

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
 Data File : VD061140.D
 Acq On : 18 Mar 2019 12:52
 Operator : VA/AP
 Sample : VD0318SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 19 02:14:53 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	660642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1190648	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	963821	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	428643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.45	65	285703	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
35) Dibromofluoromethane	6.92	113	447208	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
50) Toluene-d8	10.41	98	1037311	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	
62) 4-Bromofluorobenzene	13.55	95	402512	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	127275	19.449	ug/l	98
3) Chloromethane	1.76	50	108051	19.821	ug/l	99
4) Vinyl Chloride	1.86	62	103325	20.512	ug/l	99
5) Bromomethane	2.16	94	18763	18.288	ug/l	88
6) Chloroethane	2.26	64	26697	17.706	ug/l	92
7) Trichlorofluoromethane	2.53	101	154395	21.336	ug/l	96
8) Diethyl Ether	2.87	74	51152	21.428	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.15	101	172120	21.275	ug/l	95
10) Methyl Iodide	3.31	142	204360	20.200	ug/l	98
11) Tert butyl alcohol	4.07	59	36318	103.741	ug/l #	91
12) 1,1-Dichloroethene	3.13	96	142083	21.425	ug/l	99
13) Acrolein	3.04	56	37380	73.795	ug/l	97
14) Allyl chloride	3.62	41	213296	20.103	ug/l	96
15) Acrylonitrile	4.20	53	134054	108.344	ug/l	96
16) Acetone	3.22	43	168023	106.850	ug/l	96
17) Carbon Disulfide	3.38	76	428295	19.146	ug/l	99
18) Methyl Acetate	3.64	43	60033	19.399	ug/l #	91
19) Methyl tert-butyl Ether	4.23	73	251362	21.628	ug/l	98
20) Methylene Chloride	3.82	84	160030	19.472	ug/l	93
21) trans-1,2-Dichloroethene	4.22	96	148103	20.634	ug/l	95
22) Diisopropyl ether	5.12	45	457114	20.753	ug/l	98
23) Vinyl Acetate	5.05	43	1307670	115.652	ug/l	98
24) 1,1-Dichloroethane	4.98	63	272400	22.572	ug/l	98
25) 2-Butanone	6.06	43	202243	113.342	ug/l	99
26) 2,2-Dichloropropane	6.01	77	206192	21.886	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	165762	21.766	ug/l	98
28) Bromochloromethane	6.44	49	98048	19.191	ug/l #	81
29) Tetrahydrofuran	6.45	42	99951	103.158	ug/l	96
30) Chloroform	6.66	83	278917	22.300	ug/l	99
31) Cyclohexane	6.95	56	202155	20.775	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	220357	20.378	ug/l	98
36) 1,1-Dichloropropene	7.14	75	205993	20.071	ug/l	95
37) Ethyl Acetate	6.17	43	91669	19.034	ug/l	96
38) Carbon Tetrachloride	7.11	117	230716	20.408	ug/l	99

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
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Quant Time: Mar 19 02:14:53 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)
39) Methylcyclohexane	8.86	83	215414	20.242	ug/l	97
40) Benzene	7.45	78	505884	19.726	ug/l	99
41) Methacrylonitrile	6.44	41	111737	20.170	ug/l #	95
42) 1,2-Dichloroethane	7.57	62	164960	22.166	ug/l	100
43) Isopropyl Acetate	9.23	43	140010	20.989	ug/l #	98
44) Trichloroethene	8.53	130	183354	20.724	ug/l	98
45) 1,2-Dichloropropane	8.93	63	136013	20.187	ug/l	96
46) Dibromomethane	9.06	93	93015	21.764	ug/l	98
47) Bromodichloromethane	9.37	83	200132	20.751	ug/l	97
48) Methyl methacrylate	9.12	41	80131	21.336	ug/l	97
49) 1,4-Dioxane	9.08	88	17913	471.673	ug/l #	83
51) 4-Methyl-2-Pentanone	10.30	43	436675	106.856	ug/l	95
52) Toluene	10.50	92	332128	20.827	ug/l	94
53) t-1,3-Dichloropropene	10.91	75	187170	21.224	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	220923	20.850	ug/l	99
55) 1,1,2-Trichloroethane	11.18	97	119173	22.440	ug/l	97
56) Ethyl methacrylate	11.04	69	116333	20.928	ug/l	99
57) 1,3-Dichloropropane	11.40	76	165271	20.825	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	269484	91.586	ug/l	99
59) 2-Hexanone	11.53	43	331756	110.981	ug/l	98
60) Dibromochloromethane	11.68	129	170526	21.818	ug/l	99
61) 1,2-Dibromoethane	11.79	107	135807	21.983	ug/l	100
64) Tetrachloroethene	11.25	164	144748	22.248	ug/l	98
65) Chlorobenzene	12.39	112	402034	21.277	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	156794	23.280	ug/l	98
67) Ethyl Benzene	12.51	91	603943	21.470	ug/l	98
68) m/p-Xylenes	12.66	106	482079	43.663	ug/l	95
69) o-Xylene	13.04	106	228120	21.020	ug/l	99
70) Styrene	13.06	104	346187	19.535	ug/l	98
71) Bromoform	13.23	173	91309	21.015	ug/l	100
73) Isopropylbenzene	13.40	105	641857	20.778	ug/l	99
74) N-amyl acetate	13.26	43	176014	20.235	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	118864	19.722	ug/l	94
76) 1,2,3-Trichloropropane	13.72	75	131667	21.351	ug/l	99
77) Bromobenzene	13.66	156	163769	20.768	ug/l	93
78) n-propylbenzene	13.77	91	730374	20.196	ug/l	96
79) 2-Chlorotoluene	13.83	91	421055	21.148	ug/l	98
80) 1,3,5-Trimethylbenzene	14.23	105	513290	21.887	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	38935	21.415	ug/l	97
82) 4-Chlorotoluene	13.94	91	467281	19.853	ug/l	97
83) tert-Butylbenzene	14.19	119	559242	21.790	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	513290	21.887	ug/l	98
85) sec-Butylbenzene	14.36	105	684500	21.847	ug/l	100
86) p-Isopropyltoluene	14.48	119	576192	22.498	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	273545	19.426	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	307479	22.221	ug/l	98
89) n-Butylbenzene	14.80	91	481233	19.567	ug/l	96
90) Hexachloroethane	15.00	117	155425	21.492	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	267565	22.793	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14428	19.865	ug/l	99

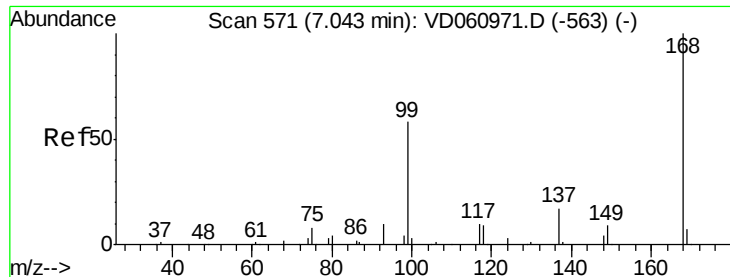
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031819\
Data File : VD061140.D
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Operator : VA/AP
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Quant Time: Mar 19 02:14:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : 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)
93) 1,2,4-Trichlorobenzene	15.94	180	123020	22.591	ug/l	99
94) Hexachlorobutadiene	16.04	225	85860	20.845	ug/l	97
95) Naphthalene	16.11	128	178918	21.621	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	58275	21.667	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

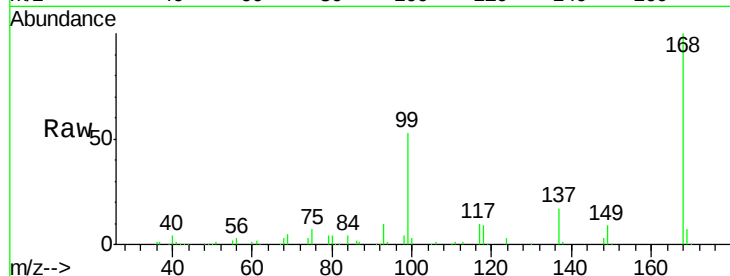
ClientSampled :

Tot Ion:168 Resp: 660642

Ion Ratio Lower Upper

168 100

99 53.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

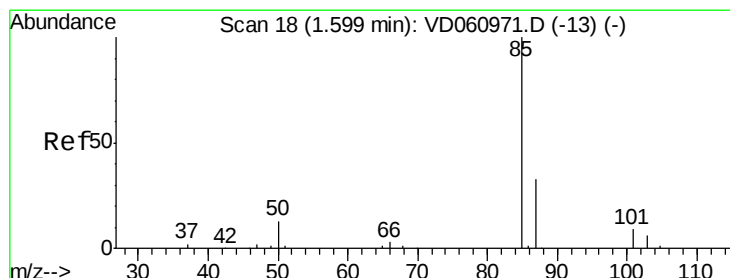
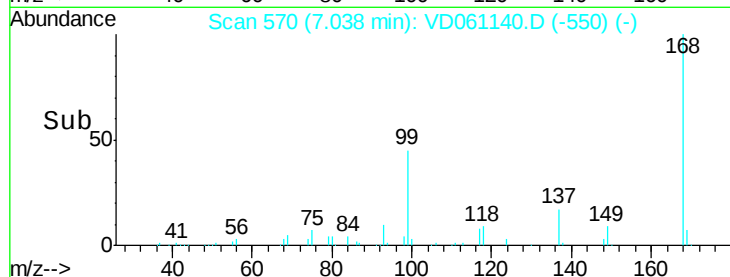
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 19.449 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.01 min

Lab File: VD061140.D

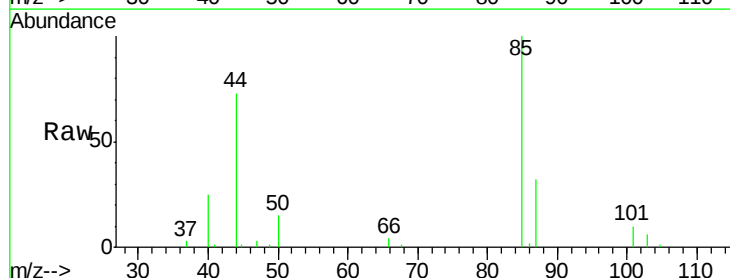
Acq: 18 Mar 2019 12:52

Tgt Ion: 85 Resp: 127275

Ion Ratio Lower Upper

85 100

87 31.6 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

30000

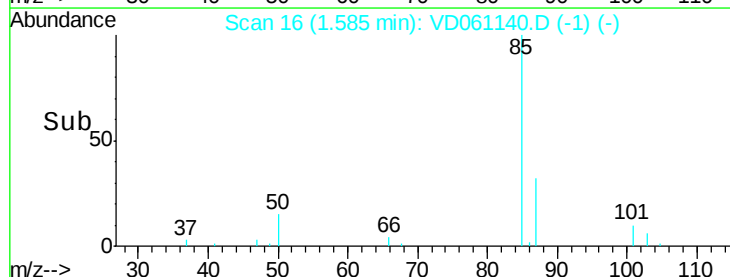
20000

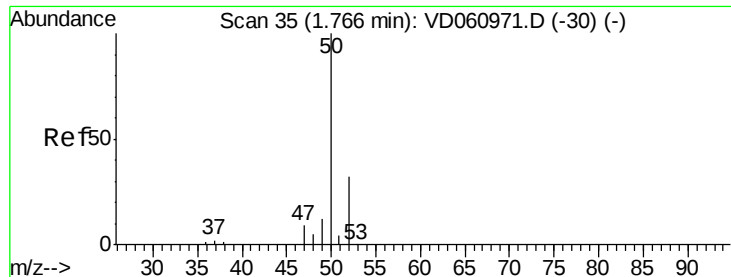
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 19.821 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

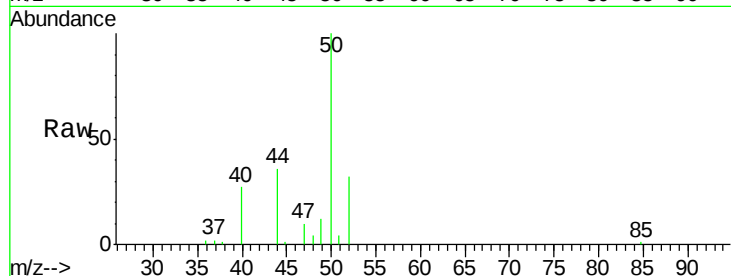
ClientSampleId :

Tot Ion: 50 Resp: 108051

Ion Ratio Lower Upper

50 100

52 31.5 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

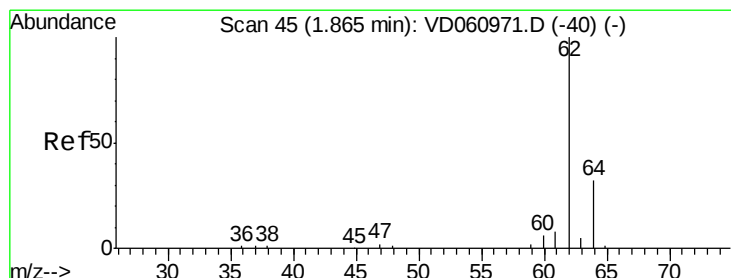
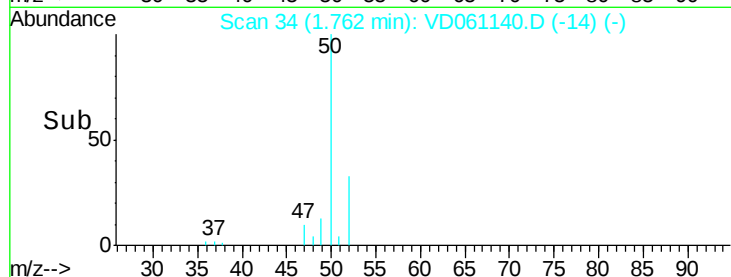
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 20.512 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.00 min

Lab File: VD061140.D

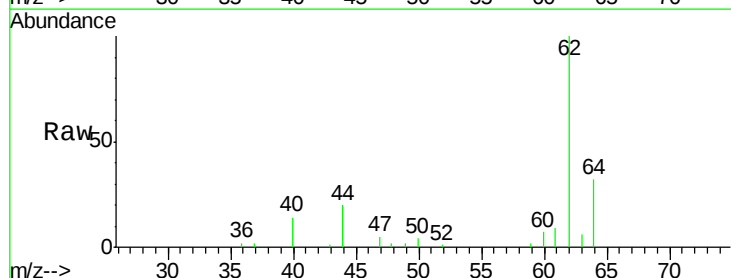
Acq: 18 Mar 2019 12:52

Tgt Ion: 62 Resp: 103325

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

50000

40000

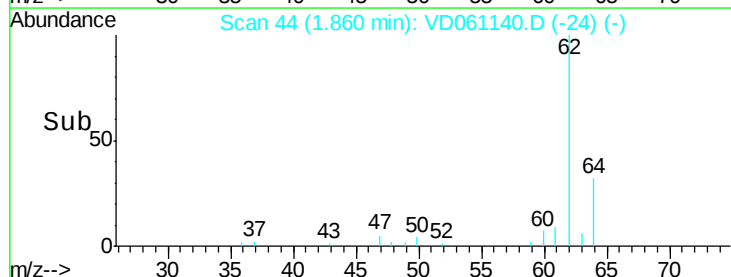
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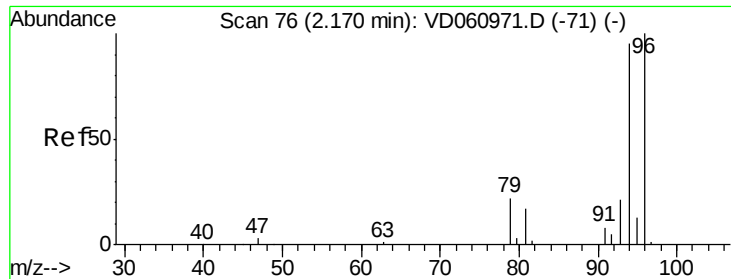
20000

10000

0

Time-->





#5

Bromomethane

Concen: 18.288 ug/l

RT: 2.16 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

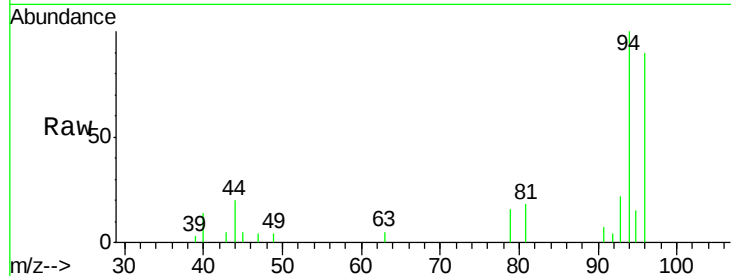
Tot Ion: 94 Resp: 18763

Ion Ratio Lower Upper

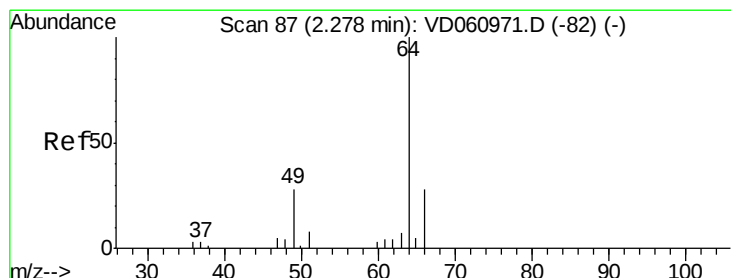
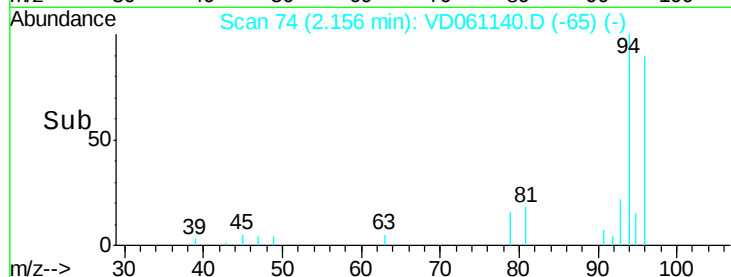
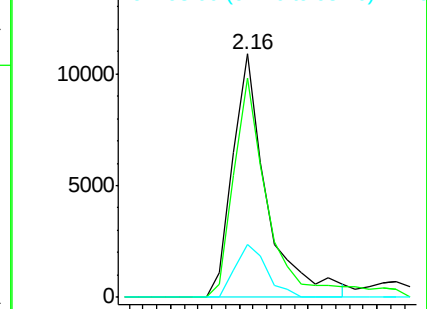
94 100

96 90.0 84.0 126.0

93 21.6 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 17.706 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VD061140.D

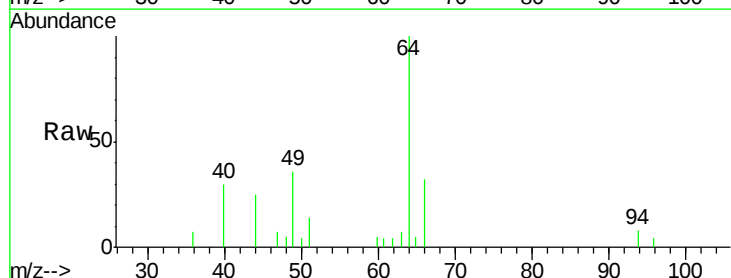
Acq: 18 Mar 2019 12:52

Tgt Ion: 64 Resp: 26697

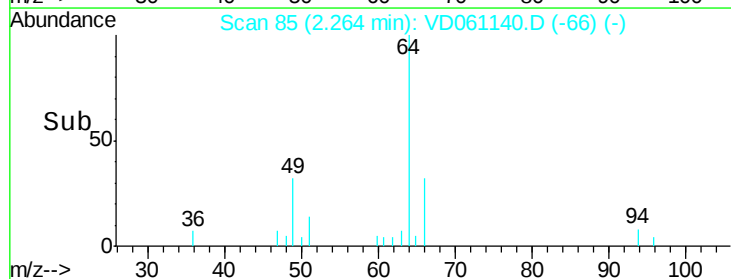
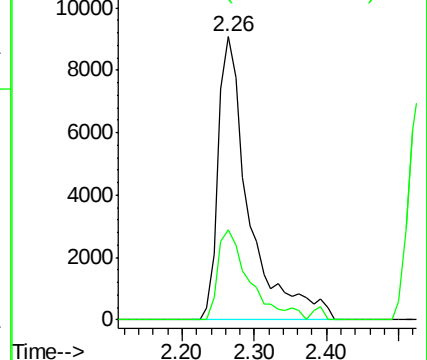
Ion Ratio Lower Upper

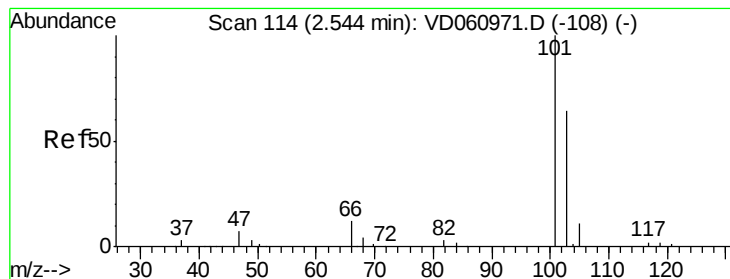
64 100

66 31.7 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



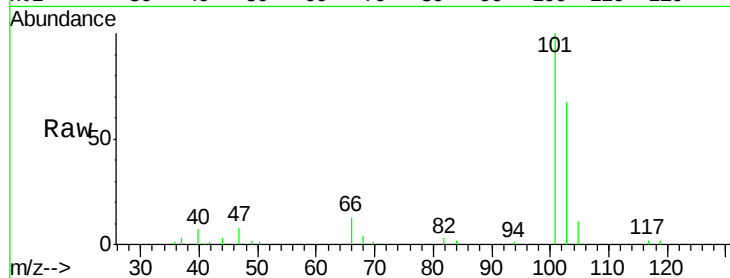


#7

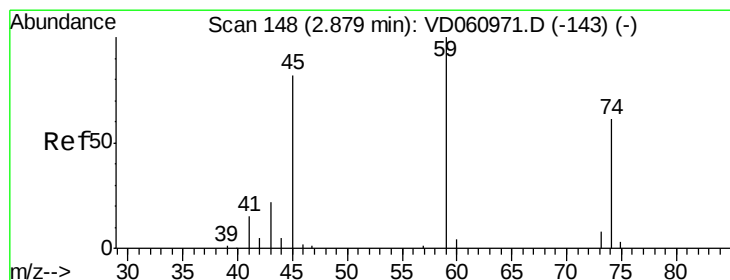
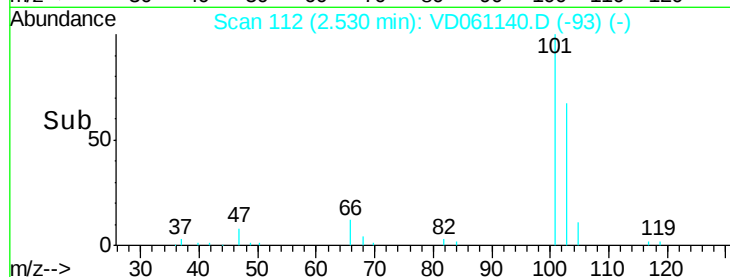
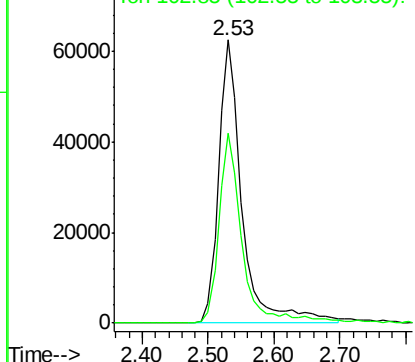
Trichlorofluoromethane
Concen: 21.336 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.01 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 154395
Ion Ratio Lower Upper
101 100
103 67.1 51.2 76.8



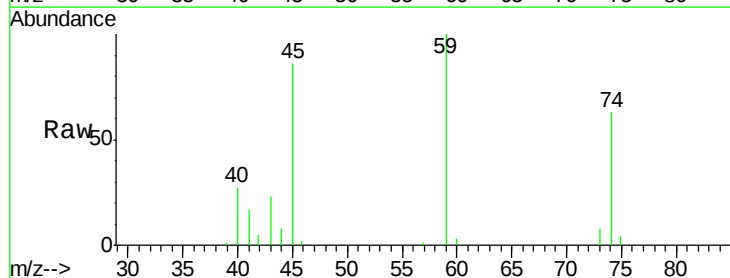
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



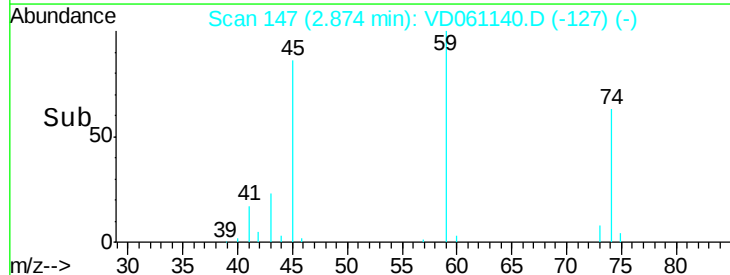
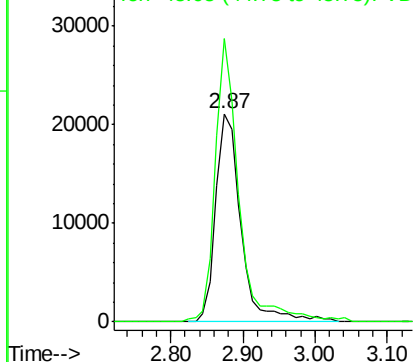
#8

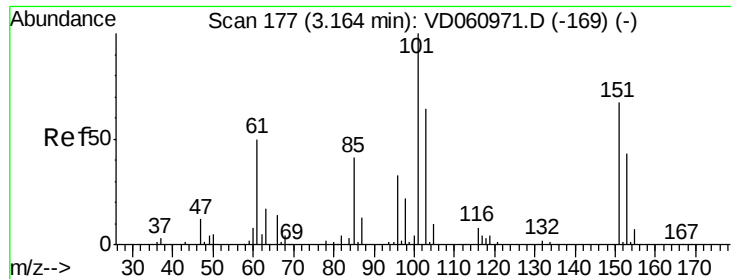
Diethyl Ether
Concen: 21.428 ug/l
RT: 2.87 min Scan# 147
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion: 74 Resp: 51152
Ion Ratio Lower Upper
74 100
45 135.9 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: 21.275 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

ClientSampled :

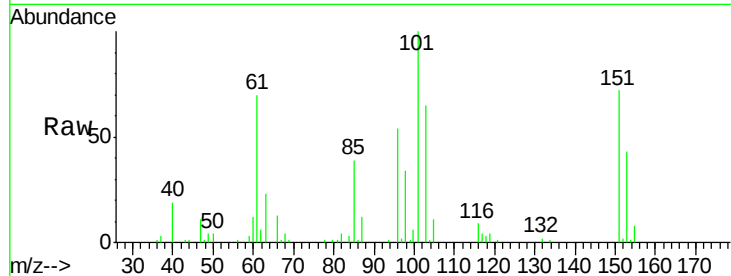
Tot Ion:101 Resp: 172120

Ion Ratio Lower Upper

101 100

85 39.3 32.5 48.7

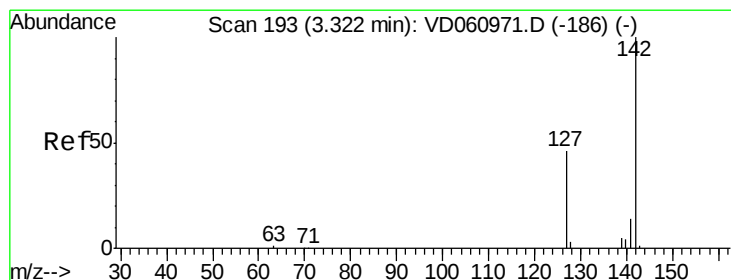
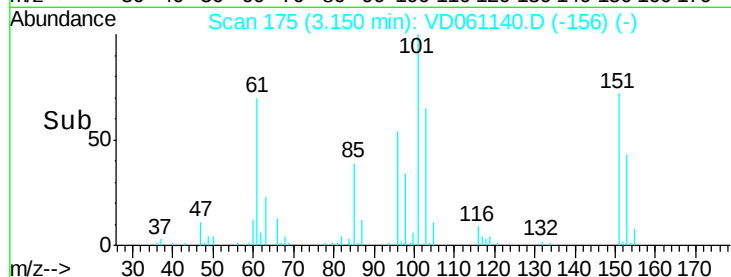
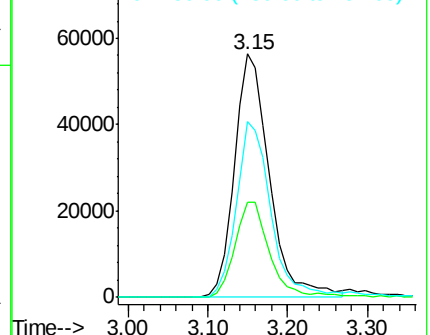
151 72.0 53.3 79.9



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: 20.200 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

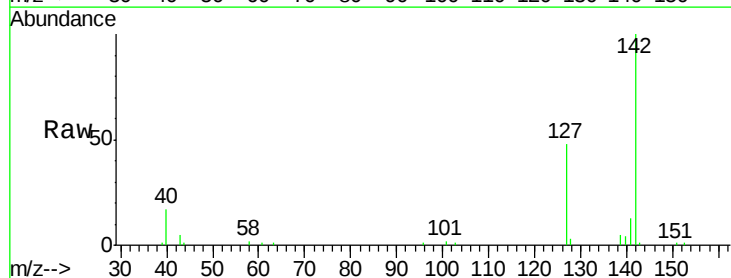
Tgt Ion:142 Resp: 204360

Ion Ratio Lower Upper

142 100

127 47.7 36.8 55.2

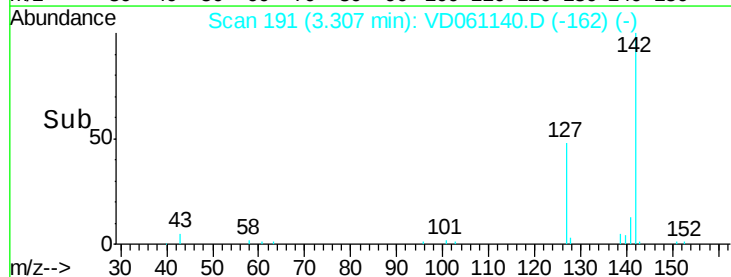
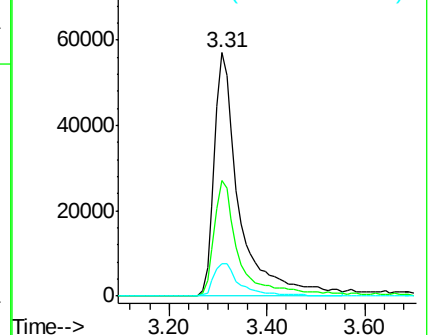
141 13.2 11.2 16.8

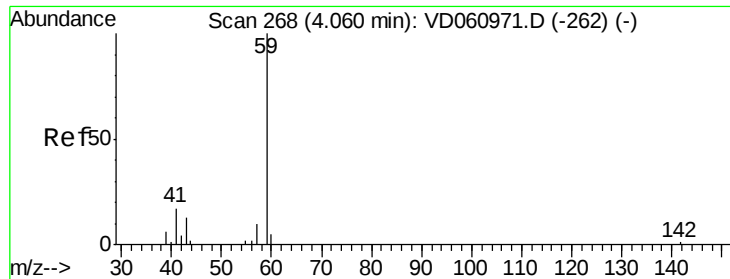


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



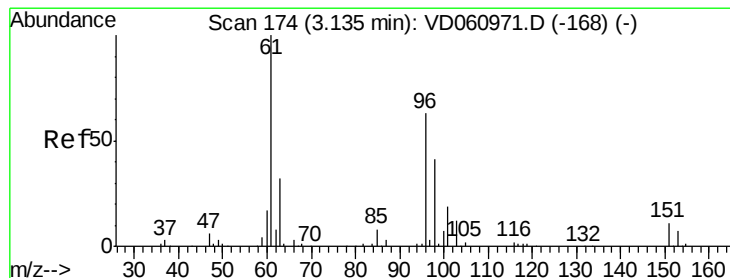
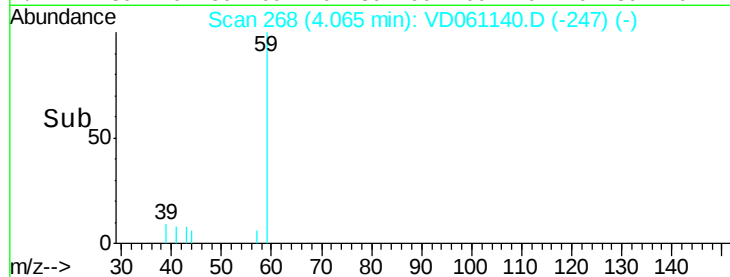
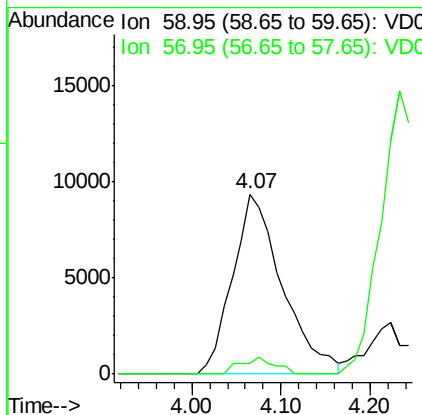
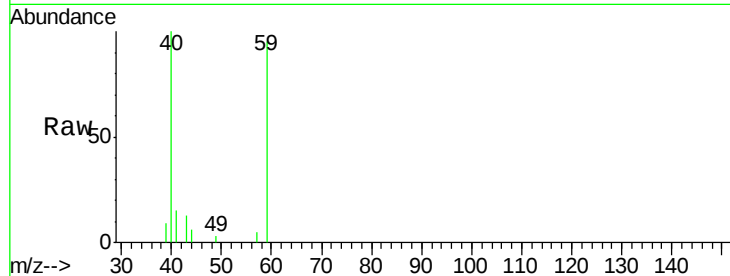


#11

Tert butyl alcohol
Concen: 103.741 ug/l
RT: 4.07 min Scan# 268
Delta R.T. 0.01 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Instrument :
MSVOA_D
ClientSampled :

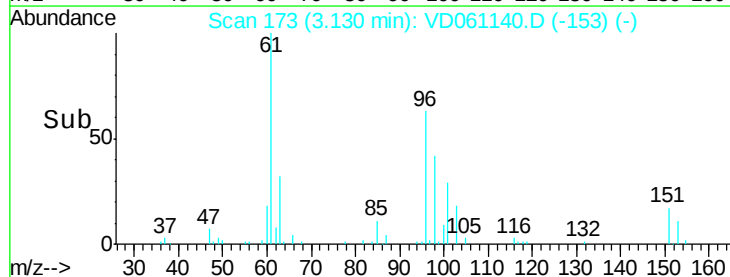
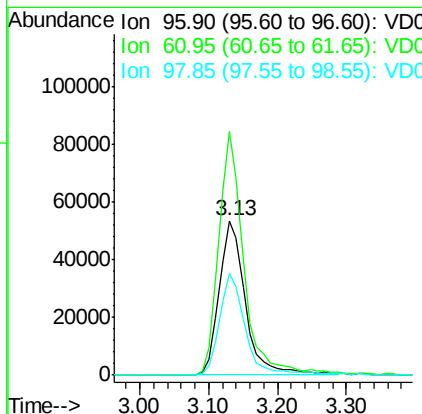
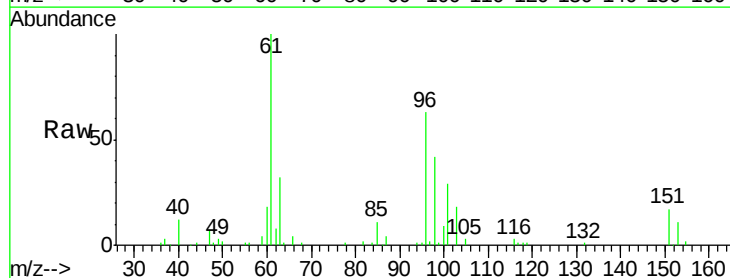
Tot Ion: 59 Resp: 36318
Ion Ratio Lower Upper
59 100
57 5.7 7.1 10.7#

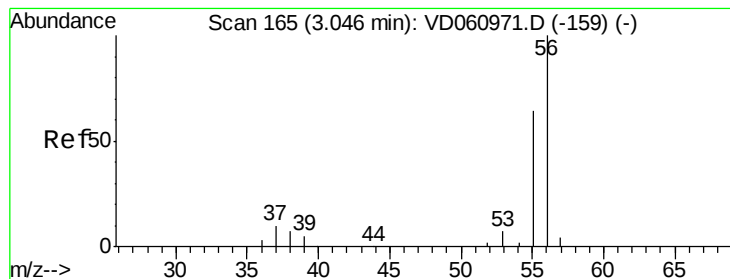


#12

1,1-Dichloroethene
Concen: 21.425 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion: 96 Resp: 142083
Ion Ratio Lower Upper
96 100
61 158.0 127.1 190.7
98 65.9 51.5 77.3





#13

Acrolein

Concen: 73.795 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

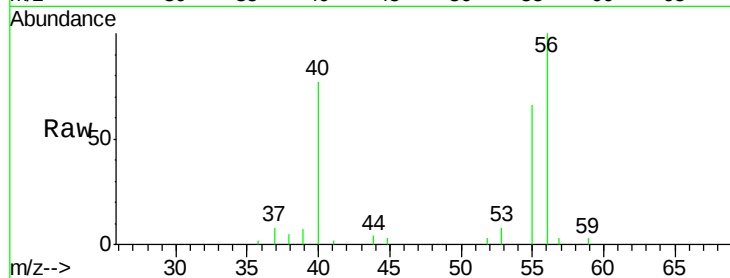
ClientSampled :

Tot Ion: 56 Resp: 37380

Ion Ratio Lower Upper

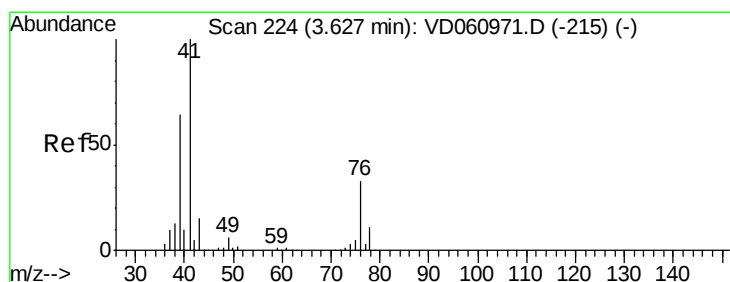
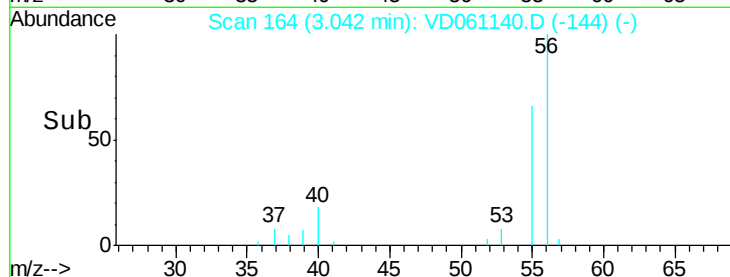
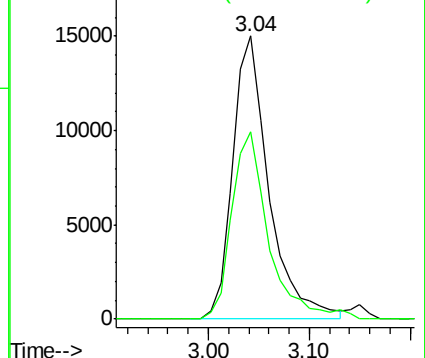
56 100

55 66.4 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.103 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

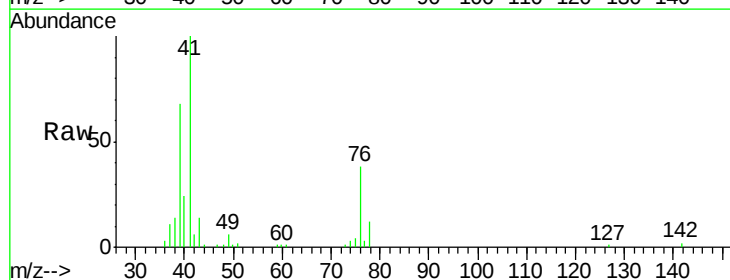
Tgt Ion: 41 Resp: 213296

Ion Ratio Lower Upper

41 100

39 67.8 51.1 76.7

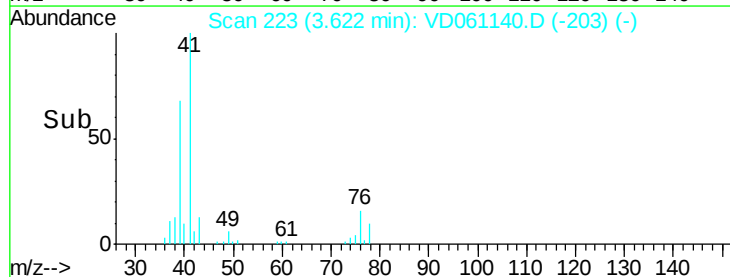
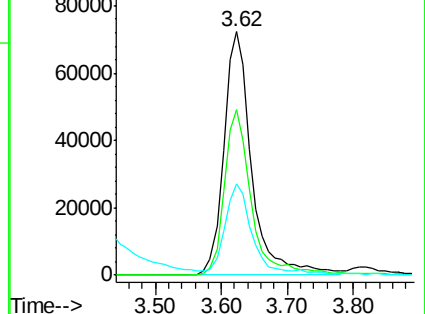
76 37.7 29.1 43.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 108.344 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :
MSVOA_D
ClientSampleId :

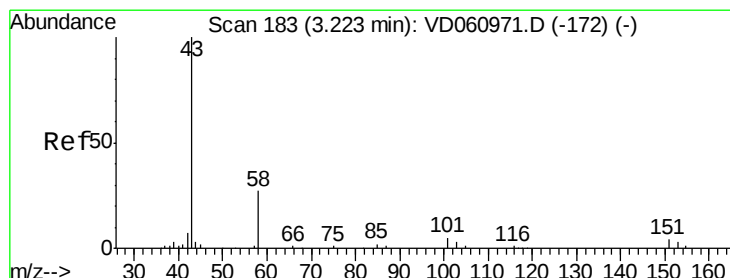
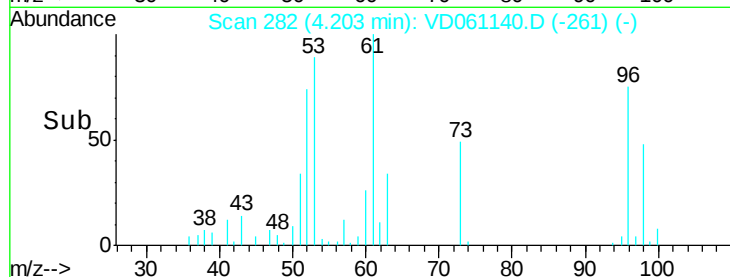
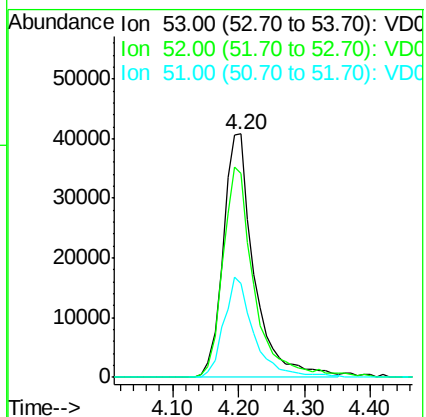
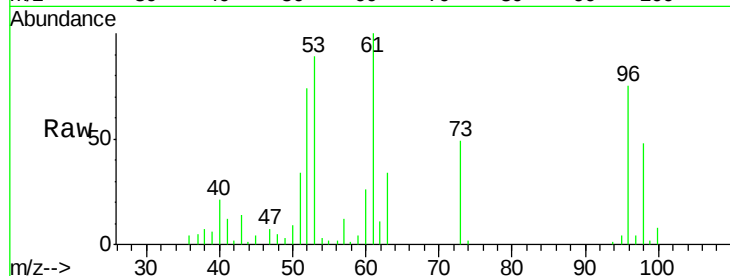
Tot Ion: 53 Resp: 134054

Ion Ratio Lower Upper

53 100

52 83.7 70.2 105.4

51 38.6 31.7 47.5



#16

Acetone

Concen: 106.850 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061140.D

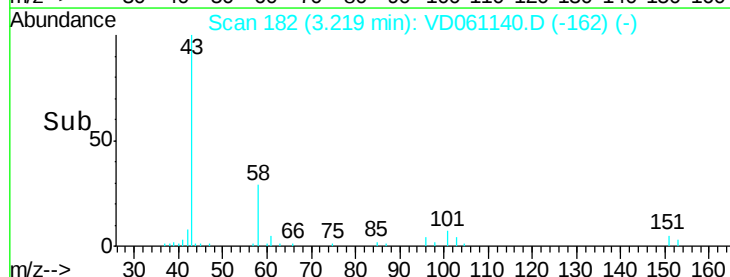
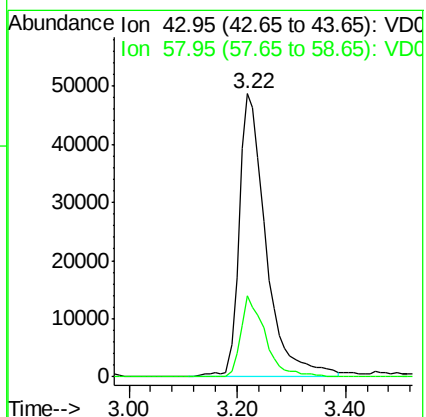
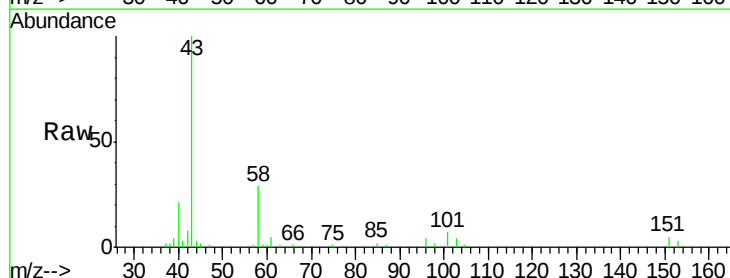
Acq: 18 Mar 2019 12:52

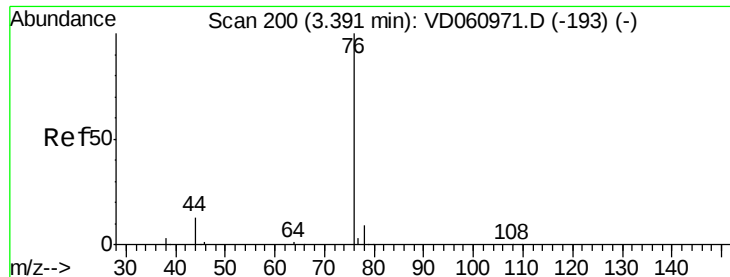
Tgt Ion: 43 Resp: 168023

Ion Ratio Lower Upper

43 100

58 28.8 21.6 32.4

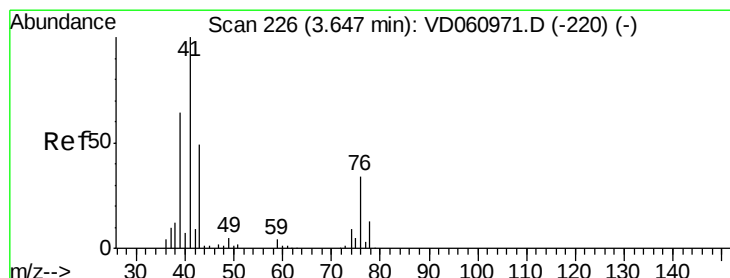
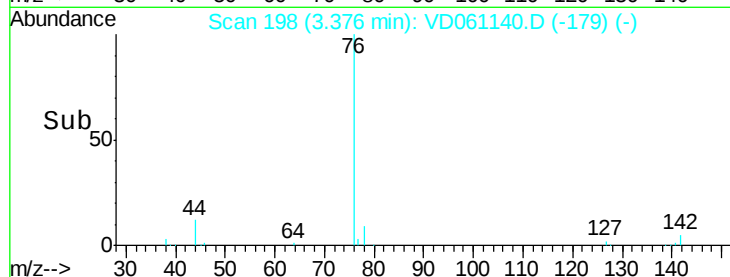
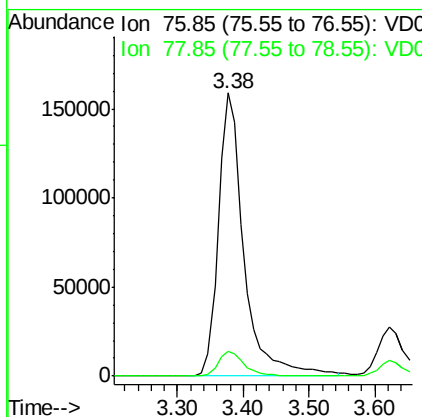
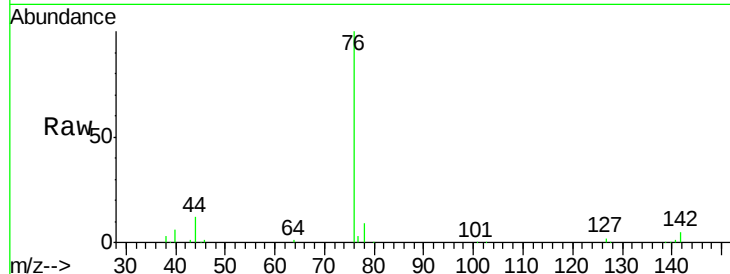




#17
Carbon Disulfide
Concen: 19.146 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

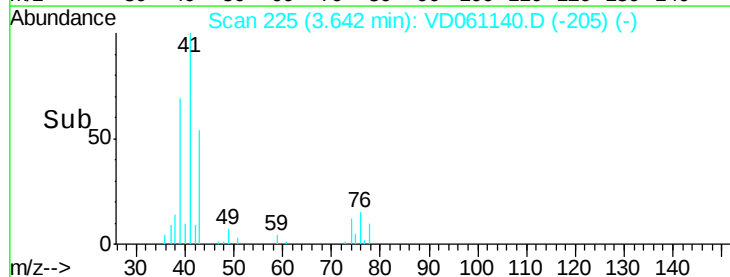
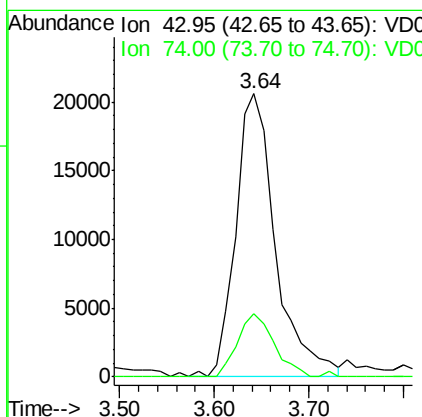
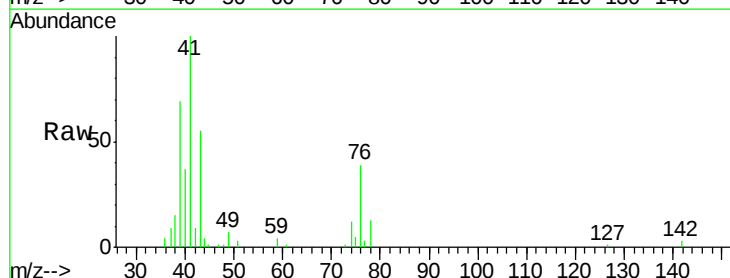
Instrument :
MSVOA_D
ClientSampleId :

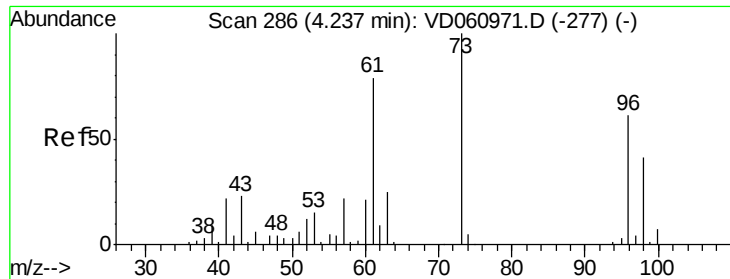
Tot Ion: 76 Resp: 428295
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#18
Methyl Acetate
Concen: 19.399 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion: 43 Resp: 60033
Ion Ratio Lower Upper
43 100
74 22.2 14.6 21.8#

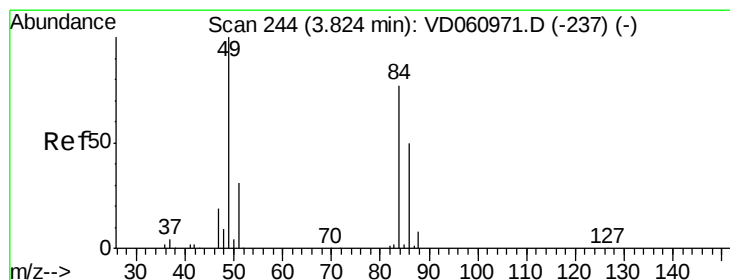
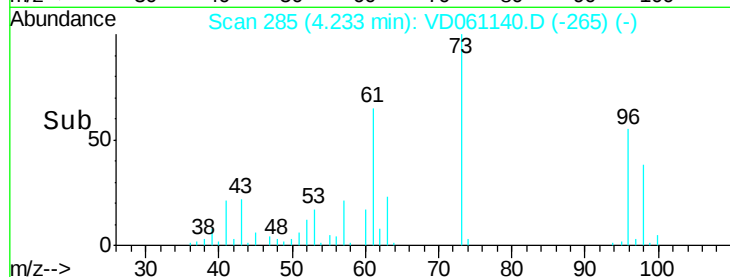
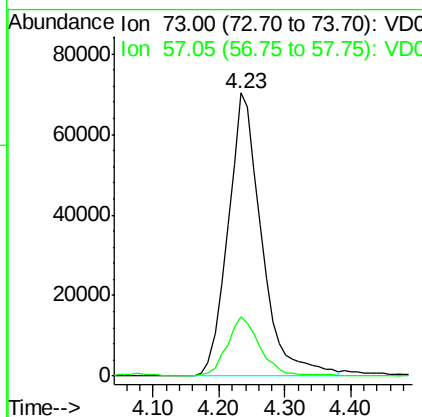
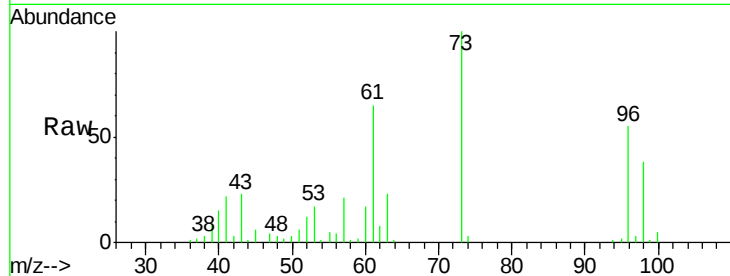




#19
Methyl tert-butyl Ether
Concen: 21.628 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

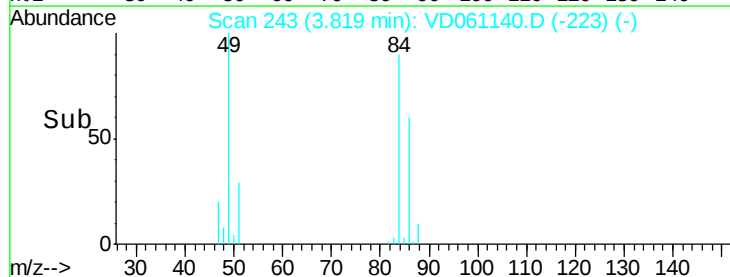
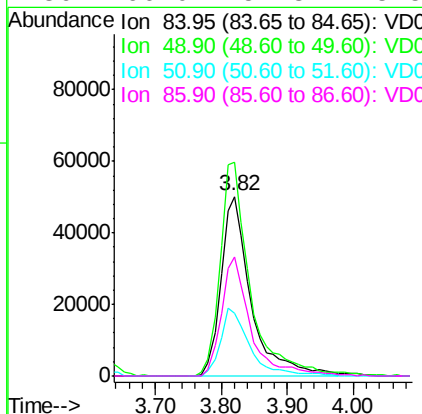
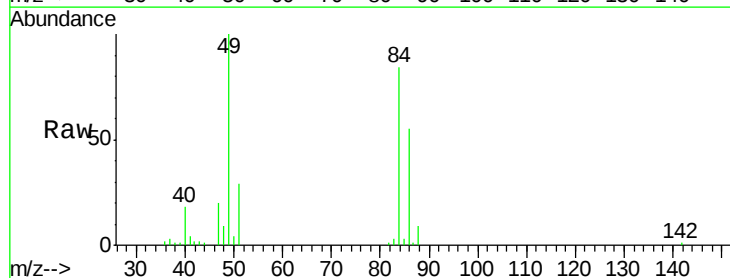
Instrument :
MSVOA_D
ClientSampled :

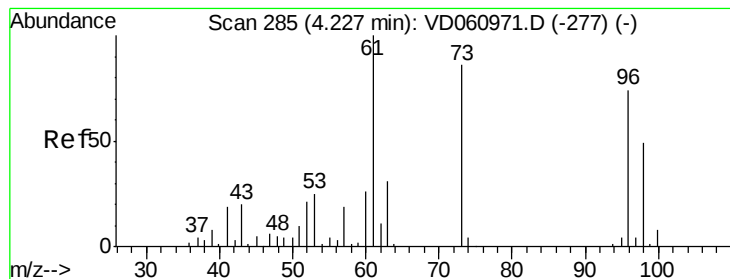
Tot Ion: 73 Resp: 251362
Ion Ratio Lower Upper
73 100
57 20.9 17.7 26.5



#20
Methylene Chloride
Concen: 19.472 ug/l
RT: 3.82 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion: 84 Resp: 160030
Ion Ratio Lower Upper
84 100
49 119.0 104.2 156.2
51 34.8 32.3 48.5
86 66.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.634 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

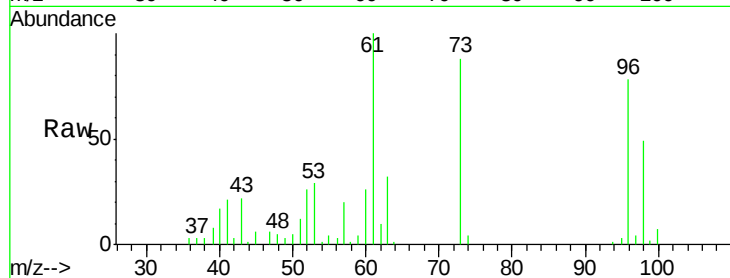
Tot Ion: 96 Resp: 148103

Ion Ratio Lower Upper

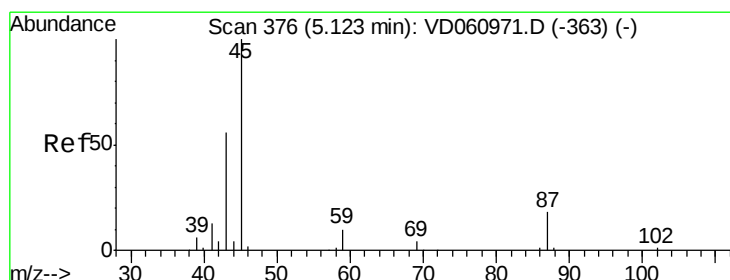
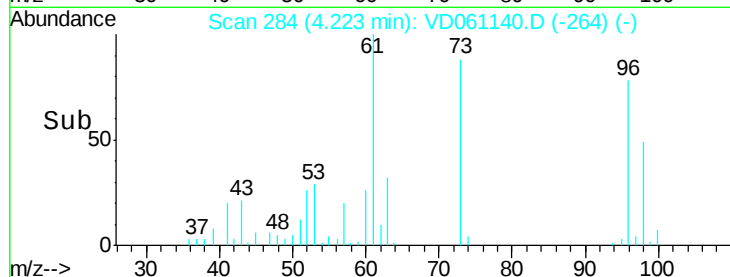
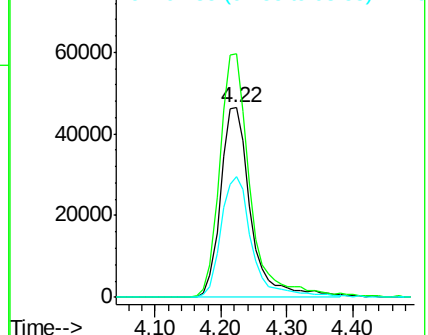
96 100

61 128.3 108.4 162.6

98 63.5 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: 20.753 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Tgt Ion: 45 Resp: 457114

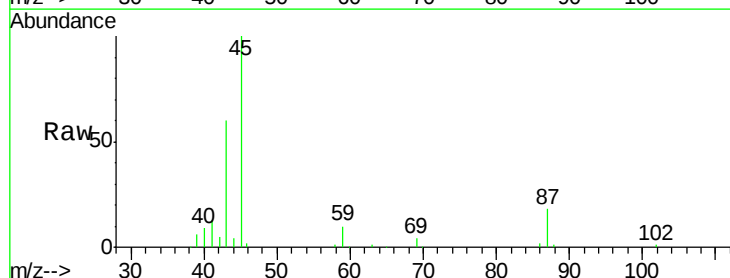
Ion Ratio Lower Upper

45 100

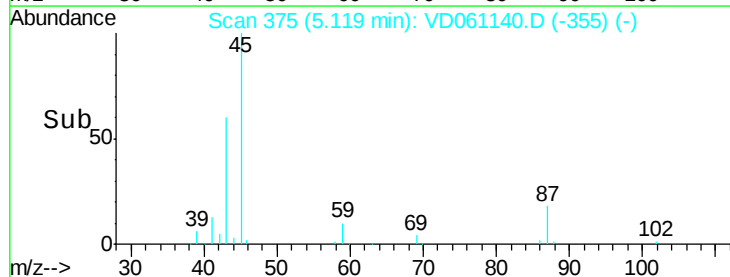
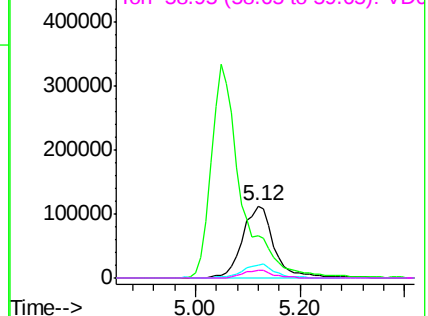
43 59.7 45.8 68.8

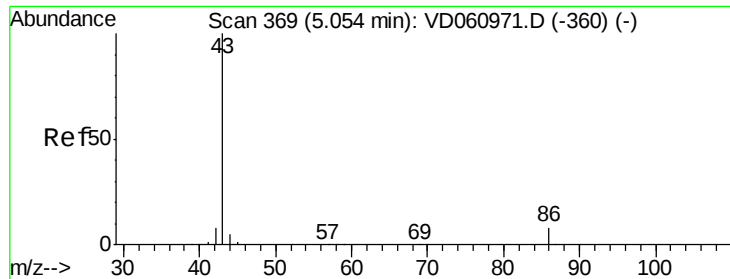
87 18.2 14.9 22.3

59 10.5 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: 115.652 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

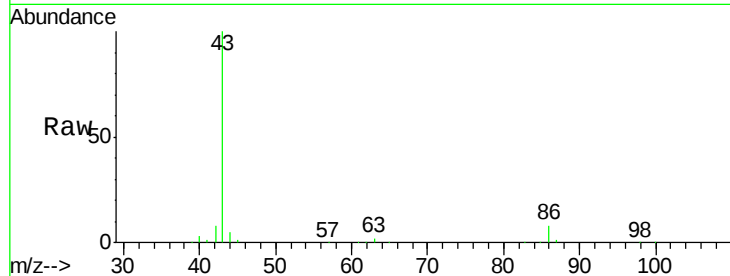
ClientSampleId :

Tot Ion: 43 Resp: 1307670

Ion Ratio Lower Upper

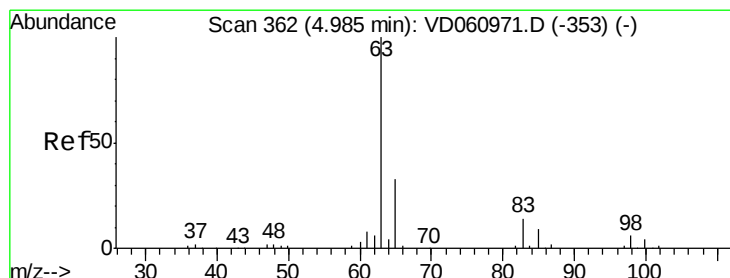
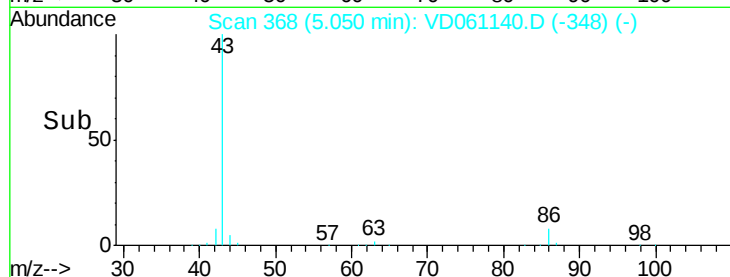
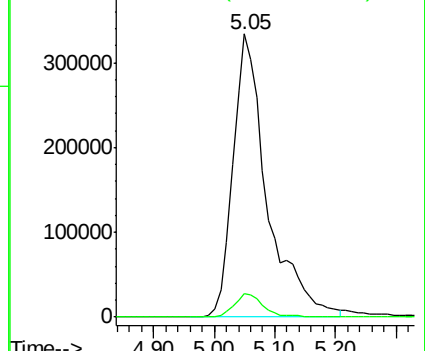
43 100

86 8.4 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.572 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

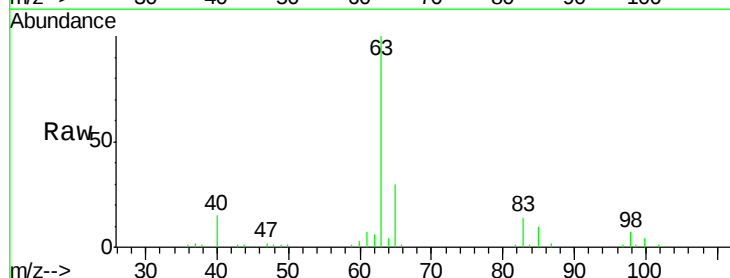
Tgt Ion: 63 Resp: 272400

Ion Ratio Lower Upper

63 100

98 7.2 3.0 9.2

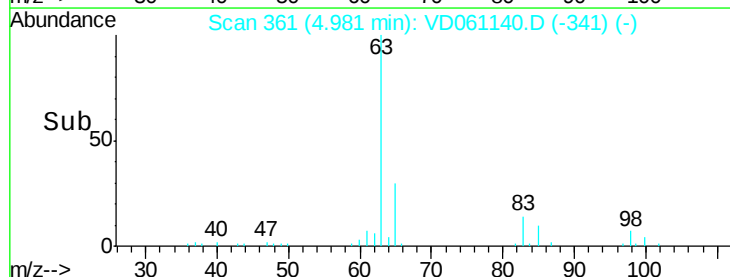
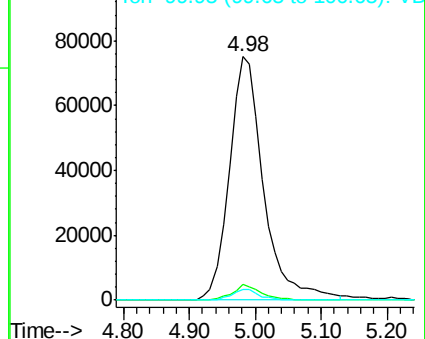
100 4.2 2.0 5.8

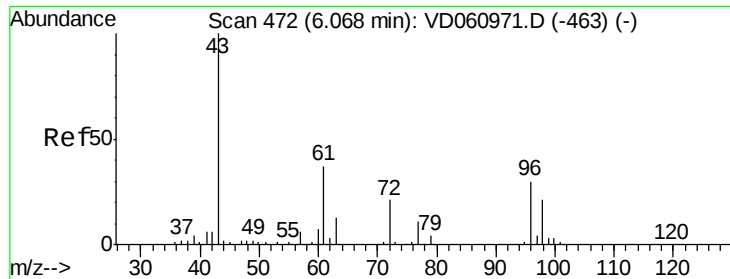


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 113.342 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

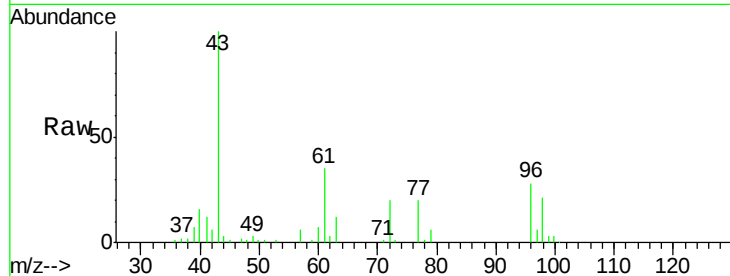
ClientSampleId :

Tot Ion: 43 Resp: 202243

Ion Ratio Lower Upper

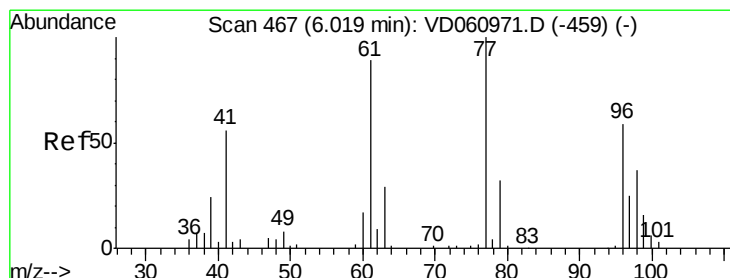
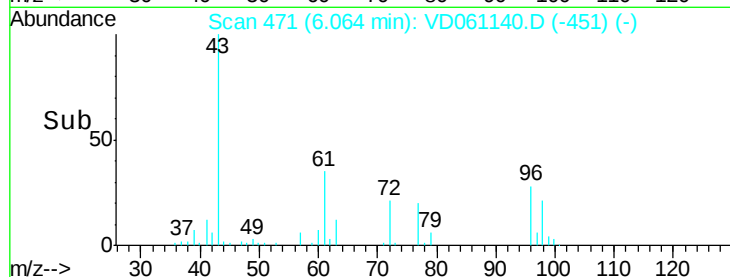
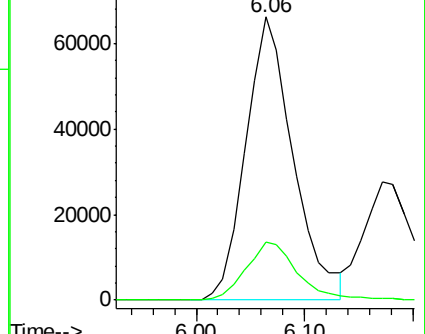
43 100

72 20.5 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: 21.886 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.00 min

Lab File: VD061140.D

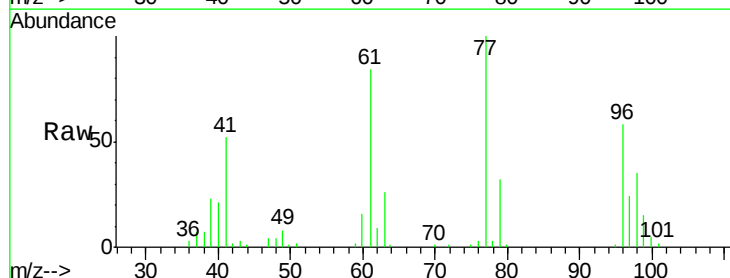
Acq: 18 Mar 2019 12:52

Tgt Ion: 77 Resp: 206192

Ion Ratio Lower Upper

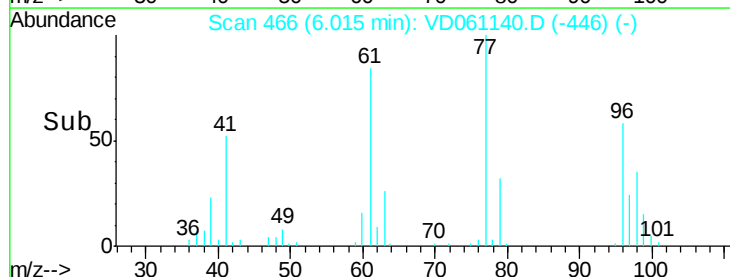
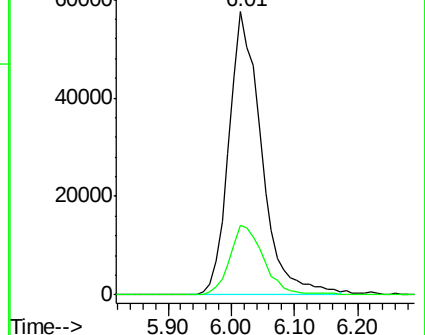
77 100

97 24.5 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



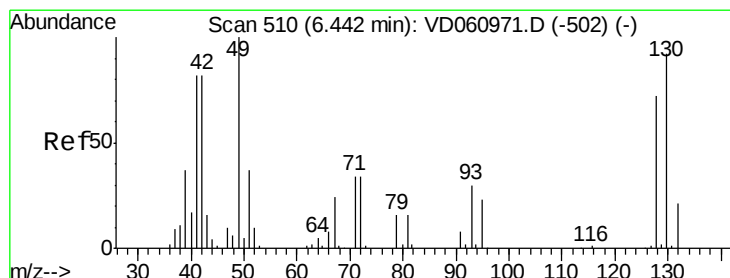
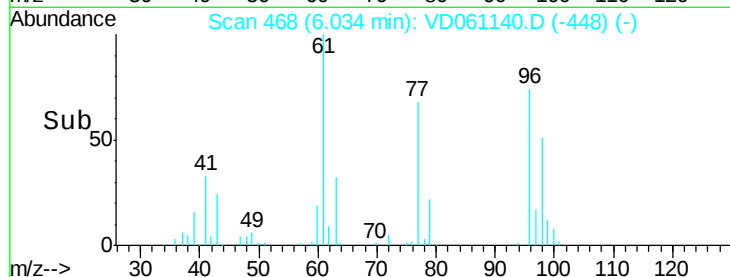
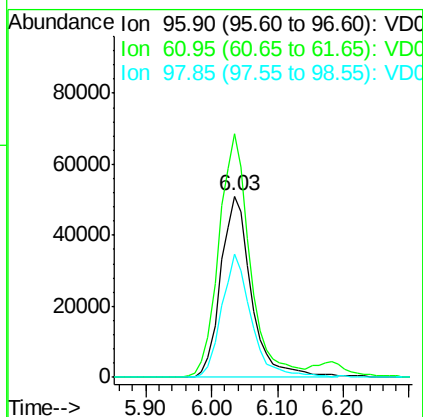
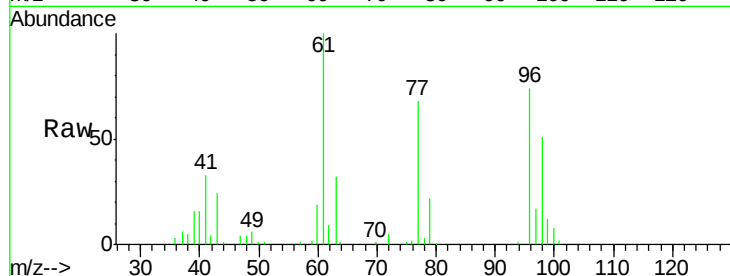


#27

cis-1,2-Dichloroethene
Concen: 21.766 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Instrument :
MSVOA_D
ClientSampled :

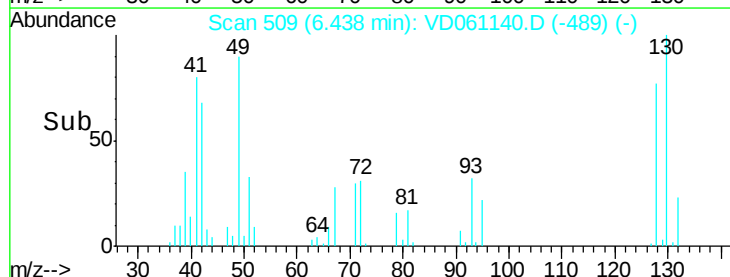
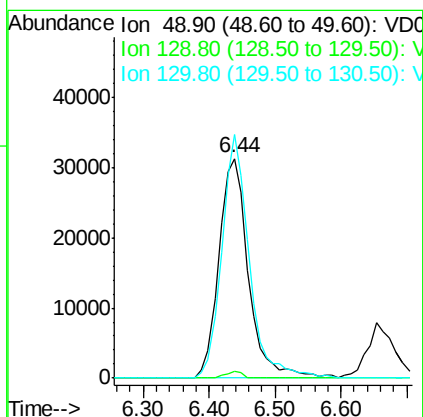
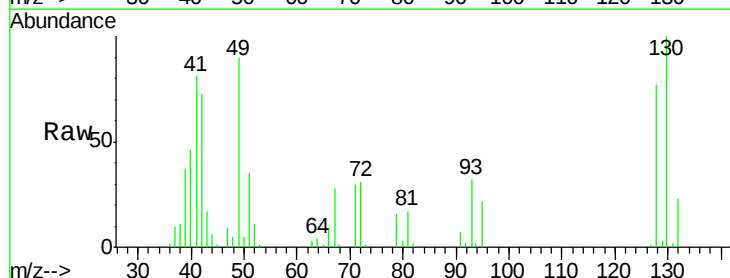
Tot Ion: 96 Resp: 165762
Ion Ratio Lower Upper
96 100
61 134.4 0.0 273.6
98 68.3 0.0 132.6



#28

Bromochloromethane
Concen: 19.191 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion: 49 Resp: 98048
Ion Ratio Lower Upper
49 100
129 2.9 0.0 4.0
130 111.0 73.8 110.8#





#29

Tetrahydrofuran

Concen: 103.158 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

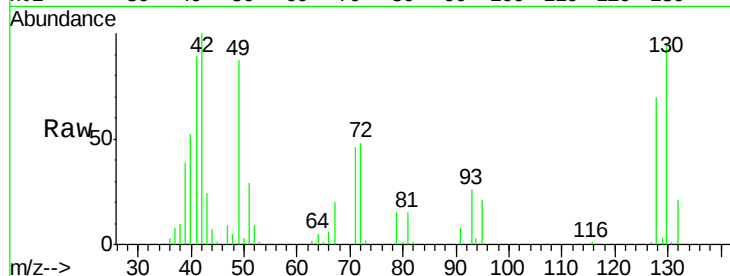
Tot Ion: 42 Resp: 99951

Ion Ratio Lower Upper

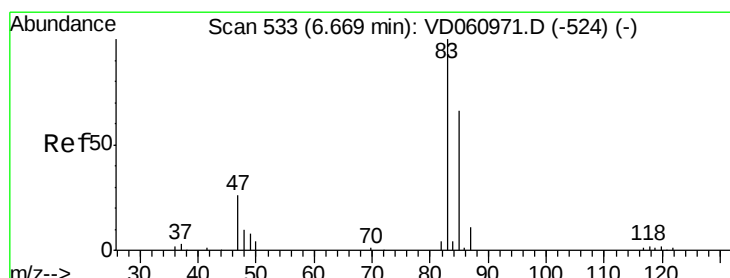
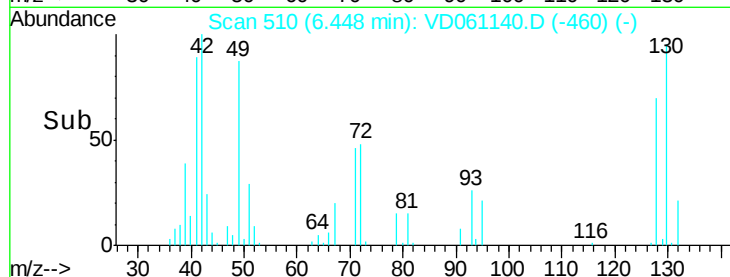
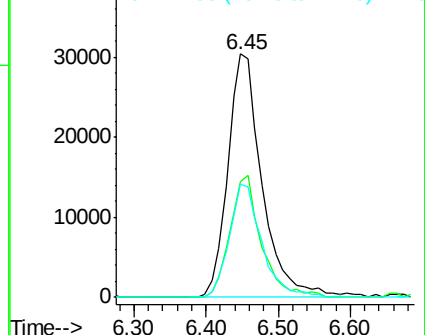
42 100

72 46.1 34.5 51.7

71 44.3 33.8 50.6



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 22.300 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.00 min

Lab File: VD061140.D

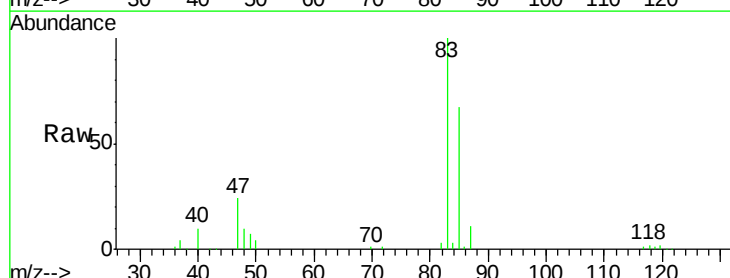
Acq: 18 Mar 2019 12:52

Tgt Ion: 83 Resp: 278917

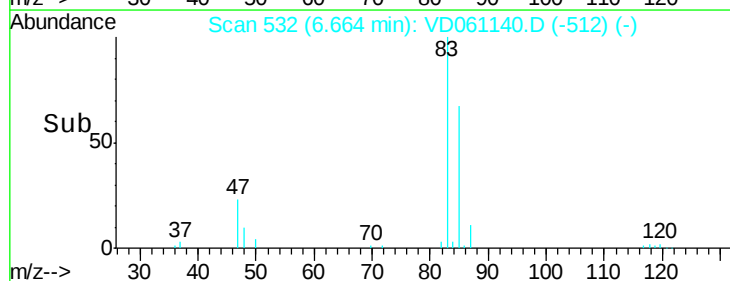
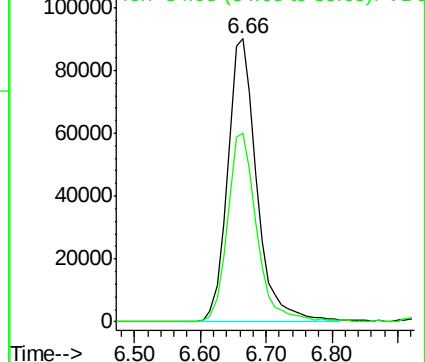
Ion Ratio Lower Upper

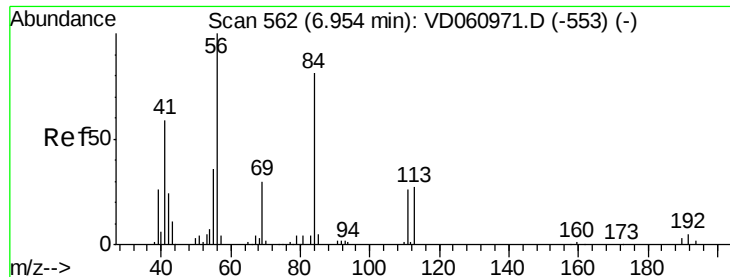
83 100

85 66.6 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

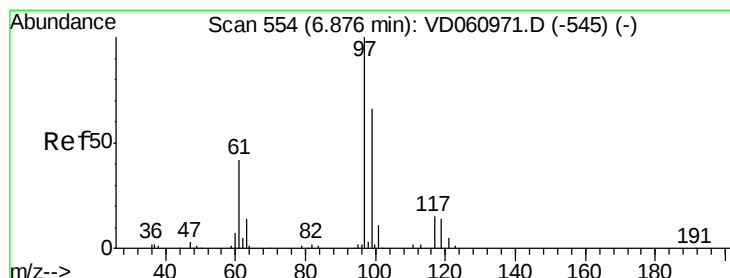
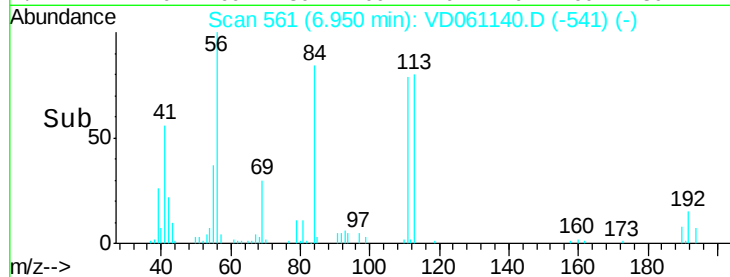
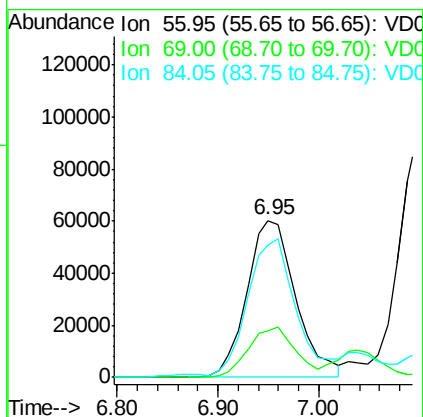
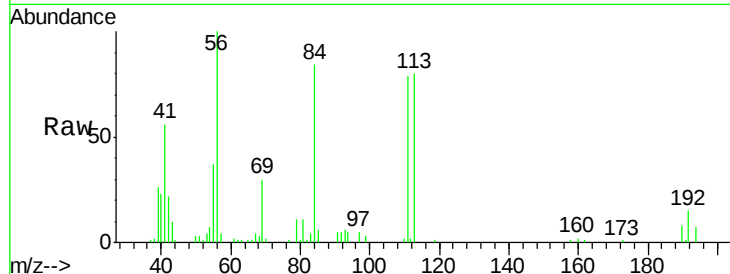




#31
Cyclohexane
Concen: 20.775 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

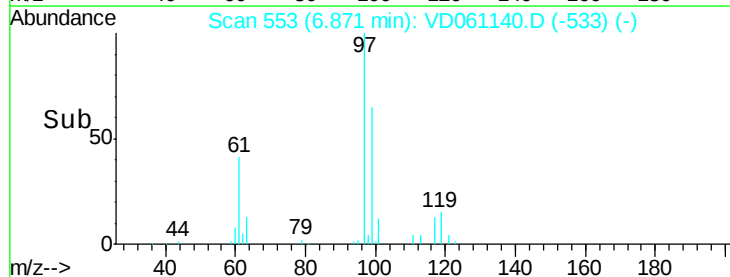
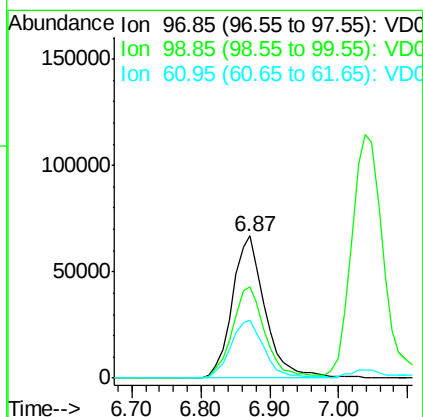
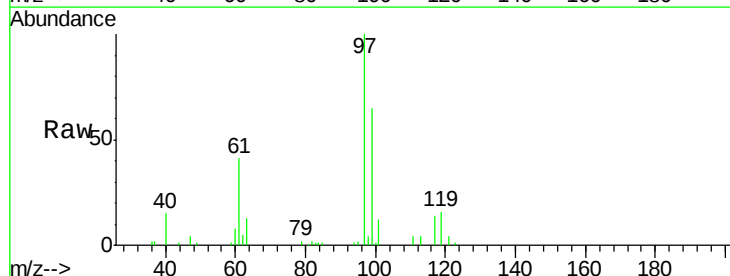
Instrument :
MSVOA_D
ClientSampleId :

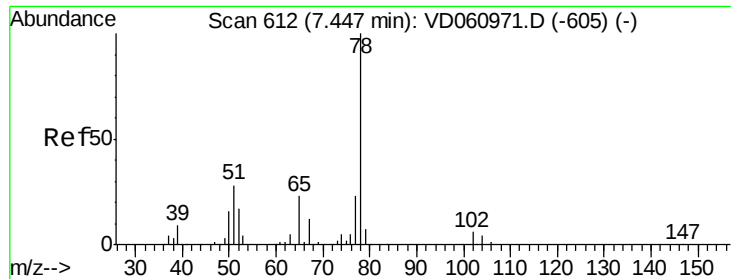
Tot Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.0	36.0
84	84.0	65.8	98.6



#32
1,1,1-Trichloroethane
Concen: 20.378 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	53.2	79.8
61	40.9	33.8	50.8

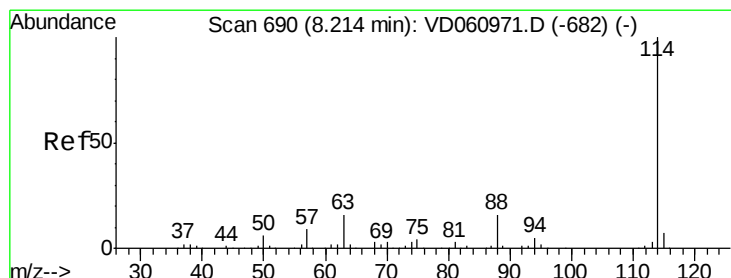
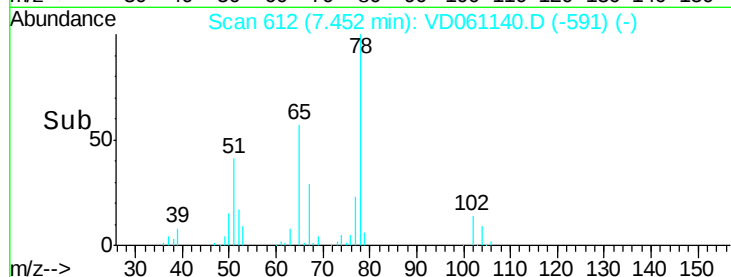
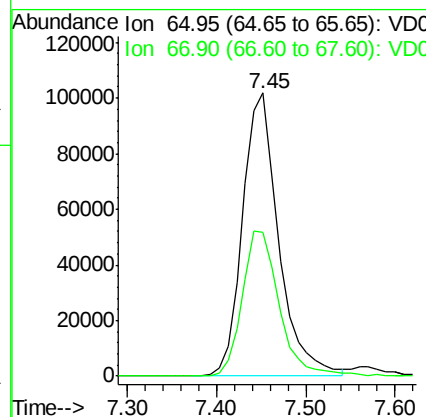
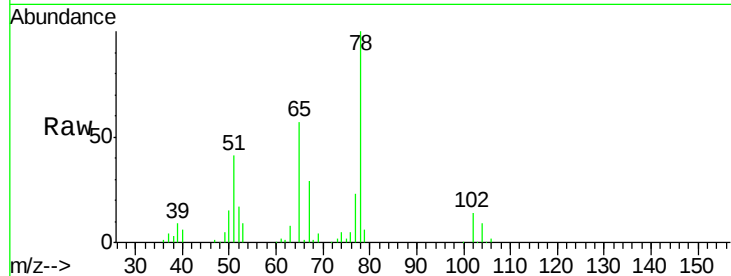




#33
 1,2-Dichloroethane-d4
 Concen: 20.378 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

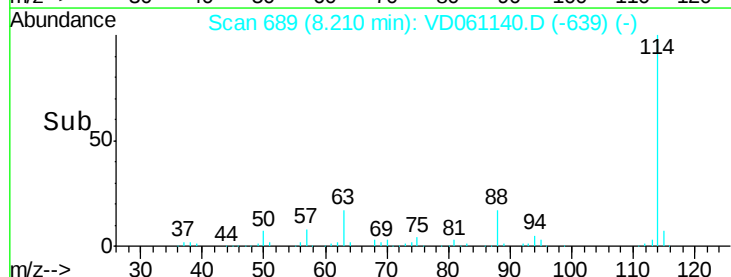
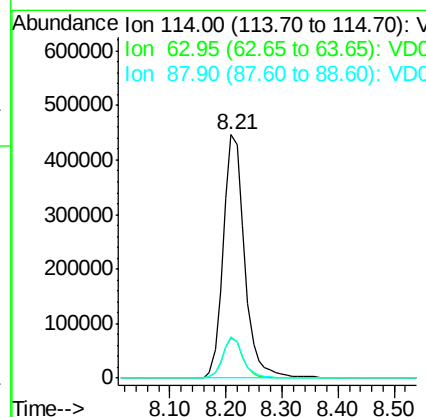
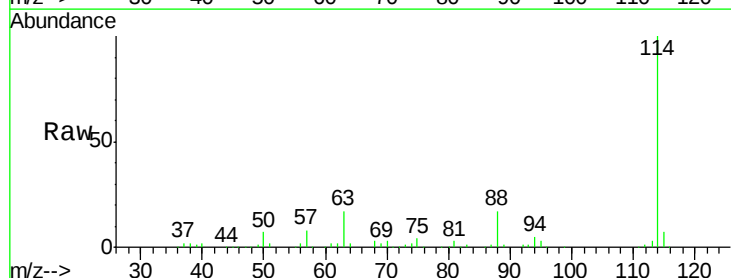
Instrument :
 MSVOA_D
 ClientSampled :

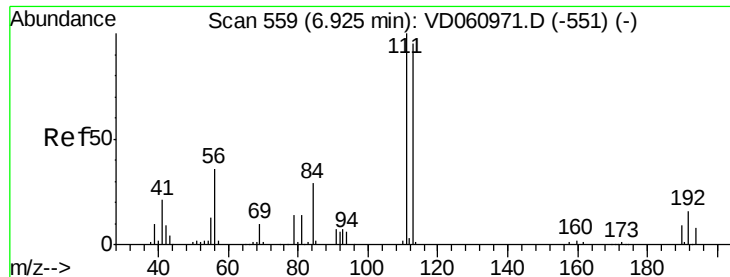
Tot Ion: 65 Resp: 285703
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

Tgt Ion: 114 Resp: 1190648
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.4
 88 16.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

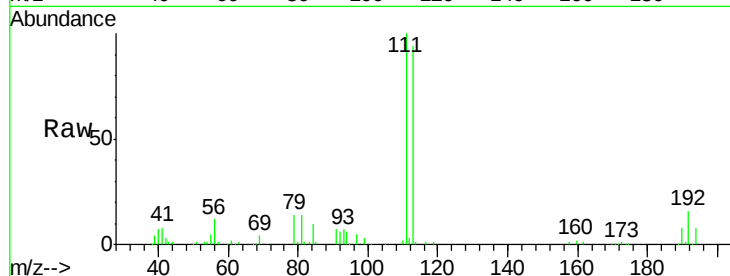
Tot Ion:113 Resp: 447208

Ion Ratio Lower Upper

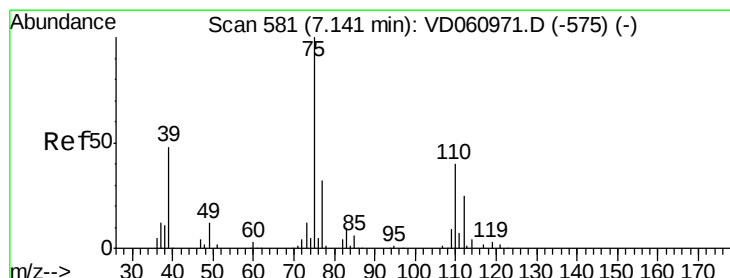
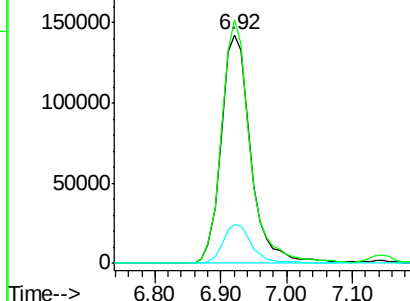
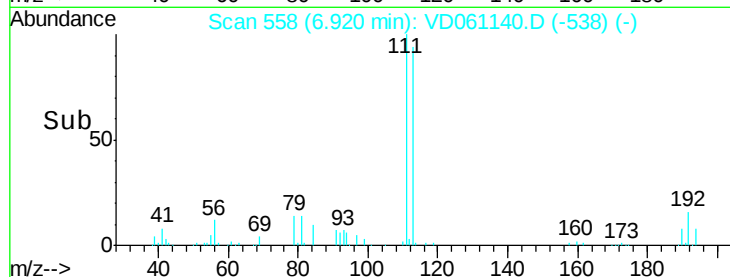
113 100

111 106.7 84.2 126.4

192 17.2 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: 20.071 ug/l

RT: 7.14 min Scan# 580

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

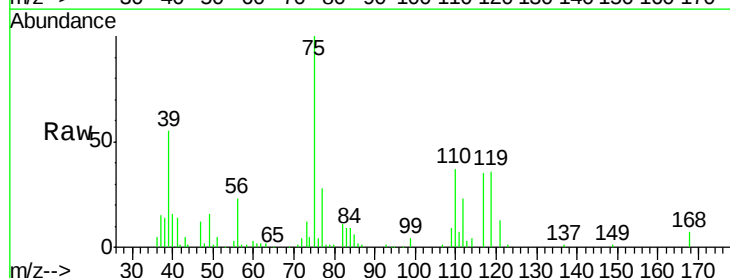
Tgt Ion: 75 Resp: 205993

Ion Ratio Lower Upper

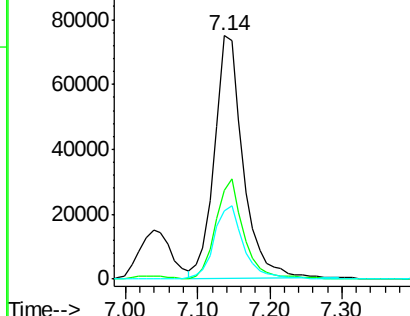
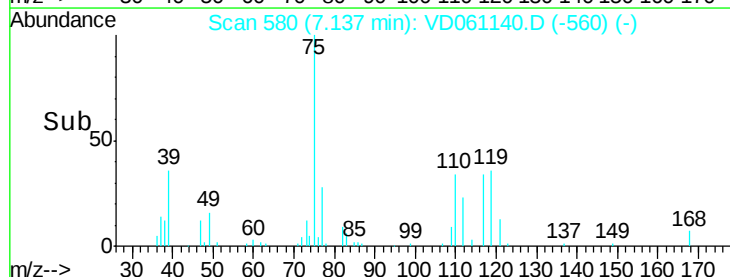
75 100

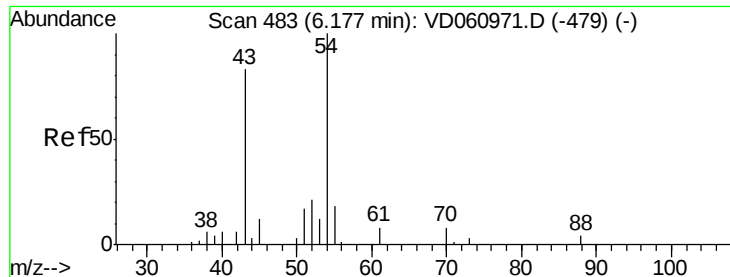
110 36.5 19.7 59.1

77 28.1 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

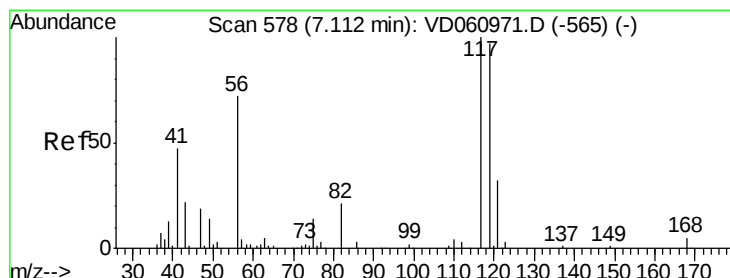
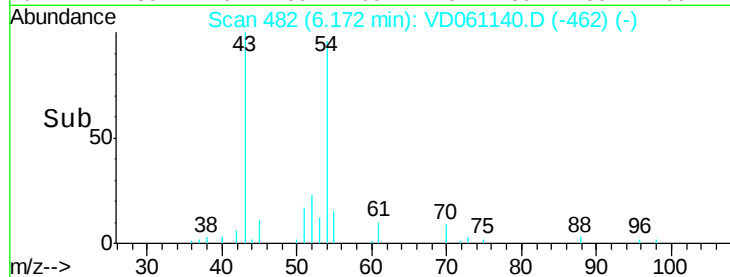
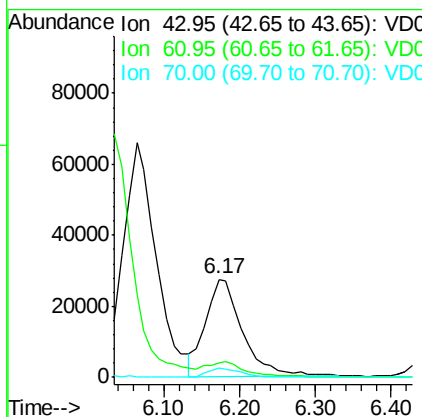
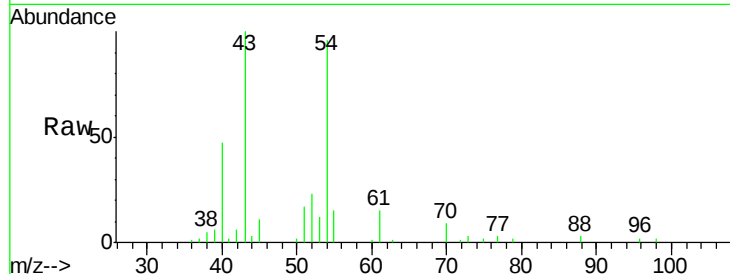




#37
Ethyl Acetate
Concen: 19.034 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

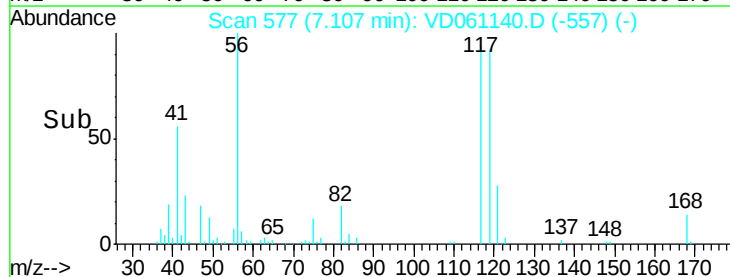
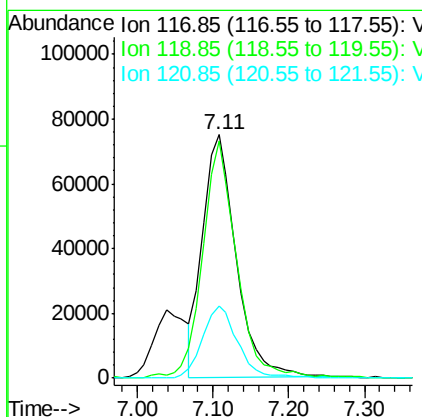
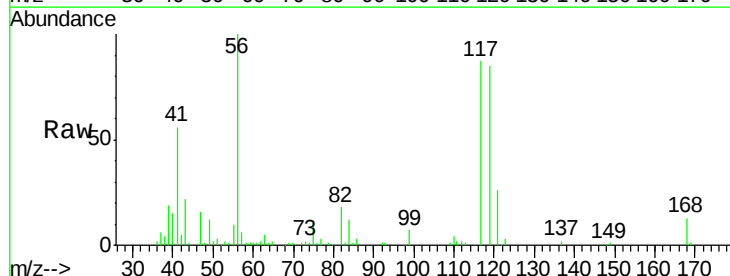
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 91669
Ion Ratio Lower Upper
43 100
61 14.7 13.7 20.5
70 9.0 7.1 10.7



#38
Carbon Tetrachloride
Concen: 20.408 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion: 117 Resp: 230716
Ion Ratio Lower Upper
117 100
119 97.3 77.8 116.8
121 29.5 25.3 37.9





#39

Methvlcvclohexane

Concen: 20.242 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

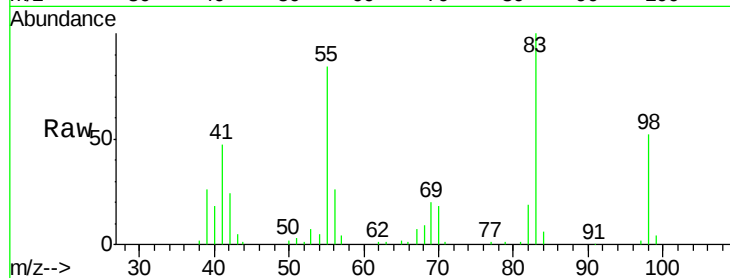
Tot Ion: 83 Resp: 215414

Ion Ratio Lower Upper

83 100

55 84.1 69.6 104.4

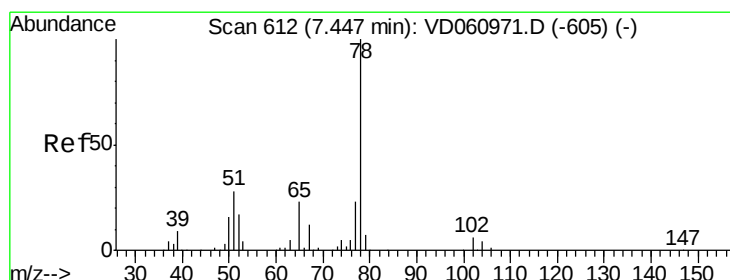
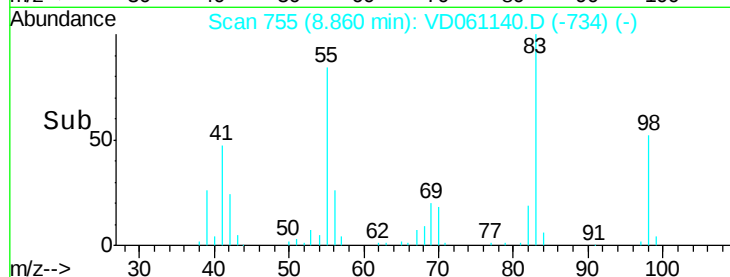
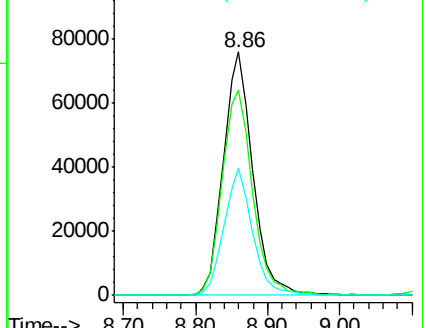
98 52.0 40.0 60.0



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: 19.726 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061140.D

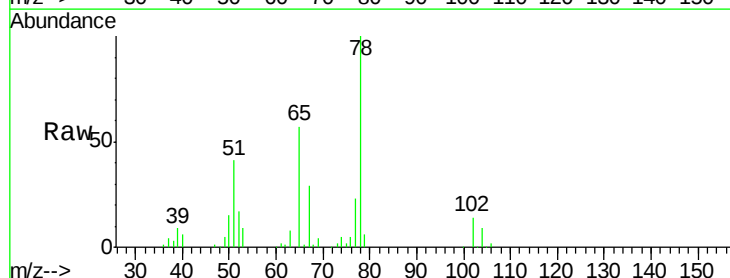
Acq: 18 Mar 2019 12:52

Tgt Ion: 78 Resp: 505884

Ion Ratio Lower Upper

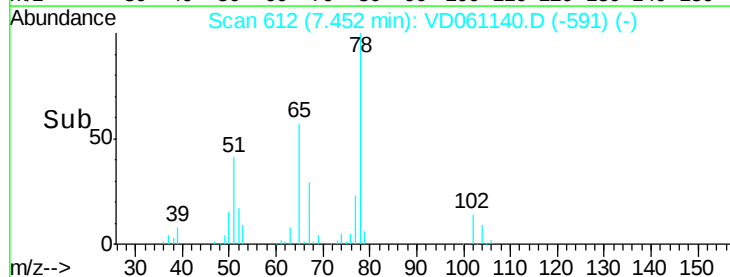
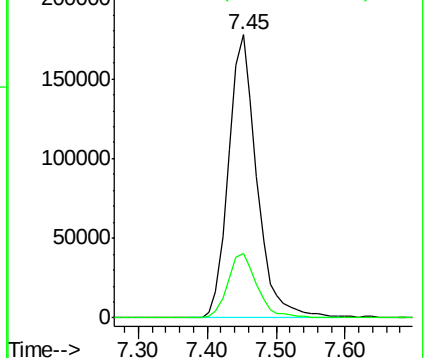
78 100

77 22.9 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

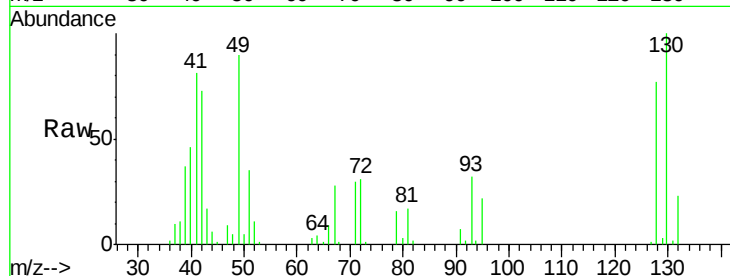




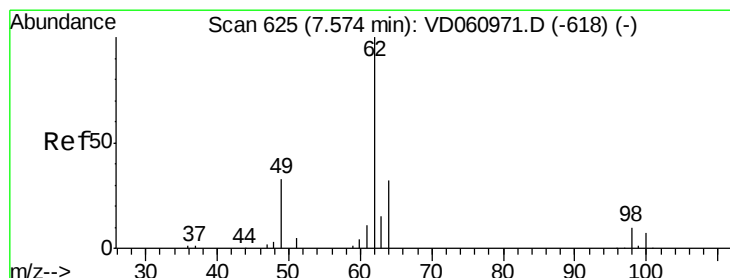
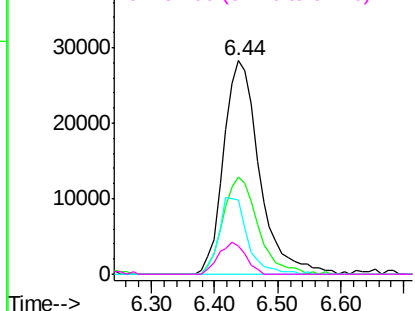
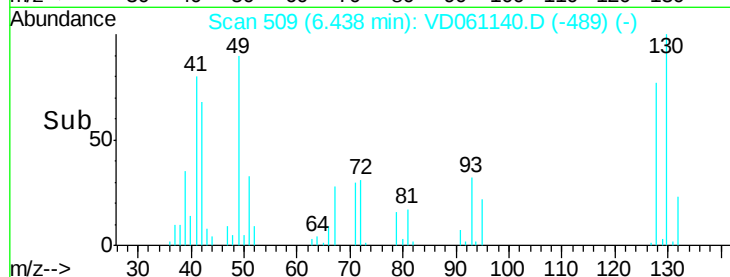
#41
Methacrylonitrile
Concen: 20.170 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 111737
Ion Ratio Lower Upper
41 100
39 45.4 35.7 53.5
67 34.6 23.0 34.6#
52 13.0 9.2 13.8

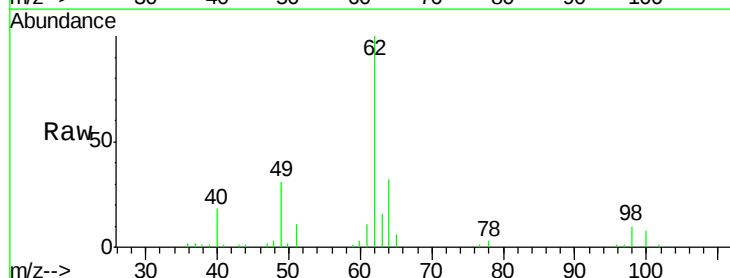


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

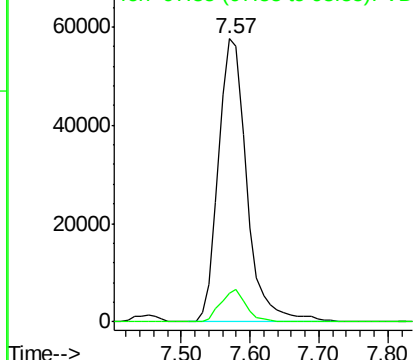
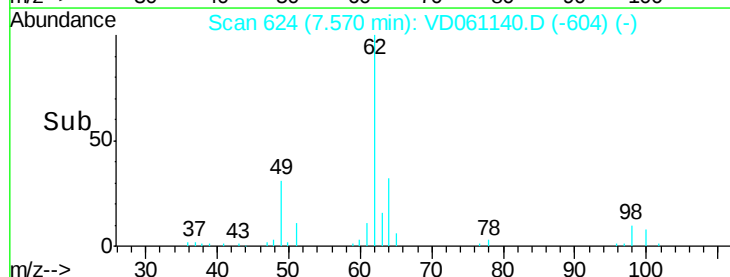


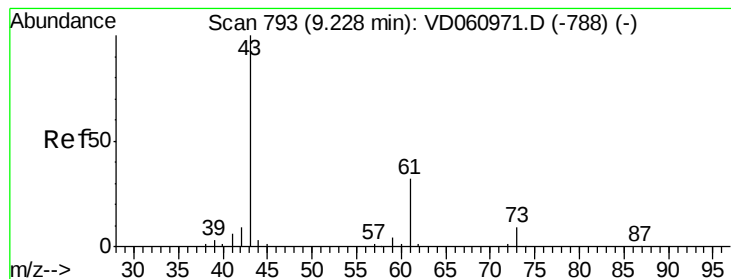
#42
1,2-Dichloroethane
Concen: 22.166 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion: 62 Resp: 164960
Ion Ratio Lower Upper
62 100
98 10.2 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



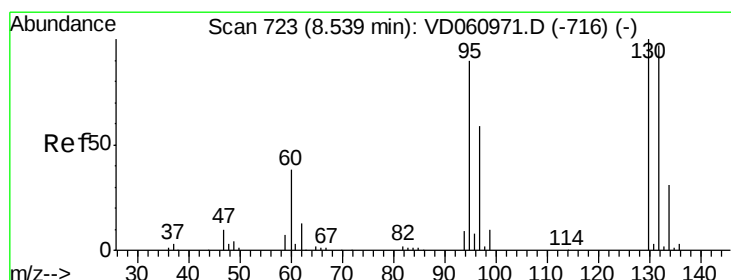
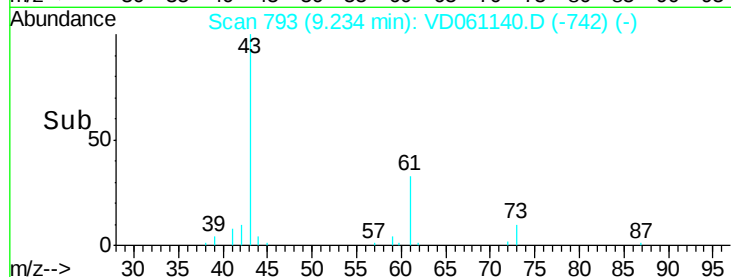
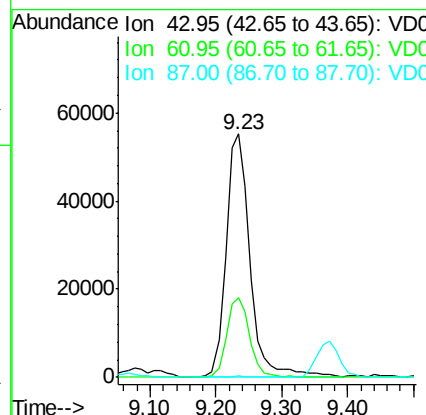
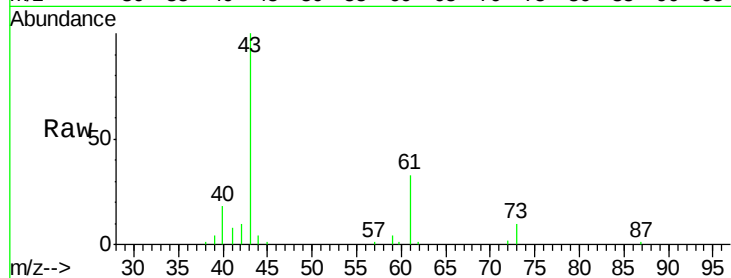


#43

Isopropyl Acetate
 Concen: 20.989 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

Instrument :
 MSVOA_D
 ClientSampleId :

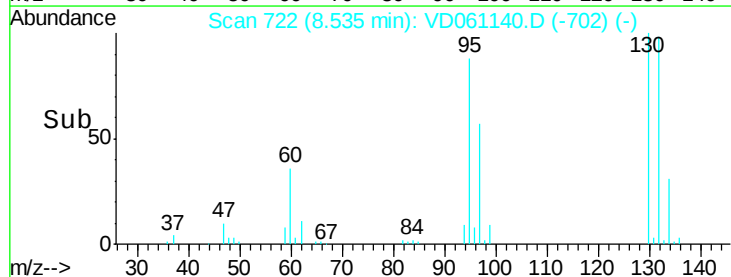
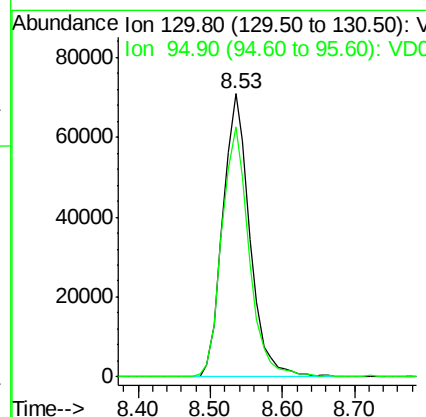
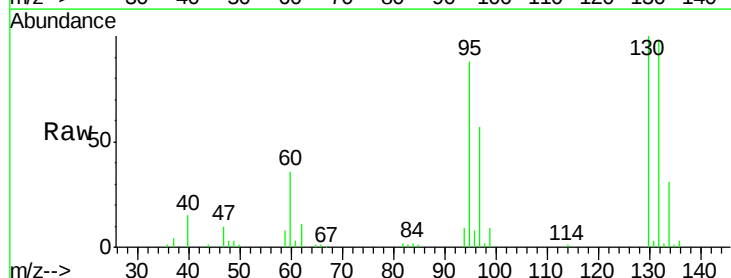
Tot Ion: 43 Resp: 140010
 Ion Ratio Lower Upper
 43 100
 61 33.0 25.6 38.4
 87 0.6 0.2 0.4#



#44

Trichloroethene
 Concen: 20.724 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

Tgt Ion:130 Resp: 183354
 Ion Ratio Lower Upper
 130 100
 95 88.1 0.0 179.4





#45

1,2-Dichloropropane

Concen: 20.187 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

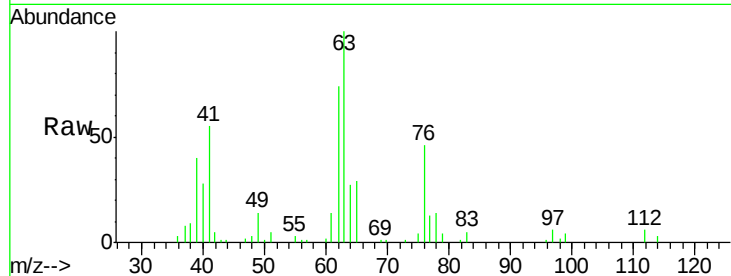
ClientSampleId :

Tot Ion: 63 Resp: 136013

Ion Ratio Lower Upper

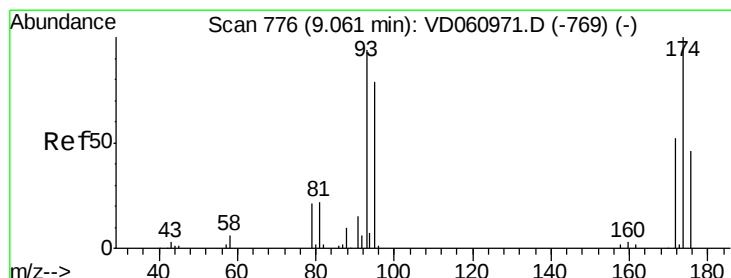
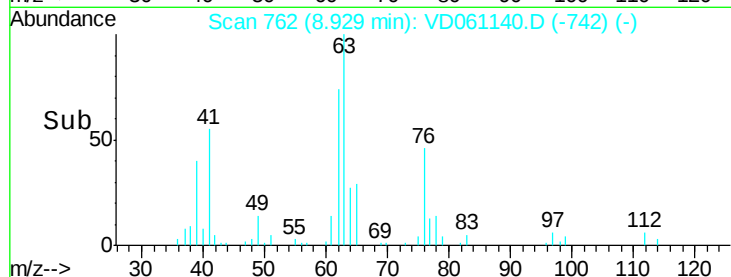
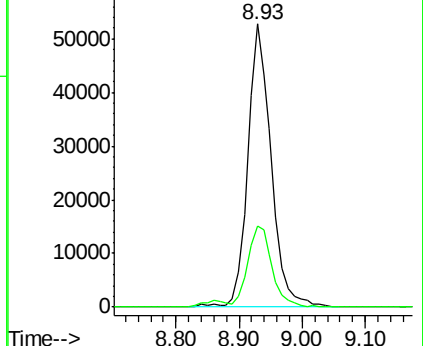
63 100

65 28.8 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: 21.764 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

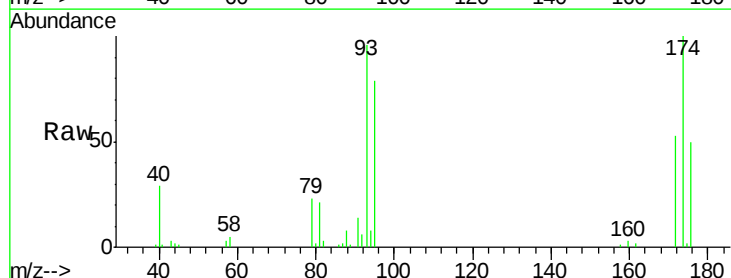
Tgt Ion: 93 Resp: 93015

Ion Ratio Lower Upper

93 100

95 82.6 67.4 101.0

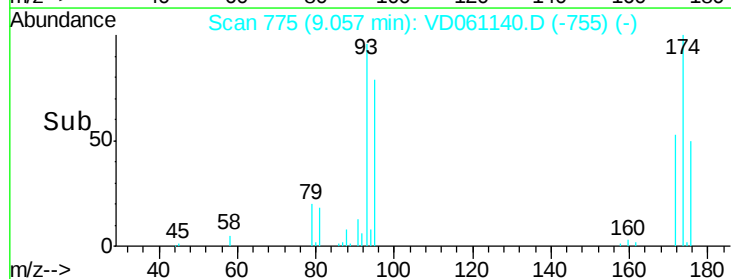
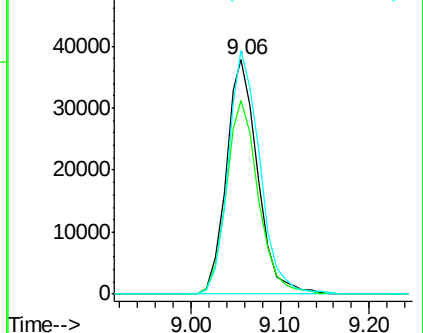
174 104.0 85.4 128.0

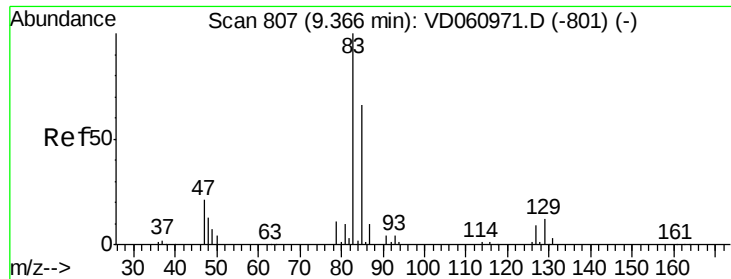


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.751 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :
MSVOA_D
ClientSampled :

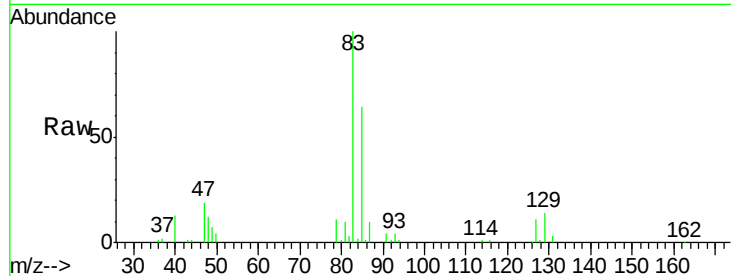
Tot Ion: 83 Resp: 200132

Ion Ratio Lower Upper

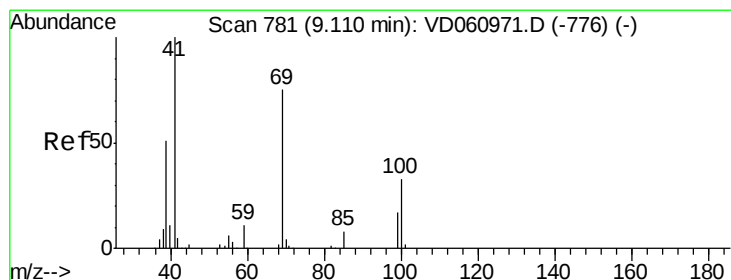
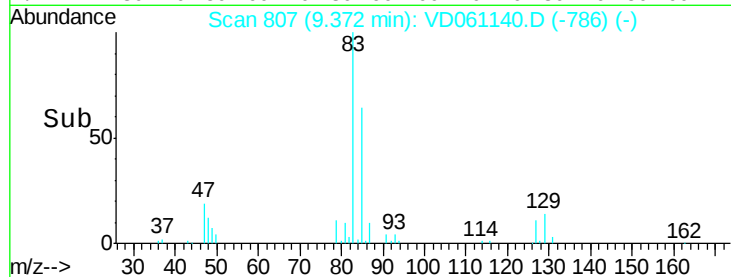
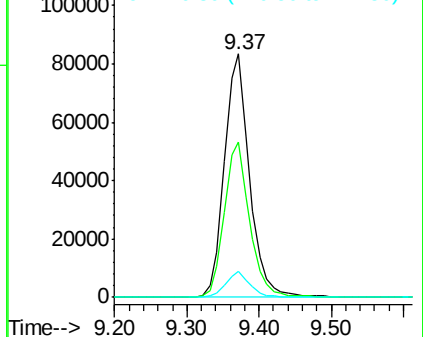
83 100

85 63.6 52.5 78.7

127 10.9 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: 21.336 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

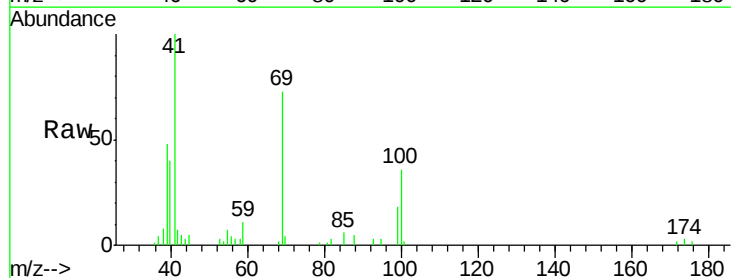
Tgt Ion: 41 Resp: 80131

Ion Ratio Lower Upper

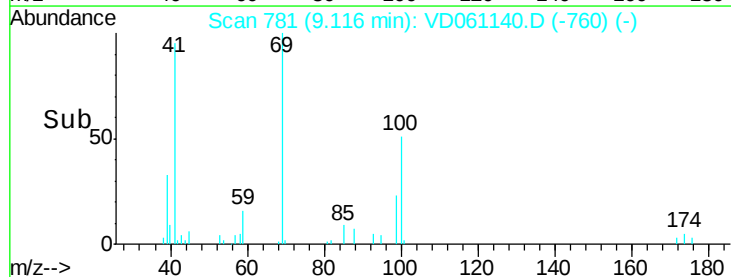
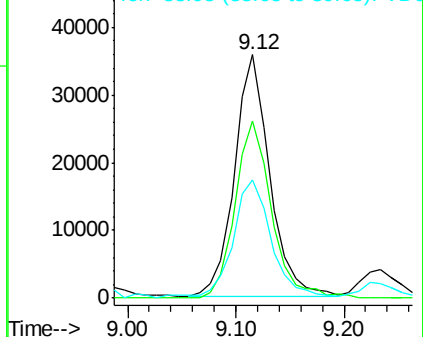
41 100

69 72.8 59.9 89.9

39 48.3 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

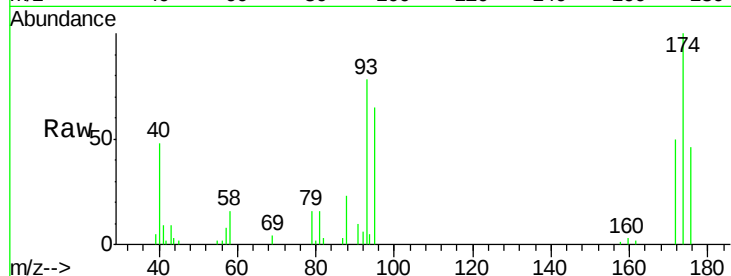




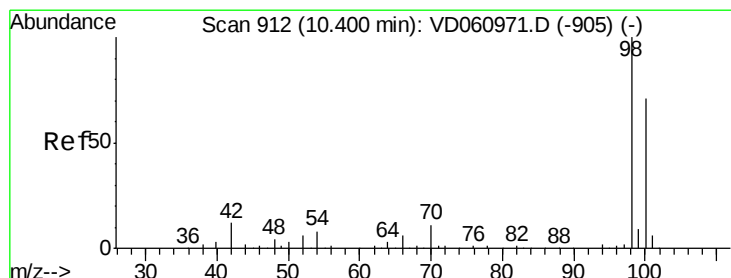
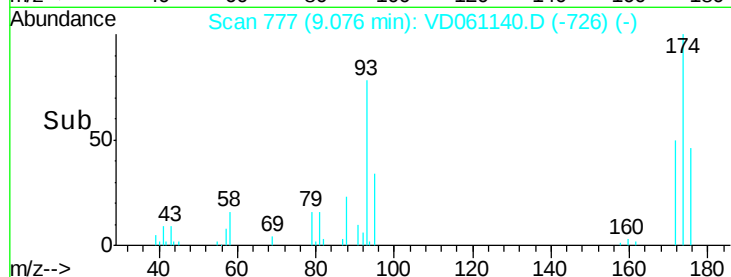
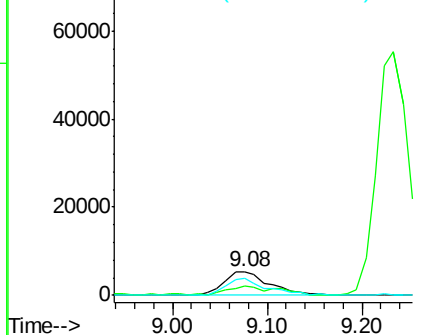
#49
1,4-Dioxane
Concen: 471.673 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 17913
Ion Ratio Lower Upper
88 100
43 40.3 21.0 31.6#
58 70.6 48.6 72.8

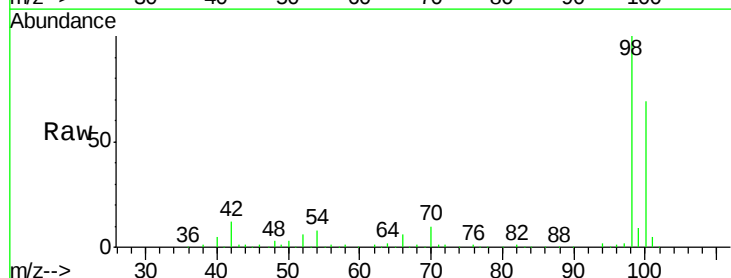


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

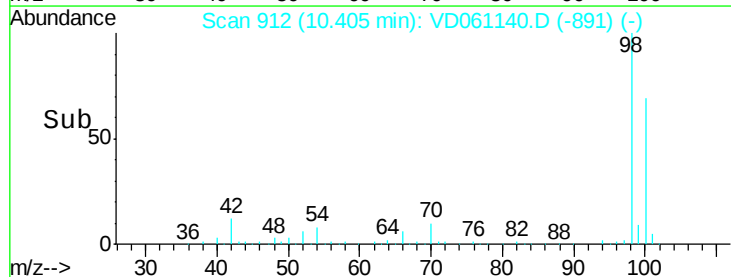
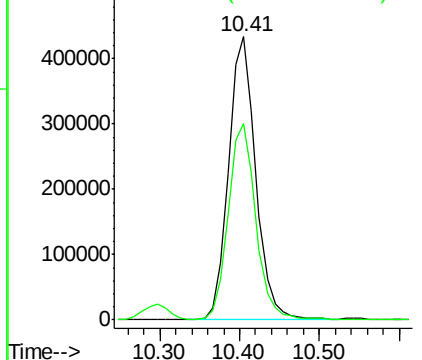


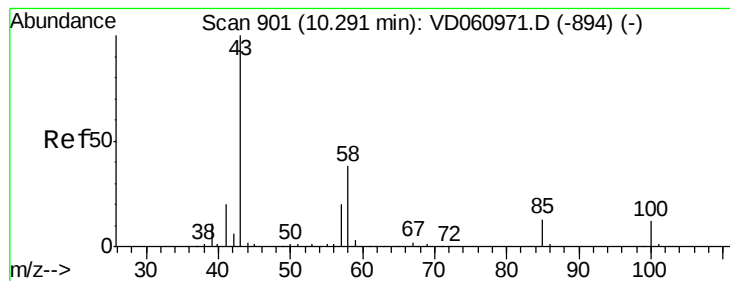
#50
Toluene-d8
Concen: 471.673 ug/l
RT: 10.41 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion: 98 Resp: 1037311
Ion Ratio Lower Upper
98 100
100 69.3 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: 106.856 ug/l

RT: 10.30 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

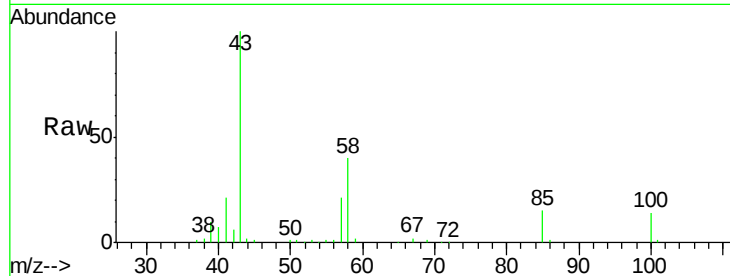
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 436675

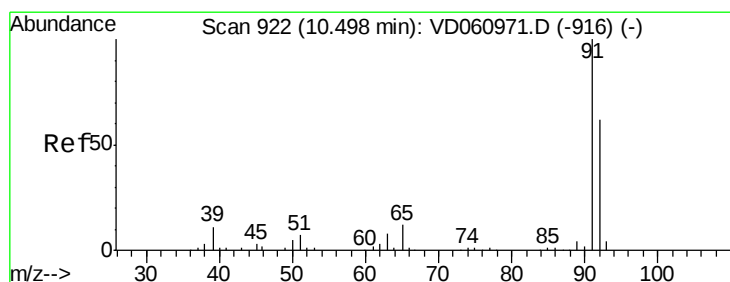
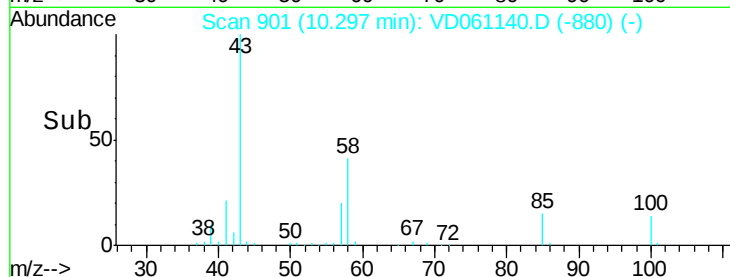
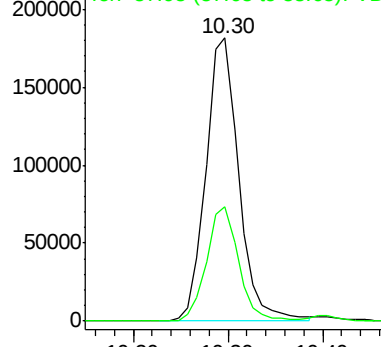
Ion Ratio Lower Upper

43 100

58 40.5 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: 20.827 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061140.D

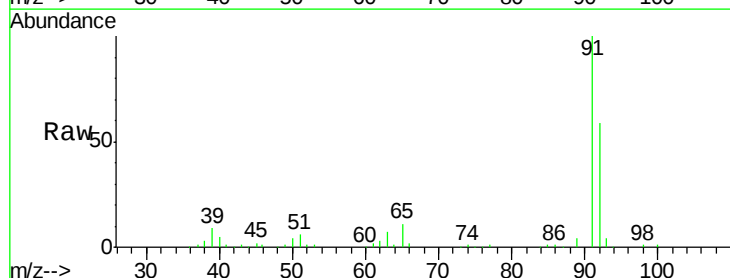
Acq: 18 Mar 2019 12:52

Tgt Ion: 92 Resp: 332128

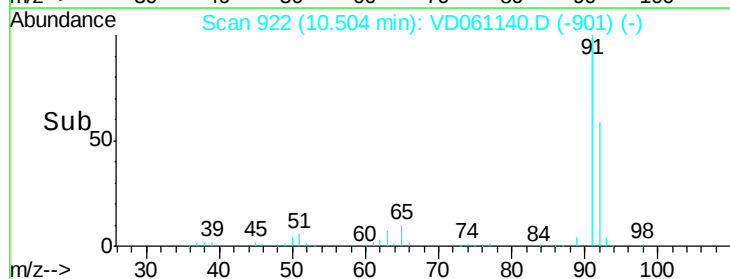
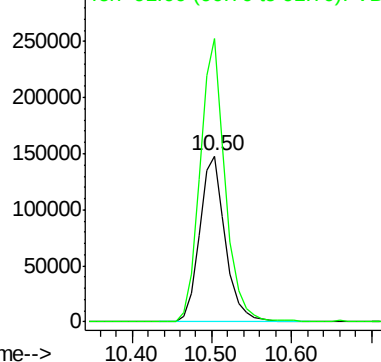
Ion Ratio Lower Upper

92 100

91 170.9 129.8 194.8



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

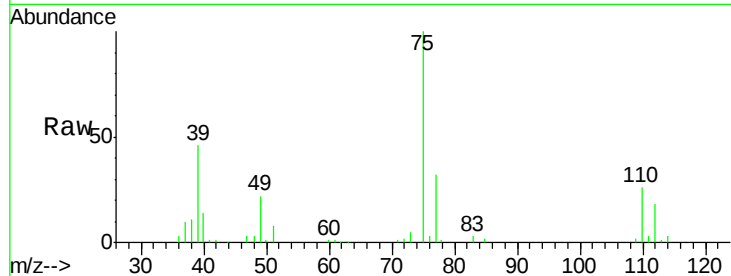




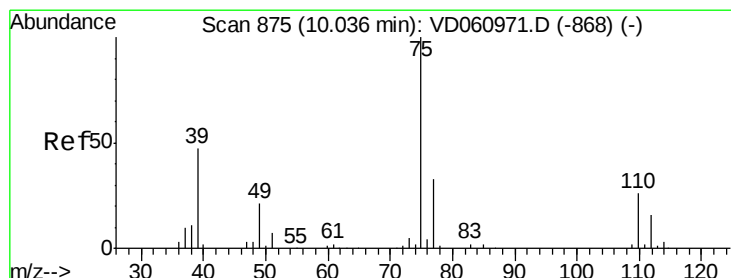
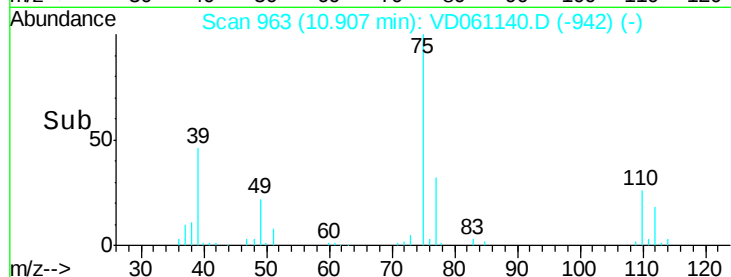
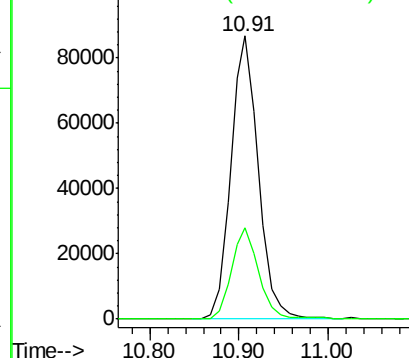
#53
 t-1,3-Dichloropropene
 Concen: 21.224 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 187170
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.7 37.1

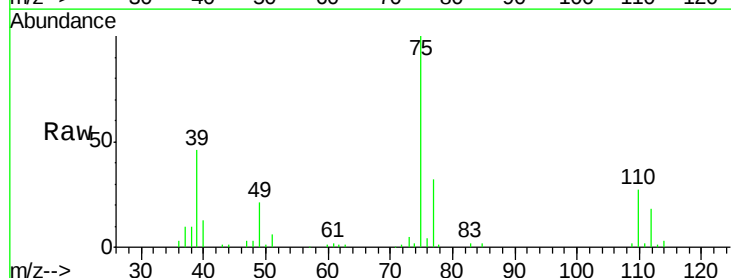


Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 76.95 (76.65 to 77.65): VDC

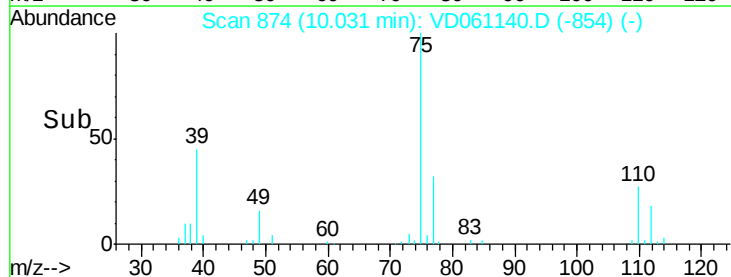
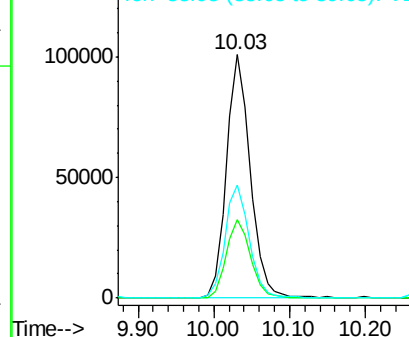


#54
 cis-1,3-Dichloropropene
 Concen: 20.850 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

Tgt Ion: 75 Resp: 220923
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.2 39.4
 39 46.4 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

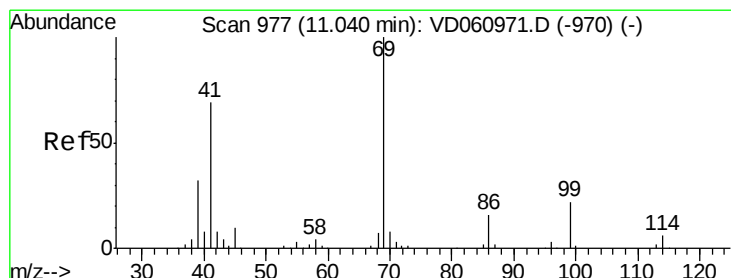
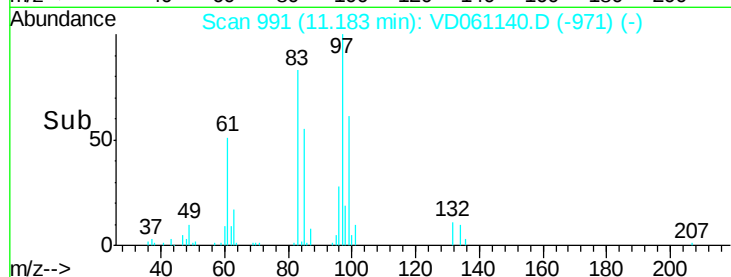
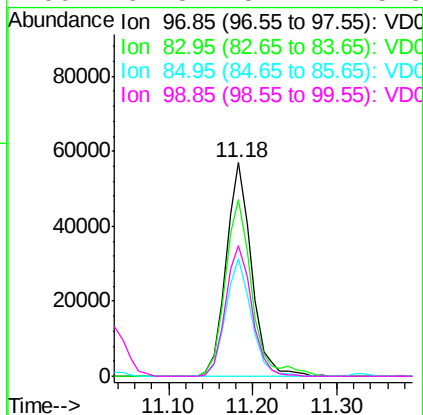
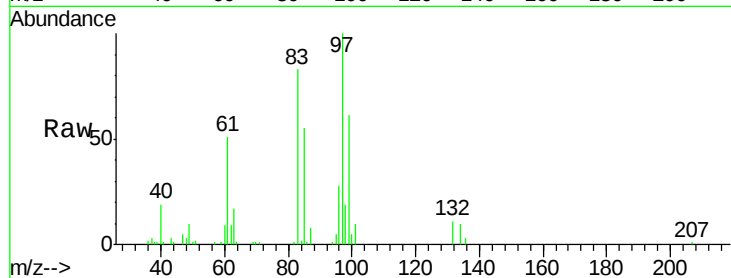




#55
 1,1,2-Trichloroethane
 Concen: 22.440 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

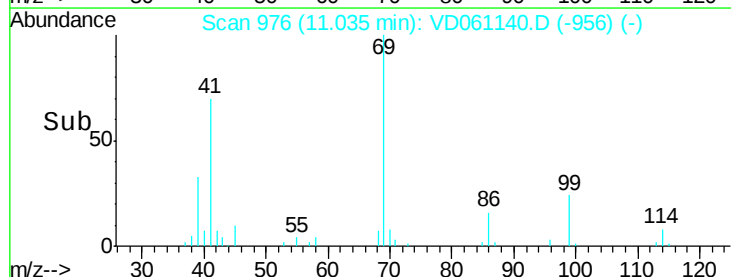
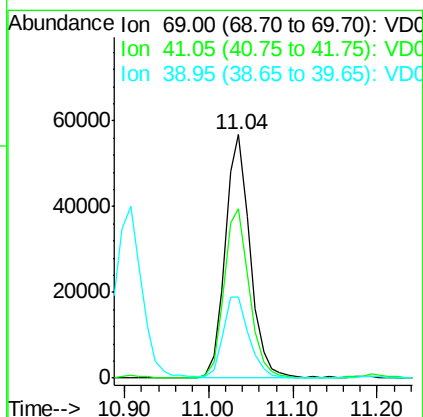
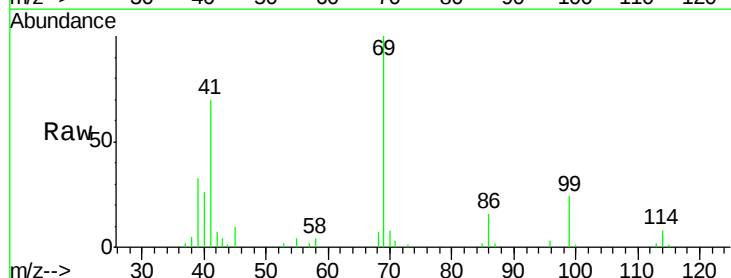
Instrument :
 MSVOA_D
 ClientSampleId :

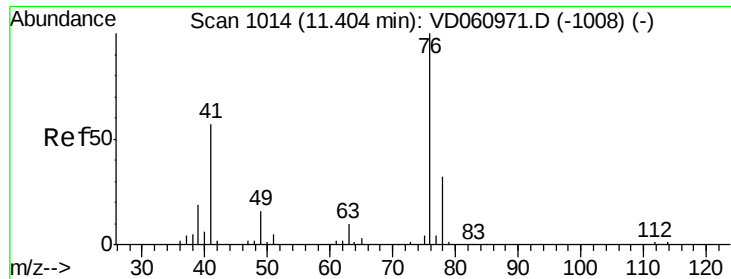
Tot Ion: 97 Resp: 119173
 Ion Ratio Lower Upper
 97 100
 83 83.0 66.6 100.0
 85 55.1 46.4 69.6
 99 61.3 52.4 78.6



#56
 Ethyl methacrylate
 Concen: 20.928 ug/l
 RT: 11.04 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

Tgt Ion: 69 Resp: 116333
 Ion Ratio Lower Upper
 69 100
 41 69.5 55.5 83.3
 39 33.4 26.2 39.2





#57

1,3-Dichloropropane

Concen: 20.825 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

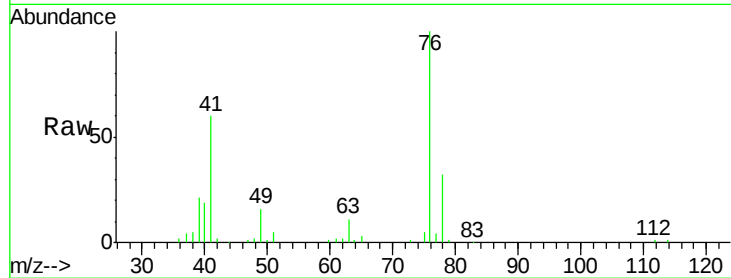
ClientSampleId :

Tot Ion: 76 Resp: 165271

Ion Ratio Lower Upper

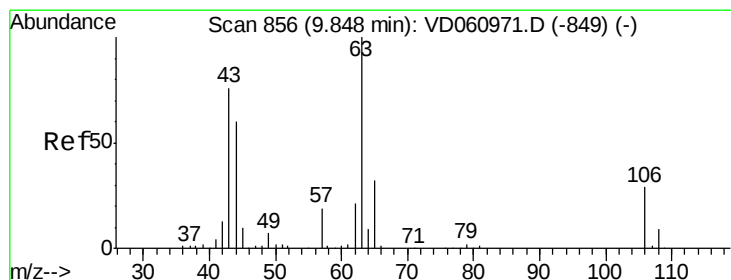
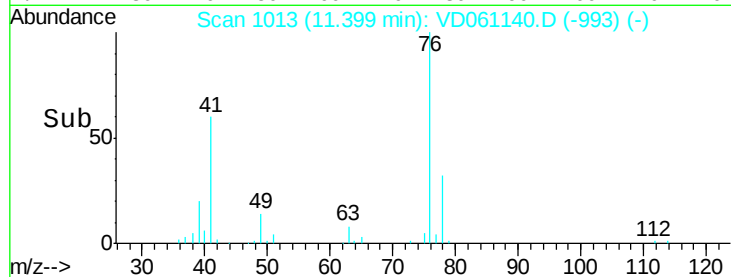
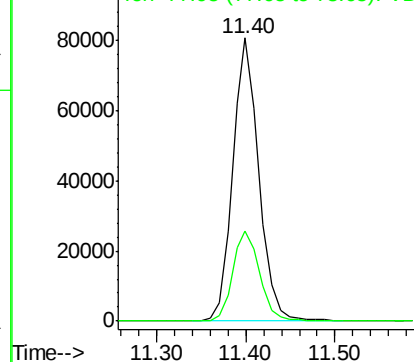
76 100

78 31.8 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: 91.586 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD061140.D

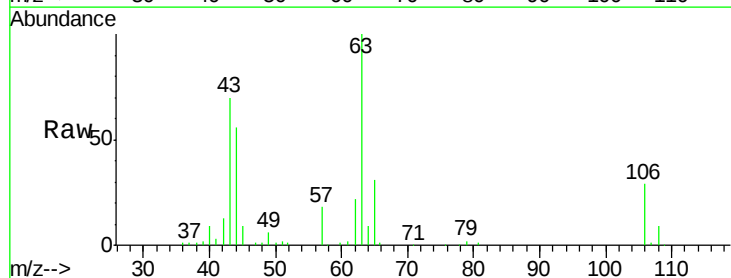
Acq: 18 Mar 2019 12:52

Tgt Ion: 63 Resp: 269484

Ion Ratio Lower Upper

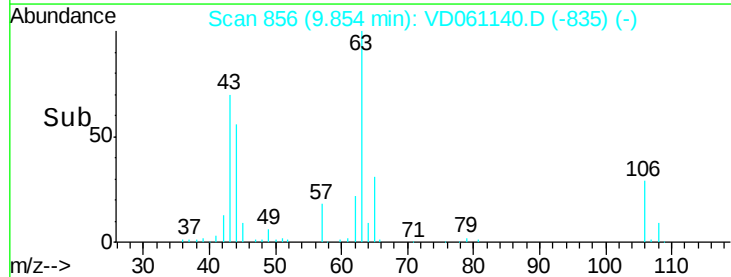
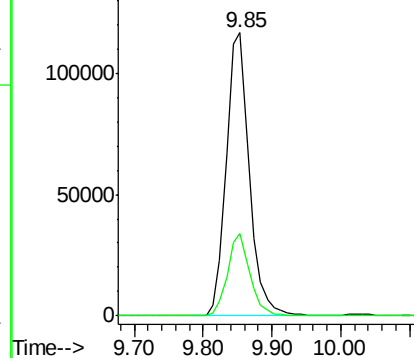
63 100

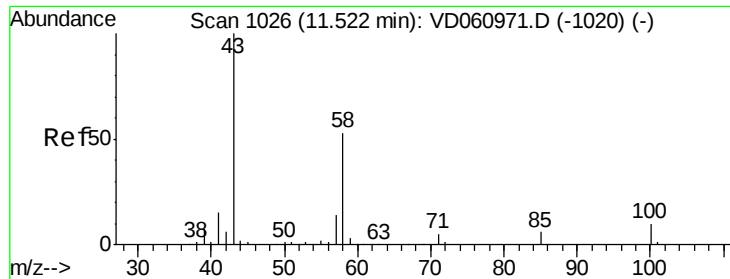
106 28.9 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

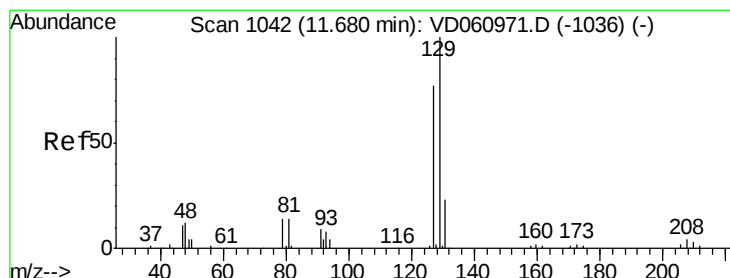
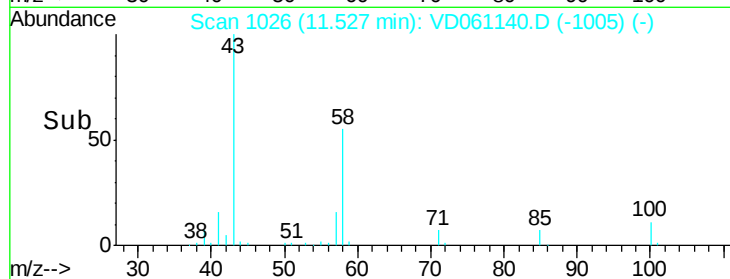
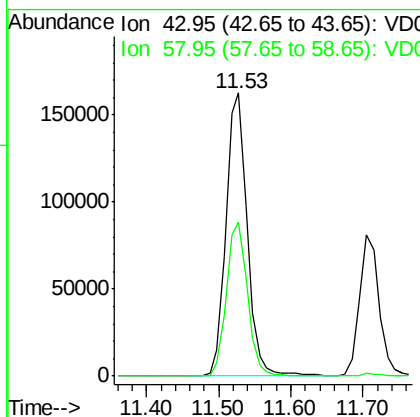
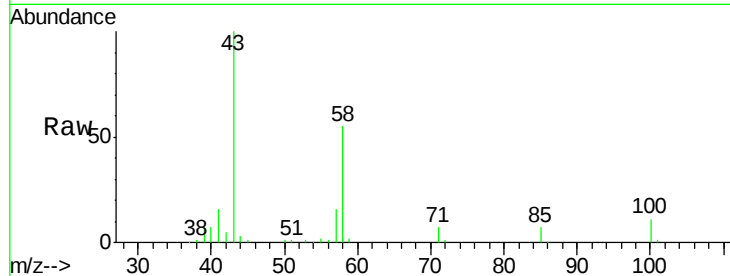




#59
2-Hexanone
Concen: 110.981 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

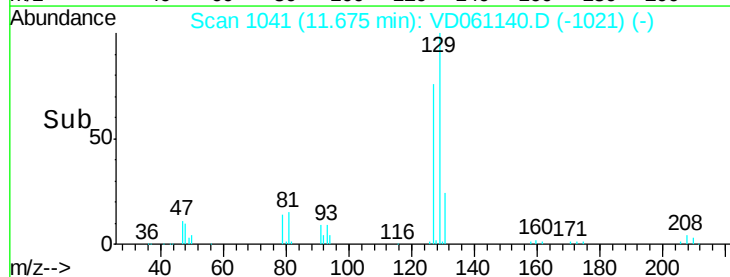
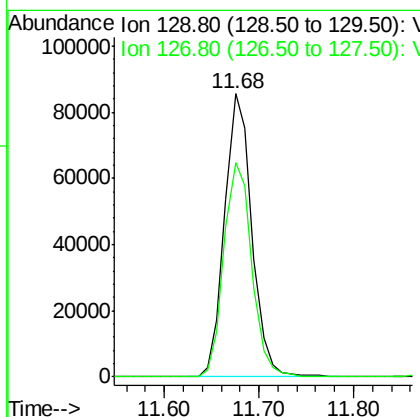
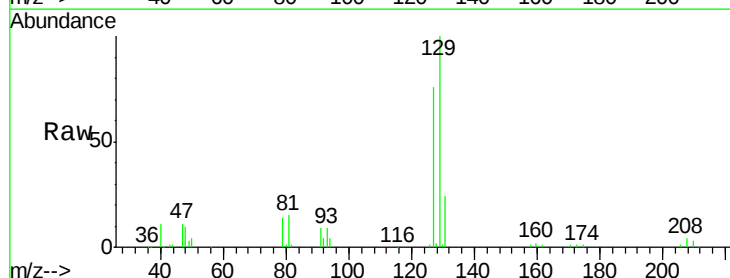
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 331756
Ion Ratio Lower Upper
43 100
58 54.6 26.5 79.5



#60
Dibromochloromethane
Concen: 21.818 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion: 129 Resp: 170526
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.9

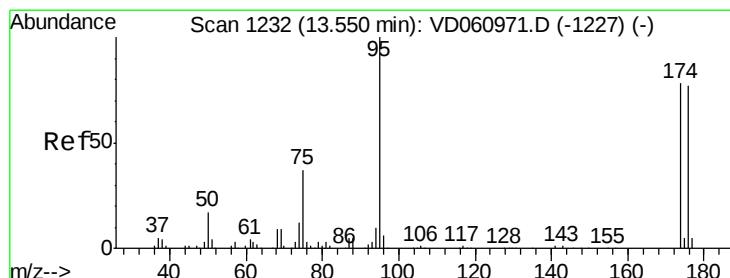
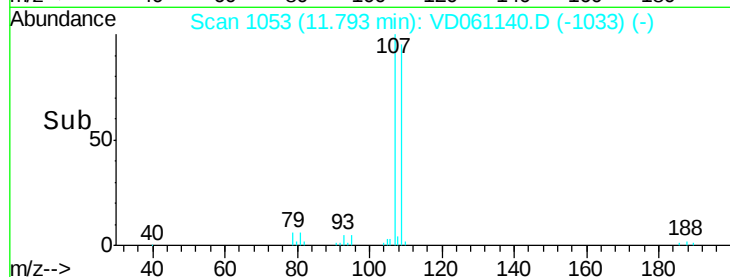
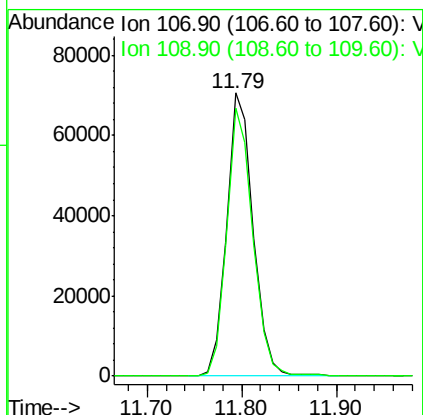
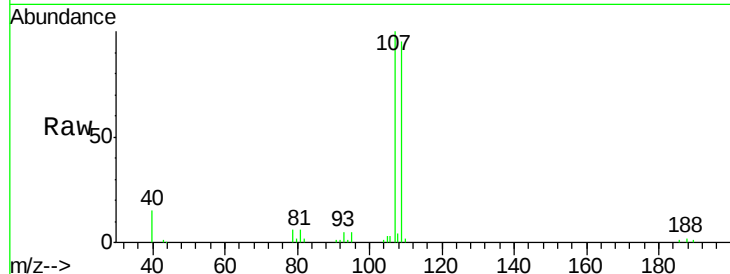




#61
 1,2-Dibromoethane
 Concen: 21.983 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

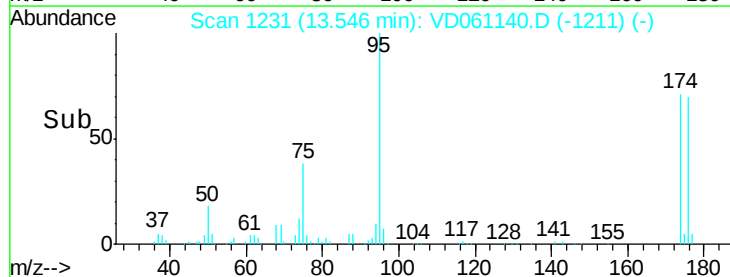
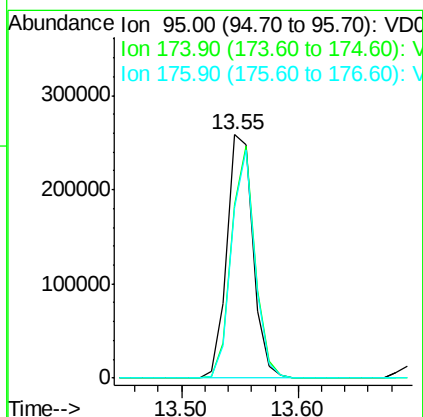
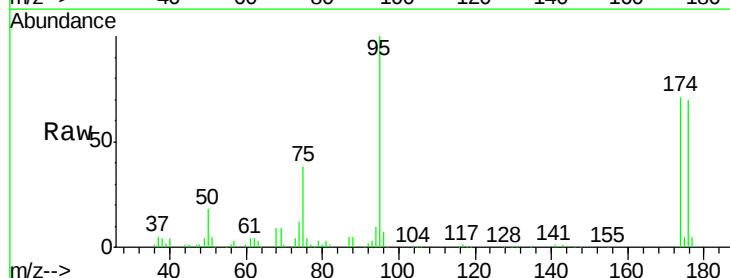
Instrument :
 MSVOA_D
 ClientSampleId :

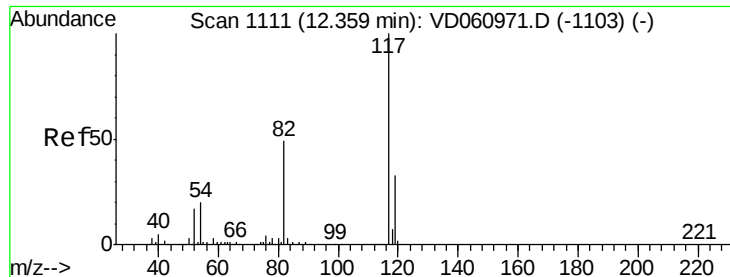
Tot Ion:107 Resp: 135807
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 21.983 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

Tgt Ion: 95 Resp: 402512
 Ion Ratio Lower Upper
 95 100
 174 71.0 0.0 155.6
 176 69.9 0.0 153.8

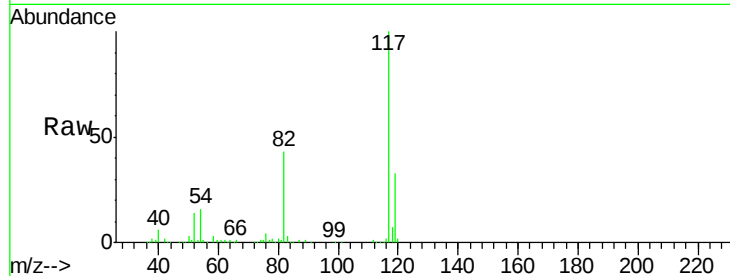




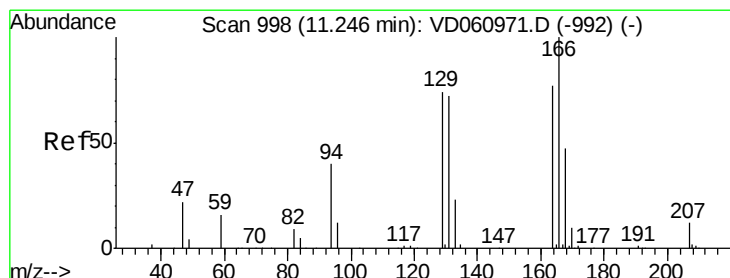
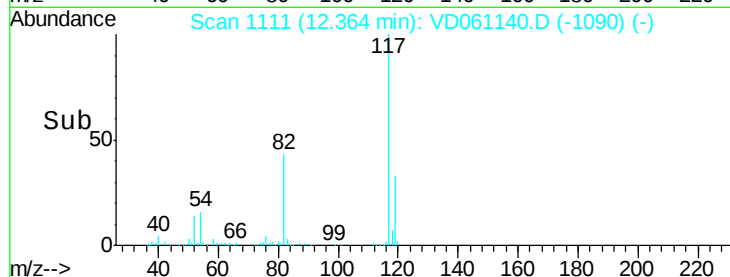
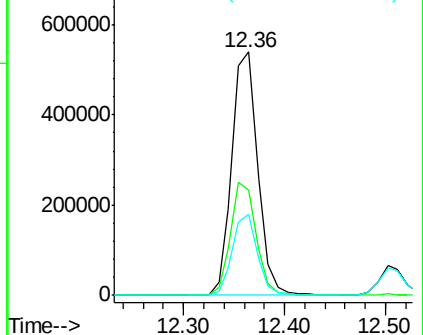
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 963821
Ion Ratio Lower Upper
117 100
82 43.0 38.9 58.3
119 33.3 26.6 39.8

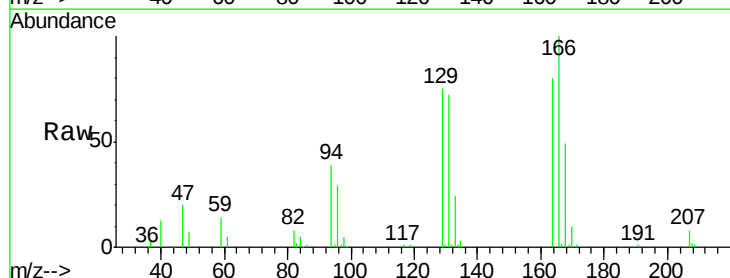


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

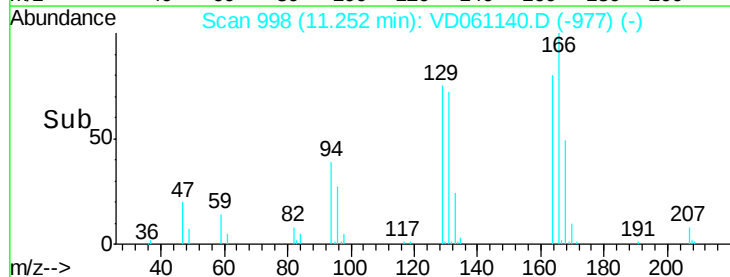
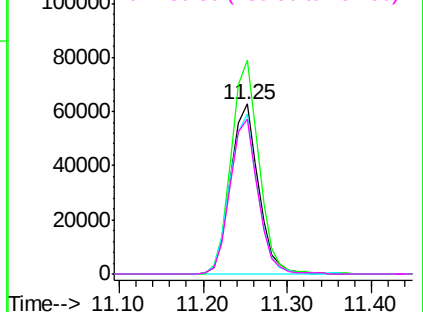


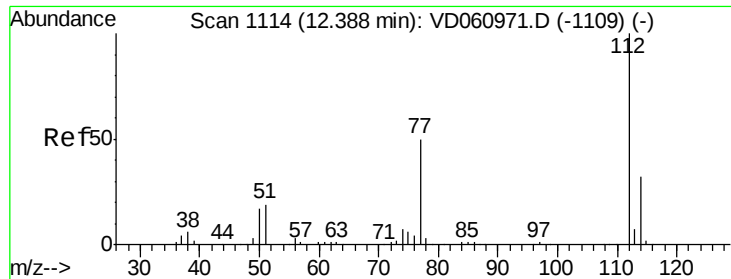
#64
Tetrachloroethene
Concen: 22.248 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion:164 Resp: 144748
Ion Ratio Lower Upper
164 100
166 125.8 103.4 155.0
129 94.1 76.9 115.3
131 90.9 74.4 111.6



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

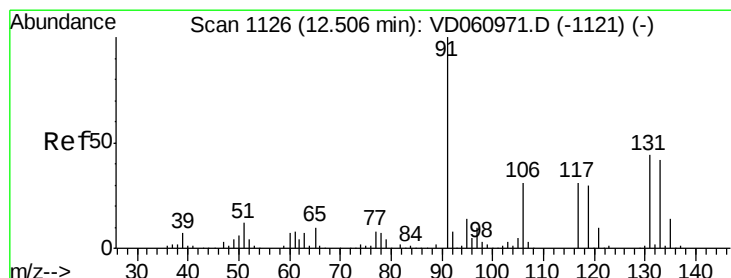
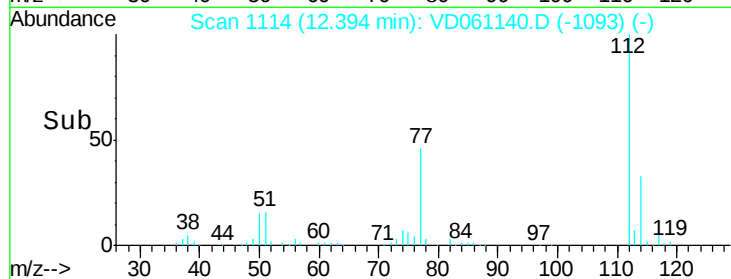
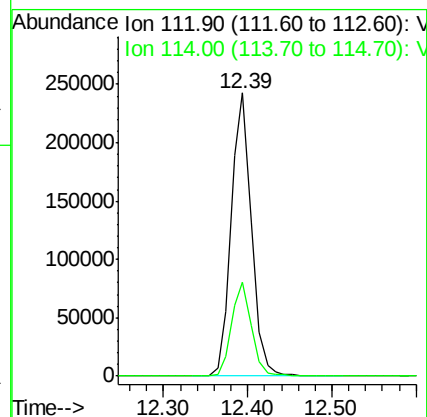
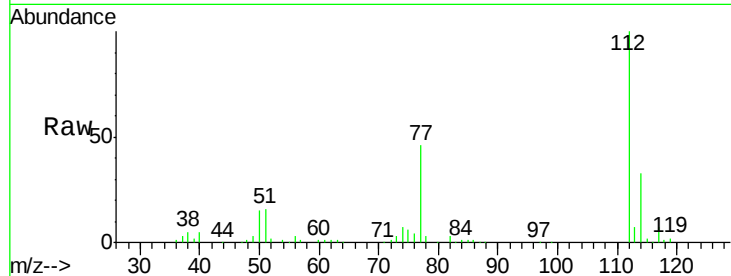




#65
Chlorobenzene
Concen: 21.277 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

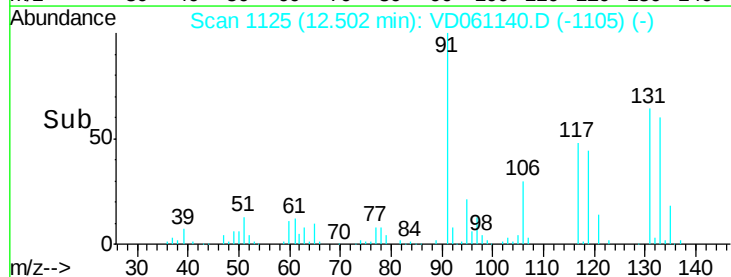
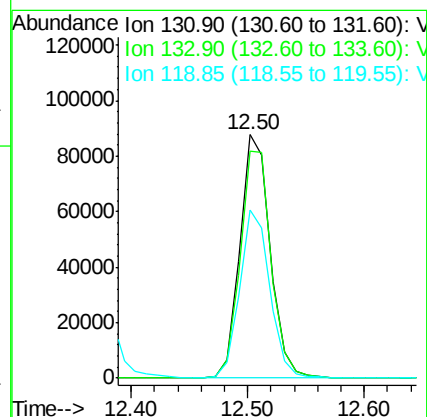
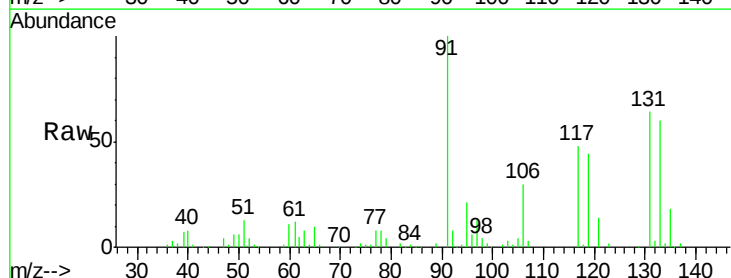
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 402034
Ion Ratio Lower Upper
112 100
114 33.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.280 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion:131 Resp: 156794
Ion Ratio Lower Upper
131 100
133 93.1 47.8 143.3
119 69.1 34.3 102.9

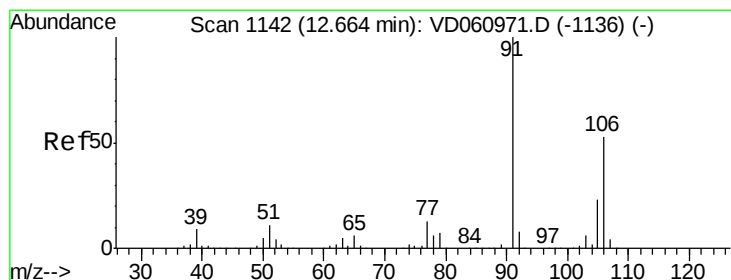
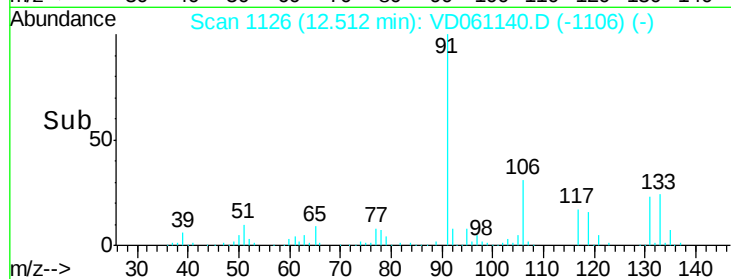
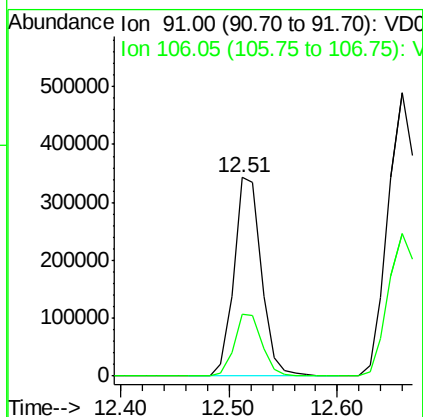
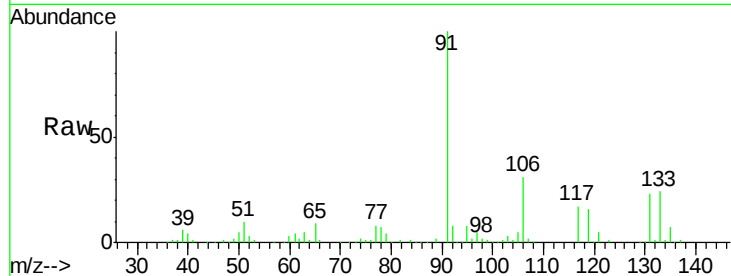




#67
Ethyl Benzene
Concen: 21.470 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

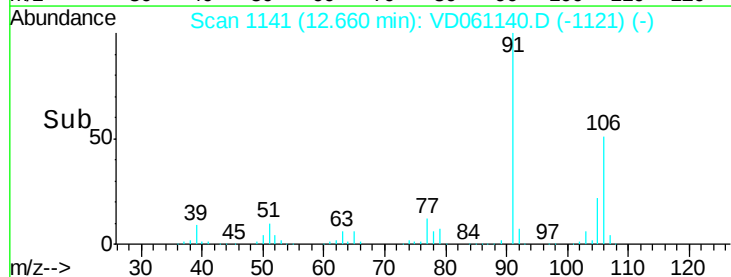
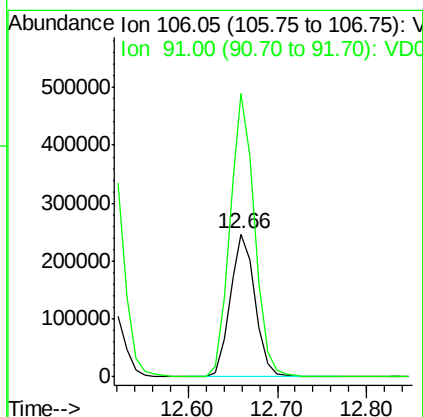
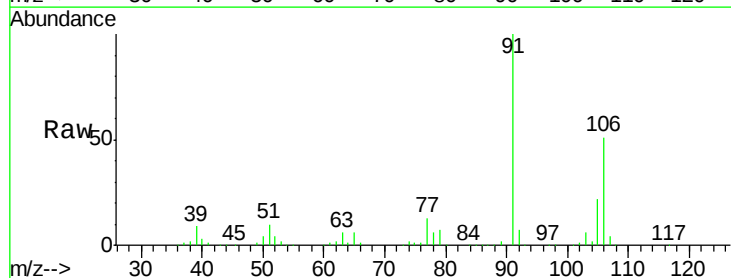
Instrument :
MSVOA_D
ClientSampleId :

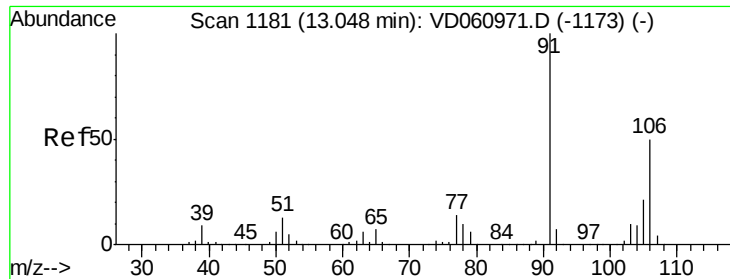
Tot Ion: 91 Resp: 603943
Ion Ratio Lower Upper
91 100
106 31.0 25.7 38.5



#68
m/p-Xylenes
Concen: 43.663 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion: 106 Resp: 482079
Ion Ratio Lower Upper
106 100
91 198.0 152.0 228.0

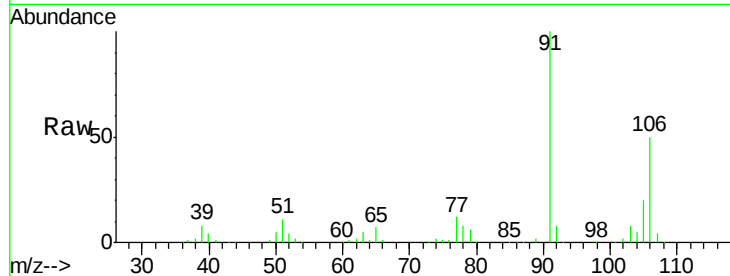




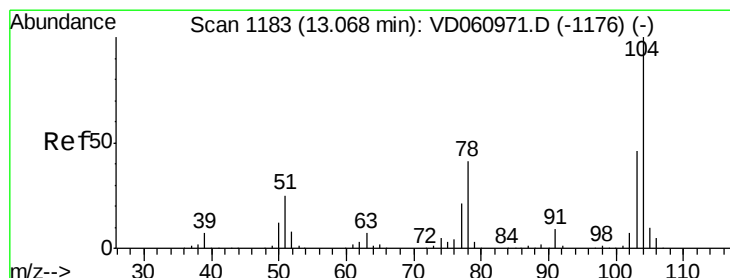
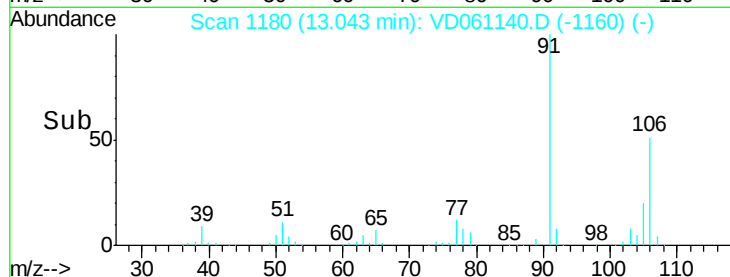
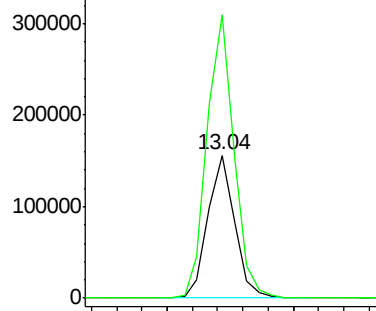
#69
o-Xylene
Concen: 21.020 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 228120
Ion Ratio Lower Upper
106 100
91 198.2 99.8 299.3

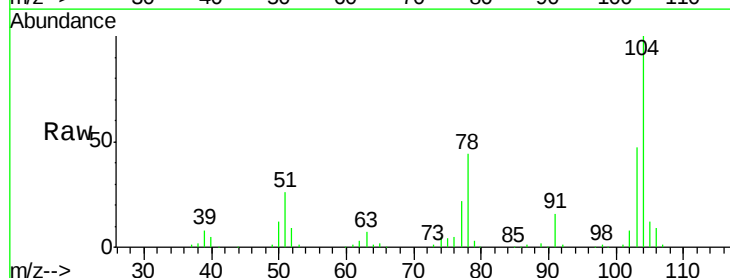


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

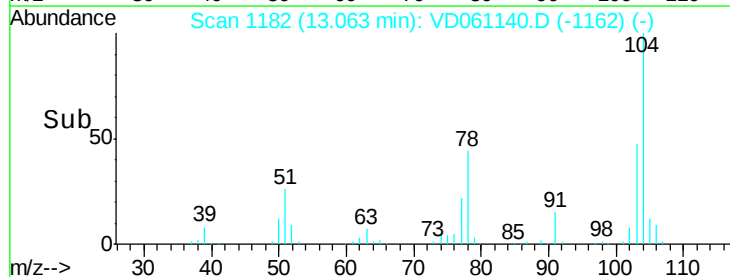
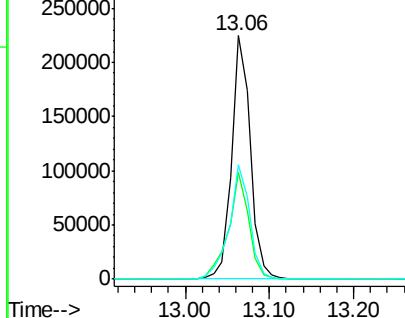


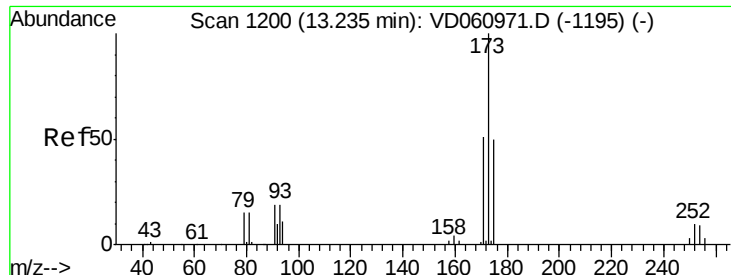
#70
Styrene
Concen: 19.535 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD061140.D
Acq: 18 Mar 2019 12:52

Tgt Ion:104 Resp: 346187
Ion Ratio Lower Upper
104 100
78 44.1 33.0 49.4
103 46.8 37.1 55.7



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





#71

Bromoform

Concen: 21.015 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

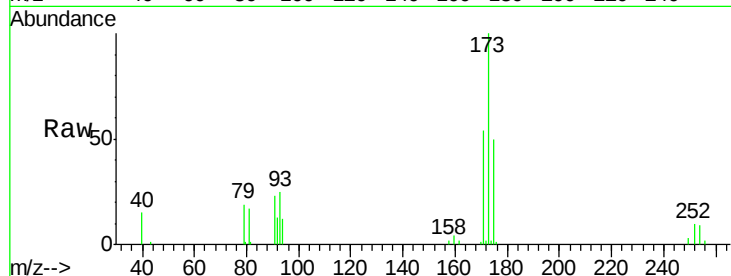
Tot Ion:173 Resp: 91309

Ion Ratio Lower Upper

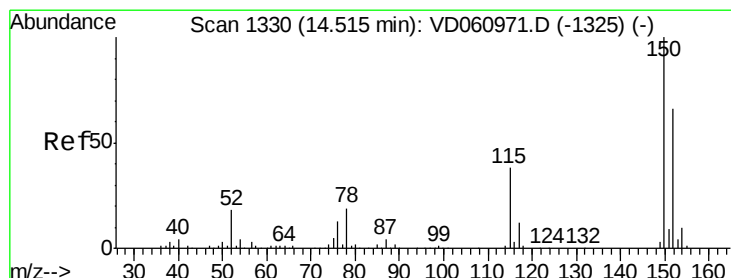
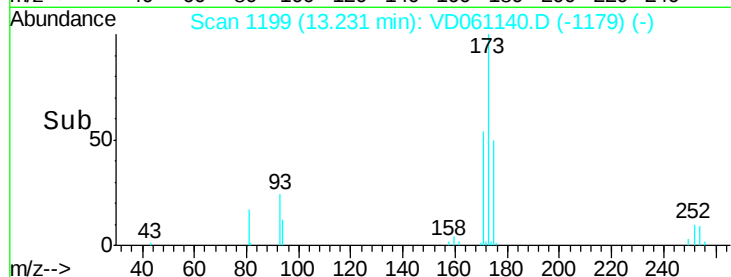
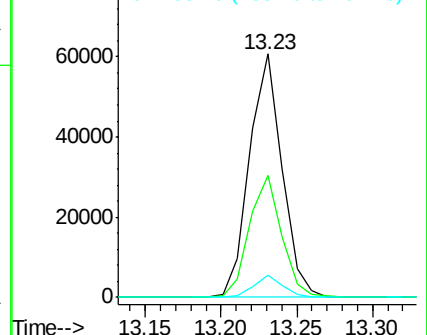
173 100

175 50.0 24.9 74.8

254 9.1 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# 1329

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

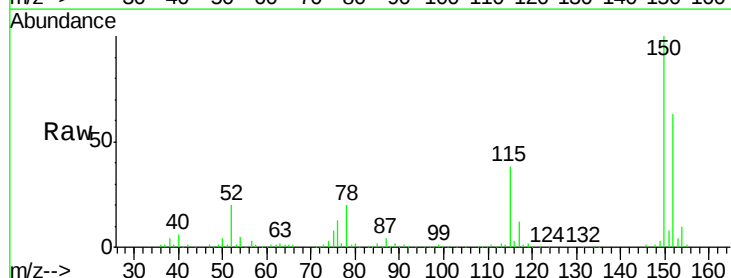
Tgt Ion:152 Resp: 428643

Ion Ratio Lower Upper

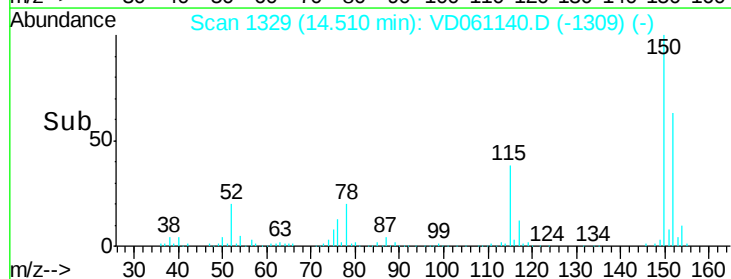
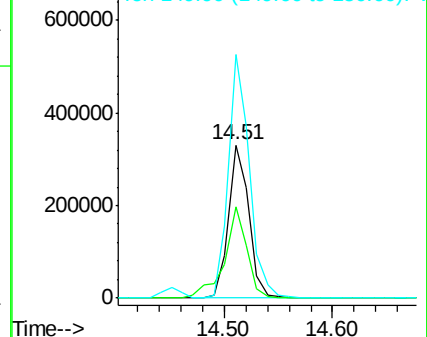
152 100

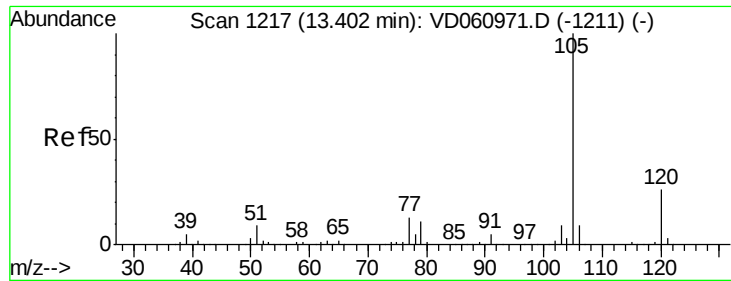
115 59.6 28.6 85.9

150 158.9 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: 20.778 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

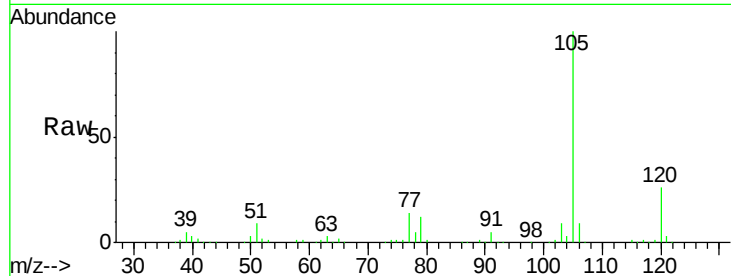
ClientSampleId :

Tot Ion:105 Resp: 641857

Ion Ratio Lower Upper

105 100

120 26.3 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

500000

400000

300000

200000

100000

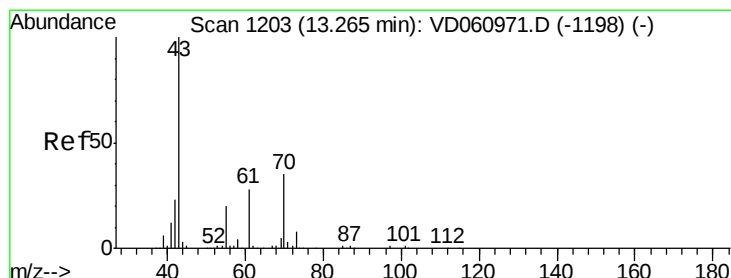
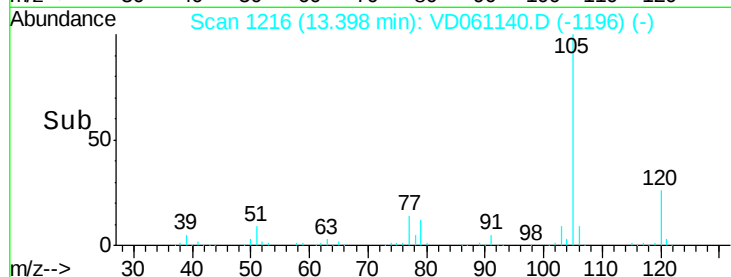
0

13.30

13.40

13.50

Time-->



#74

N-ethyl acetate

Concen: 20.235 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Tgt Ion: 43 Resp: 176014

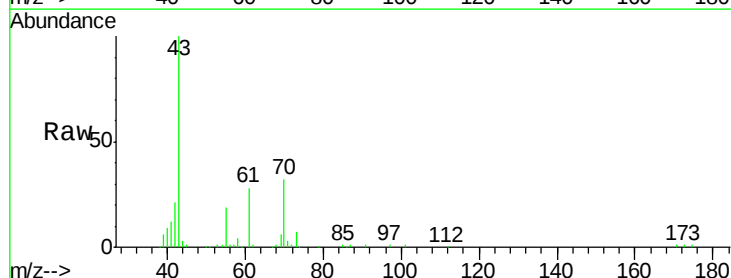
Ion Ratio Lower Upper

43 100

70 32.4 27.7 41.5

55 19.1 16.2 24.2

61 27.8 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

200000

150000

100000

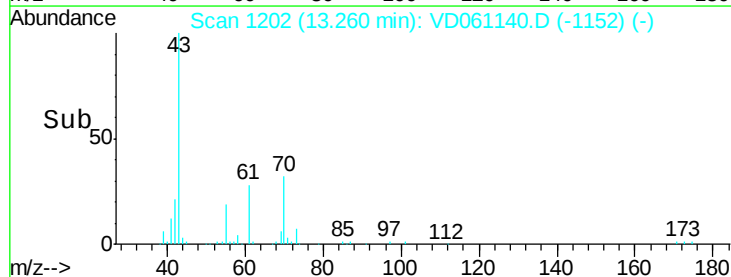
50000

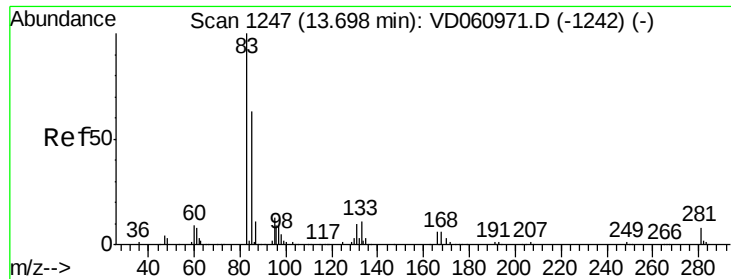
0

13.20

13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.722 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

ClientSampled :

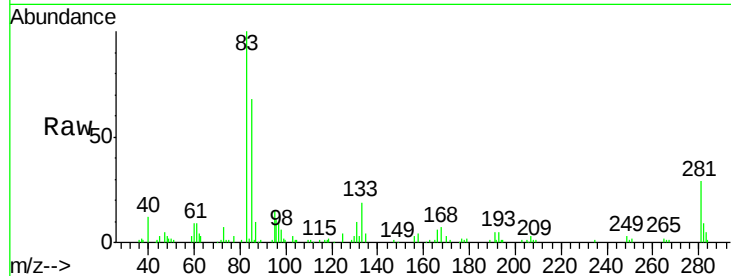
Tot Ion: 83 Resp: 118864

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

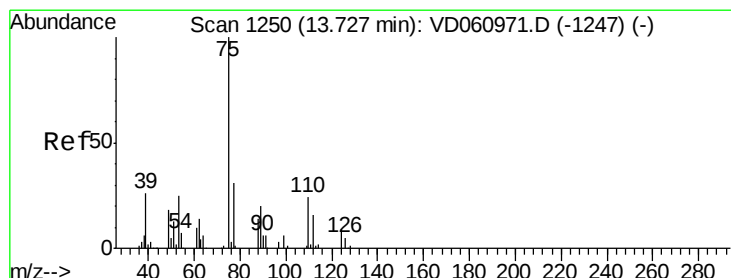
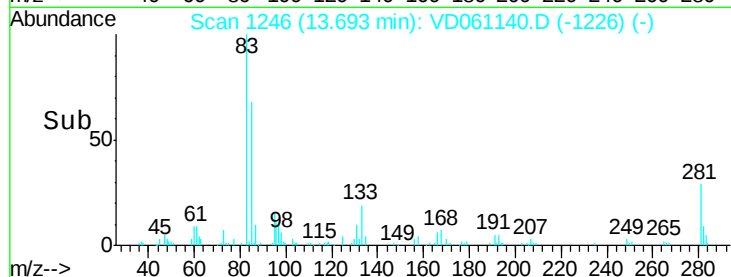
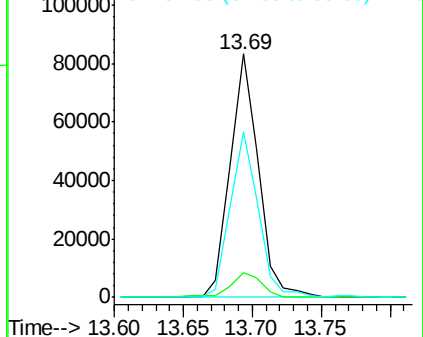
85 68.1 31.5 94.5



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: 21.351 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD061140.D

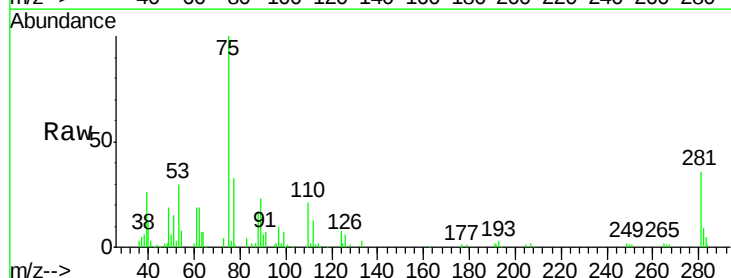
Acq: 18 Mar 2019 12:52

Tgt Ion: 75 Resp: 131667

Ion Ratio Lower Upper

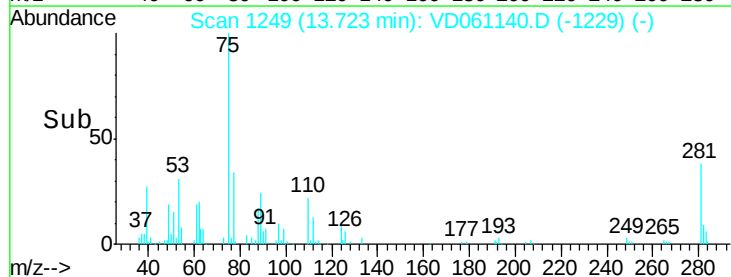
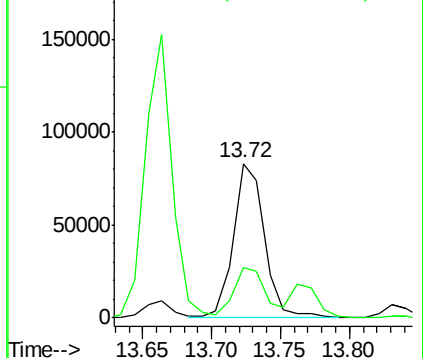
75 100

77 32.7 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: 20.768 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

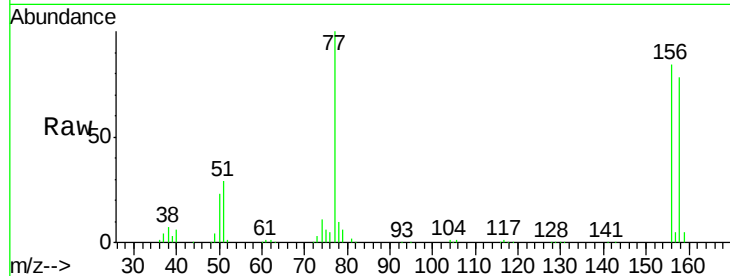
Tot Ion:156 Resp: 163769

Ion Ratio Lower Upper

156 100

77 119.7 55.5 166.7

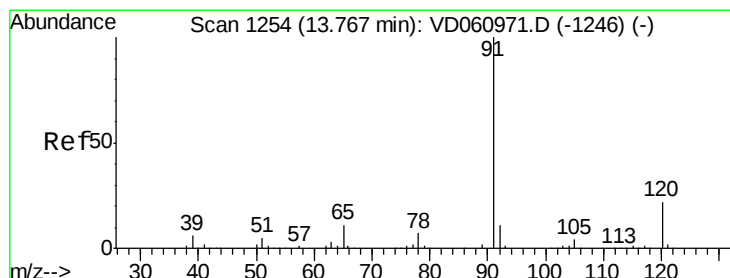
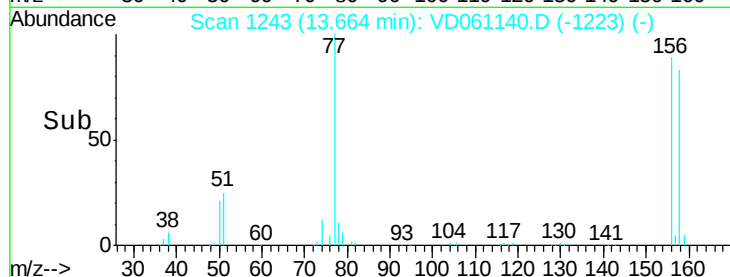
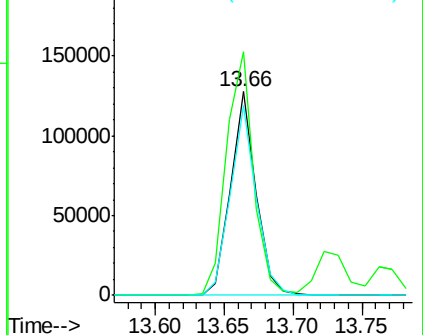
158 93.3 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.196 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD061140.D

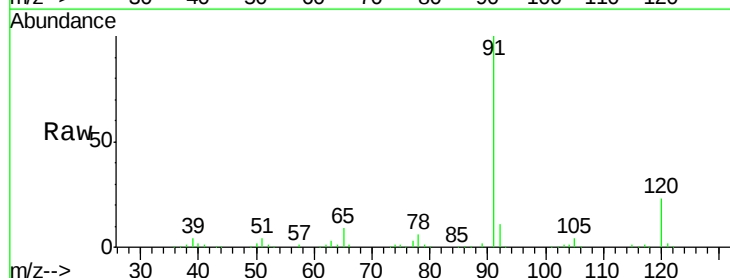
Acq: 18 Mar 2019 12:52

Tgt Ion: 91 Resp: 730374

Ion Ratio Lower Upper

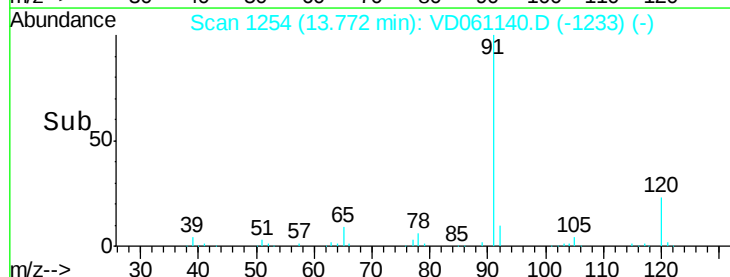
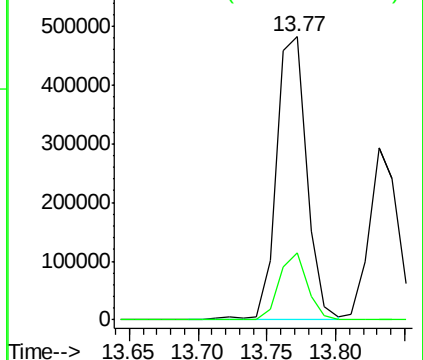
91 100

120 23.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.148 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

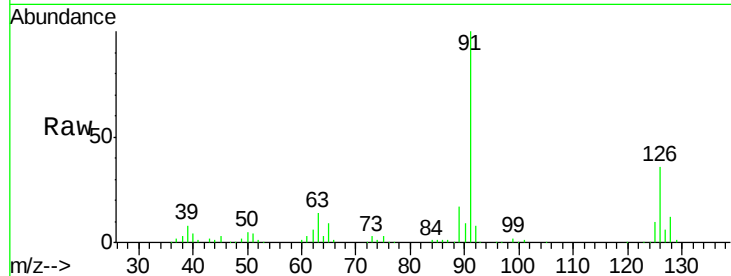
ClientSampleId :

Tot Ion: 91 Resp: 421055

Ion Ratio Lower Upper

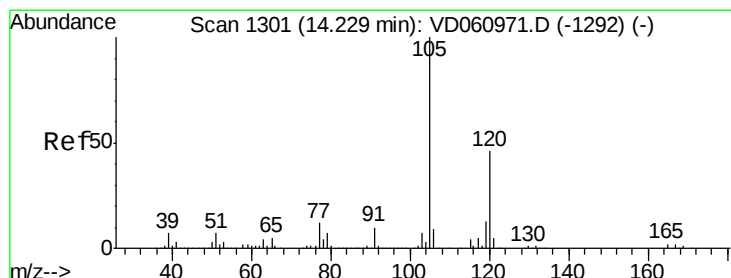
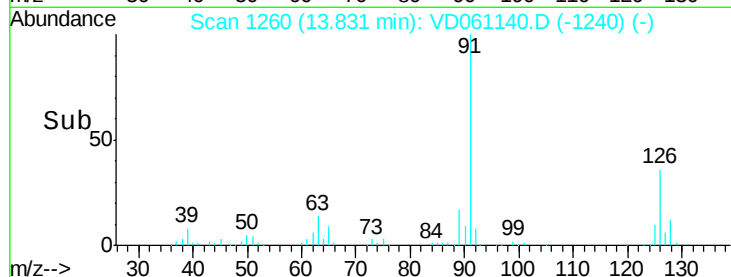
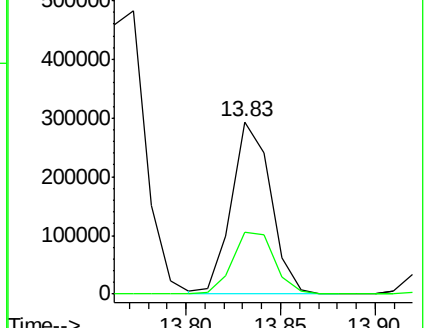
91 100

126 36.2 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.887 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VD061140.D

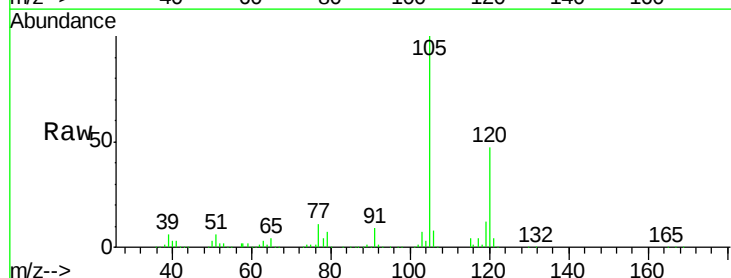
Acq: 18 Mar 2019 12:52

Tgt Ion:105 Resp: 513290

Ion Ratio Lower Upper

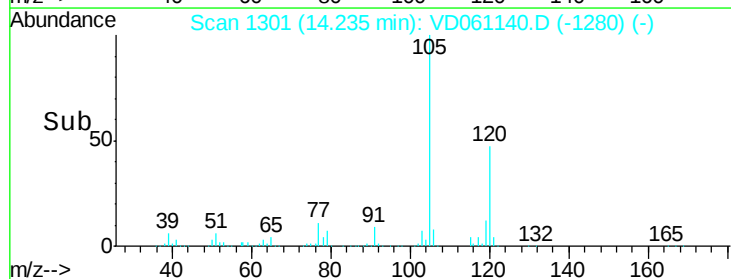
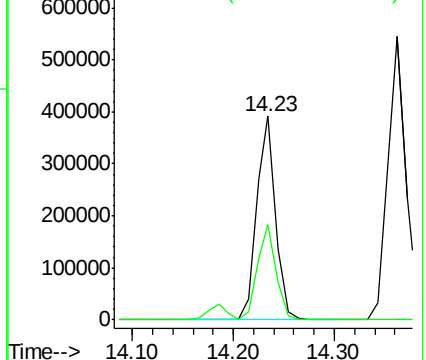
105 100

120 46.9 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 21.415 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

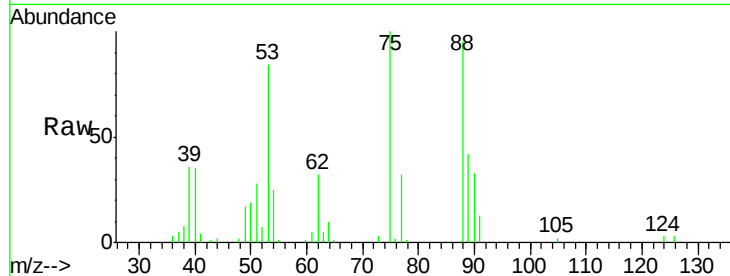
Tot Ion: 75 Resp: 38935

Ion Ratio Lower Upper

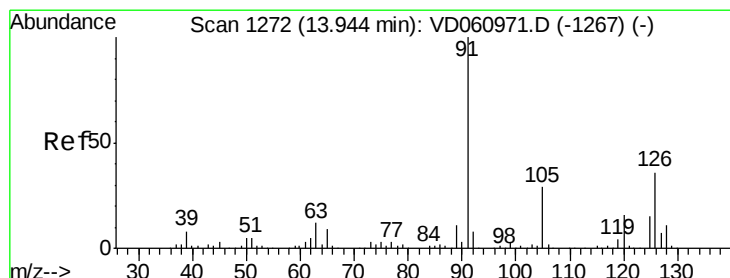
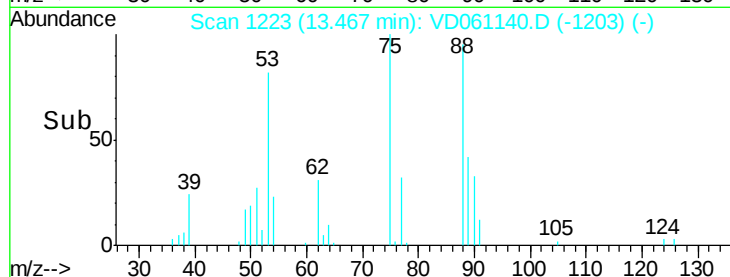
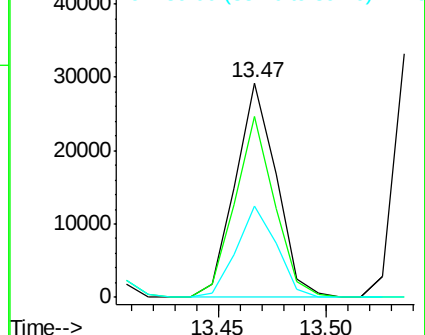
75 100

53 84.4 64.4 96.6

89 42.3 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: 19.853 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD061140.D

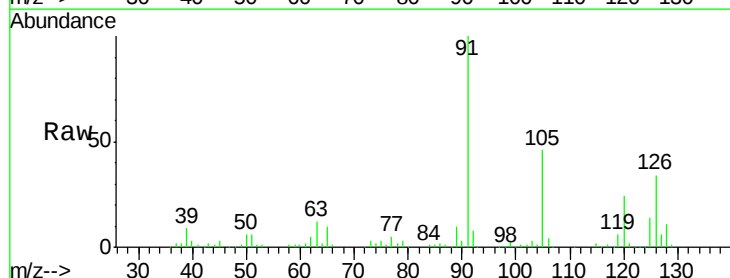
Acq: 18 Mar 2019 12:52

Tgt Ion: 91 Resp: 467281

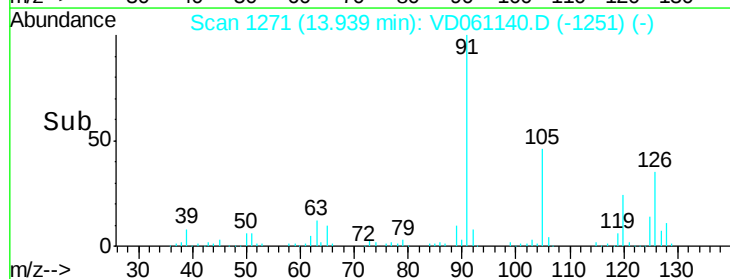
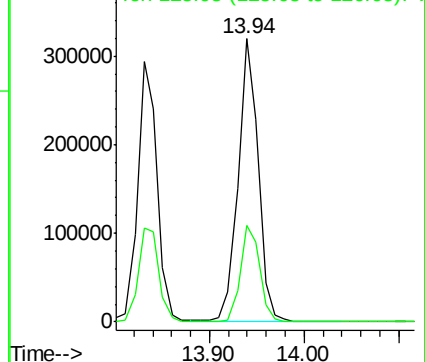
Ion Ratio Lower Upper

91 100

126 34.3 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: 21.790 ug/l

RT: 14.19 min Scan# 1296

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

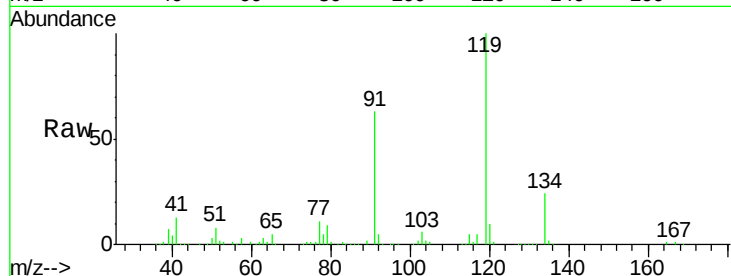
Tot Ion:119 Resp: 559242

Ion Ratio Lower Upper

119 100

91 63.2 30.1 90.3

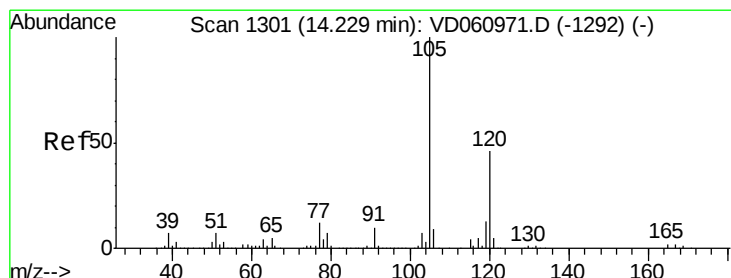
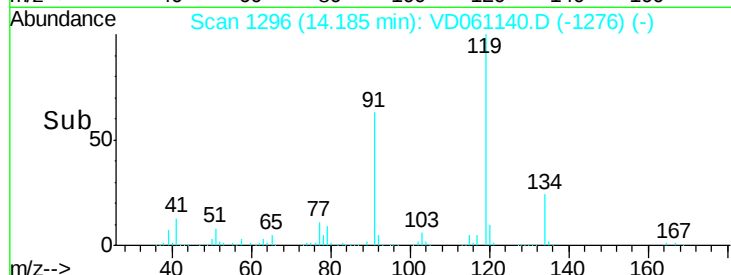
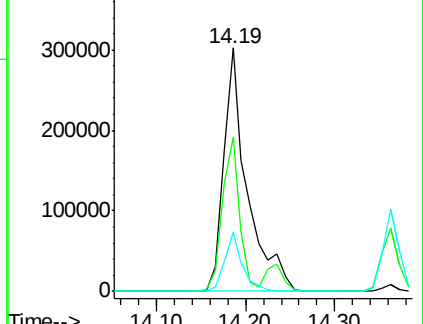
134 24.3 11.6 34.7



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: 21.887 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.01 min

Lab File: VD061140.D

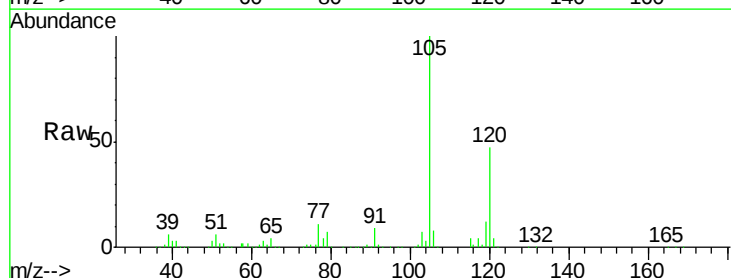
Acq: 18 Mar 2019 12:52

Tgt Ion:105 Resp: 513290

Ion Ratio Lower Upper

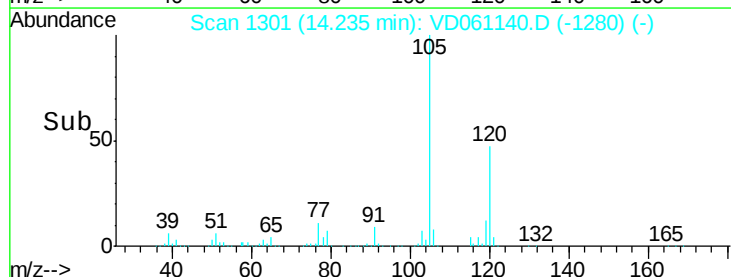
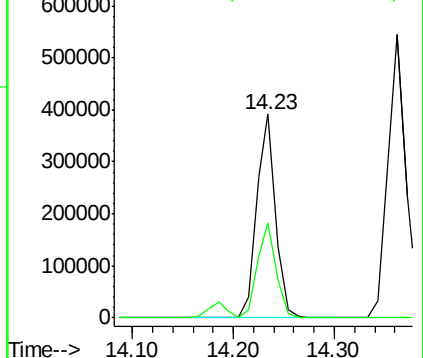
105 100

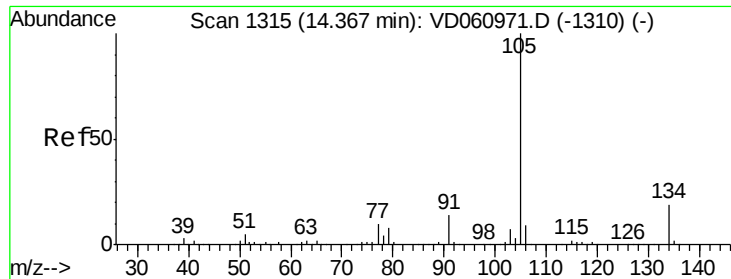
120 46.9 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 21.847 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

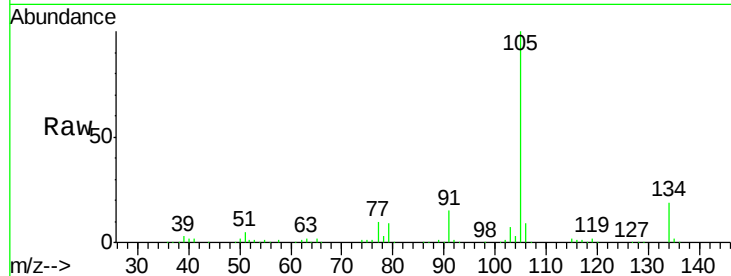
ClientSampled :

Tot Ion:105 Resp: 684500

Ion Ratio Lower Upper

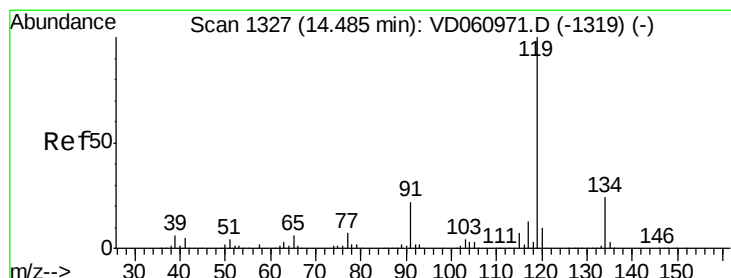
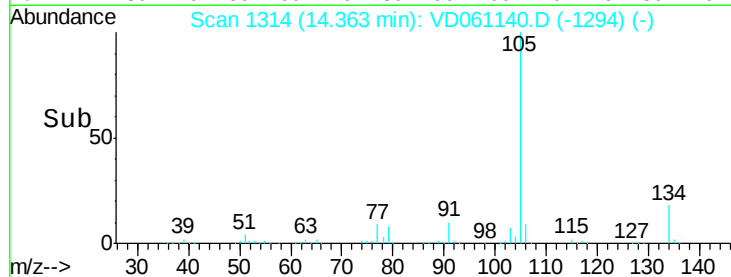
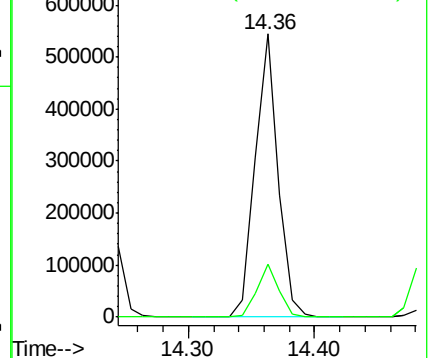
105 100

134 18.8 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.498 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

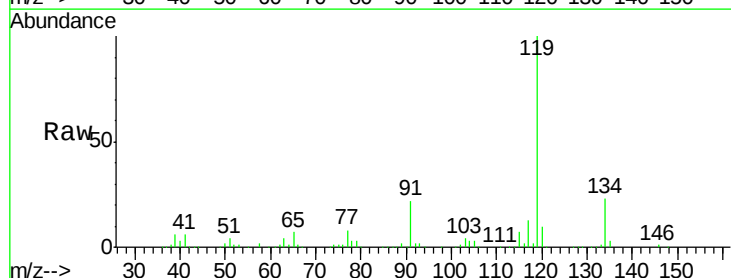
Tgt Ion:119 Resp: 576192

Ion Ratio Lower Upper

119 100

134 23.3 12.0 36.1

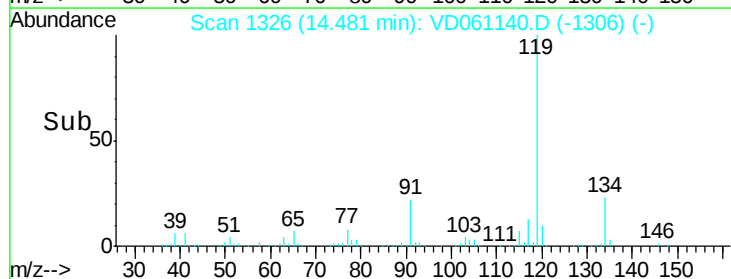
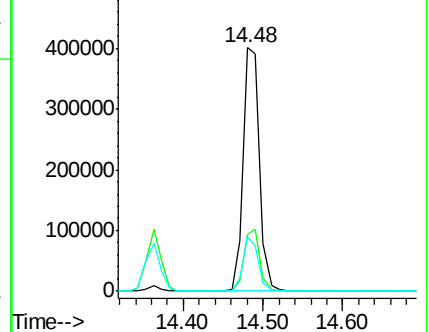
91 22.4 11.2 33.6



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

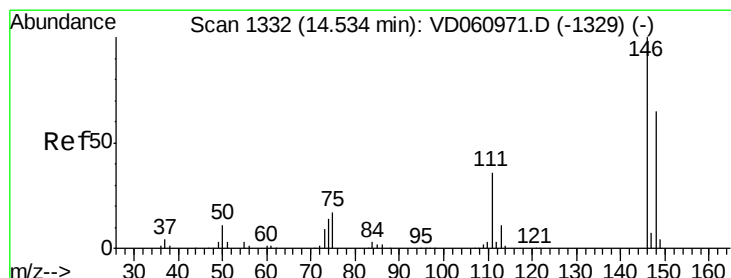
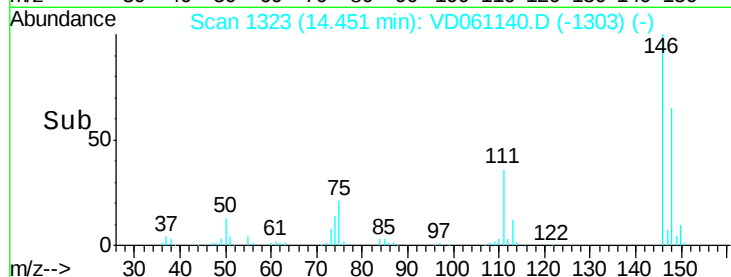
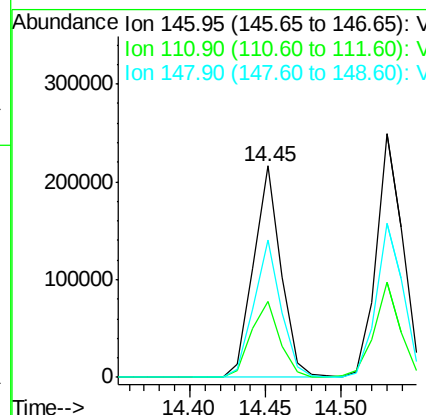
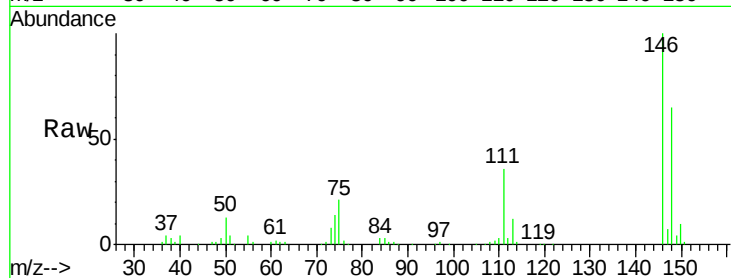




#87
 1,3-Dichlorobenzene
 Concen: 19.426 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

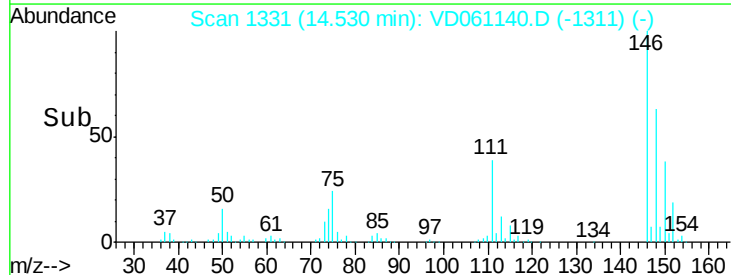
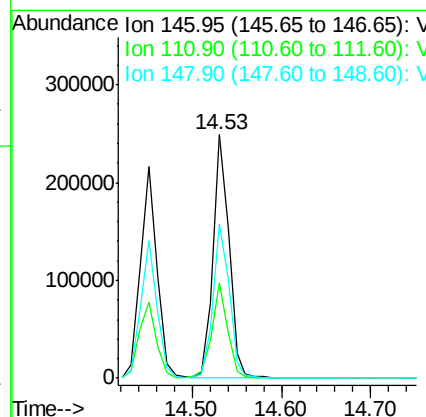
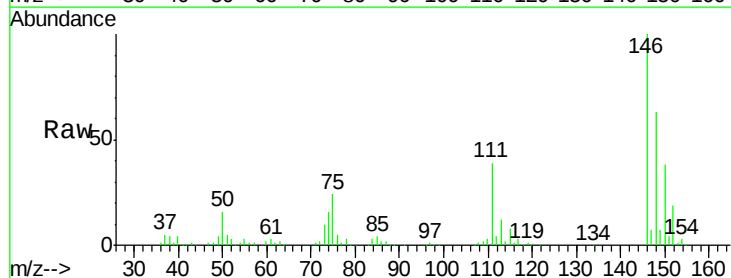
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 273545
 Ion Ratio Lower Upper
 146 100
 111 36.0 18.4 55.4
 148 65.3 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 22.221 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

Tgt Ion:146 Resp: 307479
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.4 55.2
 148 63.5 32.5 97.5





#89

n-Butylbenzene

Concen: 19.567 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

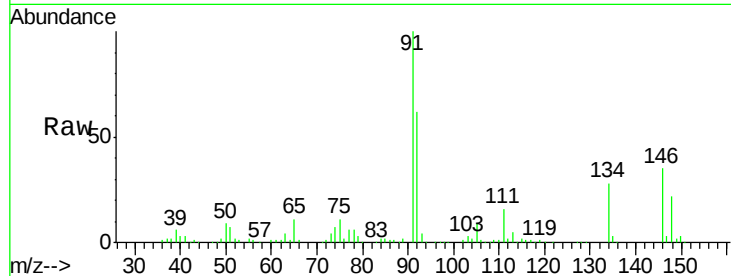
Tot Ion: 91 Resp: 481233

Ion Ratio Lower Upper

91 100

92 61.6 30.6 91.8

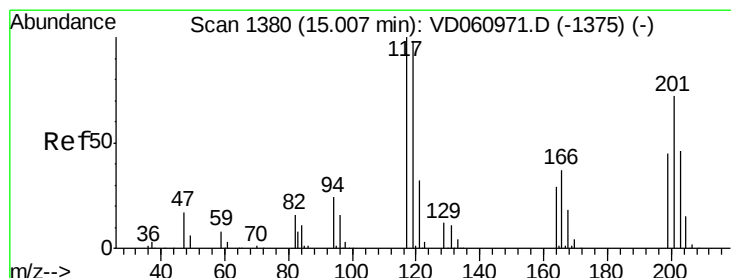
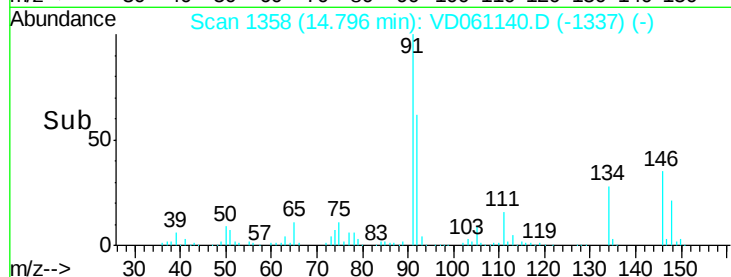
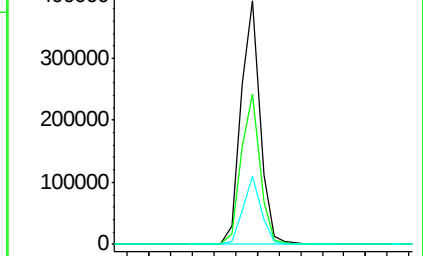
134 27.9 11.0 33.0



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: 21.492 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061140.D

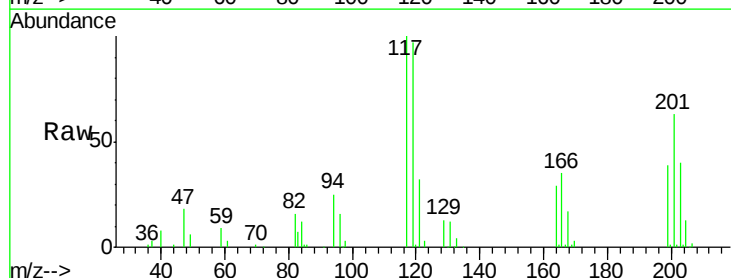
Acq: 18 Mar 2019 12:52

Tgt Ion: 117 Resp: 155425

Ion Ratio Lower Upper

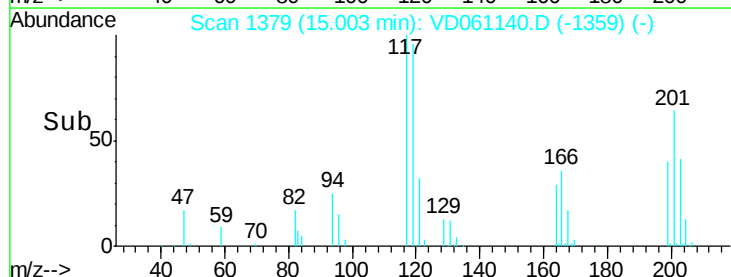
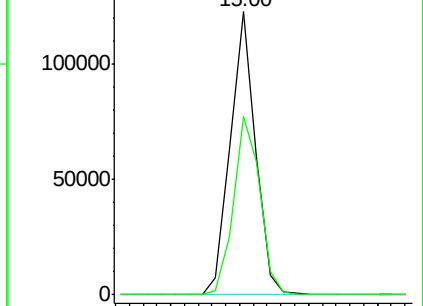
117 100

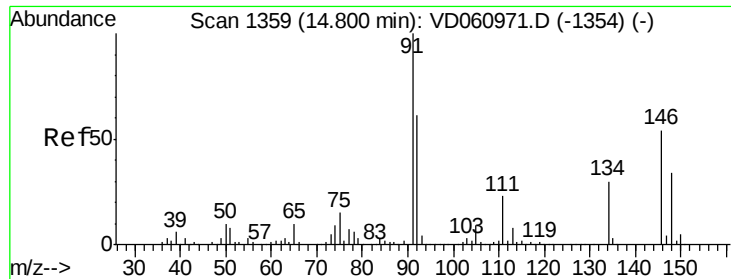
201 63.0 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

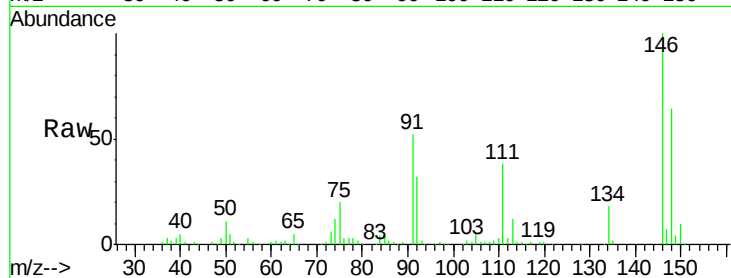




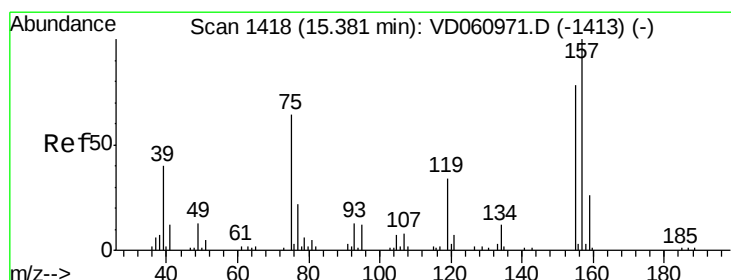
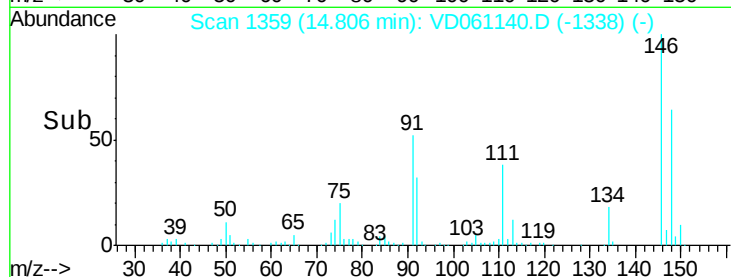
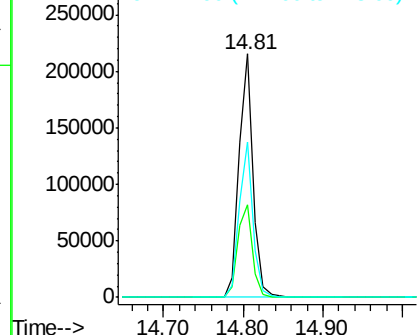
#91
 1,2-Dichlorobenzene
 Concen: 22.793 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 267565
 Ion Ratio Lower Upper
 146 100
 111 38.0 21.5 64.5
 148 64.0 30.9 92.8

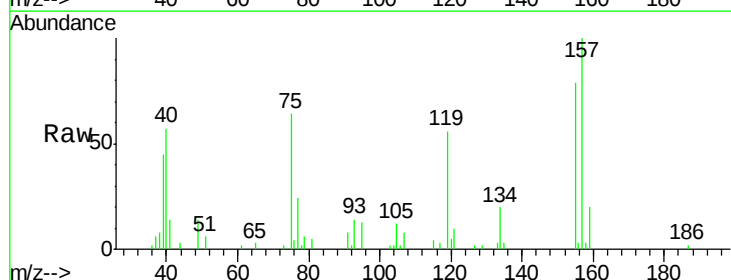


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

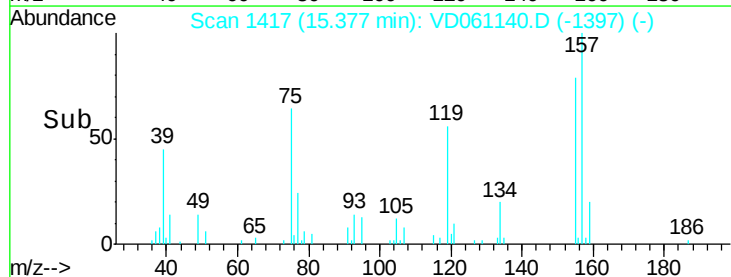
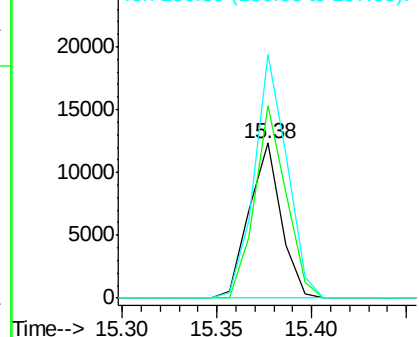


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.865 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

Tgt Ion: 75 Resp: 14428
 Ion Ratio Lower Upper
 75 100
 155 124.3 61.2 183.5
 157 157.3 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

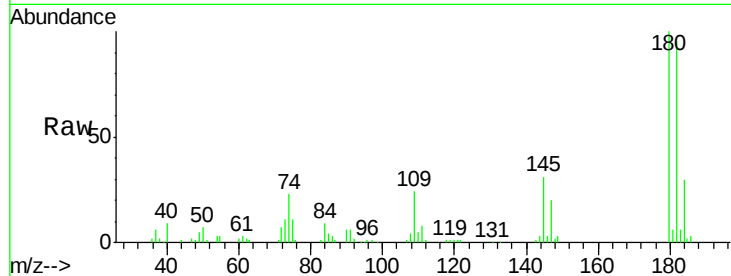




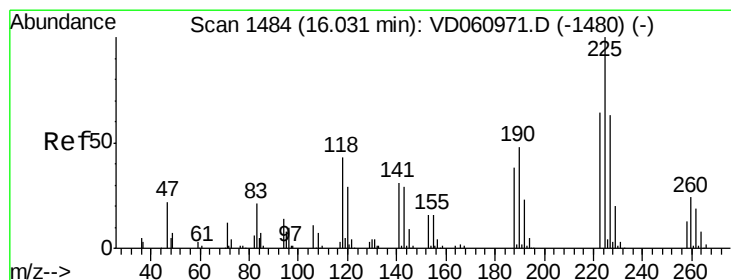
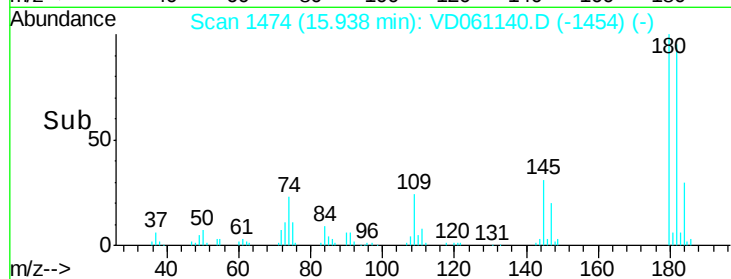
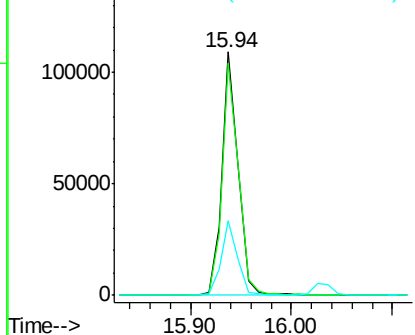
#93
 1,2,4-Trichlorobenzene
 Concen: 22.591 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 123020
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.3 142.0
 145 30.9 14.4 43.0

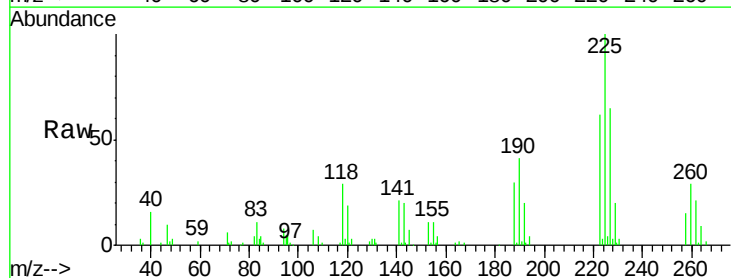


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

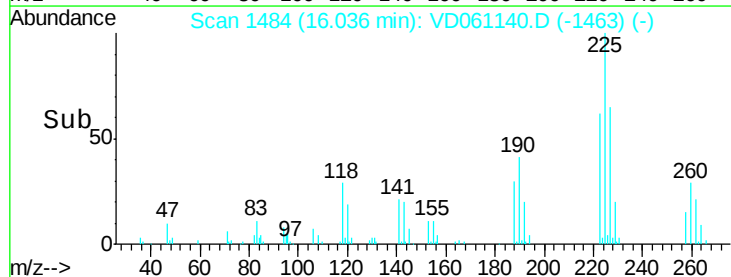
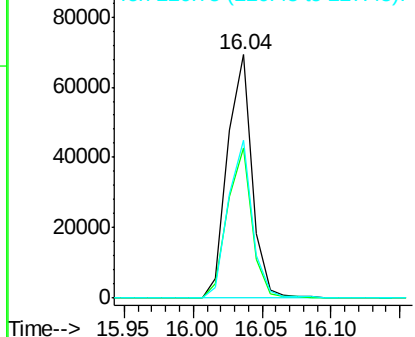


#94
 Hexachlorobutadiene
 Concen: 20.845 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061140.D
 Acq: 18 Mar 2019 12:52

Tgt Ion:225 Resp: 85860
 Ion Ratio Lower Upper
 225 100
 223 61.7 31.8 95.3
 227 64.8 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: 21.621 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

Instrument :

MSVOA_D

ClientSampleId :

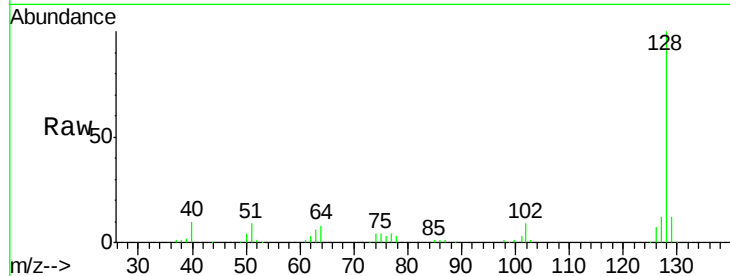
Tot Ion:128 Resp: 178918

Ion Ratio Lower Upper

128 100

127 12.0 9.8 14.8

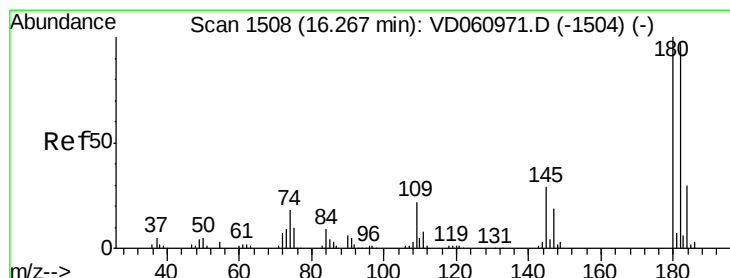
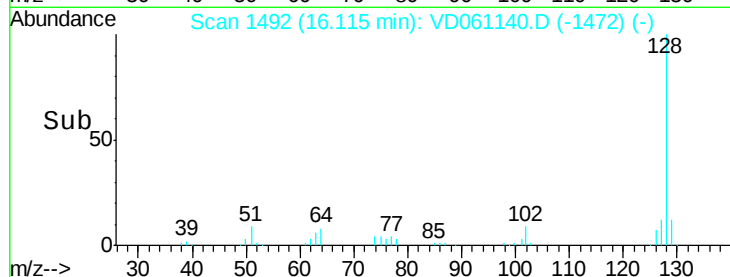
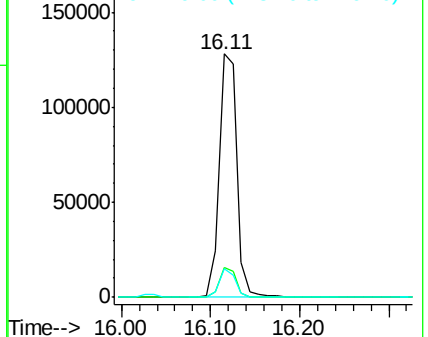
129 11.6 8.5 12.7



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: 21.667 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VD061140.D

Acq: 18 Mar 2019 12:52

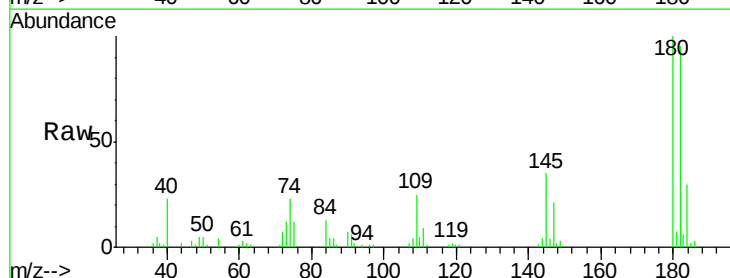
Tgt Ion:180 Resp: 58275

Ion Ratio Lower Upper

180 100

182 95.2 48.6 145.8

145 34.5 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

