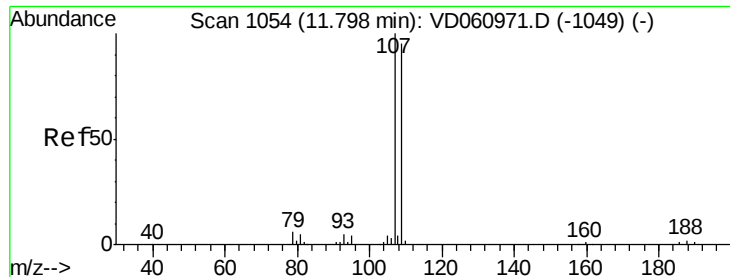
Tot Ion: 43 Resp: 274700
Ion Ratio Lower Upper
43 100
58 52.4 26.5 79.5



#60
Dibromochloromethane
Concen: 21.450 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Tgt Ion:129 Resp: 155159
Ion Ratio Lower Upper
129 100
127 77.0 38.3 114.9





#61

1,2-Dibromoethane

Concen: 20.831 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

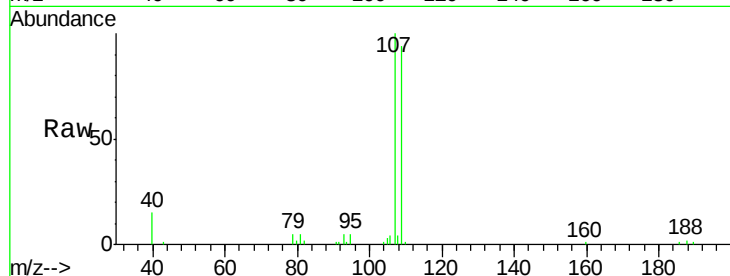
ClientSampleId :

Tot Ion:107 Resp: 119102

Ion Ratio Lower Upper

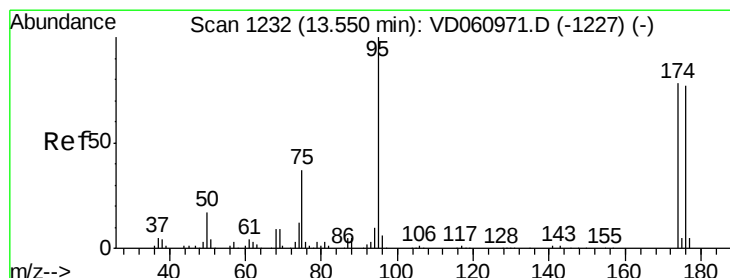
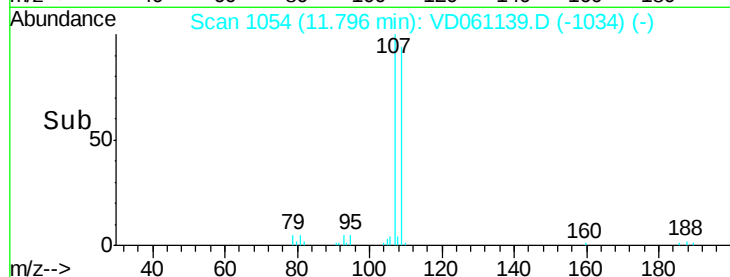
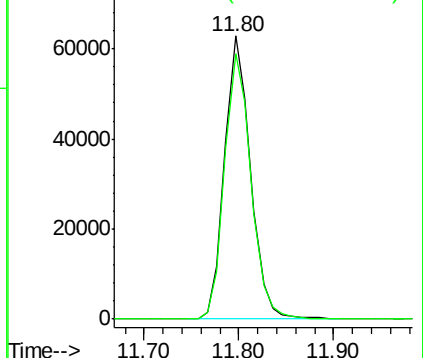
107 100

109 93.8 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.831 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

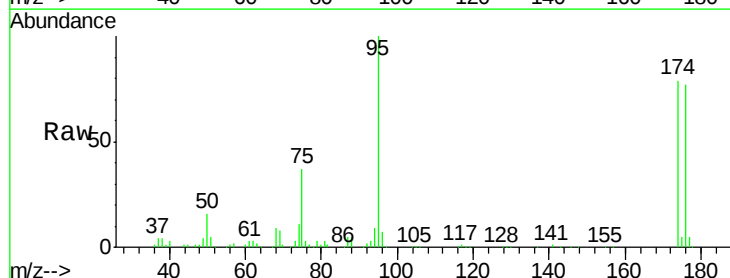
Tgt Ion: 95 Resp: 401194

Ion Ratio Lower Upper

95 100

174 78.5 0.0 155.6

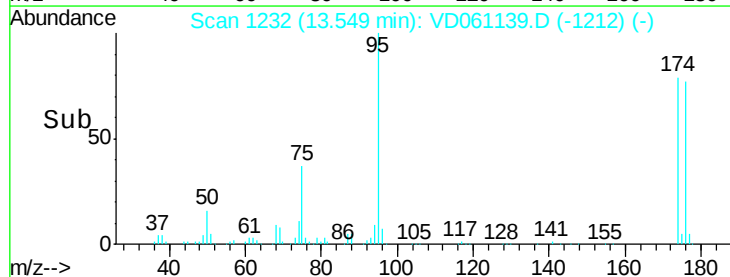
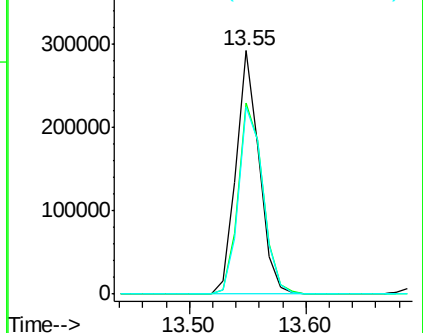
176 76.9 0.0 153.8

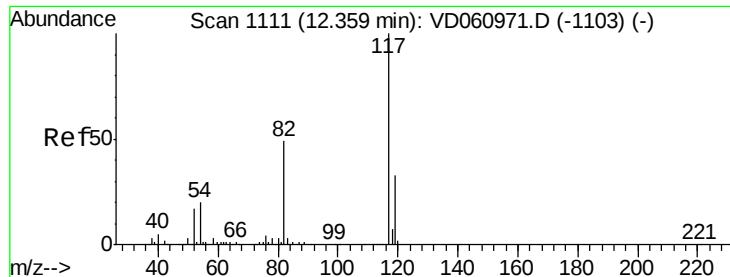


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

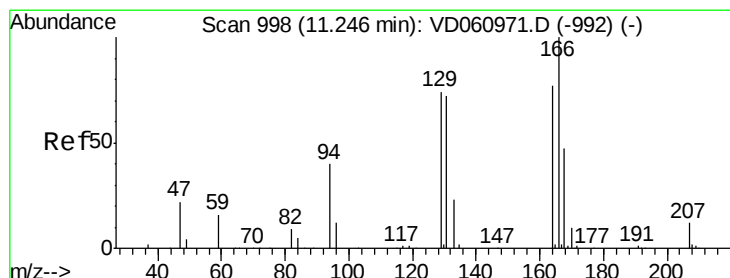
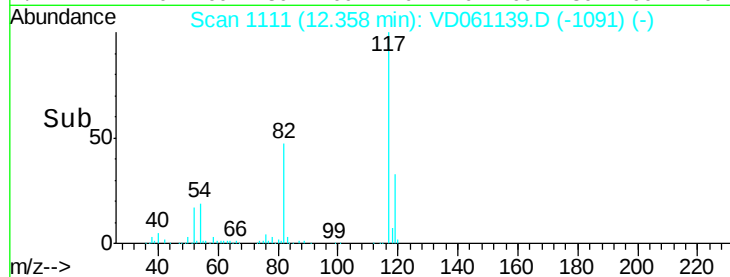
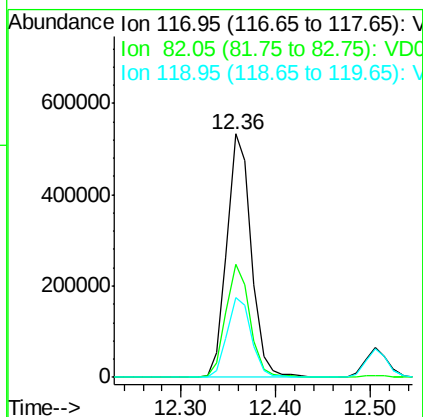
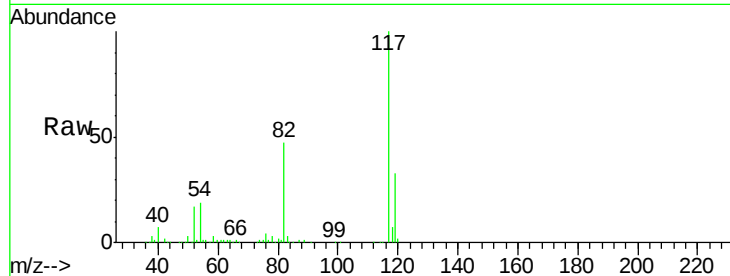




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

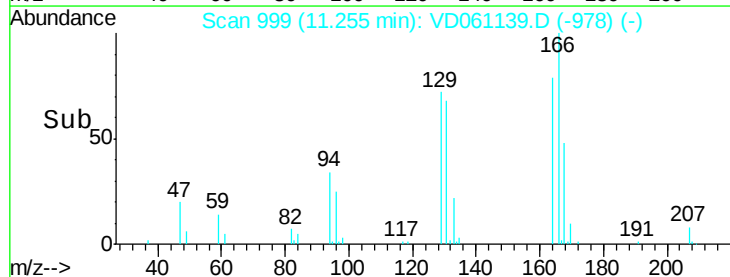
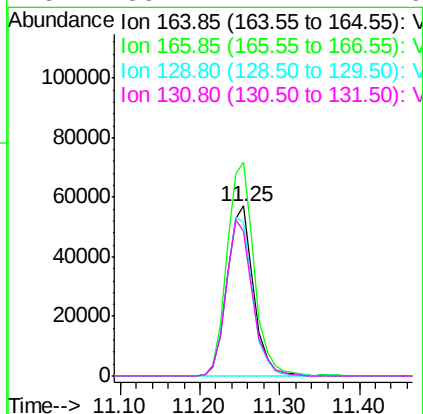
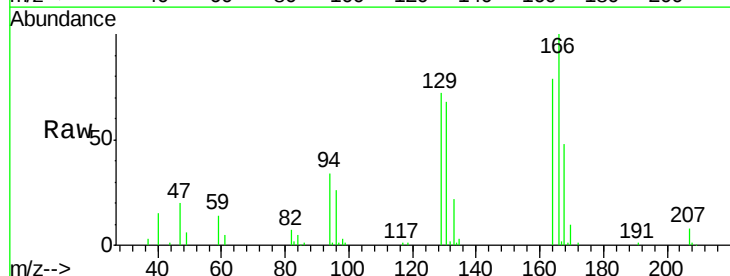
Instrument :
MSVOA_D
ClientSampleId :

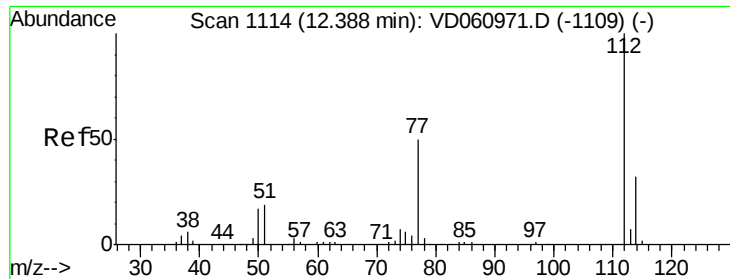
Tot Ion:117 Resp: 950881
Ion Ratio Lower Upper
117 100
82 46.6 38.9 58.3
119 32.7 26.6 39.8



#64
Tetrachloroethene
Concen: 20.435 ug/l
RT: 11.25 min Scan# 999
Delta R.T. 0.01 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Tgt Ion:164 Resp: 131168
Ion Ratio Lower Upper
164 100
166 125.9 103.4 155.0
129 90.6 76.9 115.3
131 85.1 74.4 111.6

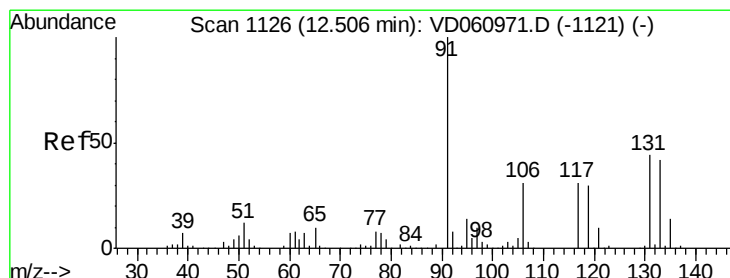
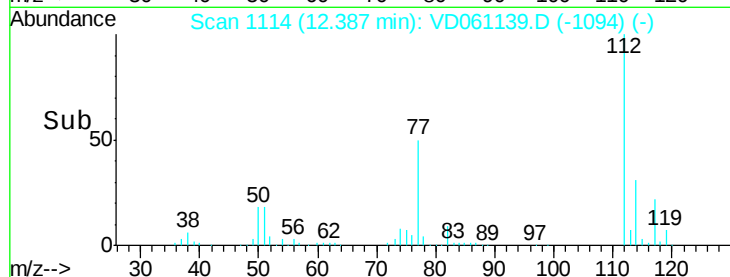
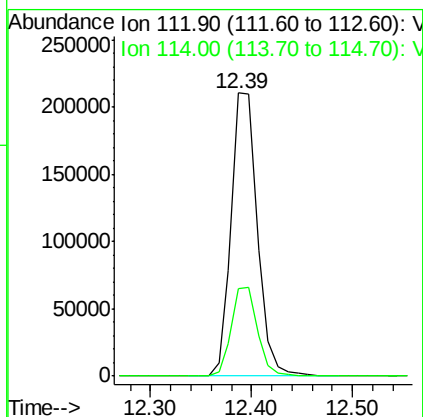
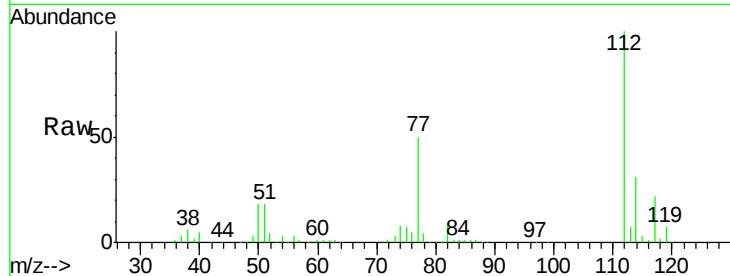




#65
Chlorobenzene
Concen: 20.368 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

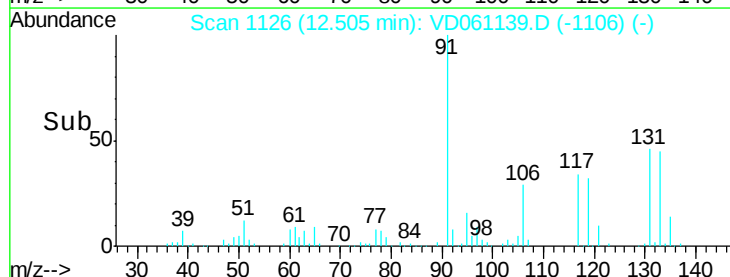
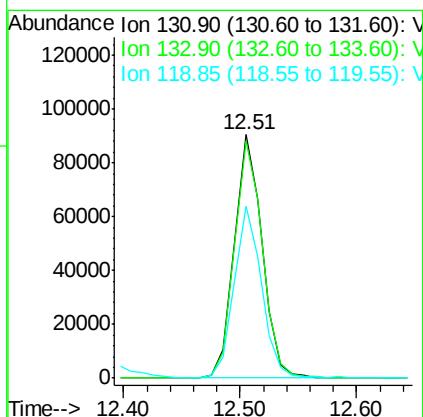
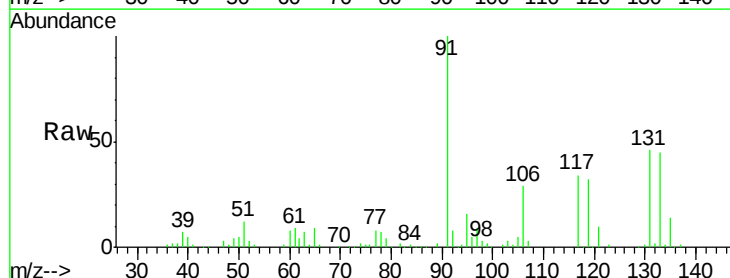
Instrument :
MSVOA_D
ClientSampled :

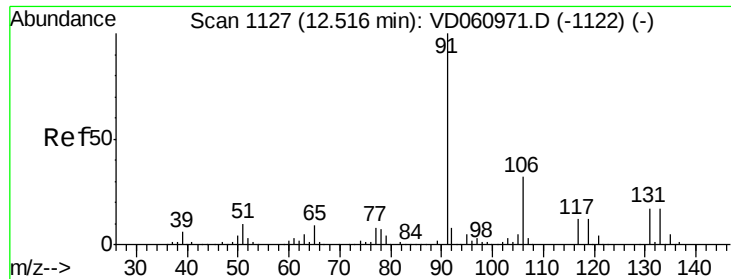
Tot Ion:112 Resp: 379677
Ion Ratio Lower Upper
112 100
114 31.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 22.461 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Tgt Ion:131 Resp: 149245
Ion Ratio Lower Upper
131 100
133 97.6 47.8 143.3
119 70.7 34.3 102.9

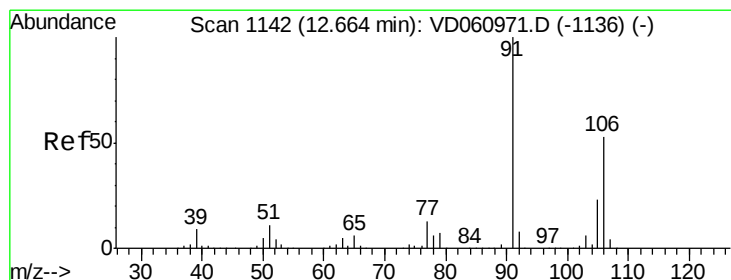
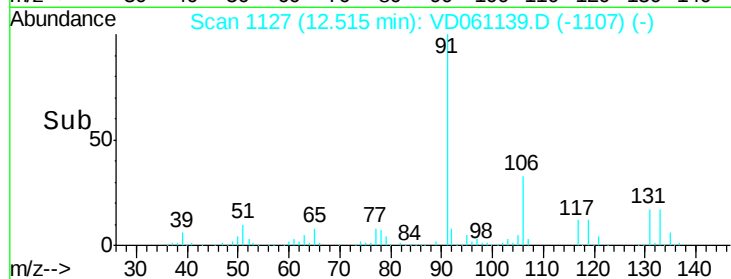
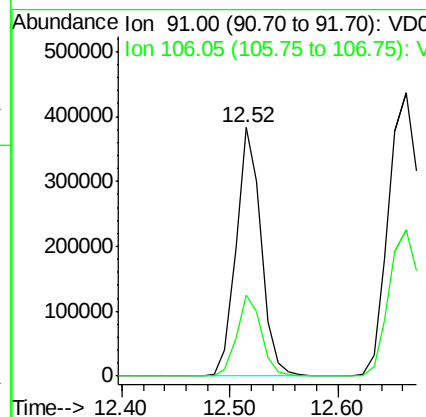
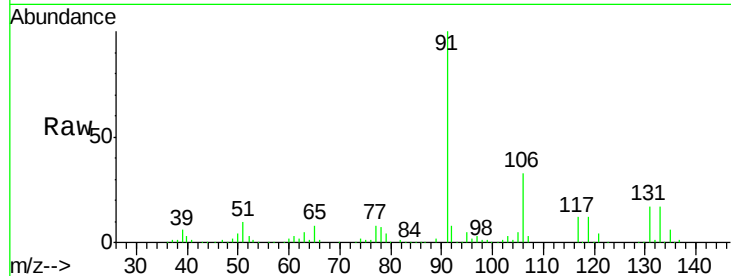




#67
Ethyl Benzene
Concen: 22.139 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

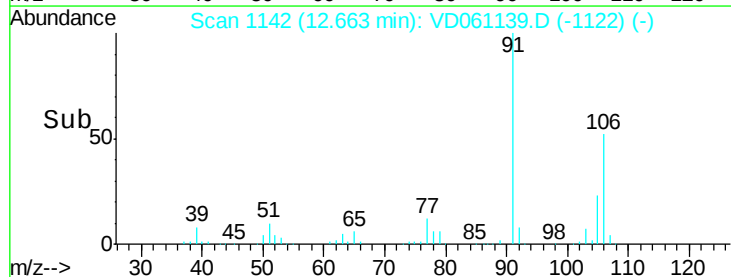
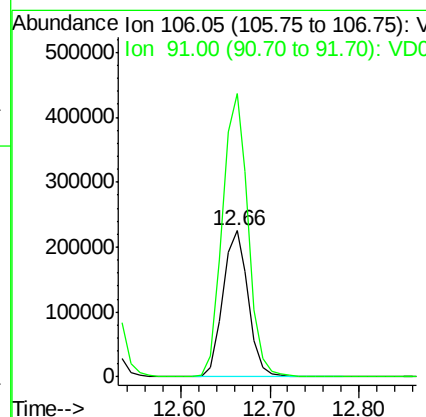
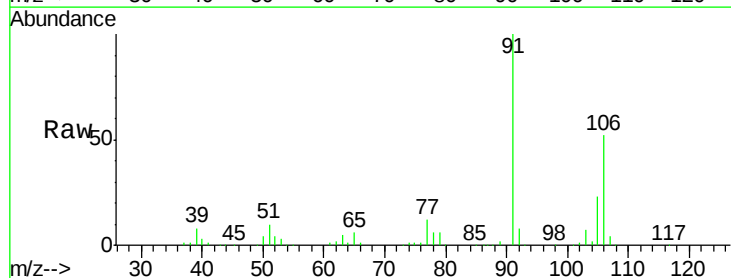
Instrument :
MSVOA_D
ClientSampleId :

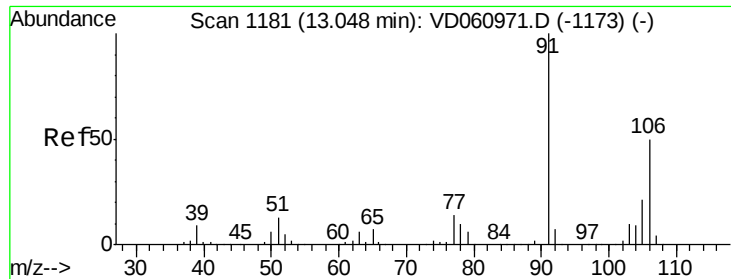
Tot Ion: 91 Resp: 614404
Ion Ratio Lower Upper
91 100
106 32.5 25.7 38.5



#68
m/p-Xylenes
Concen: 41.377 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Tgt Ion: 106 Resp: 450705
Ion Ratio Lower Upper
106 100
91 193.5 152.0 228.0

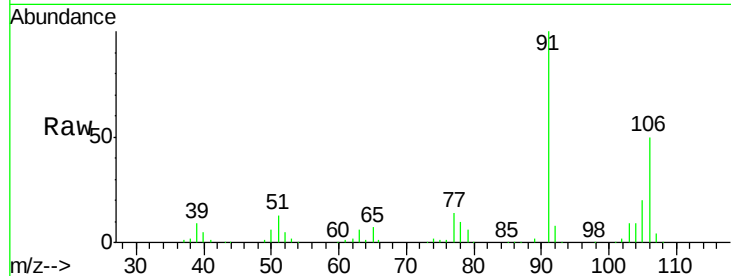




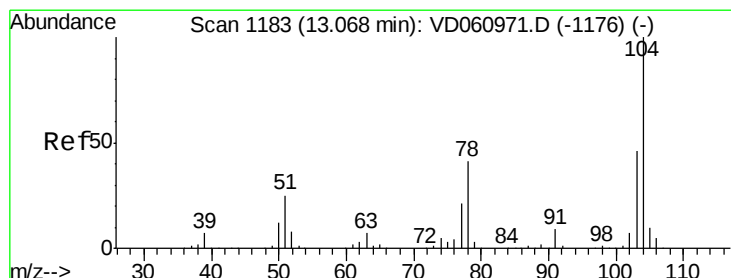
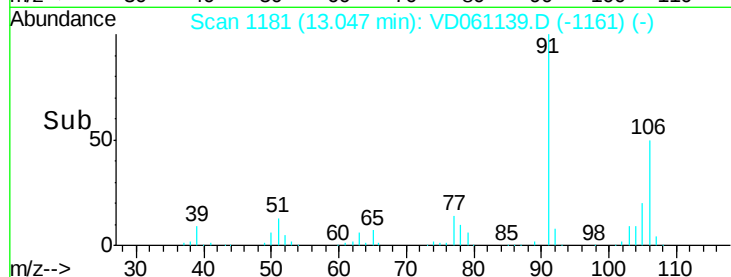
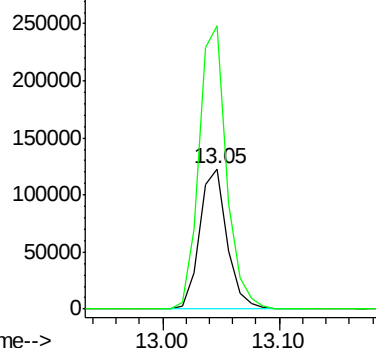
#69
o-Xylene
Concen: 18.597 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 199118
Ion Ratio Lower Upper
106 100
91 201.7 99.8 299.3

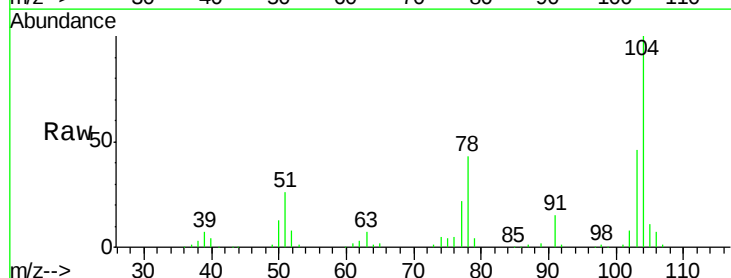


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

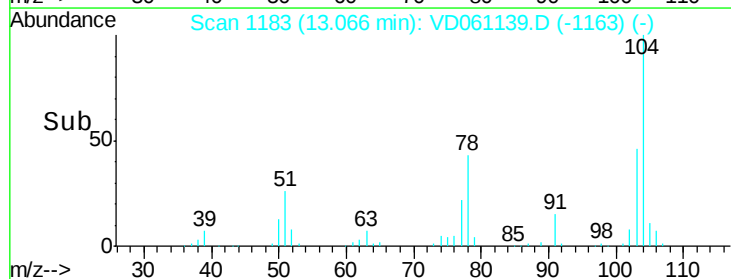
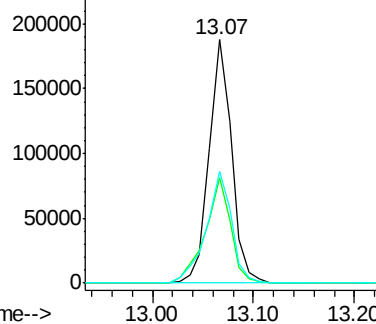


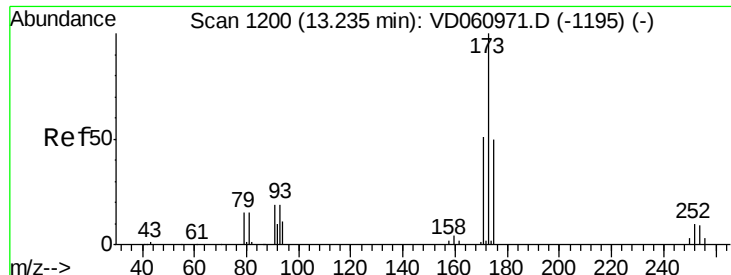
#70
Styrene
Concen: 16.619 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Tgt Ion:104 Resp: 290550
Ion Ratio Lower Upper
104 100
78 43.3 33.0 49.4
103 45.9 37.1 55.7



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 20.545 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

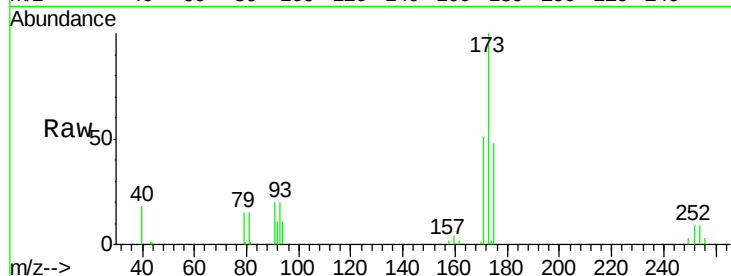
Tot Ion:173 Resp: 88068

Ion Ratio Lower Upper

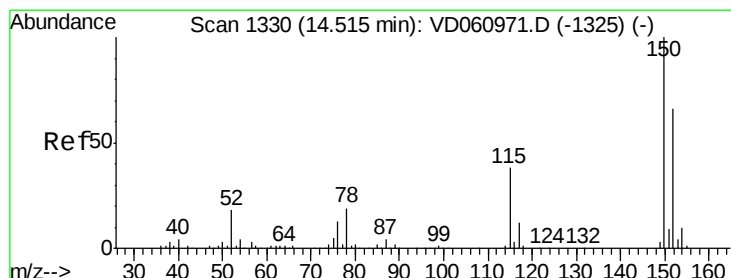
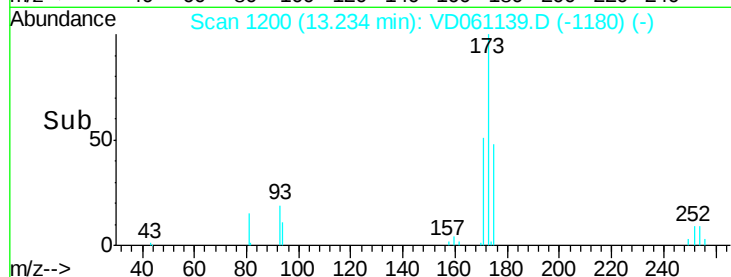
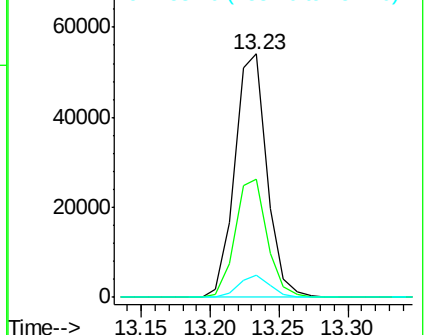
173 100

175 48.4 24.9 74.8

254 9.0 7.3 10.9



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

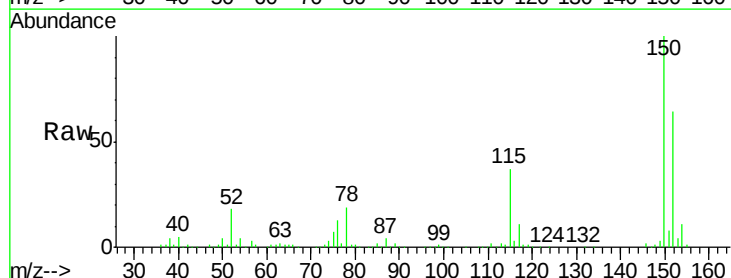
Tgt Ion:152 Resp: 418983

Ion Ratio Lower Upper

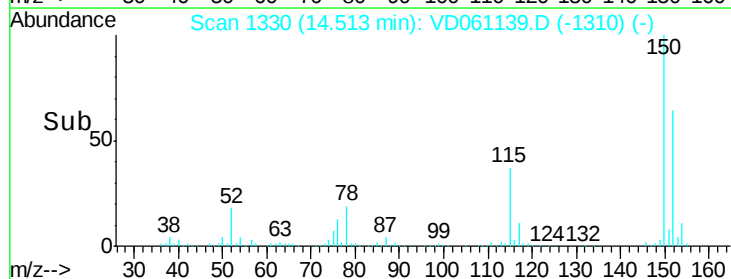
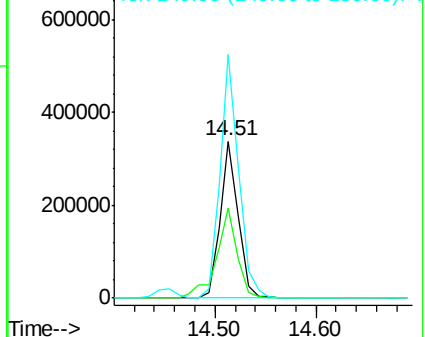
152 100

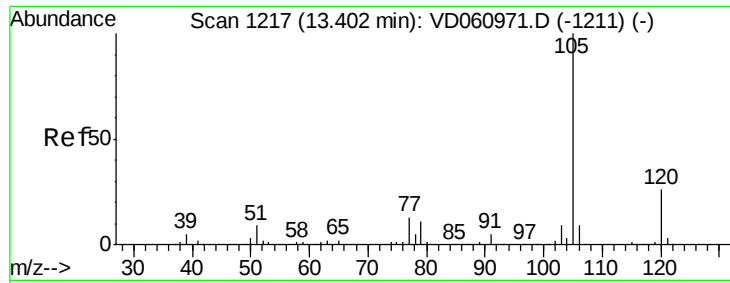
115 57.2 28.6 85.9

150 155.2 0.0 310.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.050 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

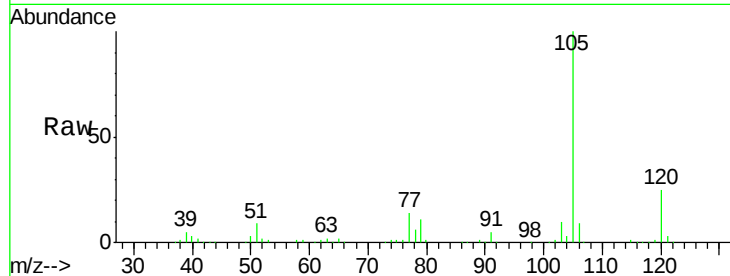
ClientSampleId :

Tot Ion:105 Resp: 514841

Ion Ratio Lower Upper

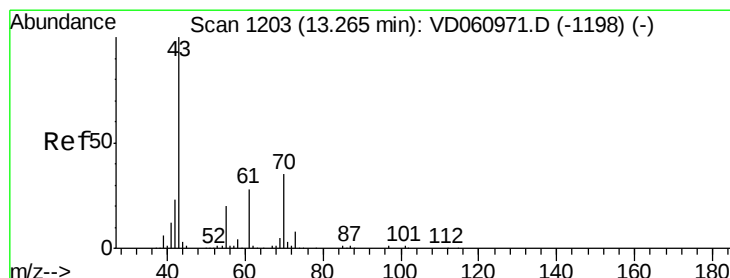
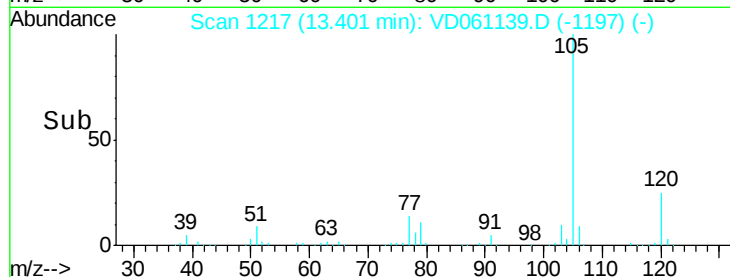
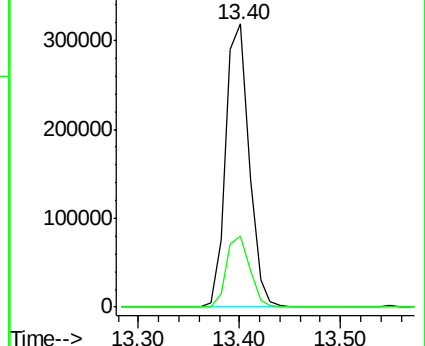
105 100

120 25.2 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 18.588 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Tgt Ion: 43 Resp: 158042

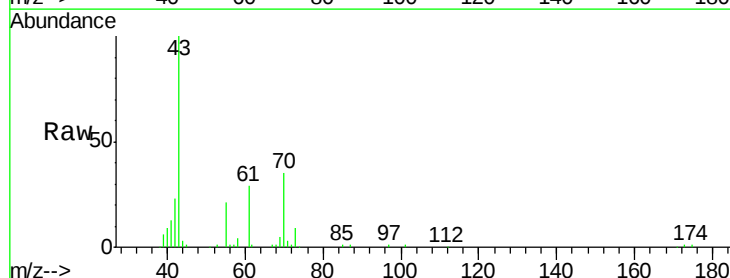
Ion Ratio Lower Upper

43 100

70 34.5 27.7 41.5

55 20.5 16.2 24.2

61 29.3 22.3 33.5

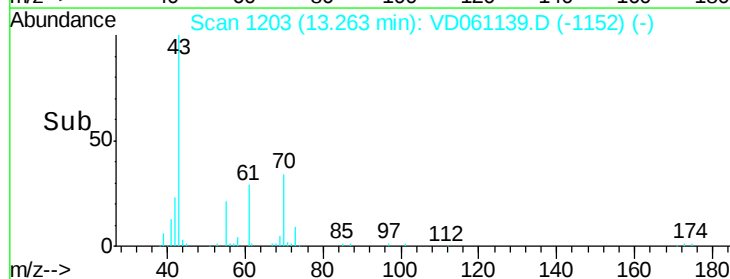
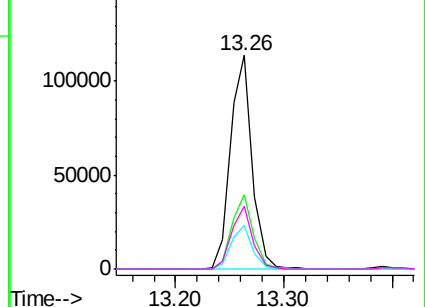


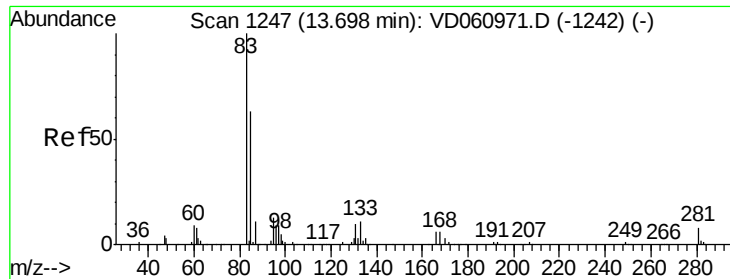
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.368 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

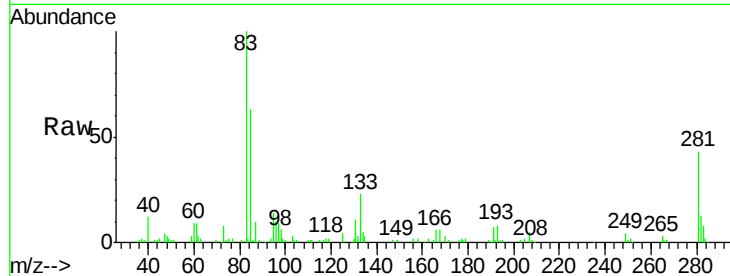
Tot Ion: 83 Resp: 114100

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

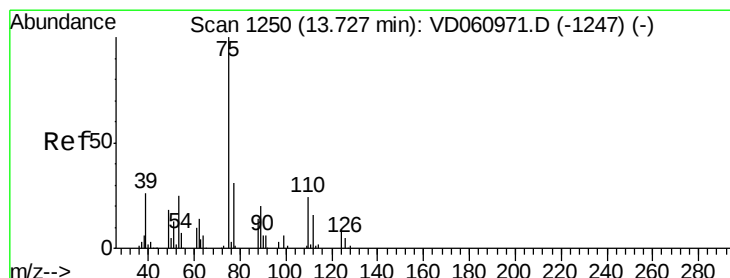
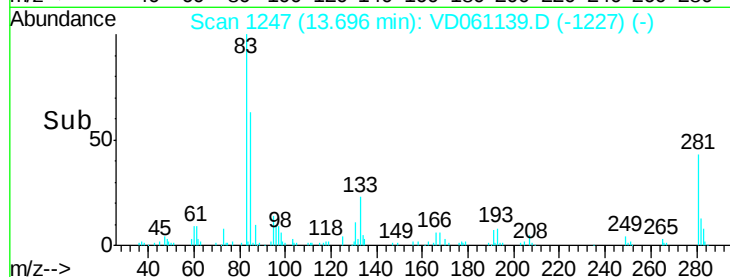
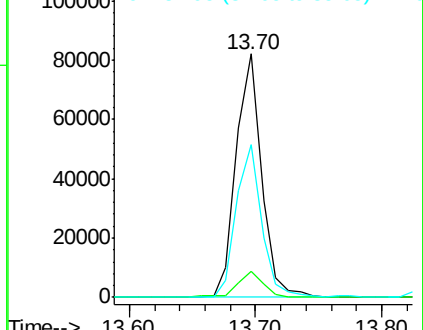
85 62.8 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 18.048 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061139.D

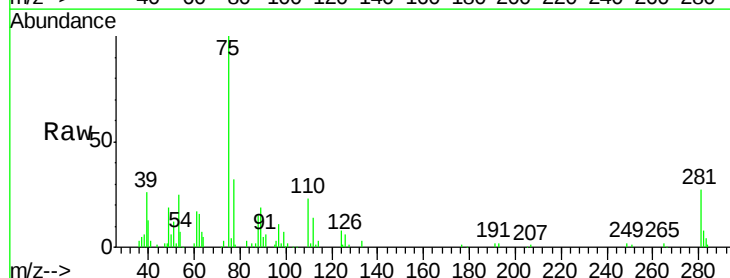
Acq: 18 Mar 2019 12:24

Tgt Ion: 75 Resp: 108788

Ion Ratio Lower Upper

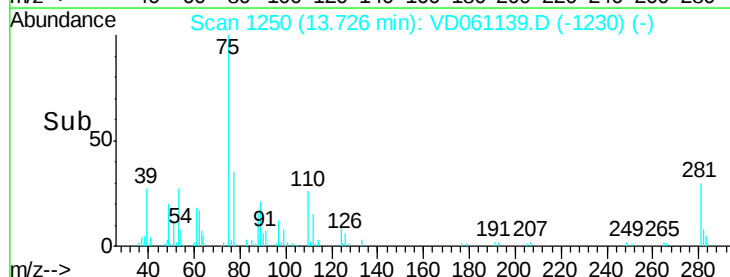
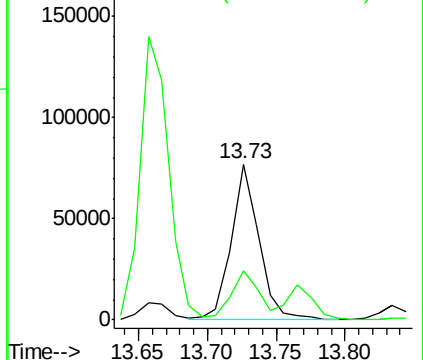
75 100

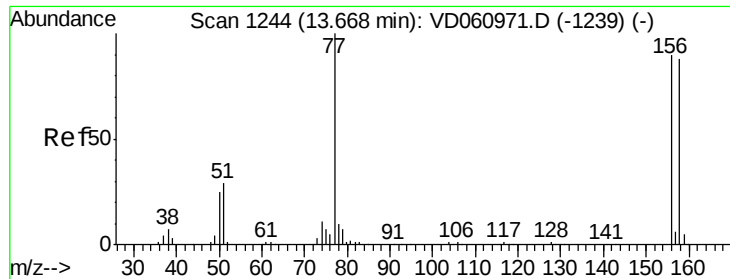
77 31.9 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.746 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

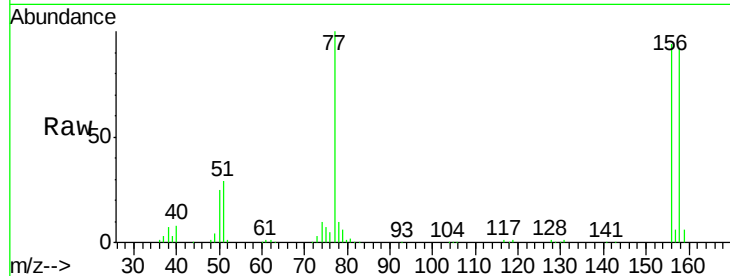
Tot Ion:156 Resp: 159906

Ion Ratio Lower Upper

156 100

77 106.6 55.5 166.7

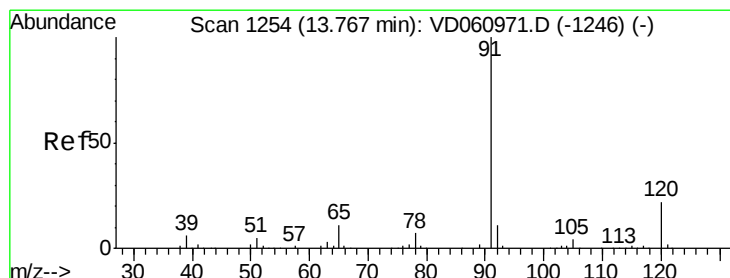
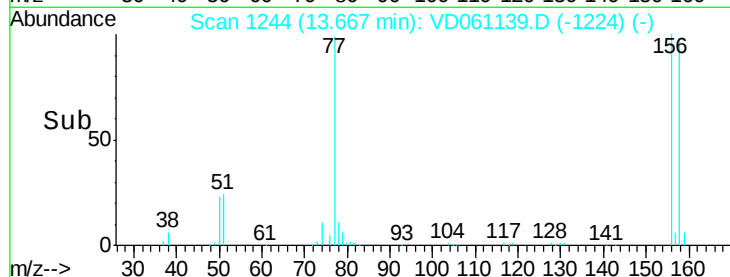
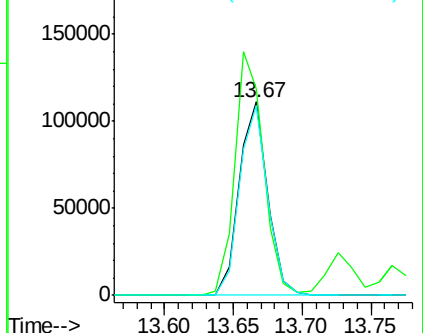
158 98.4 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 18.435 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061139.D

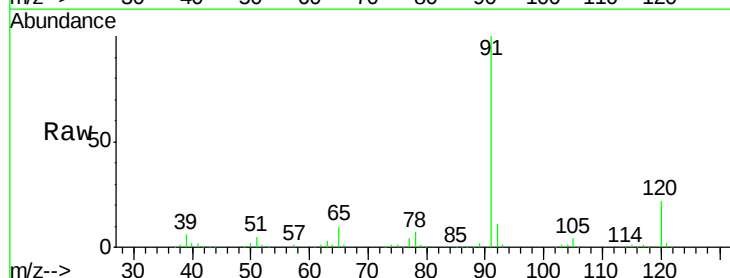
Acq: 18 Mar 2019 12:24

Tgt Ion: 91 Resp: 651665

Ion Ratio Lower Upper

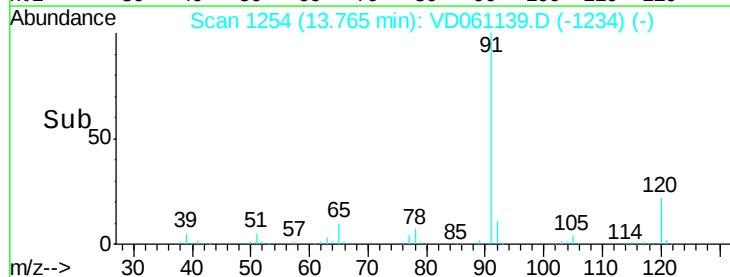
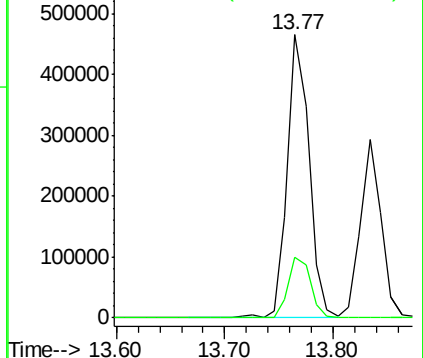
91 100

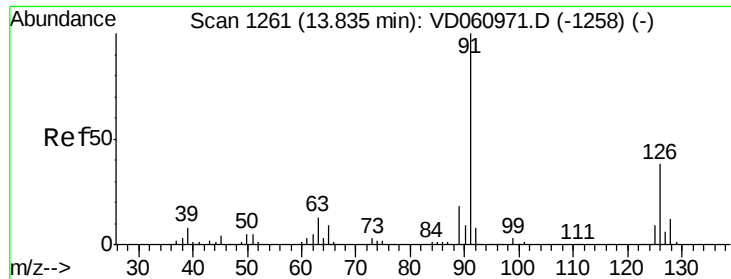
120 21.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.935 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

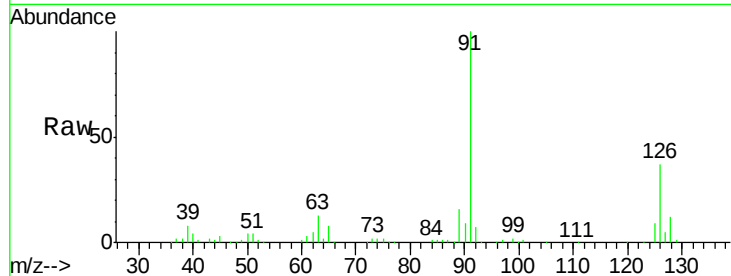
ClientSampleId :

Tot Ion: 91 Resp: 387955

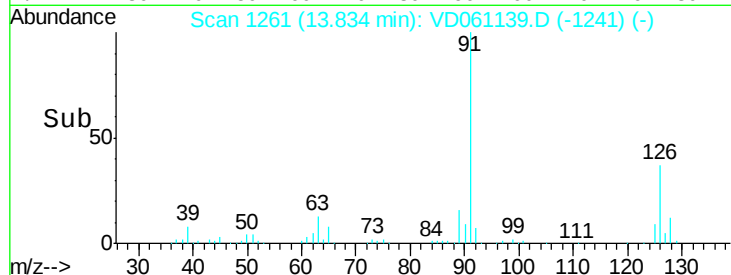
Ion Ratio Lower Upper

91 100

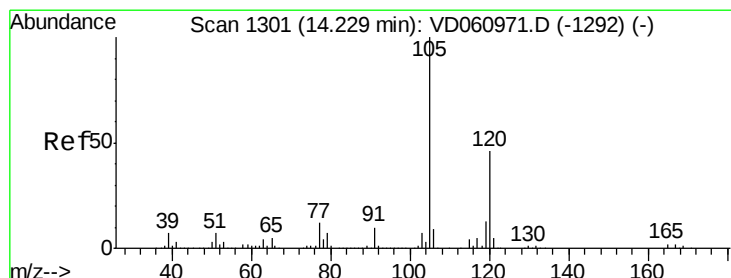
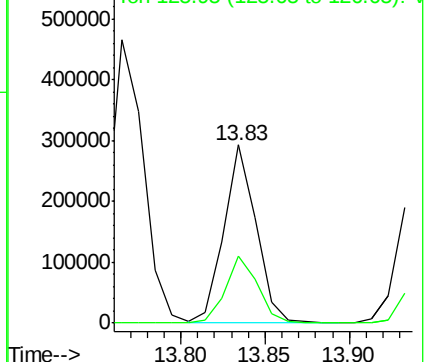
126 37.3 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VD061139.D (-1241) (-)



Ion 125.95 (125.65 to 126.65): VD061139.D (-1241) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.157 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061139.D

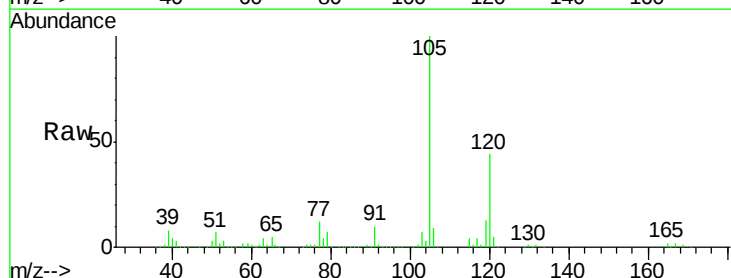
Acq: 18 Mar 2019 12:24

Tgt Ion:105 Resp: 462063

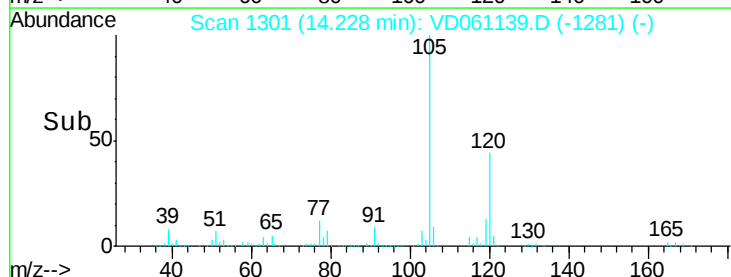
Ion Ratio Lower Upper

105 100

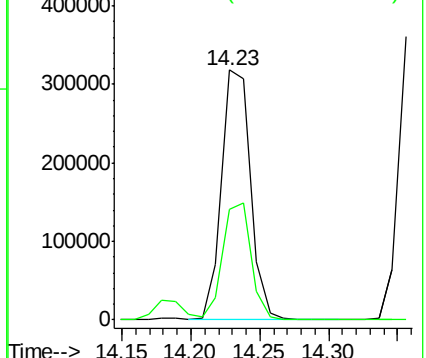
120 44.3 22.9 68.5

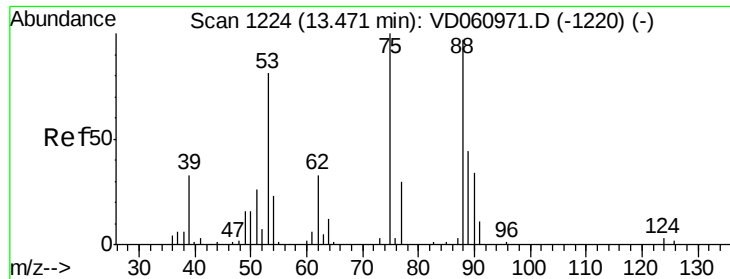


Abundance Ion 105.05 (104.75 to 105.75): VD061139.D (-1281) (-)



Ion 120.05 (119.75 to 120.75): VD061139.D (-1281) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.744 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampled :

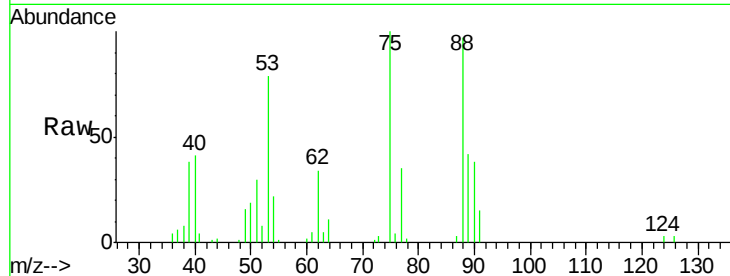
Tot Ion: 75 Resp: 33310

Ion Ratio Lower Upper

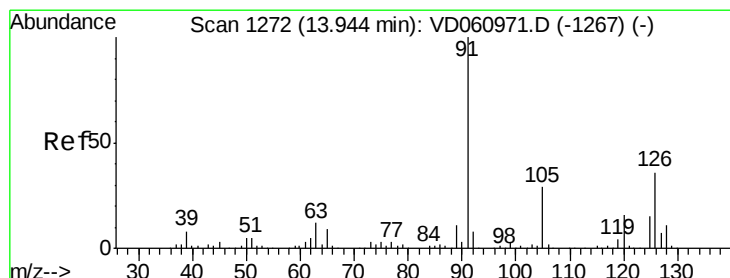
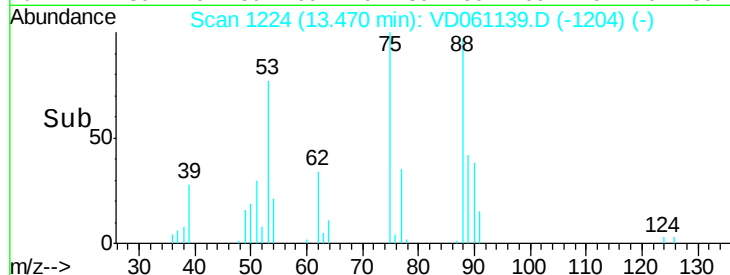
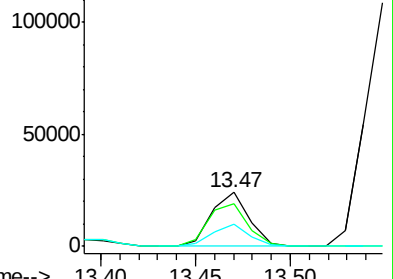
75 100

53 79.0 64.4 96.6

89 41.7 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.049 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061139.D

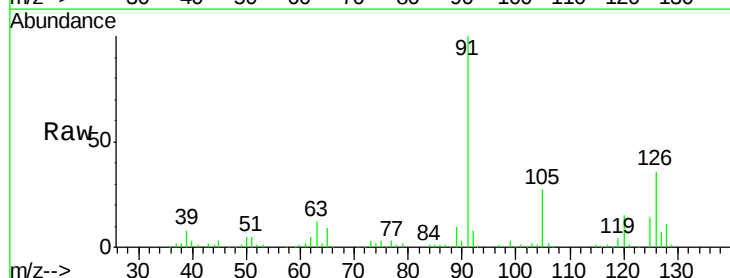
Acq: 18 Mar 2019 12:24

Tgt Ion: 91 Resp: 438259

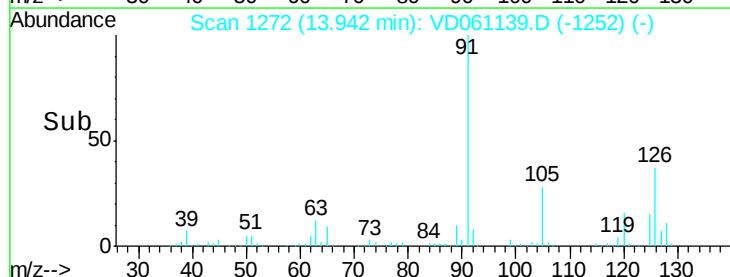
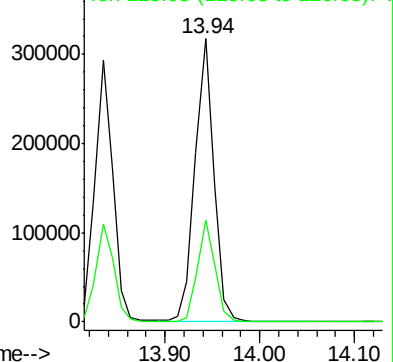
Ion Ratio Lower Upper

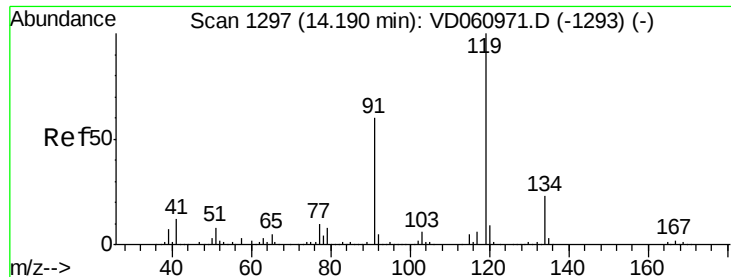
91 100

126 36.0 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

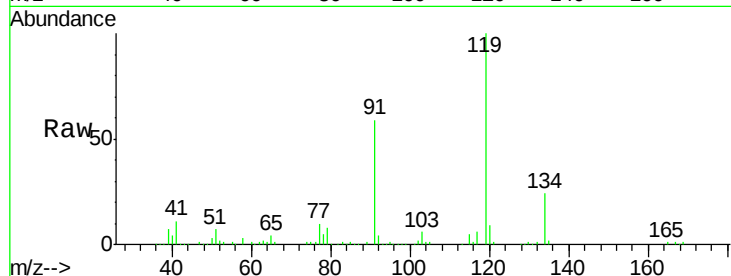




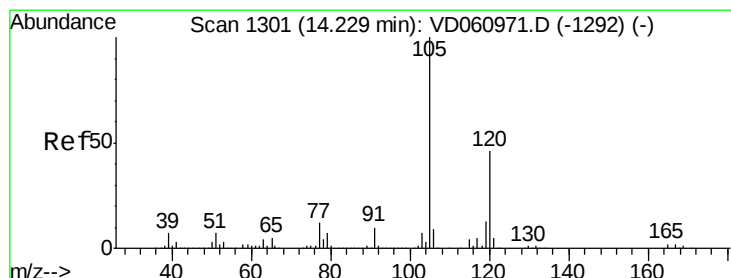
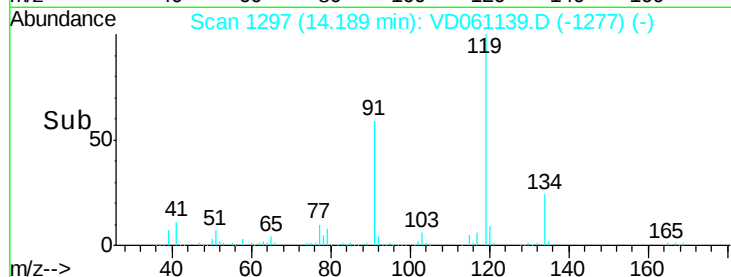
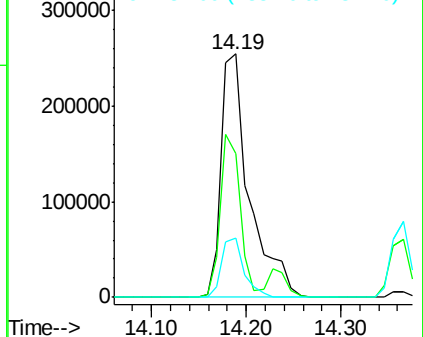
#83
tert-Butylbenzene
Concen: 21.059 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 528298
Ion Ratio Lower Upper
119 100
91 59.0 30.1 90.3
134 24.1 11.6 34.7

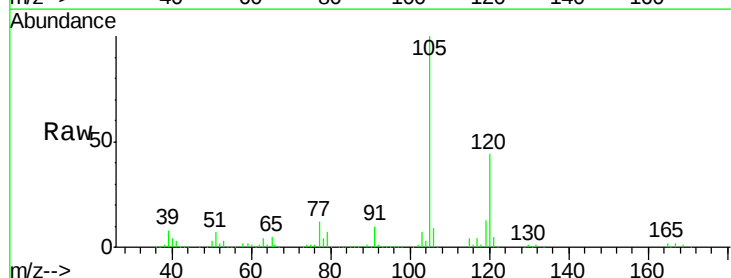


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

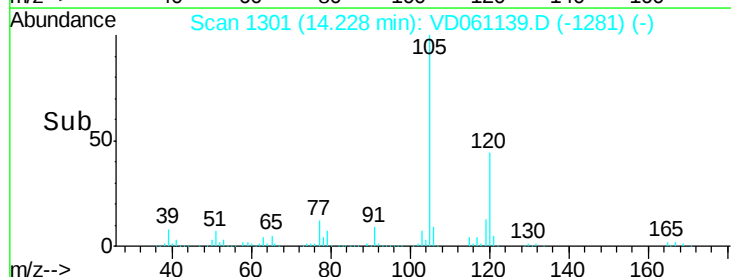
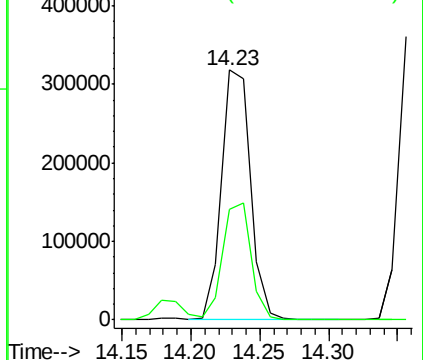


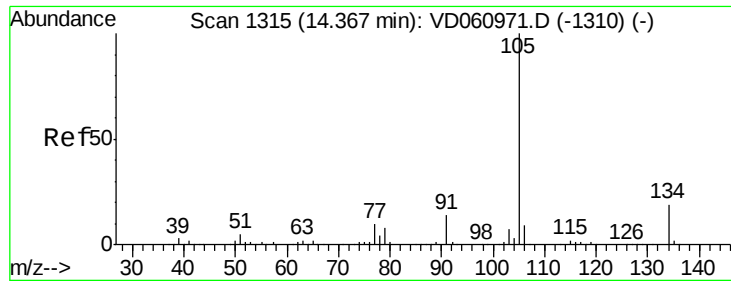
#84
1,2,4-Trimethylbenzene
Concen: 20.157 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD061139.D
Acq: 18 Mar 2019 12:24

Tgt Ion:105 Resp: 462063
Ion Ratio Lower Upper
105 100
120 44.3 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 19.865 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

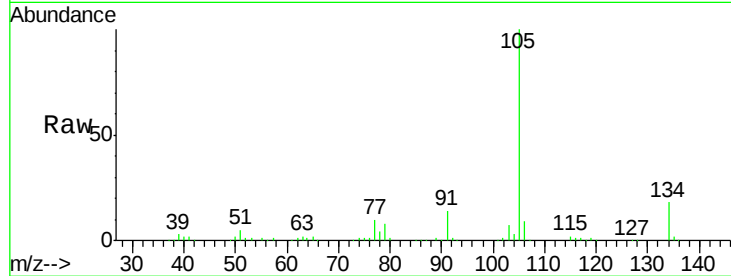
ClientSampled :

Tot Ion:105 Resp: 608380

Ion Ratio Lower Upper

105 100

134 17.9 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

14.37

400000

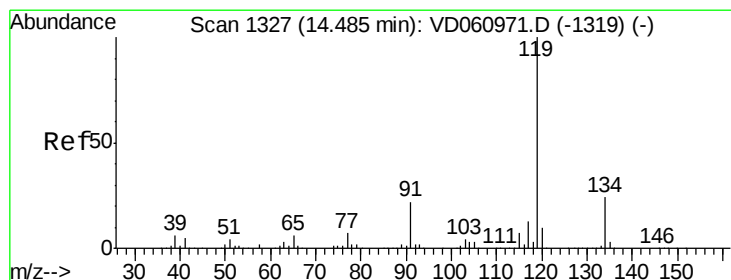
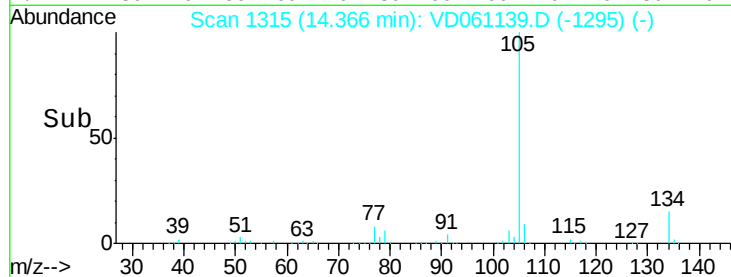
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.183 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

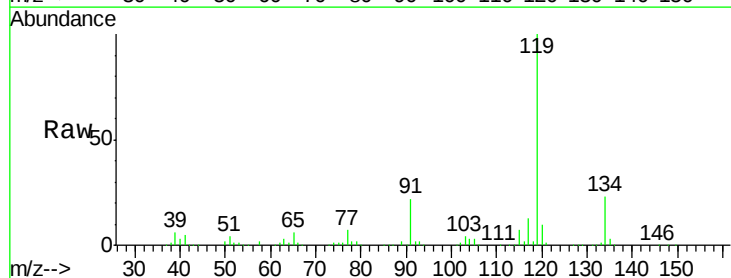
Tgt Ion:119 Resp: 505243

Ion Ratio Lower Upper

119 100

134 23.3 12.0 36.1

91 22.4 11.2 33.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

14.48

400000

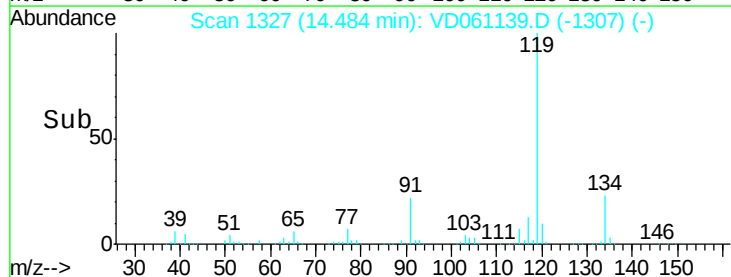
300000

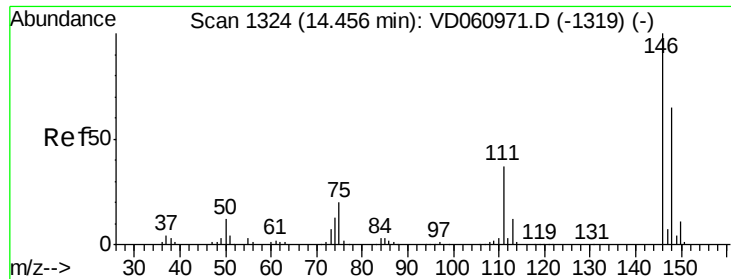
200000

100000

0

Time-->

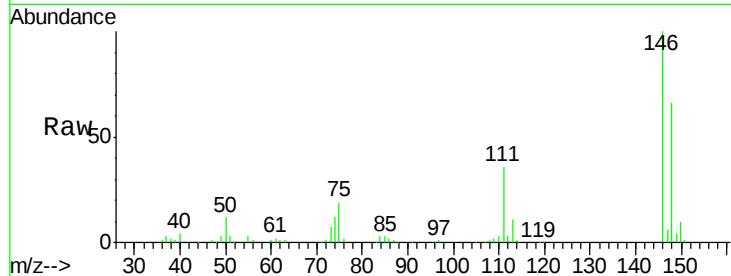




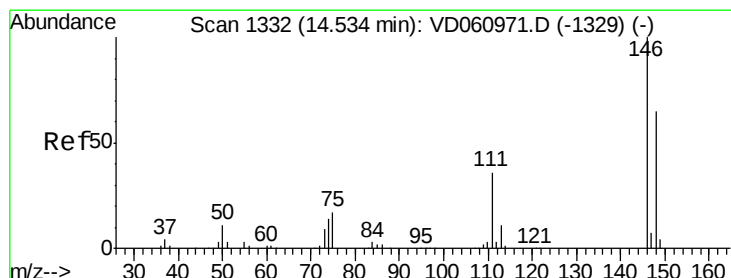
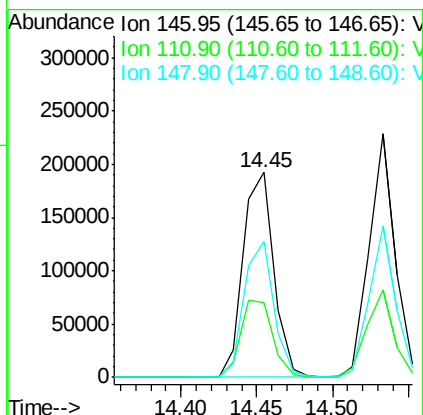
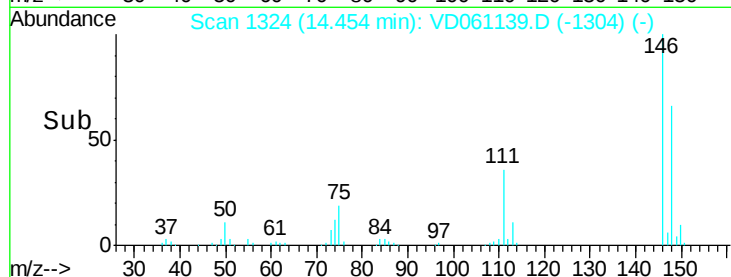
#87
 1,3-Dichlorobenzene
 Concen: 19.798 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061139.D
 Acq: 18 Mar 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 272492
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.4 55.4
 148 66.3 32.5 97.4

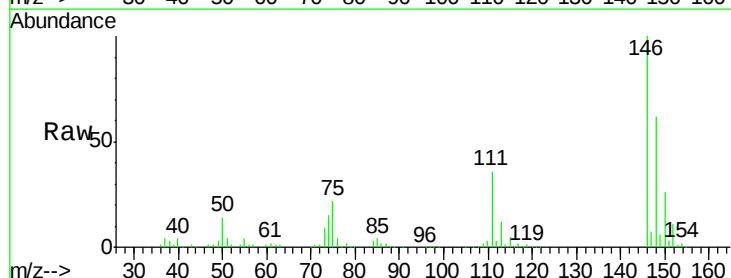


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

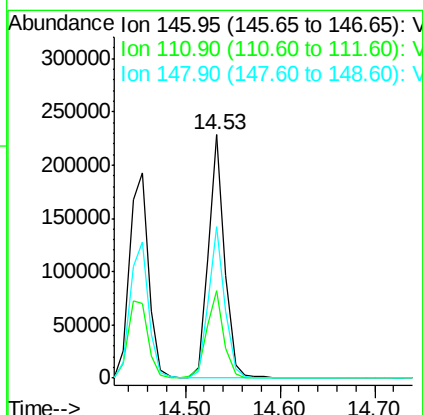
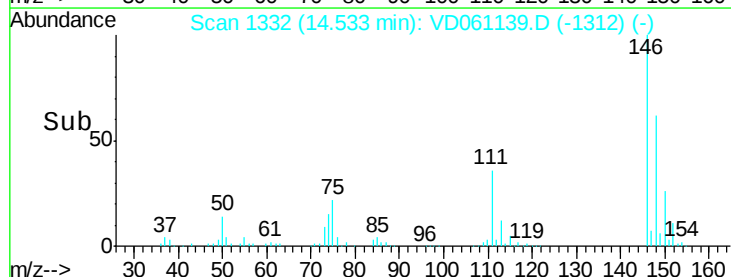


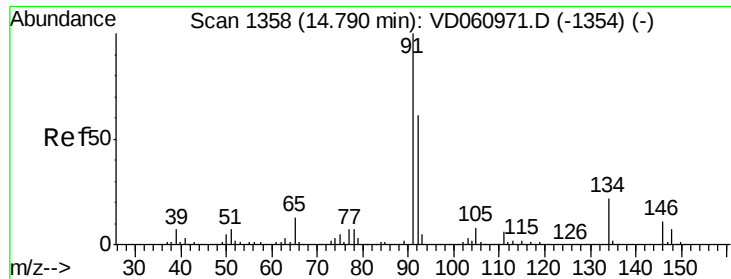
#88
 1,4-Dichlorobenzene
 Concen: 20.390 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061139.D
 Acq: 18 Mar 2019 12:24

Tgt Ion:146 Resp: 275779
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.4 55.2
 148 62.2 32.5 97.5



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.858 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

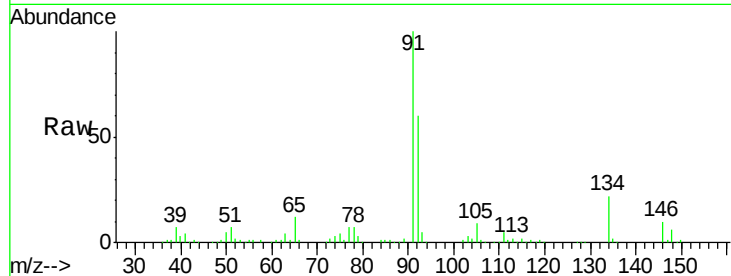
Tot Ion: 91 Resp: 453341

Ion Ratio Lower Upper

91 100

92 60.4 30.6 91.8

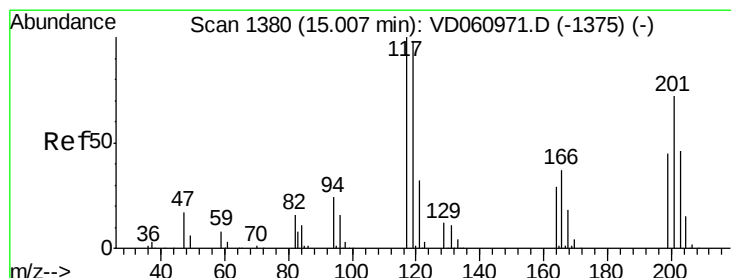
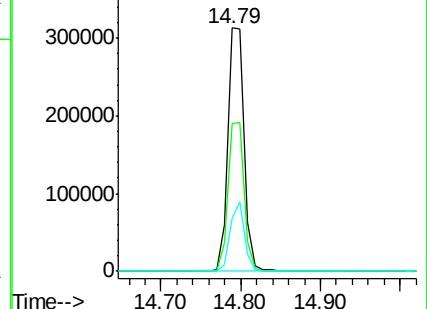
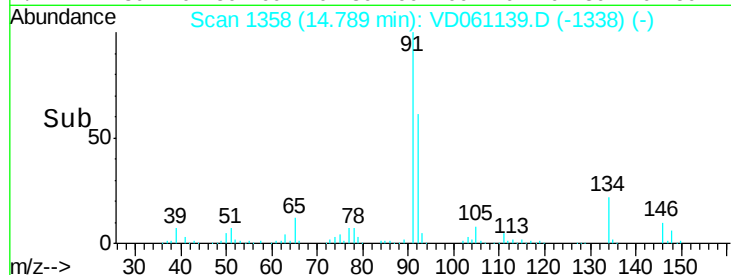
134 21.9 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.217 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD061139.D

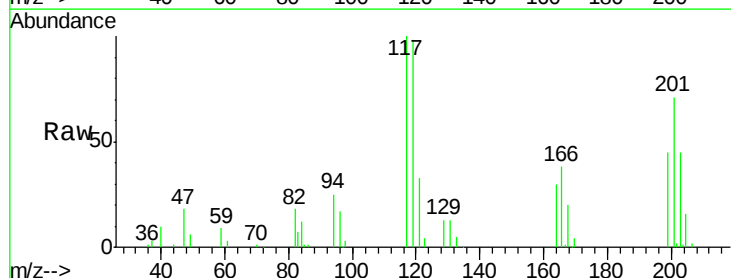
Acq: 18 Mar 2019 12:24

Tgt Ion: 117 Resp: 128775

Ion Ratio Lower Upper

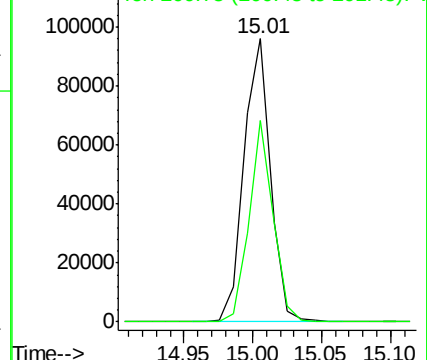
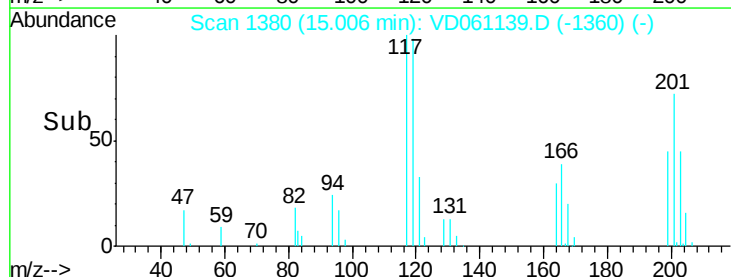
117 100

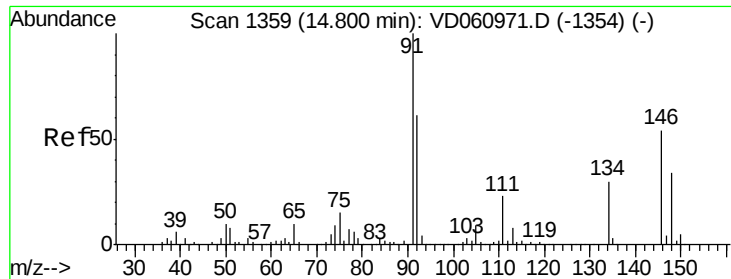
201 71.2 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

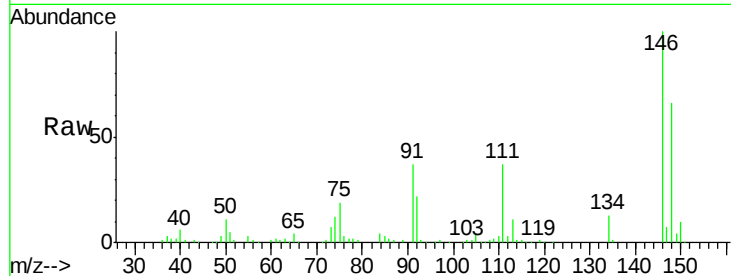




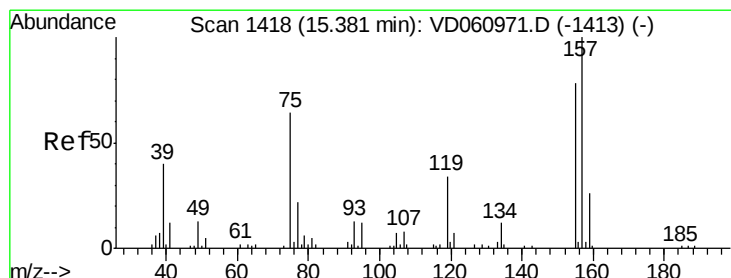
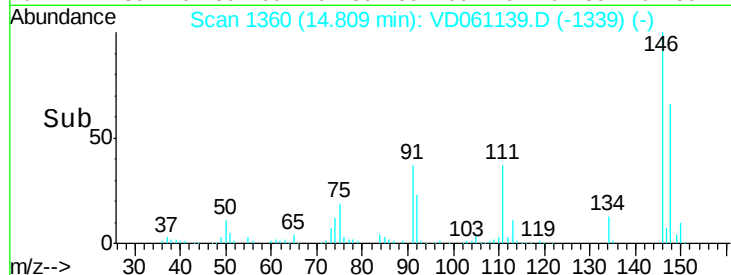
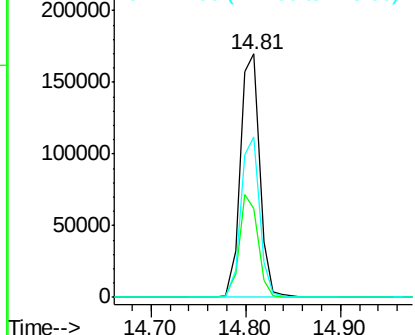
#91
 1,2-Dichlorobenzene
 Concen: 21.075 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061139.D
 Acq: 18 Mar 2019 12:24

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 241817
 Ion Ratio Lower Upper
 146 100
 111 36.7 21.5 64.5
 148 65.7 30.9 92.8

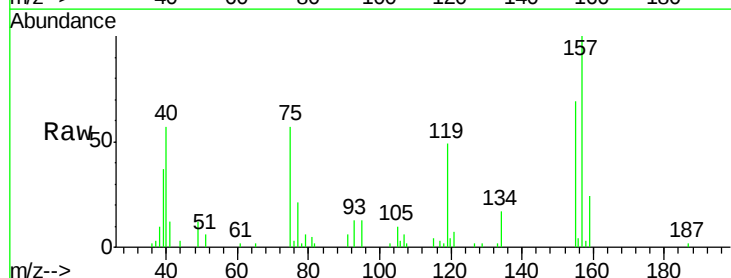


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

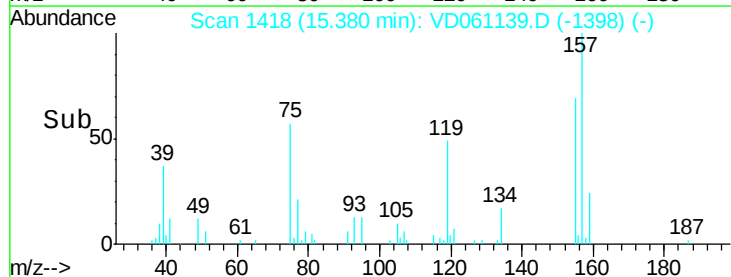
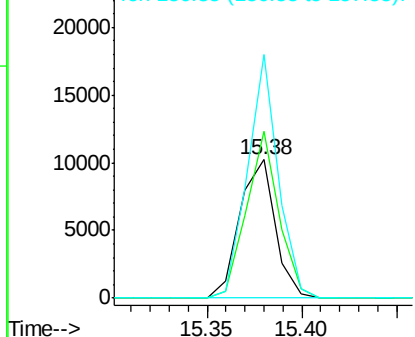


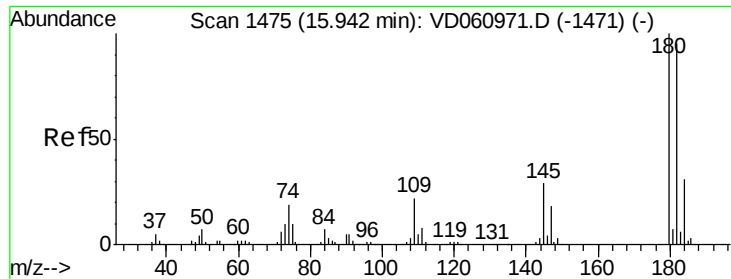
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.658 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061139.D
 Acq: 18 Mar 2019 12:24

Tgt Ion: 75 Resp: 13246
 Ion Ratio Lower Upper
 75 100
 155 120.6 61.2 183.5
 157 175.7 78.3 234.8



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

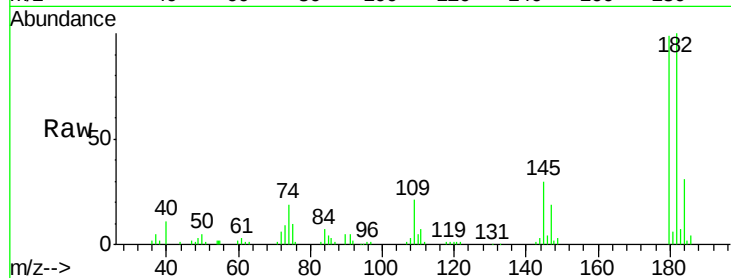




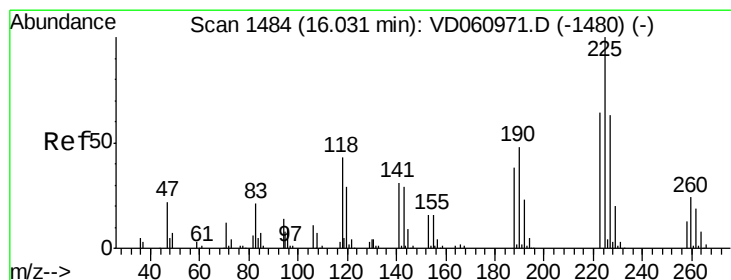
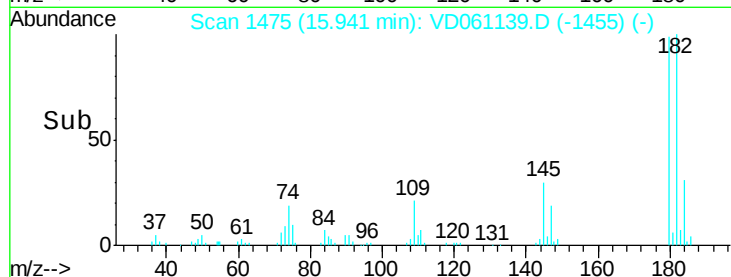
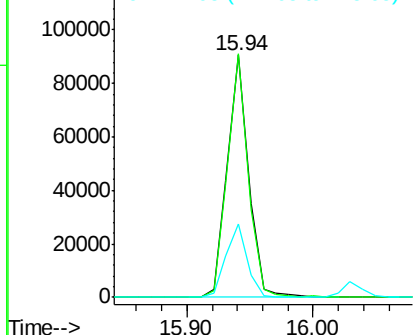
#93
 1,2,4-Trichlorobenzene
 Concen: 19.812 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061139.D
 Acq: 18 Mar 2019 12:24

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 105459
 Ion Ratio Lower Upper
 180 100
 182 100.7 47.3 142.0
 145 30.2 14.4 43.0

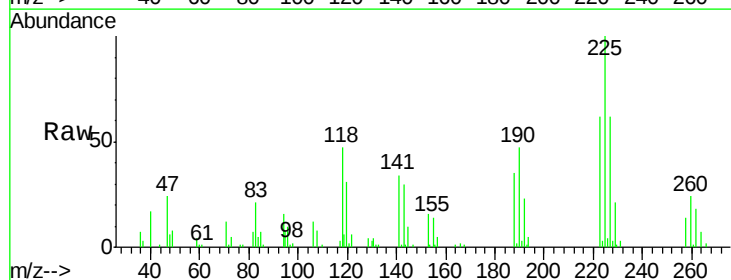


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

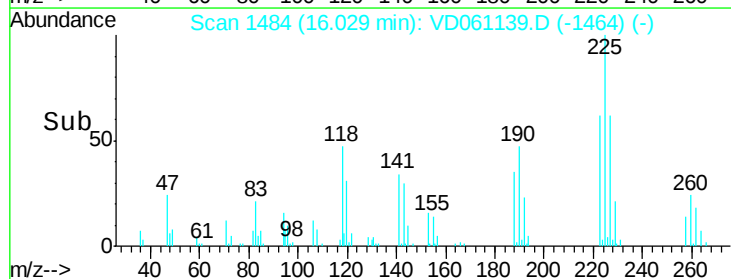
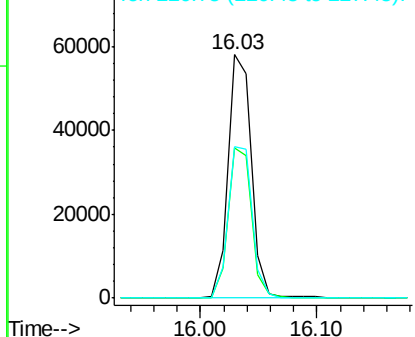


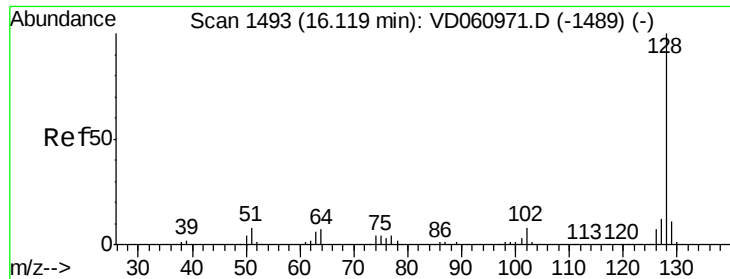
#94
 Hexachlorobutadiene
 Concen: 19.990 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061139.D
 Acq: 18 Mar 2019 12:24

Tgt Ion:225 Resp: 80484
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.8 95.3
 227 62.0 31.4 94.0



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 19.448 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

Instrument :

MSVOA_D

ClientSampleId :

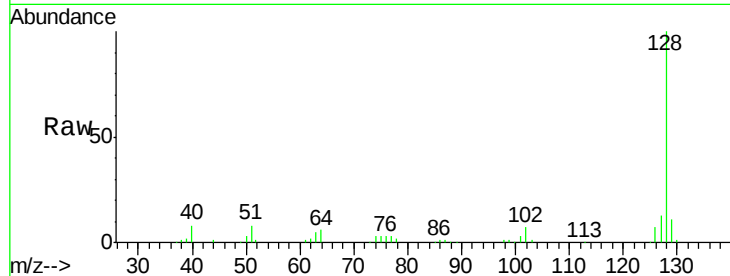
Tot Ion:128 Resp: 157309

Ion Ratio Lower Upper

128 100

127 12.7 9.8 14.8

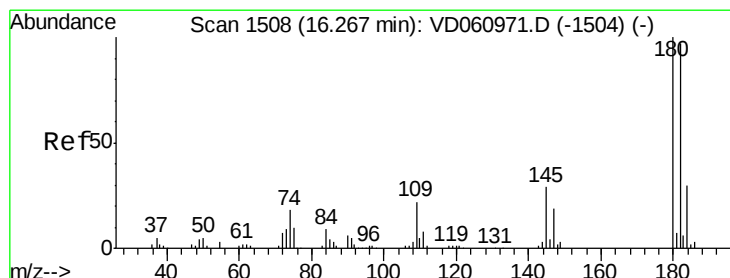
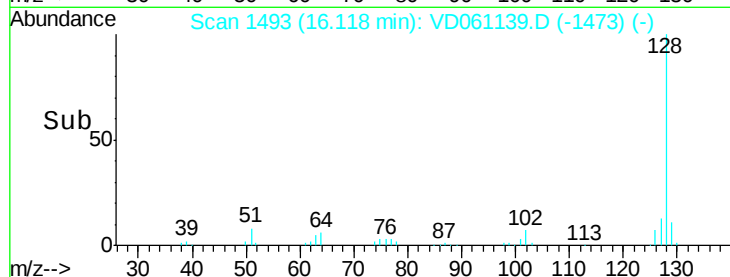
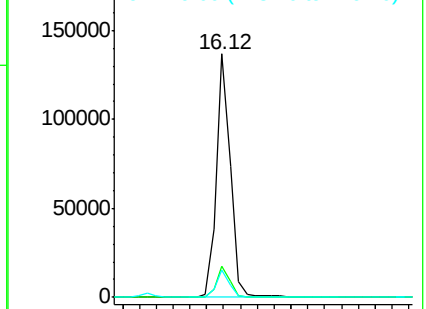
129 11.3 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.581 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VD061139.D

Acq: 18 Mar 2019 12:24

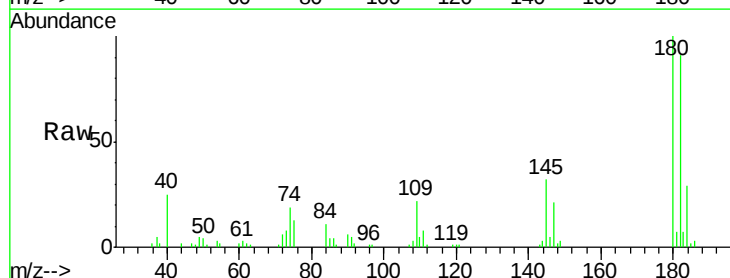
Tgt Ion:180 Resp: 54108

Ion Ratio Lower Upper

180 100

182 90.9 48.6 145.8

145 32.0 14.3 42.9



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

