

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061639.D
 Acq On : 6 Apr 2019 13:02
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 08 07:06:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 07:00:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	713155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1133532	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	891322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	410353	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	243436	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
35) Dibromofluoromethane	6.92	113	383279	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	
50) Toluene-d8	10.40	98	908300	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
62) 4-Bromofluorobenzene	13.55	95	341835	47.01	ug/l	0.00
Spiked Amount			Recovery	=	94.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	373492	49.912	ug/l	99
3) Chloromethane	1.76	50	297798	49.319	ug/l	91
4) Vinyl Chloride	1.85	62	289028	49.830	ug/l	96
5) Bromomethane	2.15	94	73237	56.347	ug/l	95
6) Chloroethane	2.27	64	111426	61.141	ug/l	97
7) Trichlorofluoromethane	2.54	101	438783	51.400	ug/l	99
8) Diethyl Ether	2.87	74	126162	51.027	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	416946	49.060	ug/l	97
10) Methyl Iodide	3.31	142	690466	63.124	ug/l	99
11) Tert butyl alcohol	4.05	59	83585	230.298	ug/l #	94
12) 1,1-Dichloroethene	3.14	96	364160	49.407	ug/l	99
13) Acrolein	3.03	56	104155	238.910	ug/l	96
14) Allyl chloride	3.62	41	526346	51.410	ug/l	98
15) Acrylonitrile	4.19	53	293967	245.808	ug/l	99
16) Acetone	3.22	43	456849	291.392	ug/l	99
17) Carbon Disulfide	3.39	76	1256017	52.412	ug/l	99
18) Methyl Acetate	3.64	43	146090	47.941	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	661820	52.401	ug/l	99
20) Methylene Chloride	3.82	84	399558	44.609	ug/l	99
21) trans-1,2-Dichloroethene	4.22	96	425313	53.510	ug/l	95
22) Diisopropyl ether	5.12	45	1064331	50.687	ug/l	97
23) Vinyl Acetate	5.06	43	2909681	250.687	ug/l	100
24) 1,1-Dichloroethane	4.99	63	616890	47.671	ug/l	98
25) 2-Butanone	6.06	43	489239	267.015	ug/l	99
26) 2,2-Dichloropropane	6.02	77	546592	51.989	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	454643	53.673	ug/l	98
28) Bromochloromethane	6.44	49	244829	52.978	ug/l	94
29) Tetrahydrofuran	6.45	42	225666	257.174	ug/l	100
30) Chloroform	6.66	83	662324	49.180	ug/l	97
31) Cyclohexane	6.95	56	541540	54.577	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	618816	52.314	ug/l	99
36) 1,1-Dichloropropene	7.15	75	515311	50.846	ug/l	100
37) Ethyl Acetate	6.17	43	217468	51.689	ug/l	98
38) Carbon Tetrachloride	7.12	117	662273	56.571	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	524069	49.603	ug/l	99
40) Benzene	7.45	78	1285999	52.444	ug/l	99
41) Methacrylonitrile	6.45	41	250477	52.824	ug/l #	93
42) 1,2-Dichloroethane	7.58	62	403152	52.017	ug/l	95
43) Isopropyl Acetate	9.23	43	317286	52.478	ug/l	99
44) Trichloroethene	8.53	130	494549	52.942	ug/l	98
45) 1,2-Dichloropropane	8.94	63	313816	52.245	ug/l	98
46) Dibromomethane	9.06	93	234718	55.129	ug/l	94
47) Bromodichloromethane	9.37	83	531957	55.894	ug/l	99
48) Methyl methacrylate	9.11	41	182368	54.551	ug/l	98
49) 1,4-Dioxane	9.08	88	40413	1092.161	ug/l #	87
51) 4-Methyl-2-Pentanone	10.30	43	975271	273.948	ug/l	99
52) Toluene	10.50	92	789841	51.998	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	469280	55.833	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	550194	53.138	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	260311	51.977	ug/l	98
56) Ethyl methacrylate	11.03	69	283027	52.011	ug/l	96
57) 1,3-Dichloropropane	11.41	76	388647	51.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	597688	242.436	ug/l	98
59) 2-Hexanone	11.53	43	722162	268.791	ug/l	98
60) Dibromochloromethane	11.68	129	430908	54.054	ug/l	99
61) 1,2-Dibromoethane	11.80	107	309477	52.365	ug/l	95
64) Tetrachloroethene	11.25	164	365548	53.745	ug/l	98
65) Chlorobenzene	12.39	112	981809	55.872	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	386120	55.256	ug/l	98
67) Ethyl Benzene	12.52	91	1488325	53.170	ug/l	99
68) m/p-Xylenes	12.67	106	1121211	108.443	ug/l	96
69) o-Xylene	13.04	106	538295	53.833	ug/l	98
70) Styrene	13.07	104	1017113	59.399	ug/l	98
71) Bromoform	13.23	173	227916	54.654	ug/l	98
73) Isopropylbenzene	13.40	105	1554640	56.290	ug/l	100
74) N-amyl acetate	13.26	43	376290	50.411	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	296784	53.740	ug/l	97
76) 1,2,3-Trichloropropane	13.73	75	307547	55.851	ug/l	99
77) Bromobenzene	13.66	156	420428	51.959	ug/l	96
78) n-propylbenzene	13.77	91	1804478	55.544	ug/l	97
79) 2-Chlorotoluene	13.84	91	995423	53.583	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1147464	52.938	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	86601	50.814	ug/l	93
82) 4-Chlorotoluene	13.95	91	1138536	56.090	ug/l	99
83) tert-Butylbenzene	14.18	119	1405975	54.217	ug/l	100
84) 1,2,4-Trimethylbenzene	14.23	105	1108051	49.747	ug/l	98
85) sec-Butylbenzene	14.36	105	1496401	54.026	ug/l	98
86) p-Isopropyltoluene	14.49	119	1280491	50.112	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	697698	50.631	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	713218	52.253	ug/l	99
89) n-Butylbenzene	14.79	91	1145044	52.197	ug/l	99
90) Hexachloroethane	15.00	117	369775	56.062	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	577460	51.101	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	37173	53.800	ug/l	96

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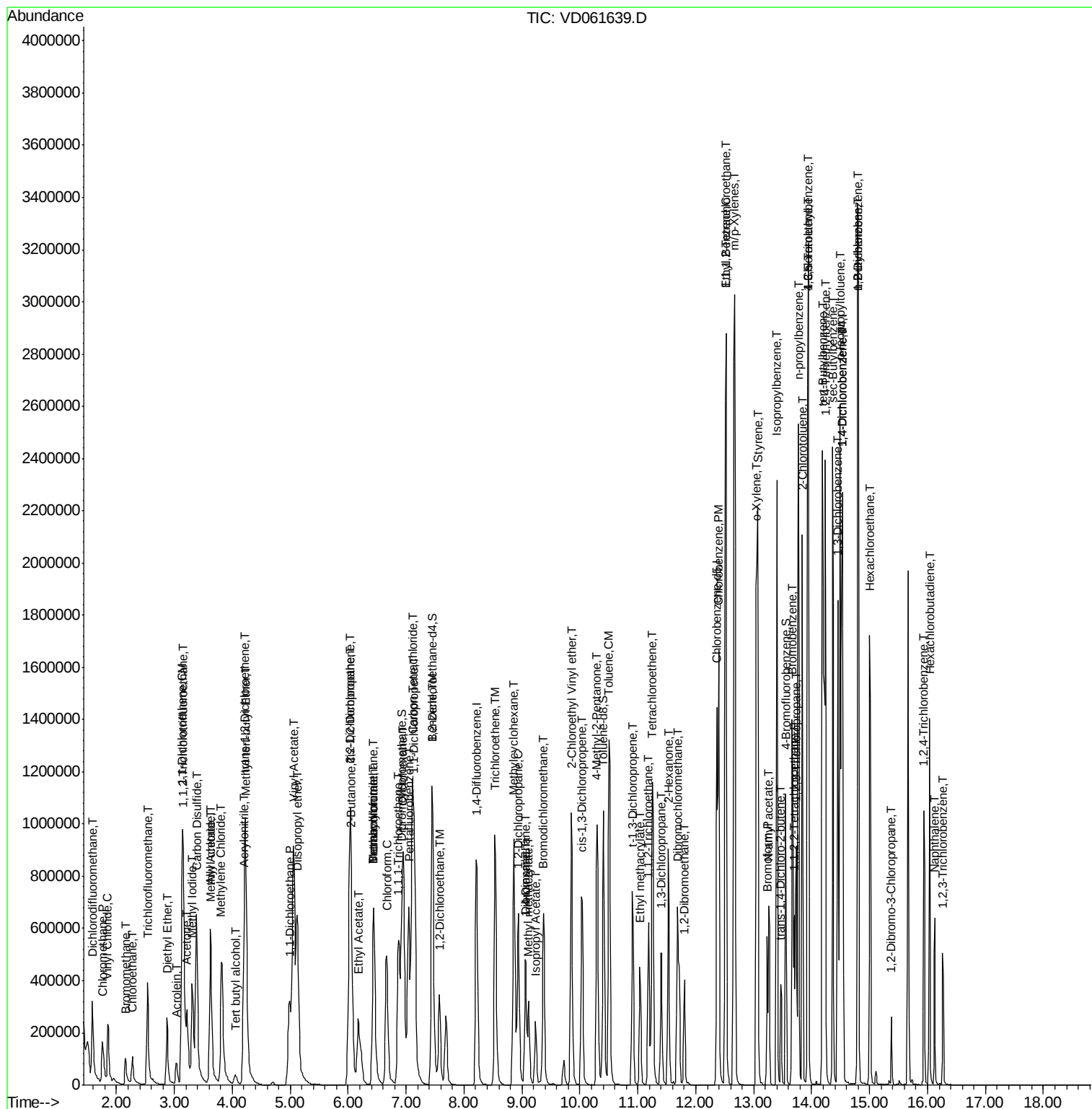
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	292393	51.146	ug/l	99
94) Hexachlorobutadiene	16.04	225	237653	54.025	ug/l	99
95) Naphthalene	16.12	128	434587	48.202	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	137100	48.435	ug/l	95

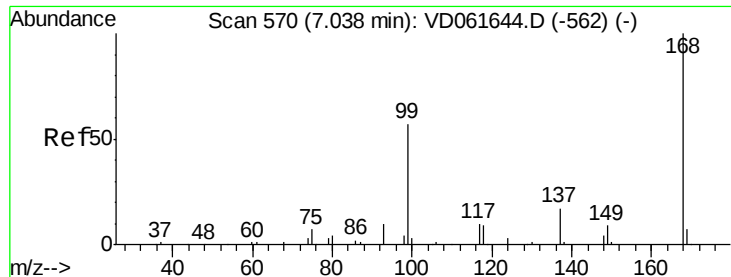
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

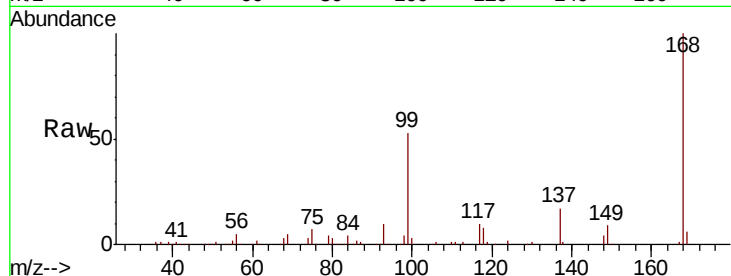
ClientSampled :

Tot Ion:168 Resp: 713155

Ion Ratio Lower Upper

168 100

99 52.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

250000

200000

150000

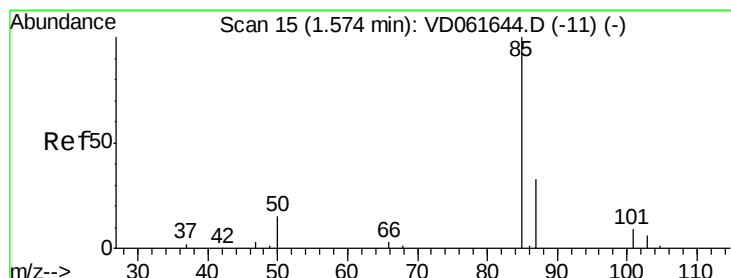
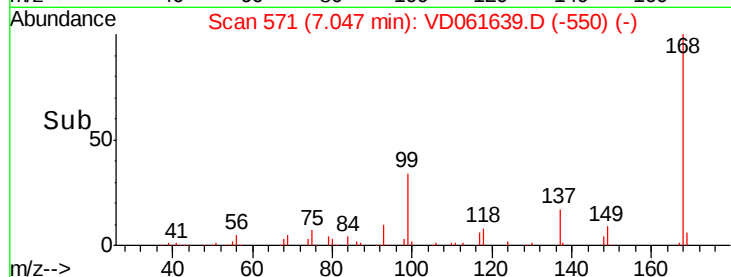
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.912 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061639.D

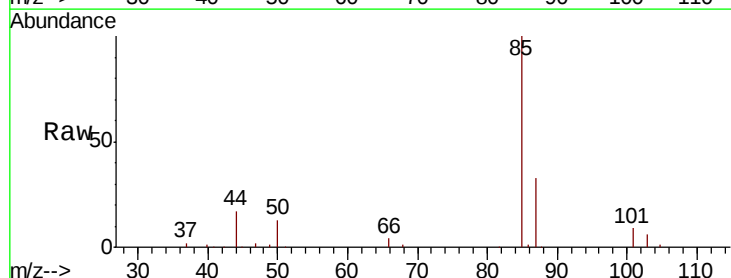
Acq: 6 Apr 2019 13:02

Tgt Ion: 85 Resp: 373492

Ion Ratio Lower Upper

85 100

87 32.9 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

200000

150000

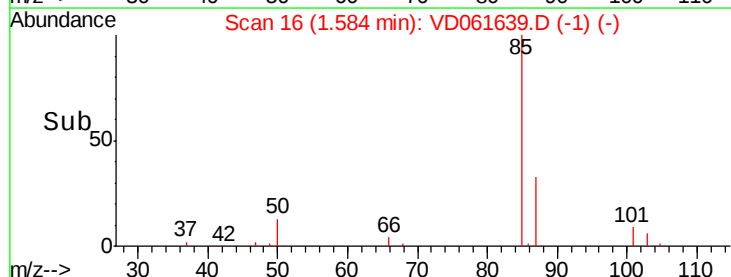
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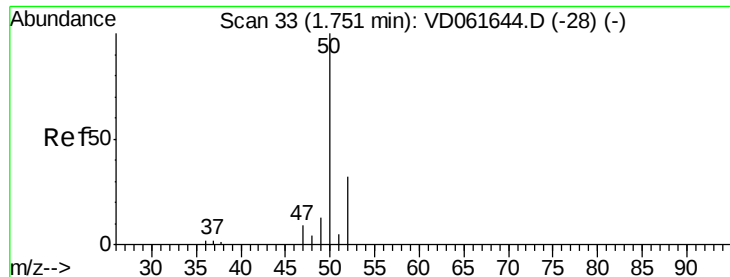
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 49.319 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

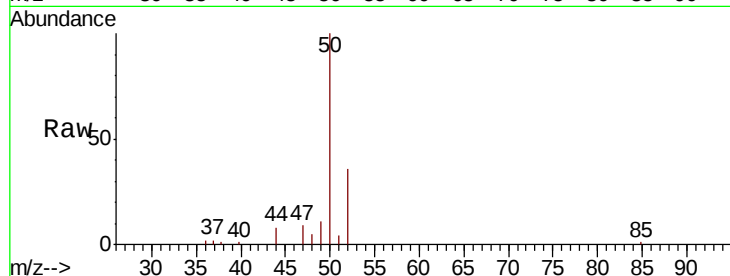
ClientSampleId :

Tot Ion: 50 Resp: 297798

Ion Ratio Lower Upper

50 100

52 36.3 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

100000

80000

60000

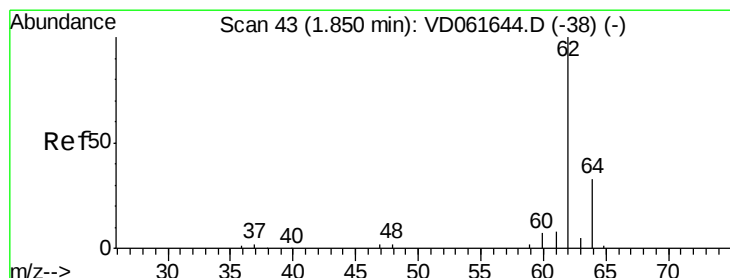
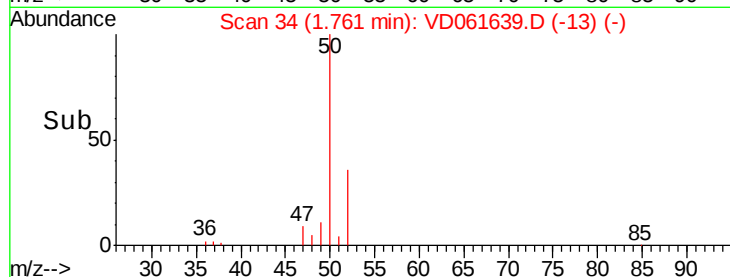
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 49.830 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061639.D

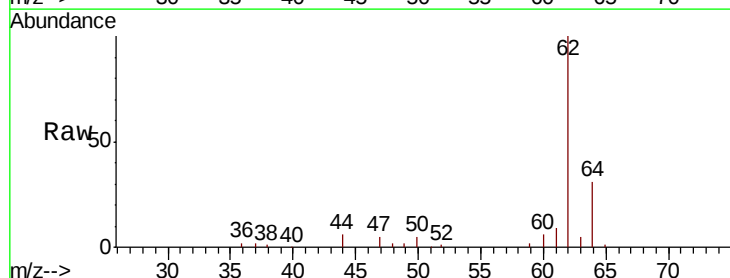
Acq: 6 Apr 2019 13:02

Tgt Ion: 62 Resp: 289028

Ion Ratio Lower Upper

62 100

64 30.7 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.85

150000

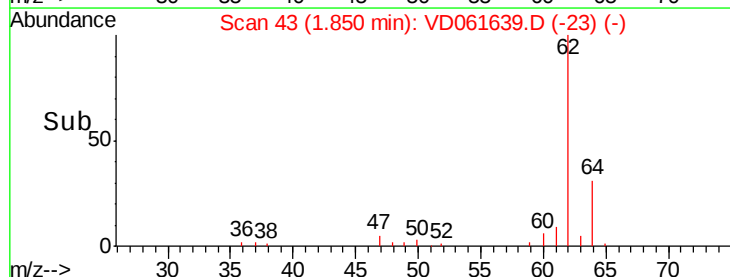
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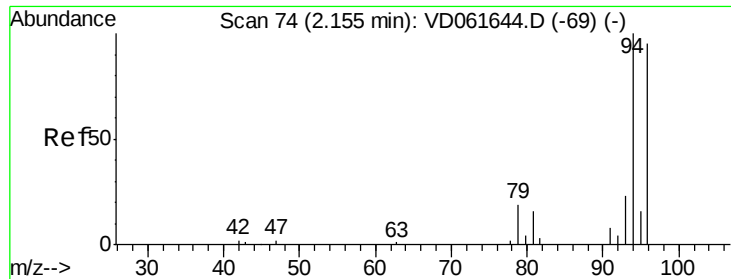
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0

1.80 1.90 2.00

Time-->

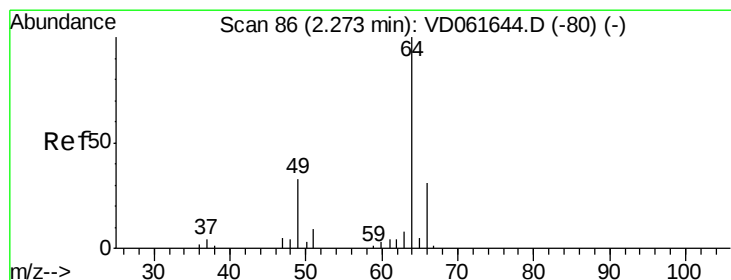
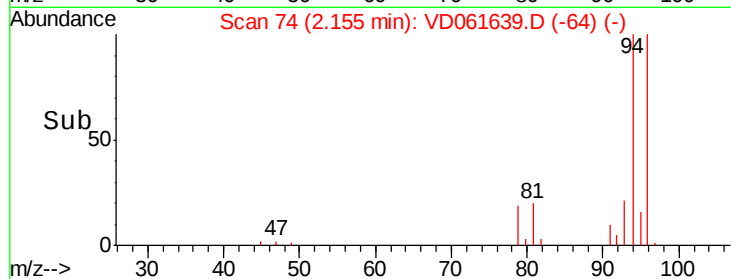
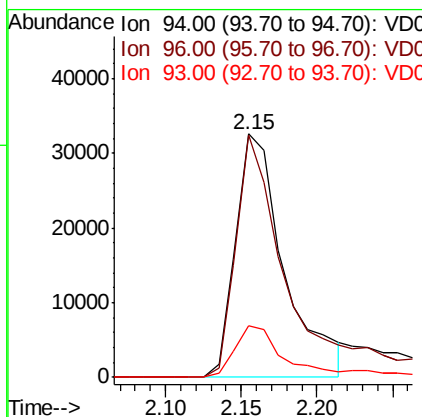
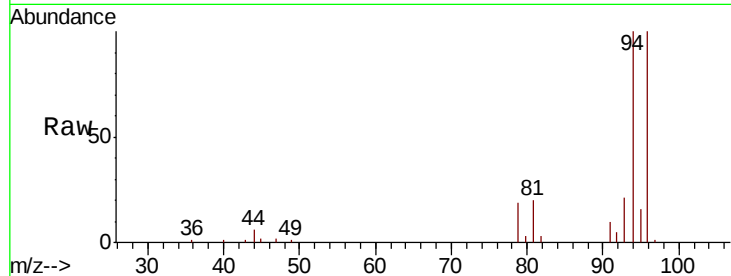




#5
Bromomethane
Concen: 56.347 ug/l
RT: 2.15 min Scan# 74
Delta R.T. -0.00 min
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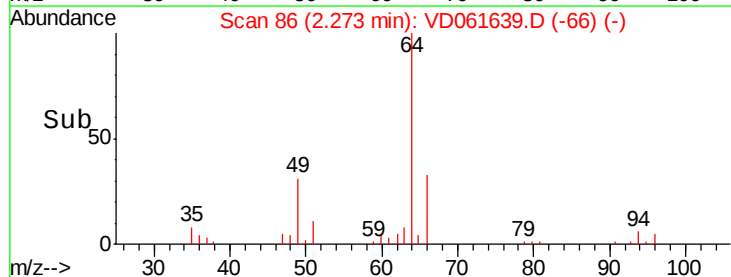
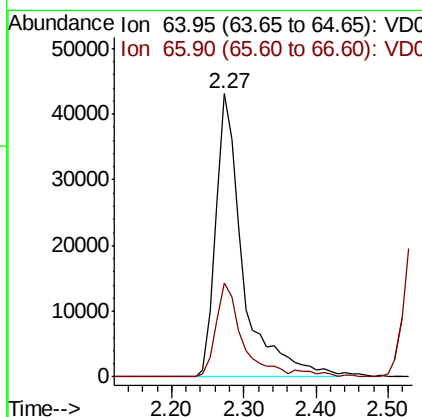
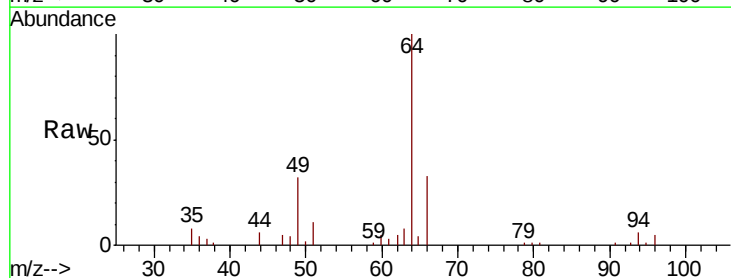
Instrument :
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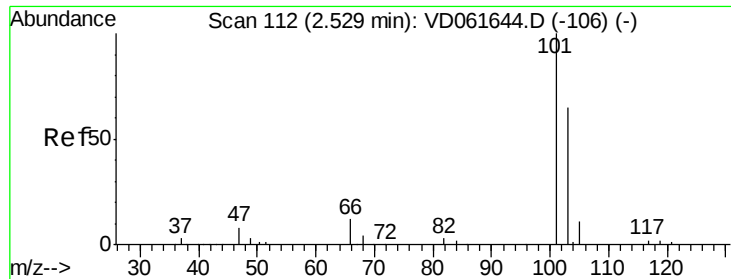
Tot Ion: 94 Resp: 73237
Ion Ratio Lower Upper
94 100
96 99.8 75.8 113.8
93 21.4 18.6 28.0



#6
Chloroethane
Concen: 61.141 ug/l
RT: 2.27 min Scan# 86
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion: 64 Resp: 111426
Ion Ratio Lower Upper
64 100
66 33.0 24.9 37.3



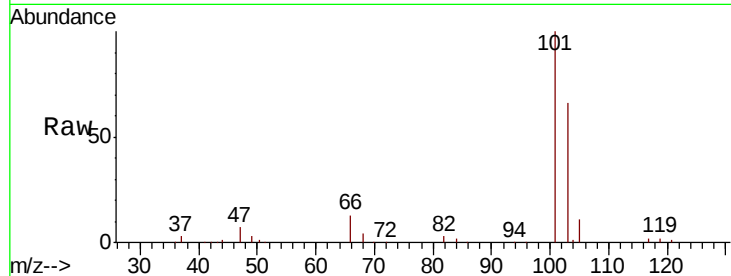


#7

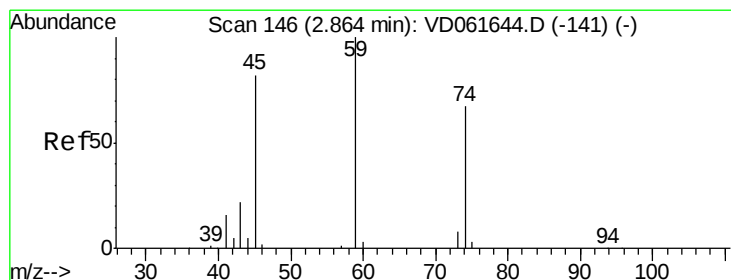
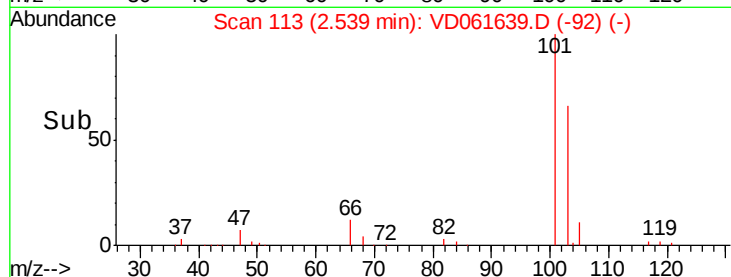
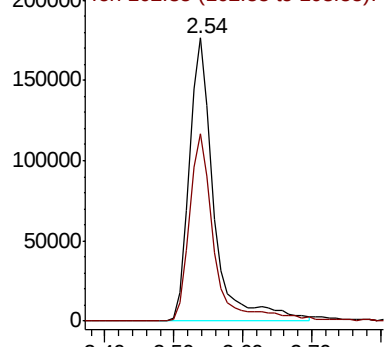
Trichlorofluoromethane
Concen: 51.400 ug/l
RT: 2.54 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 438783
Ion Ratio Lower Upper
101 100
103 66.1 52.0 78.0



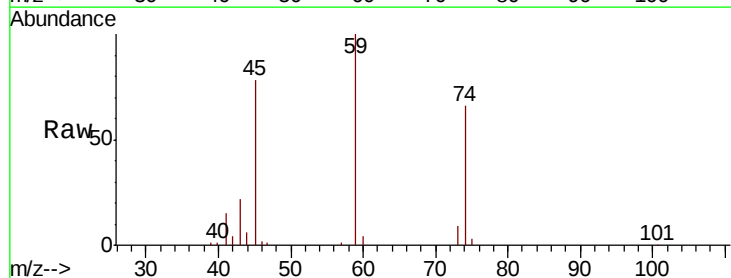
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



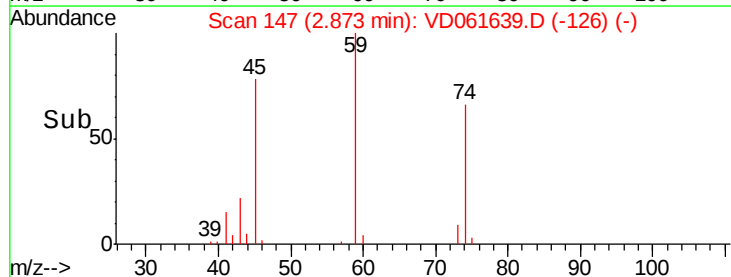
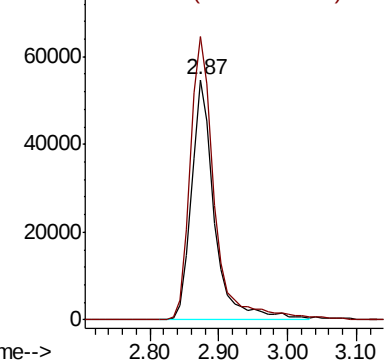
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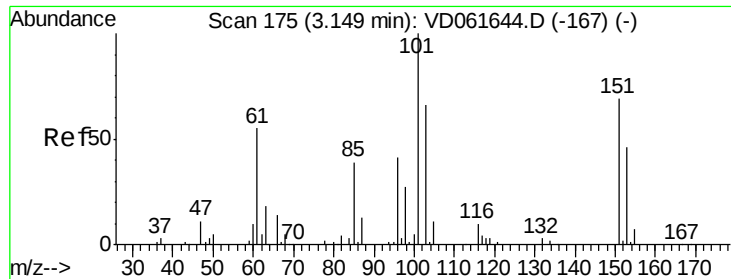
Diethyl Ether
Concen: 51.027 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion: 74 Resp: 126162
Ion Ratio Lower Upper
74 100
45 118.0 61.0 183.0



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

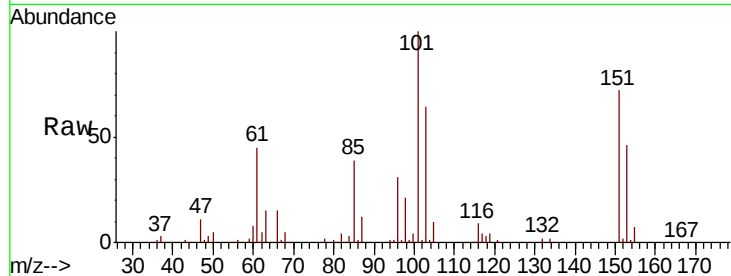




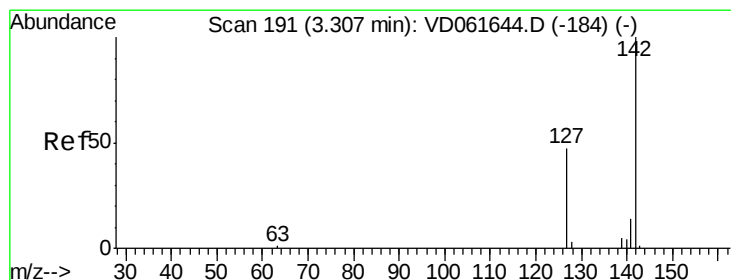
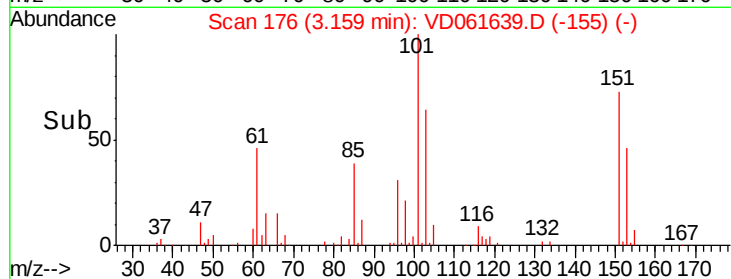
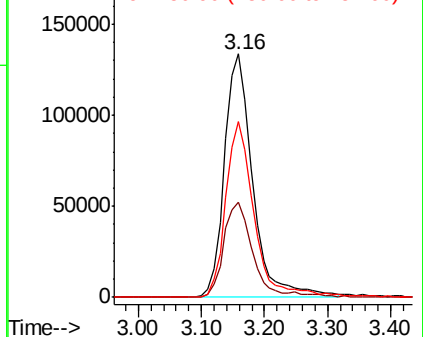
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.060 ug/l
 RT: 3.16 min Scan# 176
 Delta R.T. 0.01 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 416946
 Ion Ratio Lower Upper
 101 100
 85 39.2 31.0 46.6
 151 72.4 55.3 82.9

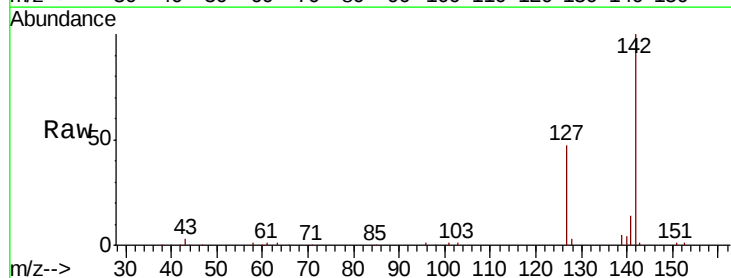


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

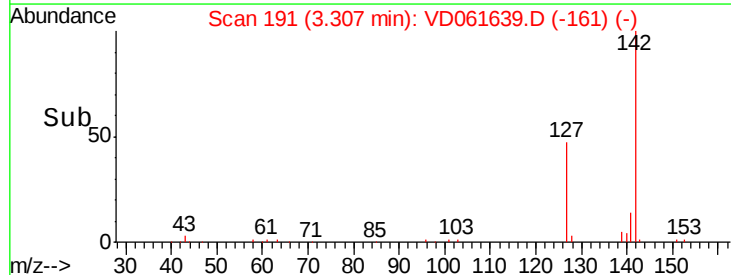
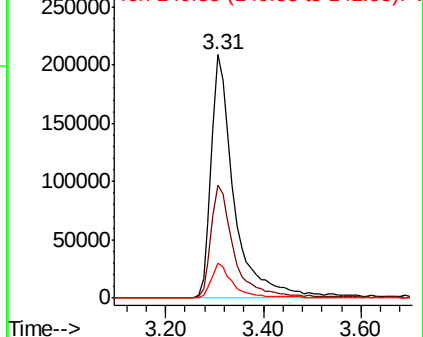


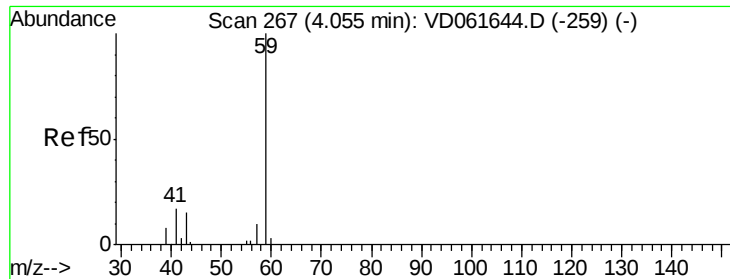
#10
 Methyl Iodide
 Concen: 63.124 ug/l
 RT: 3.31 min Scan# 191
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Tgt Ion:142 Resp: 690466
 Ion Ratio Lower Upper
 142 100
 127 46.7 37.2 55.8
 141 14.1 10.8 16.2



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

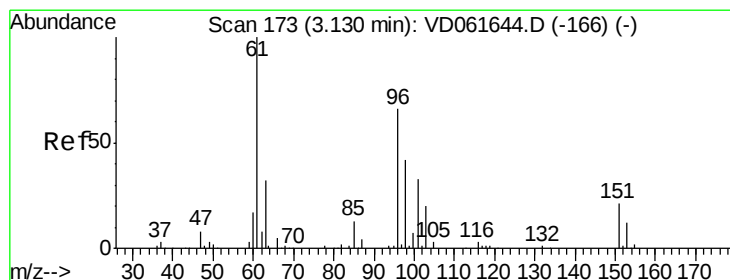
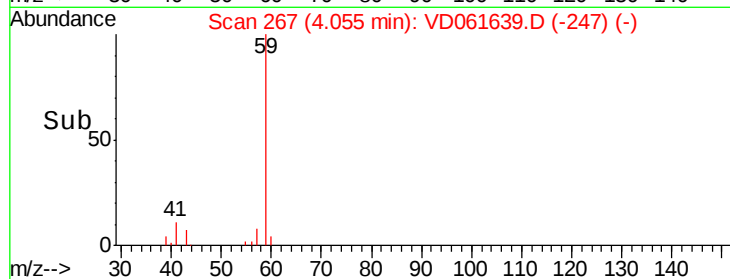
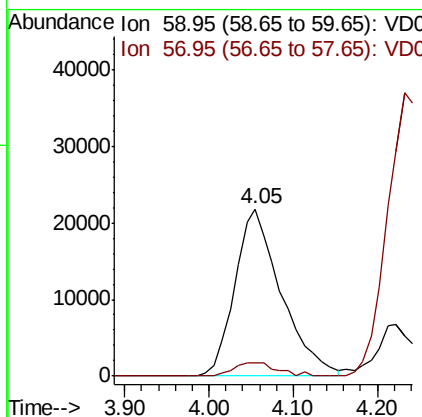
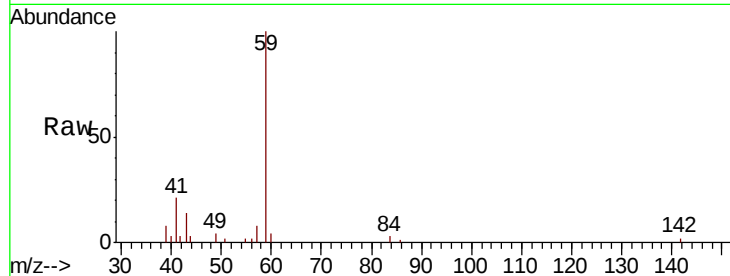




#11
Tert butyl alcohol
Concen: 230.298 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

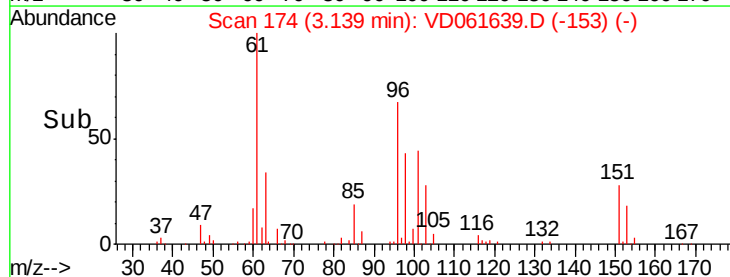
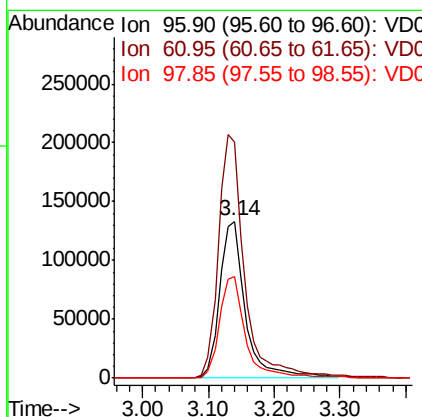
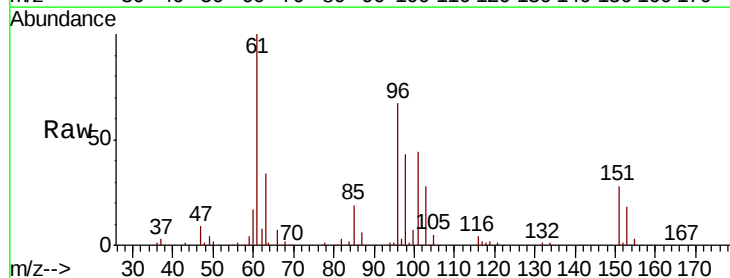
Instrument :
MSVOA_D
ClientSampleId :

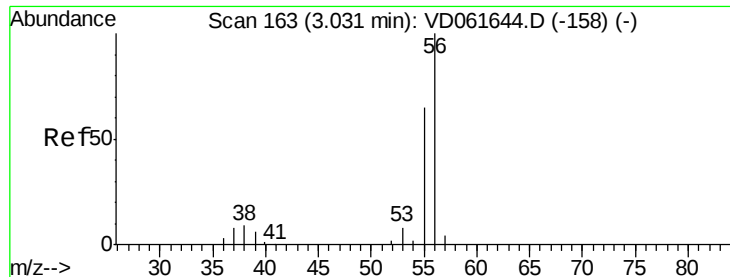
Tot Ion: 59 Resp: 83585
Ion Ratio Lower Upper
59 100
57 8.3 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 49.407 ug/l
RT: 3.14 min Scan# 174
Delta R.T. 0.01 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion: 96 Resp: 364160
Ion Ratio Lower Upper
96 100
61 150.4 121.3 181.9
98 64.4 50.6 76.0





#13

Acrolein

Concen: 238.910 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

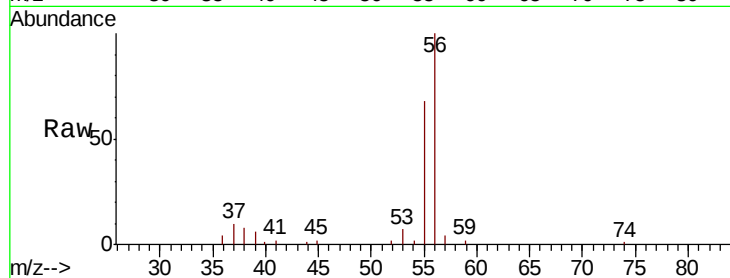
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 104155

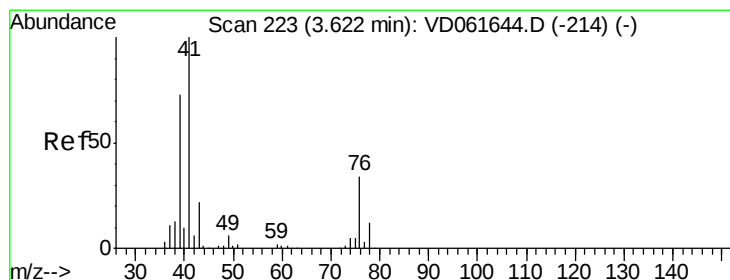
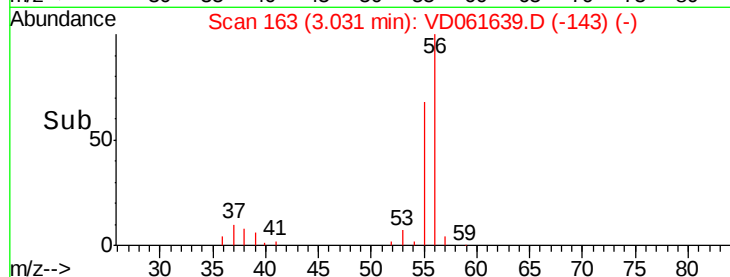
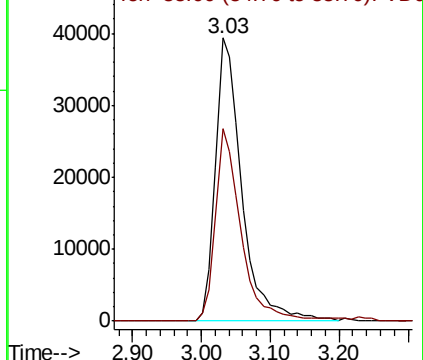
Ion Ratio Lower Upper

56 100

55 68.2 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.410 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

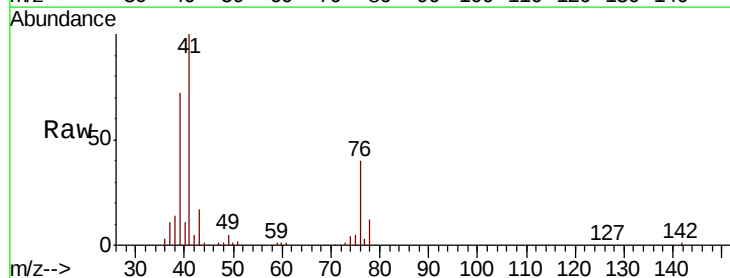
Tgt Ion: 41 Resp: 526346

Ion Ratio Lower Upper

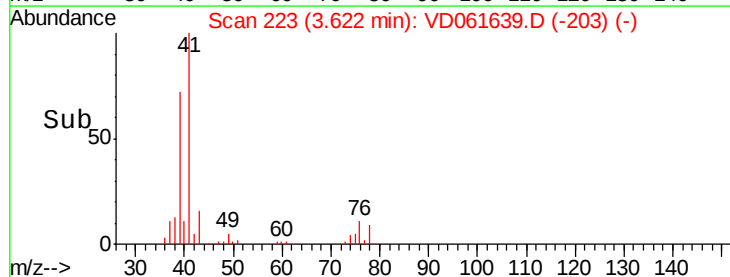
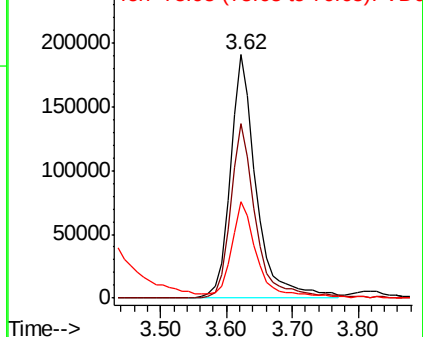
41 100

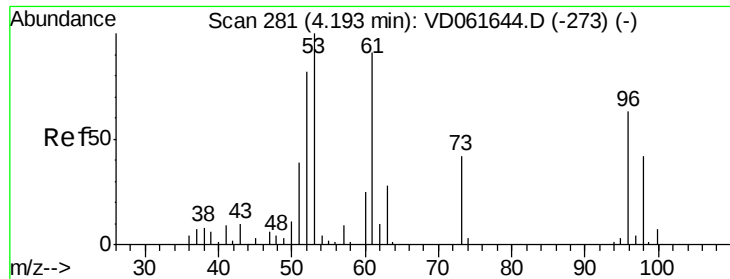
39 71.9 58.2 87.4

76 39.6 29.8 44.6



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: 245.808 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :
MSVOA_D
ClientSampled :

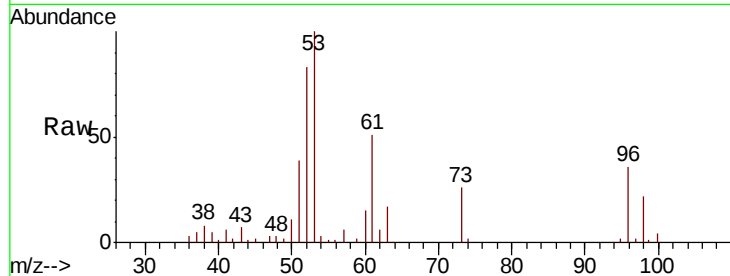
Tot Ion: 53 Resp: 293967

Ion Ratio Lower Upper

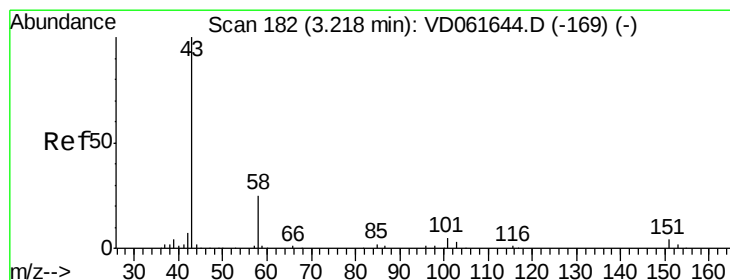
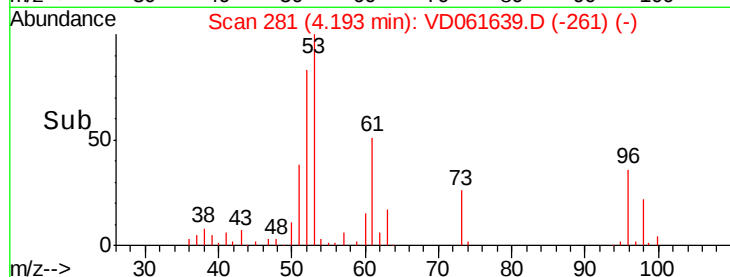
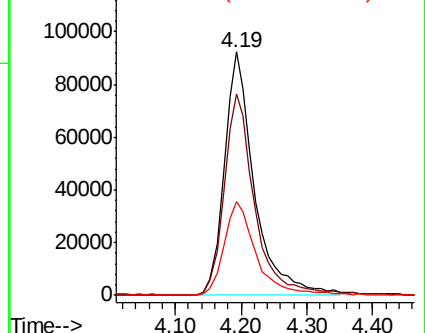
53 100

52 82.9 65.9 98.9

51 38.6 31.4 47.2



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



#16

Acetone

Concen: 291.392 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061639.D

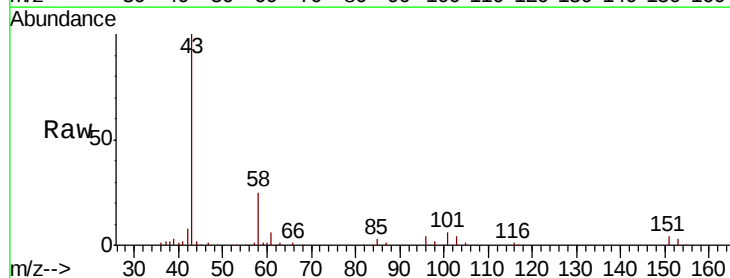
Acq: 6 Apr 2019 13:02

Tgt Ion: 43 Resp: 456849

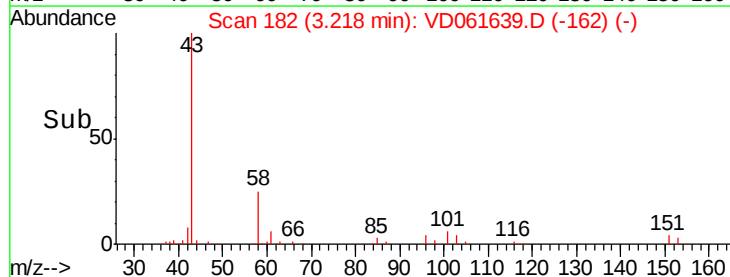
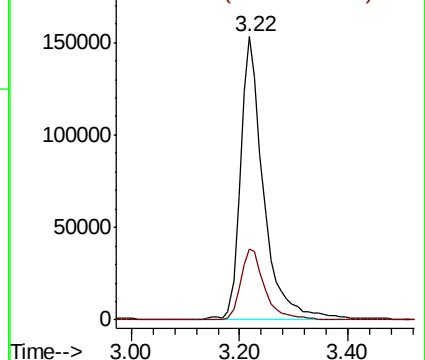
Ion Ratio Lower Upper

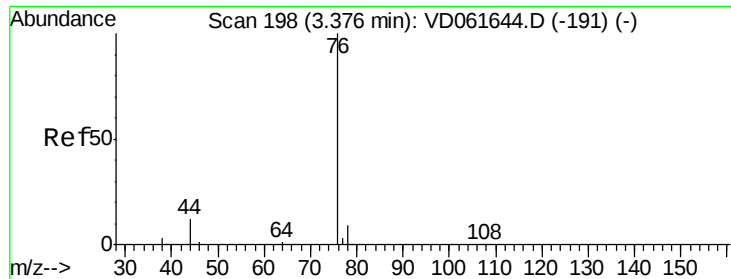
43 100

58 24.9 19.7 29.5



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

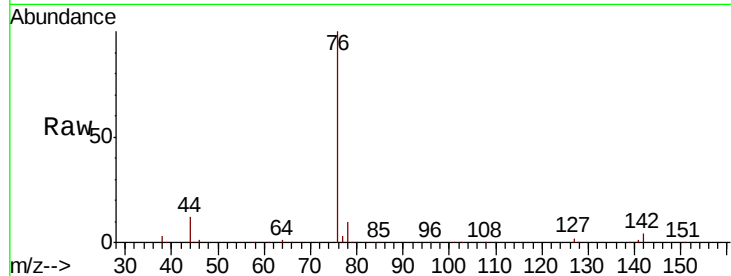




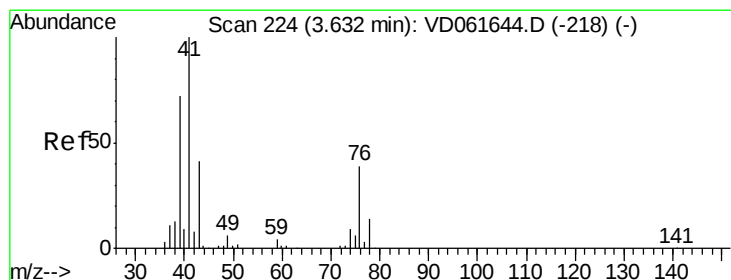
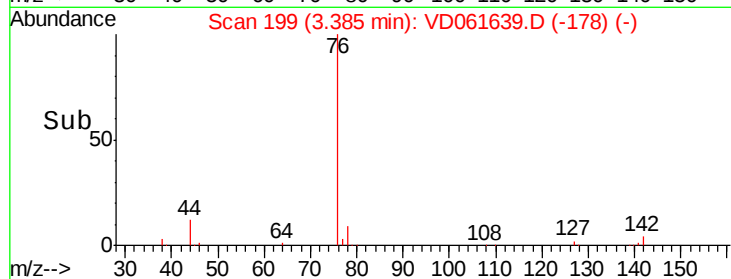
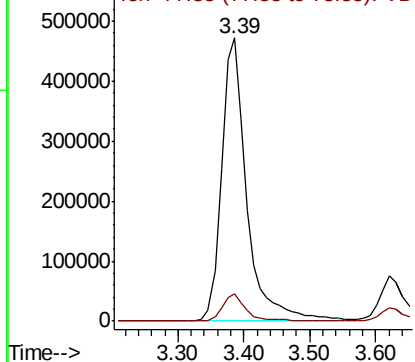
#17
Carbon Disulfide
Concen: 52.412 ug/l
RT: 3.39 min Scan# 199
Delta R.T. 0.01 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 1256017
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.2

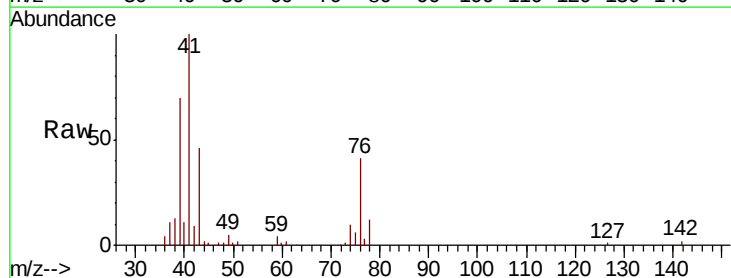


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

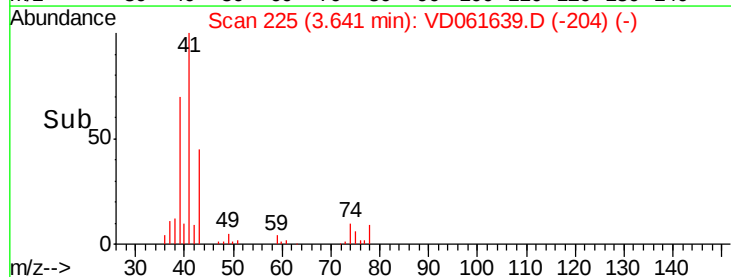
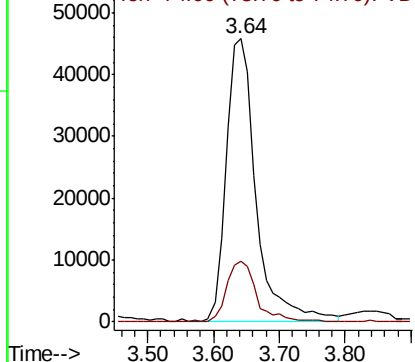


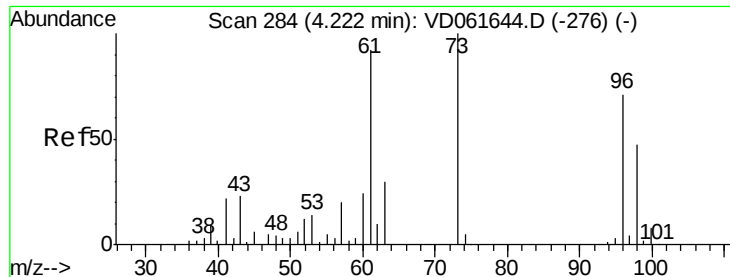
#18
Methyl Acetate
Concen: 47.941 ug/l
RT: 3.64 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion: 43 Resp: 146090
Ion Ratio Lower Upper
43 100
74 21.4 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC

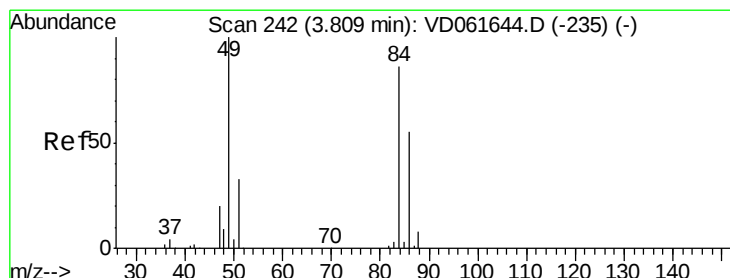
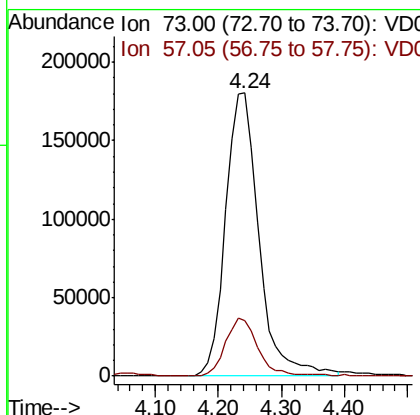
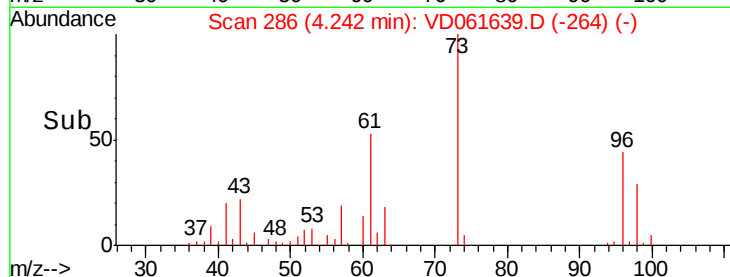
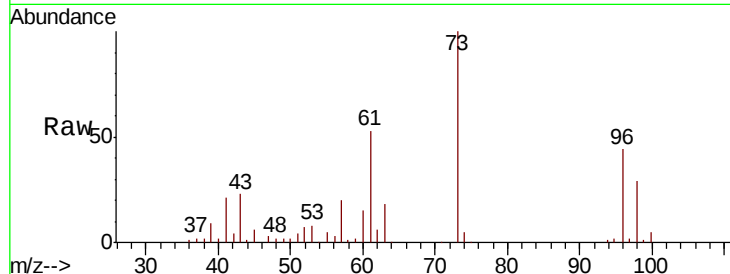




#19
Methyl tert-butyl Ether
Concen: 52.401 ug/l
RT: 4.24 min Scan# 286
Delta R.T. 0.02 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

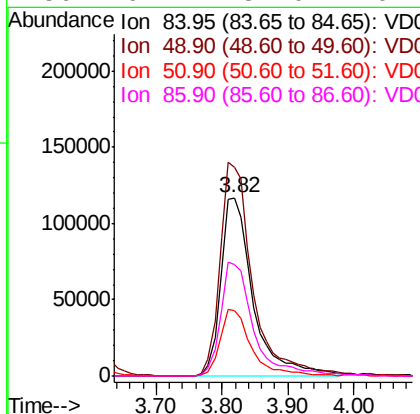
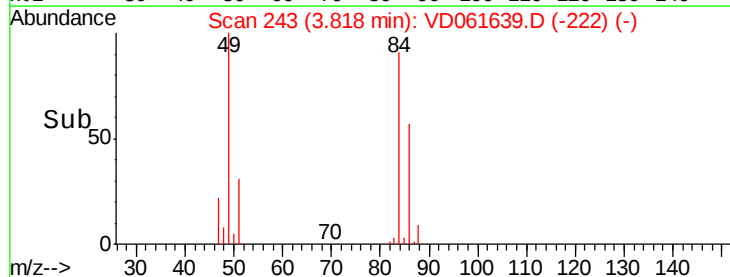
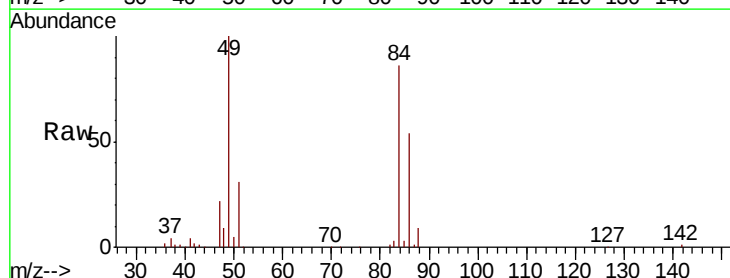
Instrument :
MSVOA_D
ClientSampled :

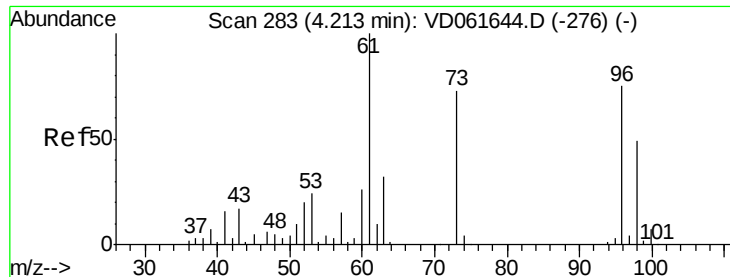
Tot Ion: 73 Resp: 661820
Ion Ratio Lower Upper
73 100
57 19.7 16.0 24.0



#20
Methylene Chloride
Concen: 44.609 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.01 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion: 84 Resp: 399558
Ion Ratio Lower Upper
84 100
49 116.9 93.0 139.4
51 36.4 30.4 45.6
86 62.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 53.510 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.01 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

ClientSampled :

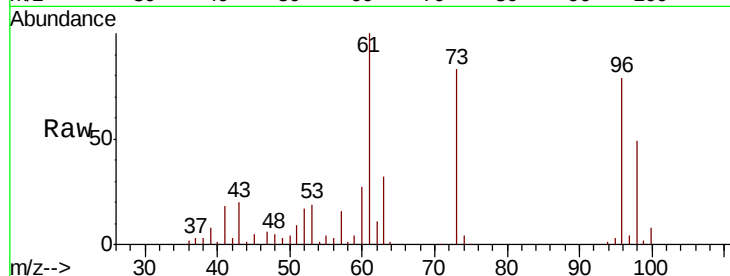
Tot Ion: 96 Resp: 425313

Ion Ratio Lower Upper

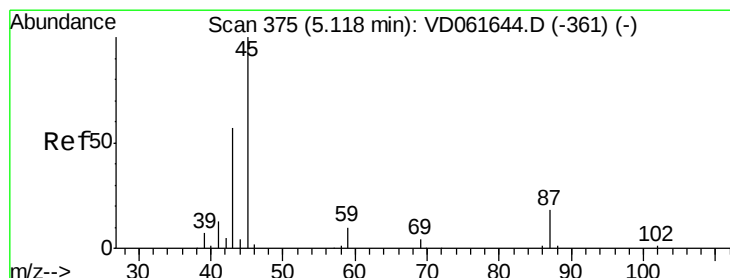
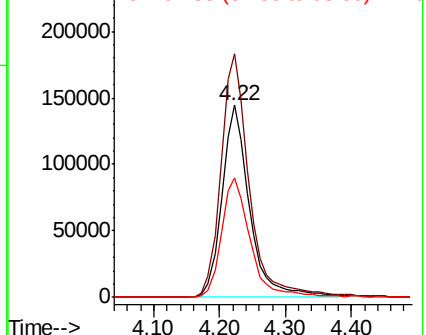
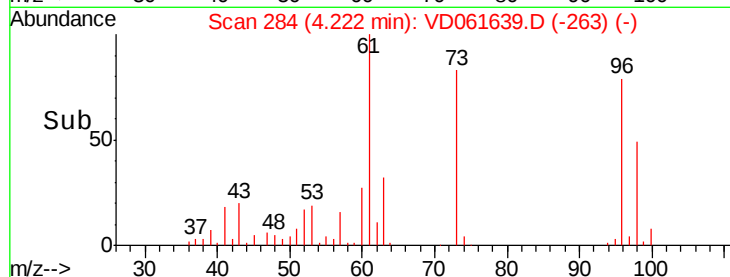
96 100

61 126.8 106.8 160.2

98 62.1 52.2 78.2



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: 50.687 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Tgt Ion: 45 Resp: 1064331

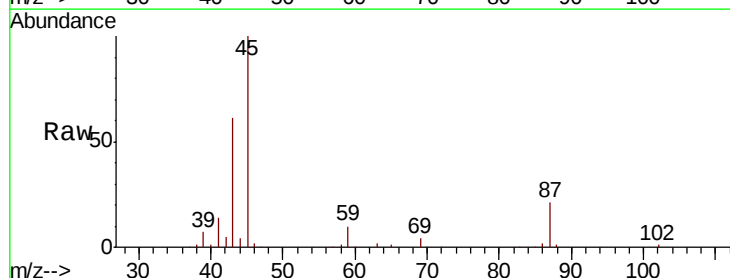
Ion Ratio Lower Upper

45 100

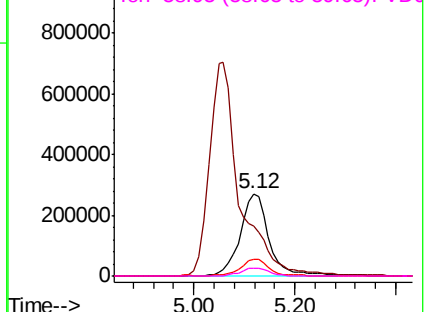
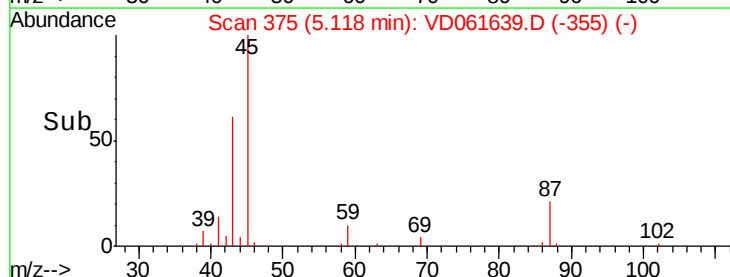
43 61.2 46.6 70.0

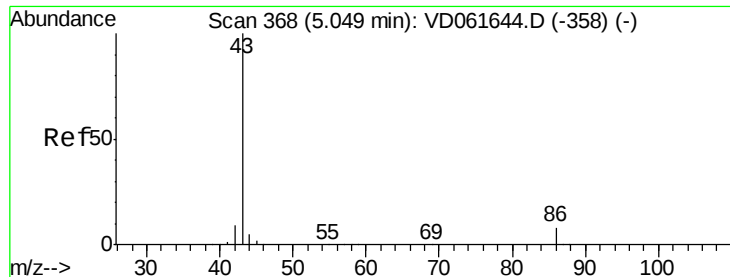
87 20.7 15.6 23.4

59 10.1 8.6 13.0



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: 250.687 ug/l

RT: 5.06 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

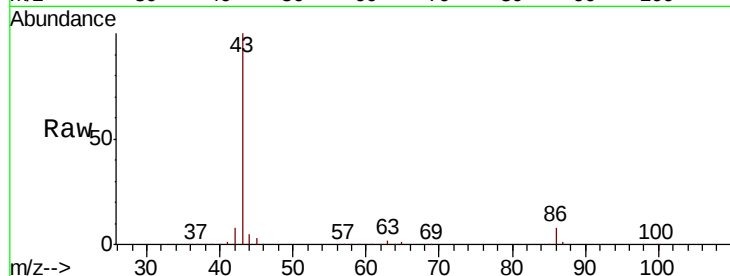
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2909681

Ion Ratio Lower Upper

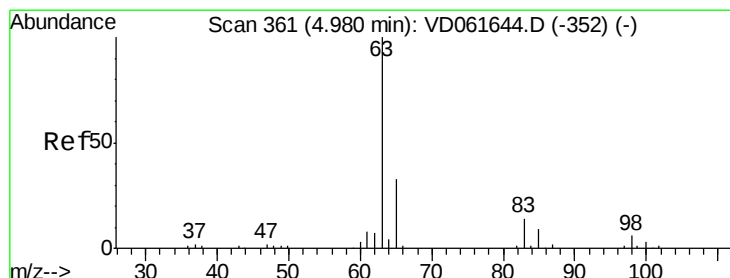
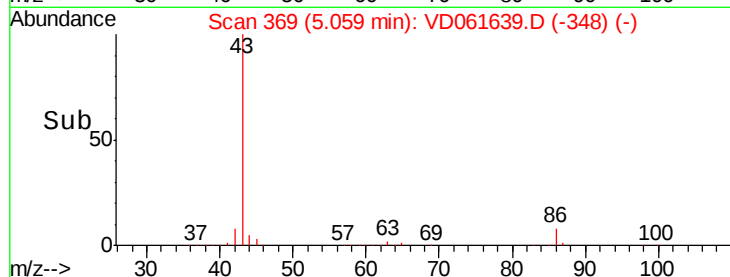
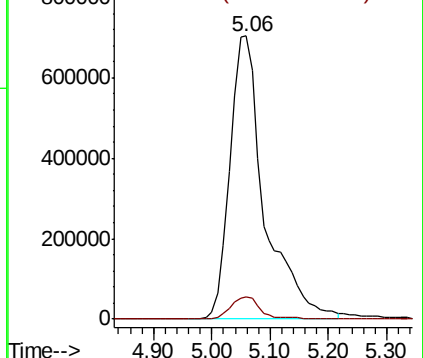
43 100

86 7.9 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.671 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.01 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

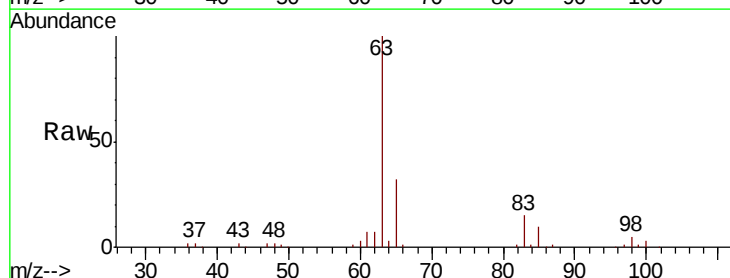
Tgt Ion: 63 Resp: 616890

Ion Ratio Lower Upper

63 100

98 4.8 2.9 8.6

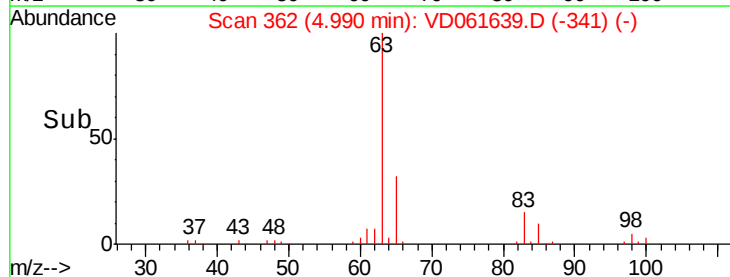
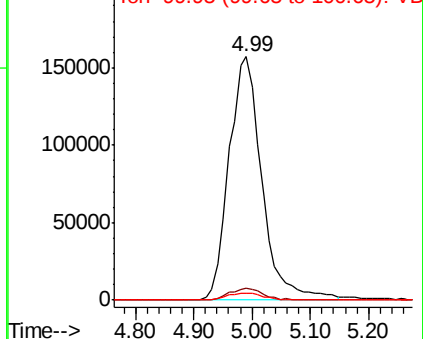
100 3.0 1.7 5.1

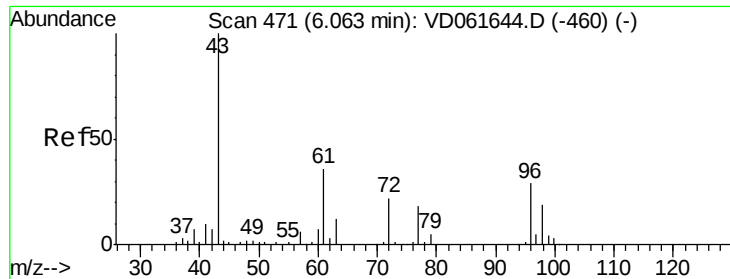


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 267.015 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

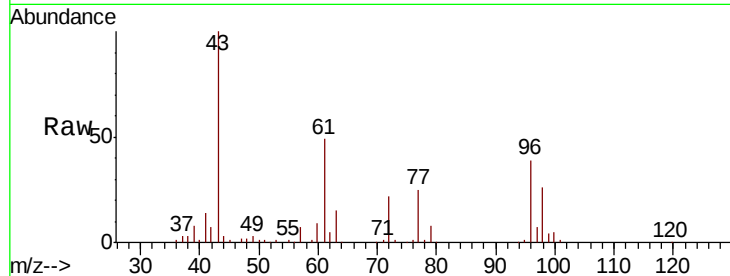
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 489239

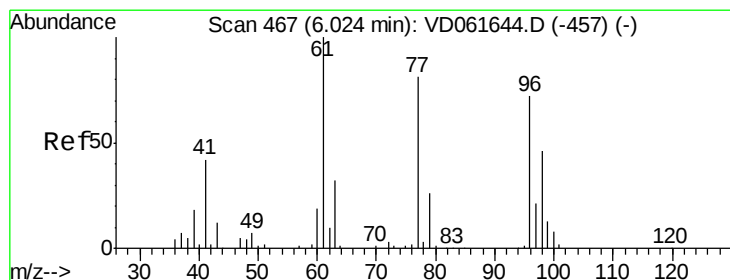
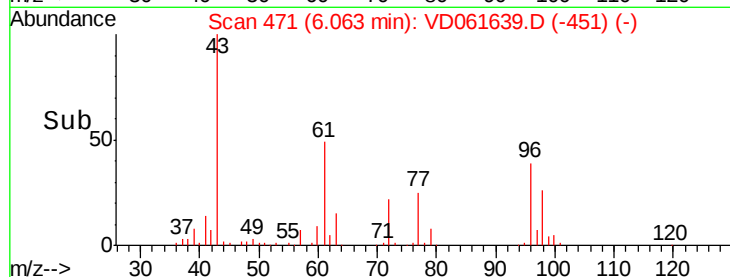
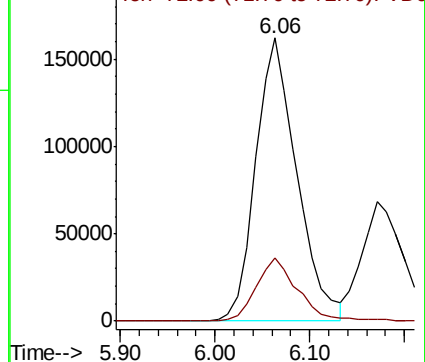
Ion Ratio Lower Upper

43 100

72 22.3 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.989 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061639.D

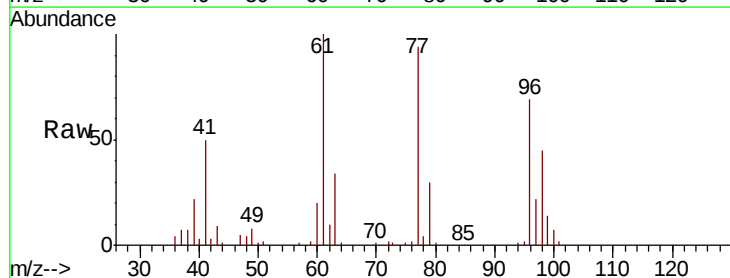
Acq: 6 Apr 2019 13:02

Tgt Ion: 77 Resp: 546592

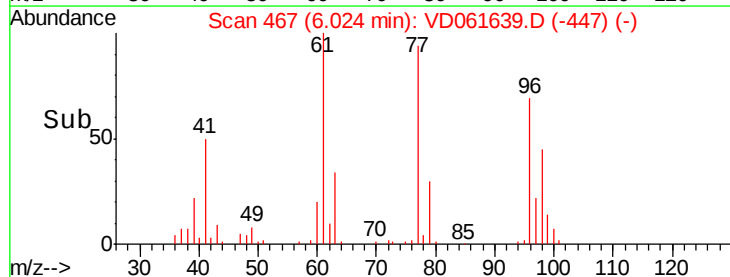
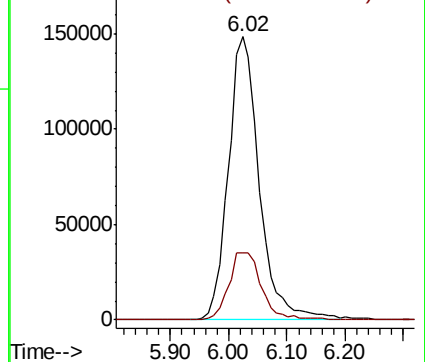
Ion Ratio Lower Upper

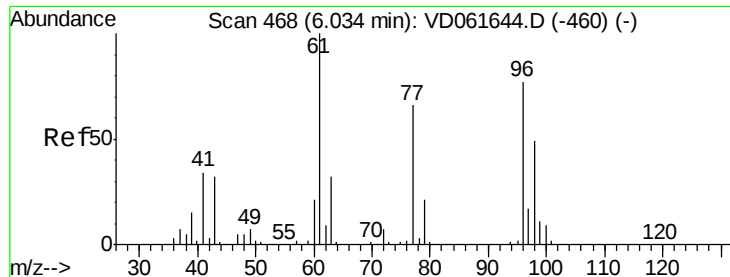
77 100

97 23.9 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



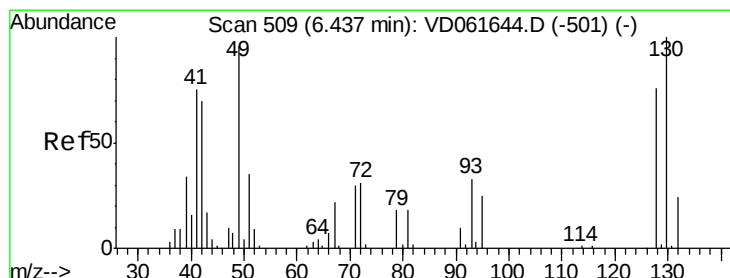
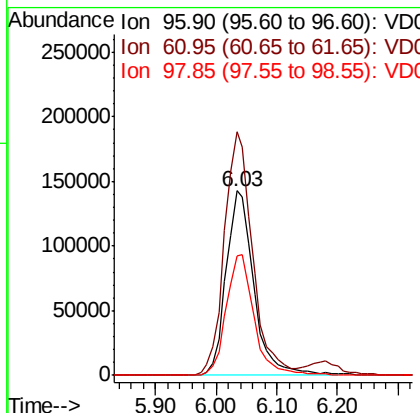
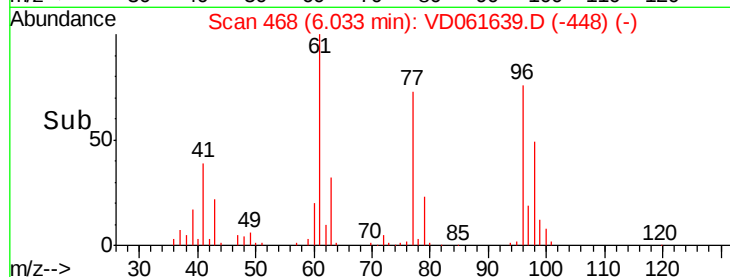
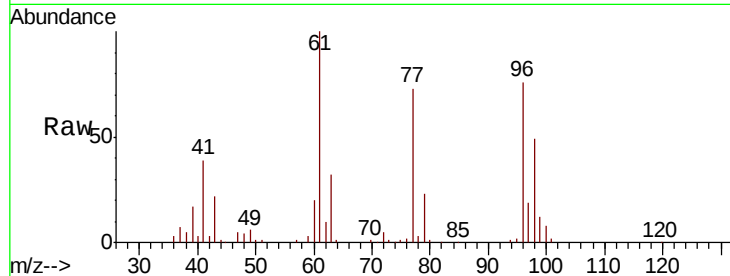


#27

cis-1,2-Dichloroethene
Concen: 53.673 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Instrument :
MSVOA_D
ClientSampled :

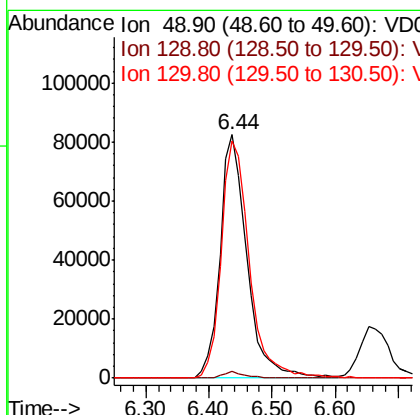
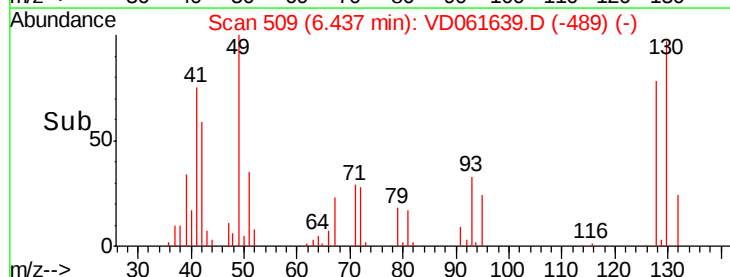
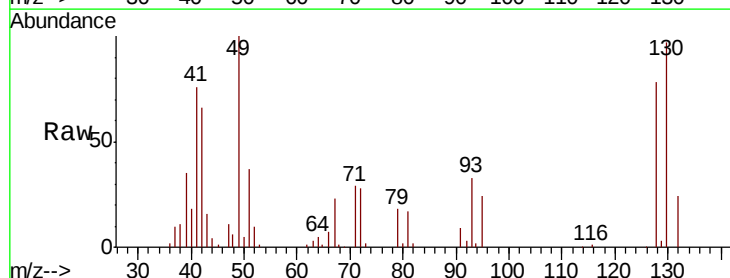
Tot Ion: 96 Resp: 454643
Ion Ratio Lower Upper
96 100
61 132.2 0.0 259.8
98 64.8 0.0 127.6

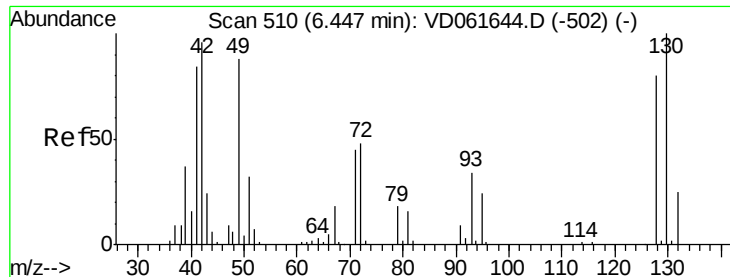


#28

Bromochloromethane
Concen: 52.978 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion: 49 Resp: 244829
Ion Ratio Lower Upper
49 100
129 2.8 0.0 4.0
130 97.4 83.3 124.9

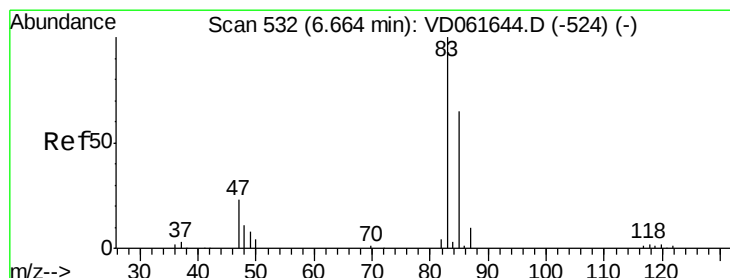
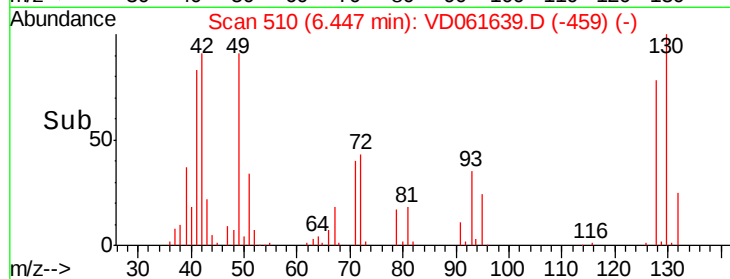
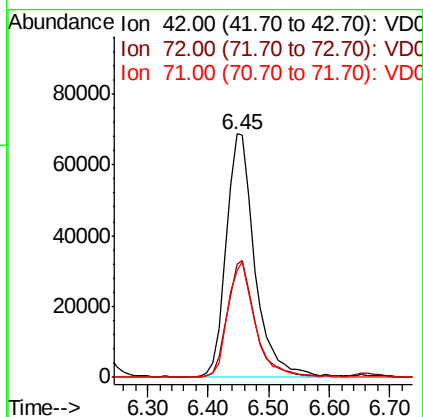
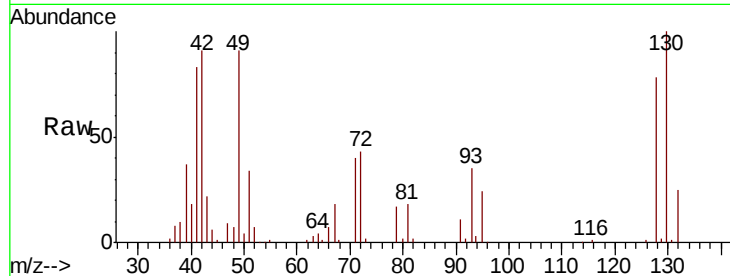




#29
Tetrahydrofuran
Concen: 257.174 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

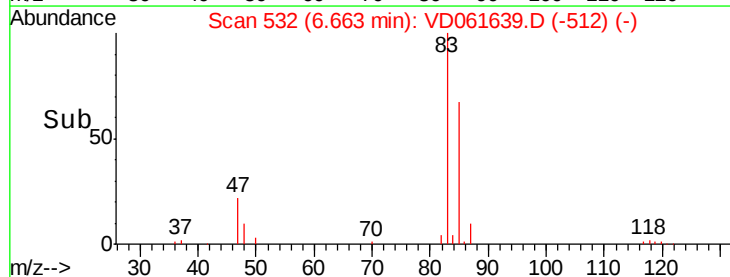
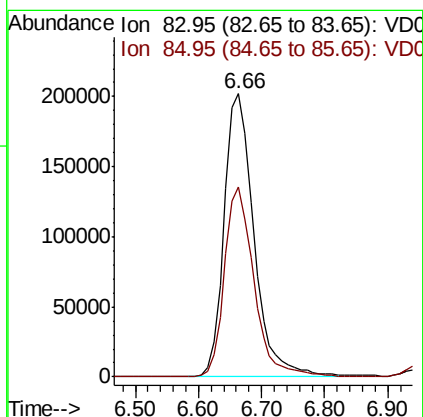
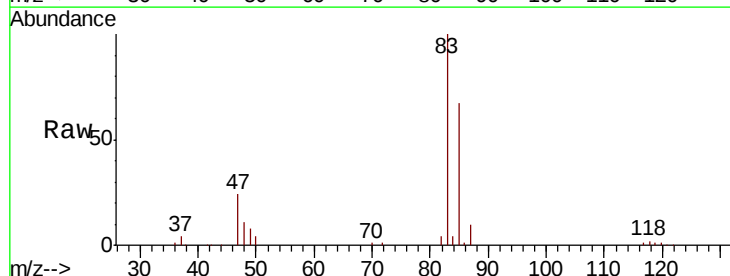
Instrument :
MSVOA_D
ClientSampled :

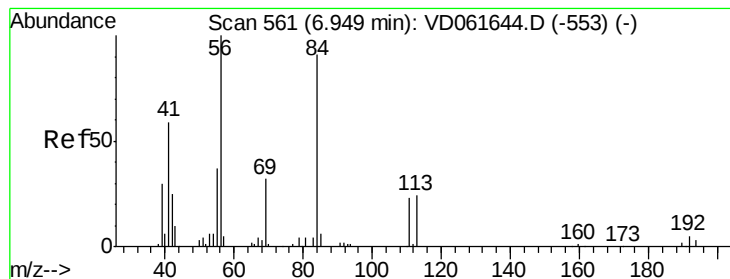
Tot Ion	Ratio	Lower	Upper
42	100		
72	46.5	37.0	55.6
71	45.3	36.5	54.7



#30
Chloroform
Concen: 49.180 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.9	77.9





#31

Cyclohexane

Concen: 54.577 ug/l

RT: 6.95 min Scan# 561

Delta R.T. -0.00 min

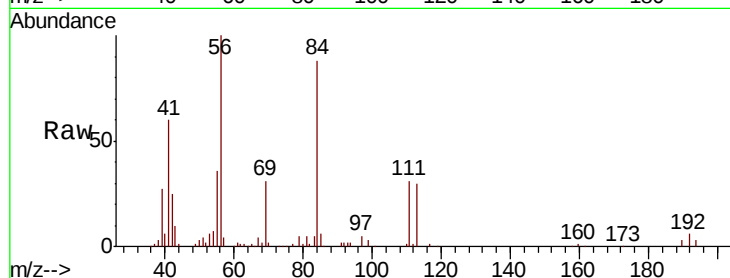
Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 541540

Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.8	38.6
84	88.2	74.2	111.2

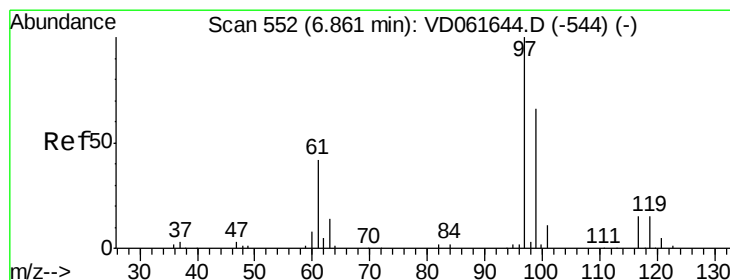
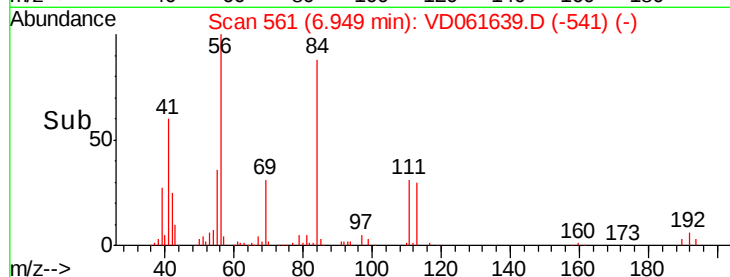
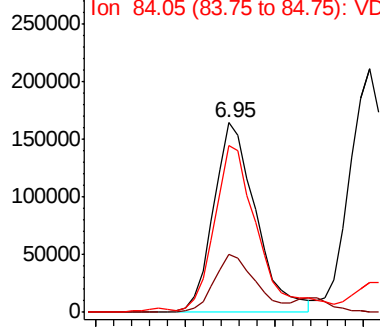


Abundance

Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 52.314 ug/l

RT: 6.87 min Scan# 553

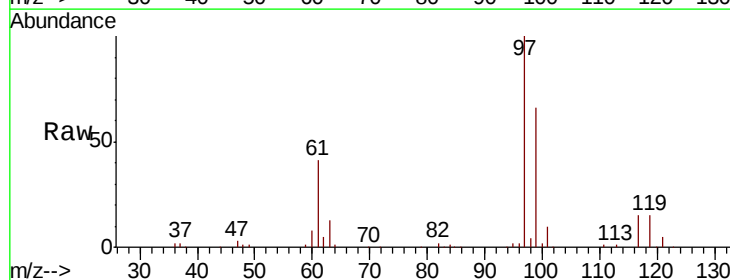
Delta R.T. 0.01 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Tgt Ion: 97 Resp: 618816

Ion	Ratio	Lower	Upper
97	100		
99	66.3	52.5	78.7
61	41.3	33.4	50.0

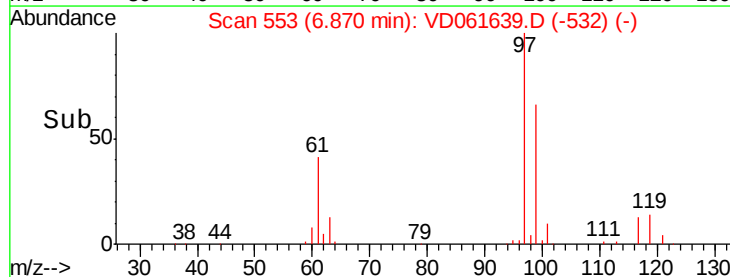
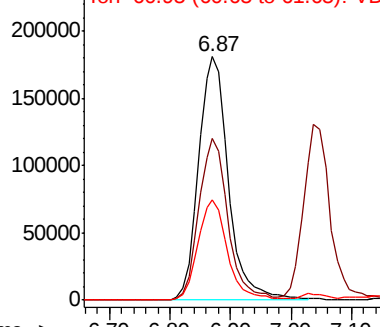


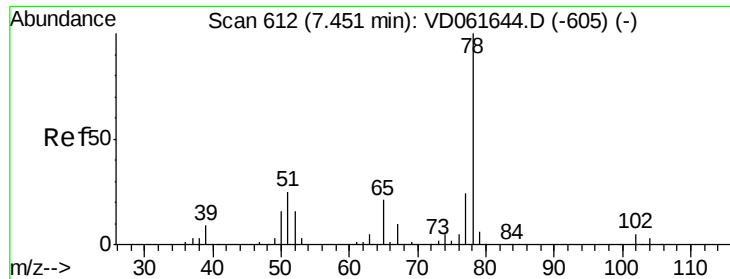
Abundance

Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

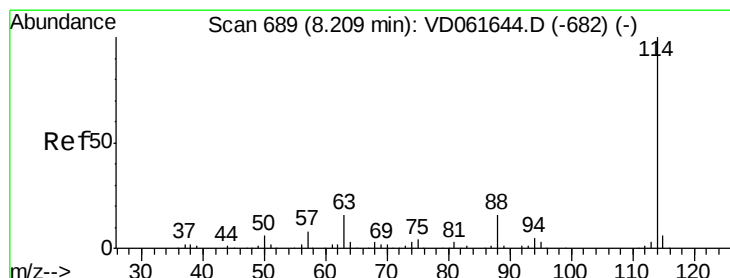
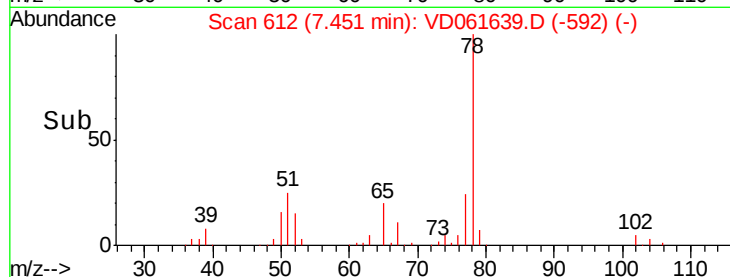
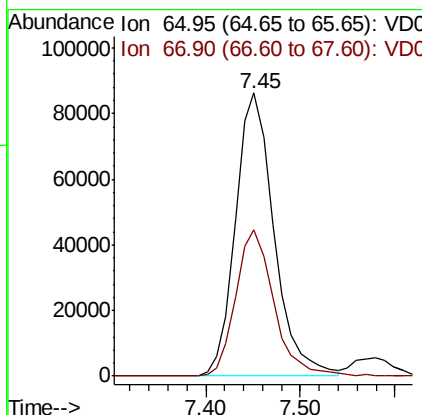
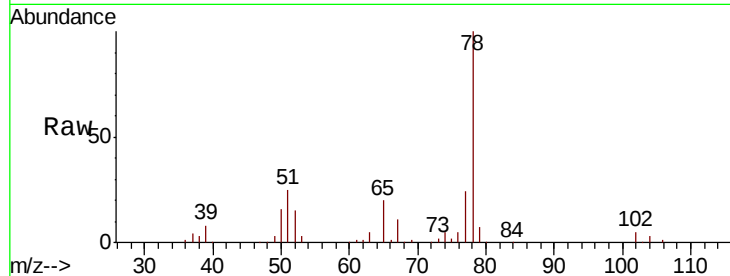




#33
 1,2-Dichloroethane-d4
 Concen: 52.314 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

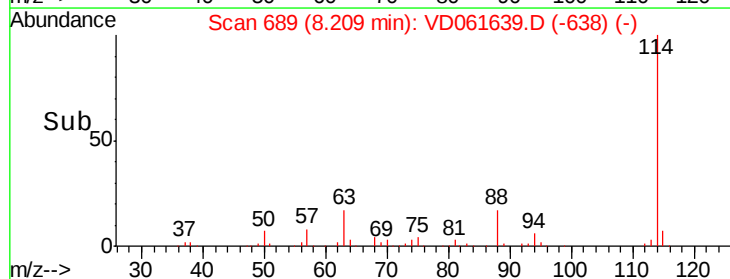
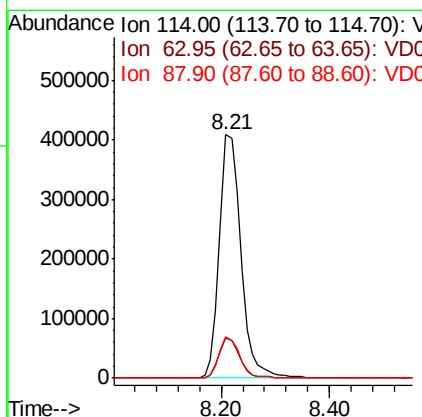
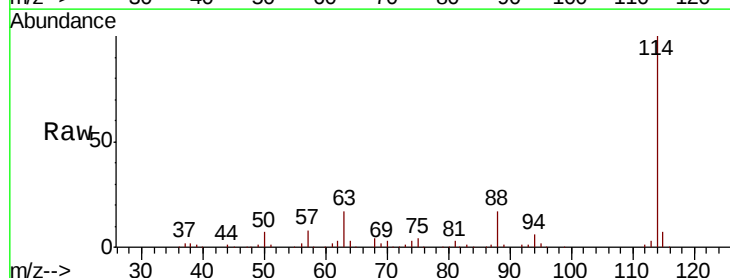
Instrument :
 MSVOA_D
 ClientSampleId :

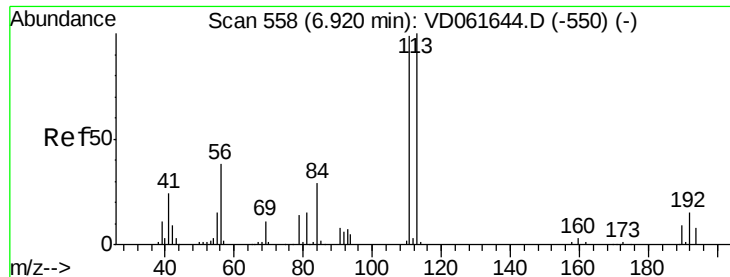
Tot Ion: 65 Resp: 243436
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Tgt Ion: 114 Resp: 1133532
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 31.2
 88 17.1 0.0 31.8

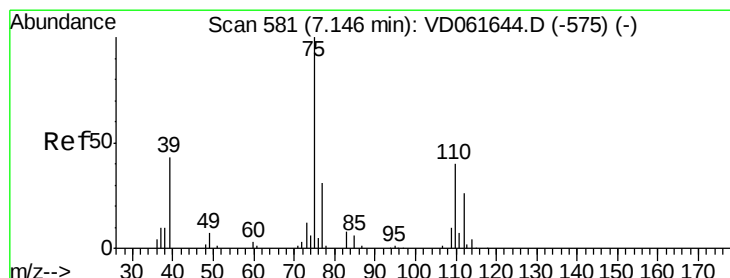
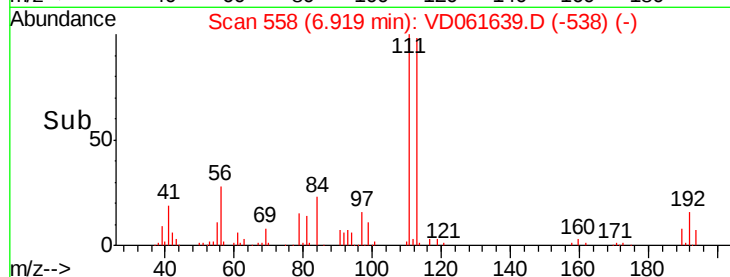
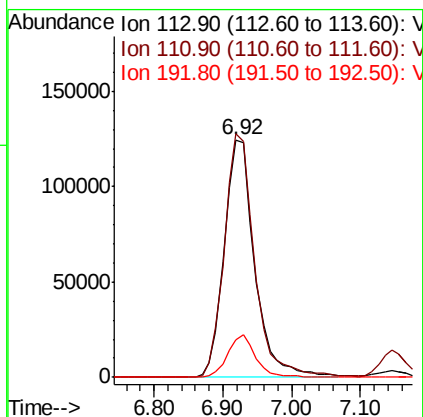
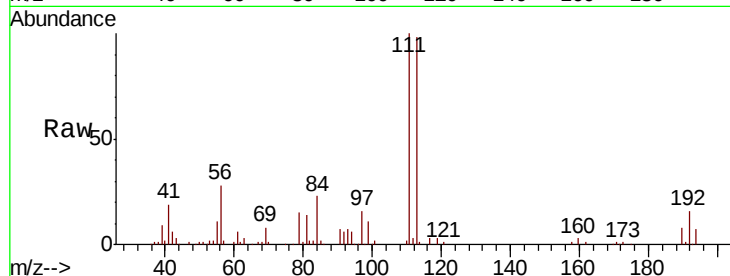




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

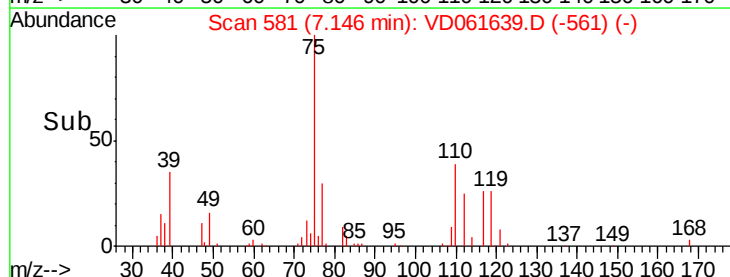
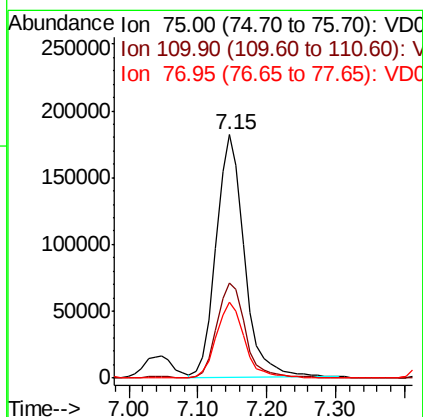
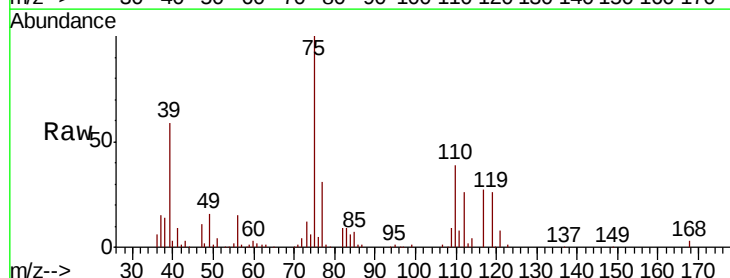
Instrument :
 MSVOA_D
 ClientSampleId :

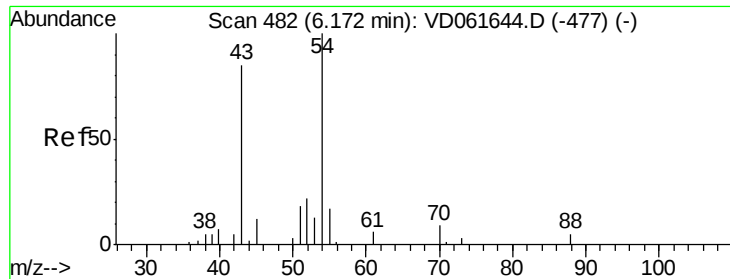
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	79.3	118.9
192	15.9	12.3	18.5



#36
 1,1-Dichloropropene
 Concen: 50.846 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.7	59.0
77	31.3	24.8	37.2

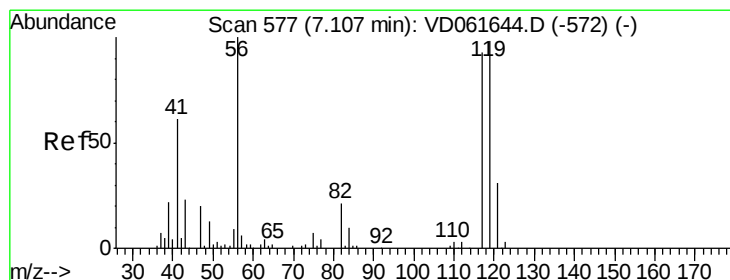
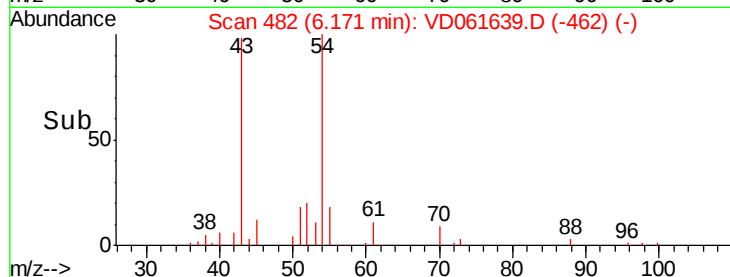
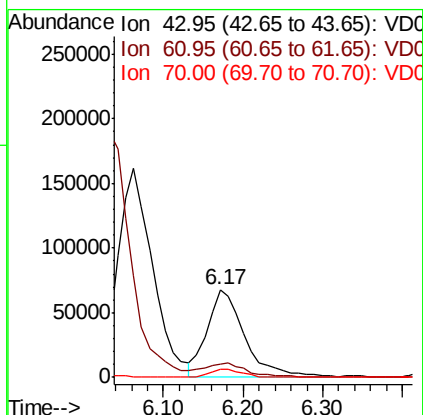
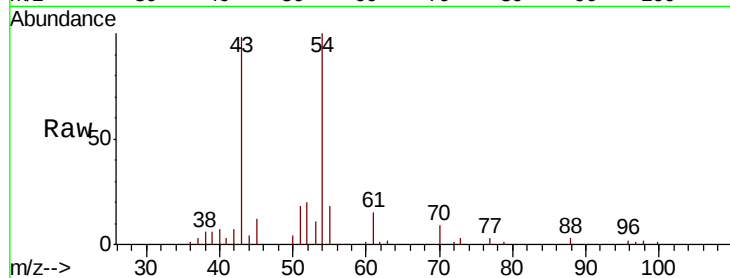




#37
Ethyl Acetate
Concen: 51.689 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

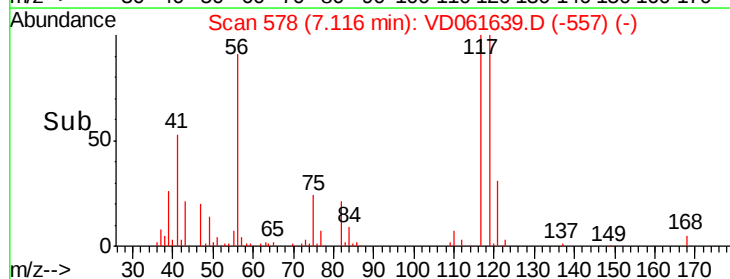
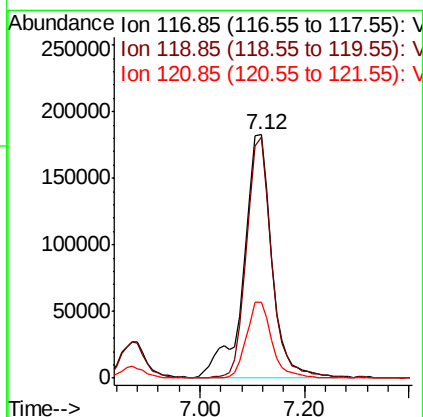
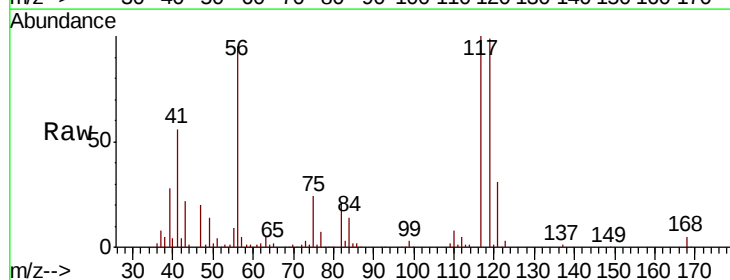
Instrument :
MSVOA_D
ClientSampleID :

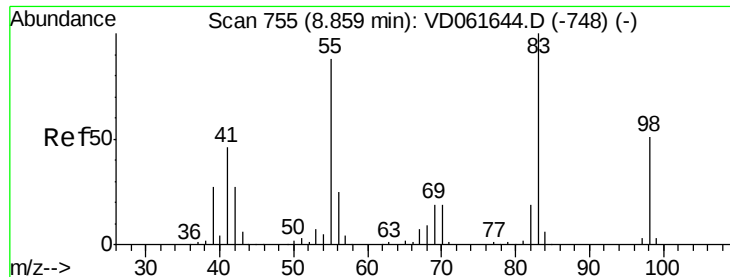
Tot Ion: 43 Resp: 217468
Ion Ratio Lower Upper
43 100
61 15.6 11.9 17.9
70 9.2 6.9 10.3



#38
Carbon Tetrachloride
Concen: 56.571 ug/l
RT: 7.12 min Scan# 578
Delta R.T. 0.01 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion: 117 Resp: 662273
Ion Ratio Lower Upper
117 100
119 99.1 77.9 116.9
121 31.2 24.7 37.1

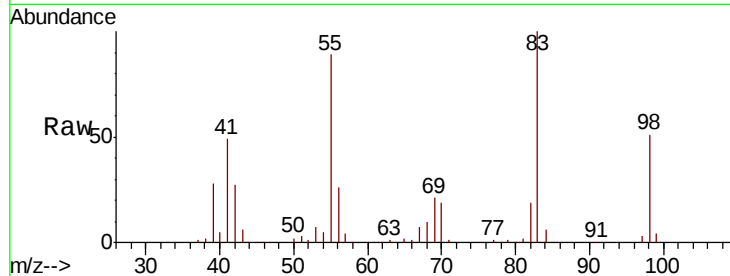




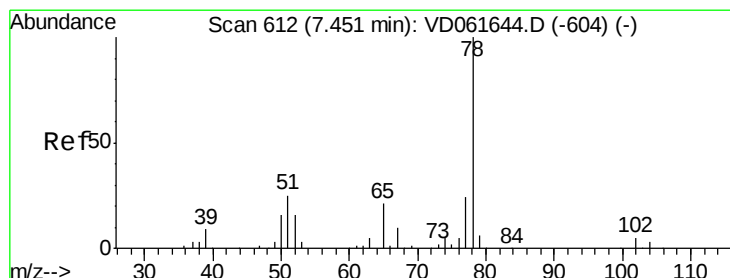
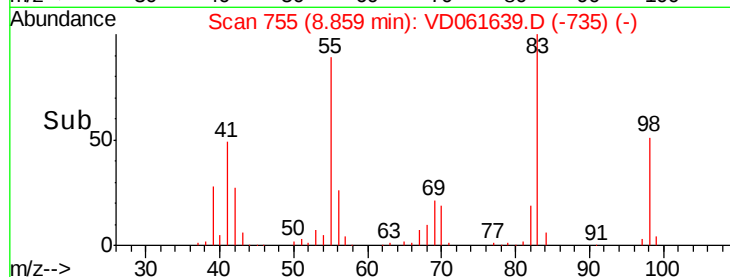
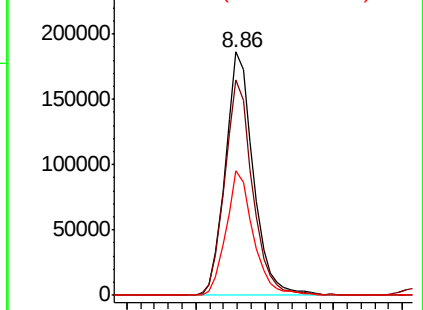
#39
Methvlcvclohexane
Concen: 49.603 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 524069
Ion Ratio Lower Upper
83 100
55 88.6 70.3 105.5
98 51.4 41.0 61.6

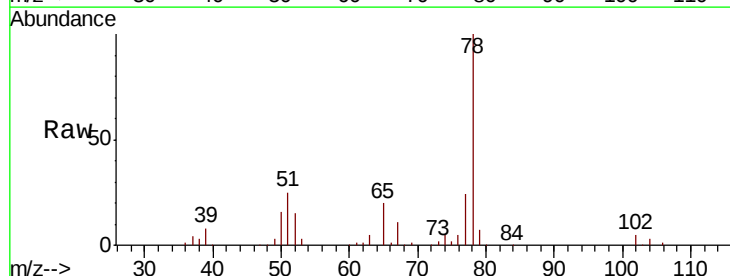


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

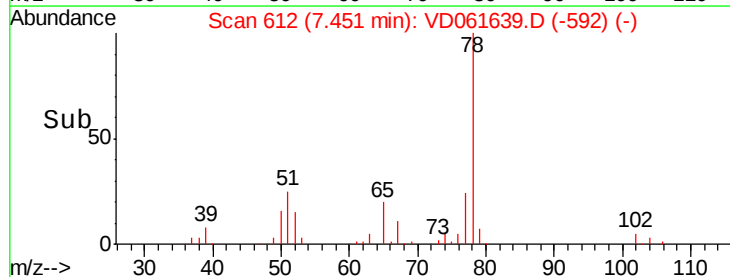
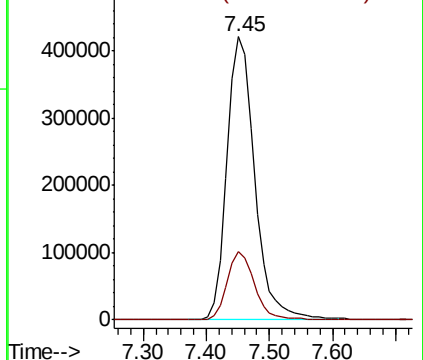


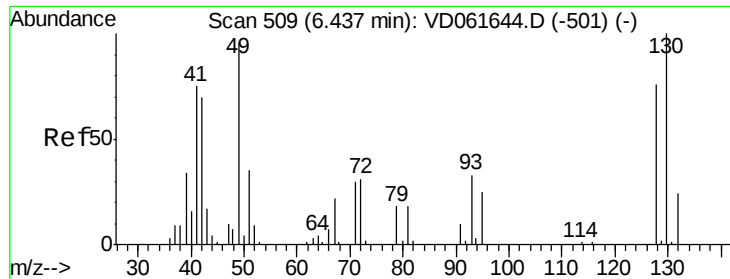
#40
Benzene
Concen: 52.444 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion: 78 Resp: 1285999
Ion Ratio Lower Upper
78 100
77 24.0 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

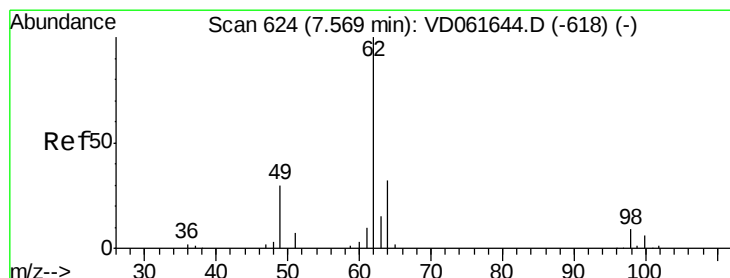
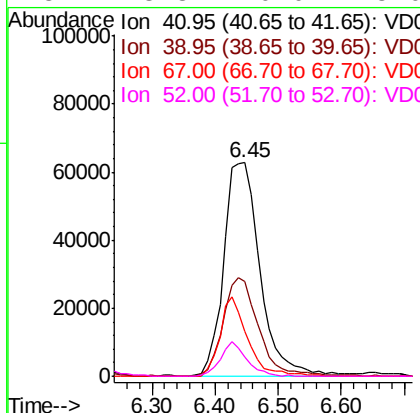
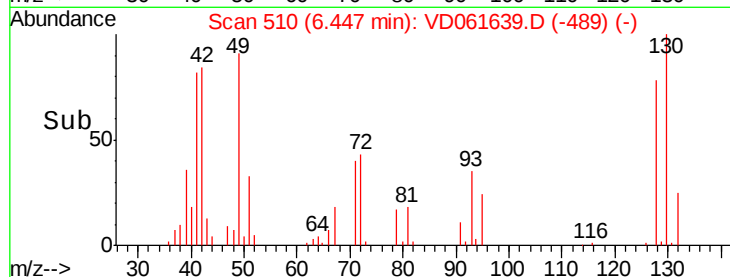
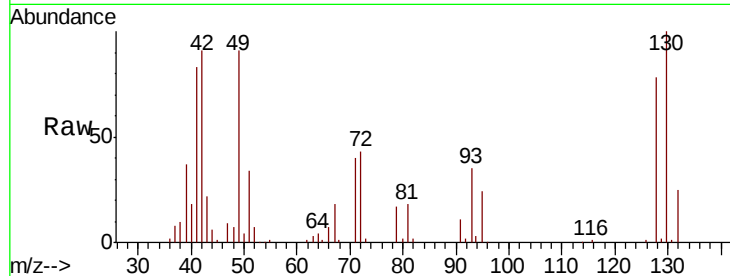




#41
Methacrylonitrile
Concen: 52.824 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

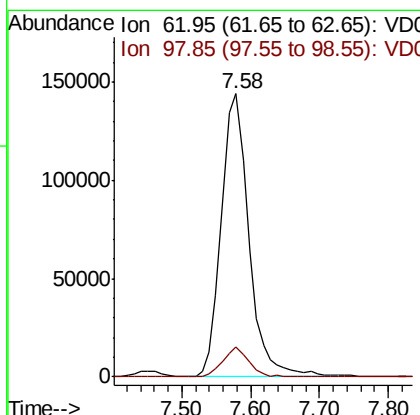
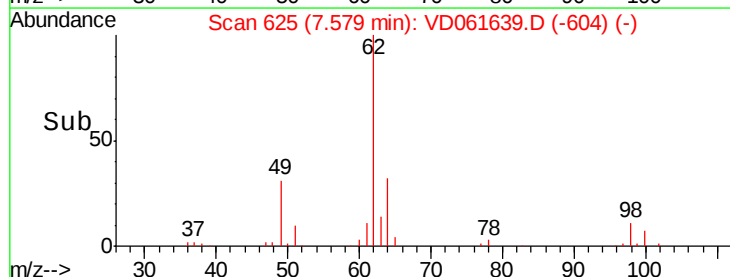
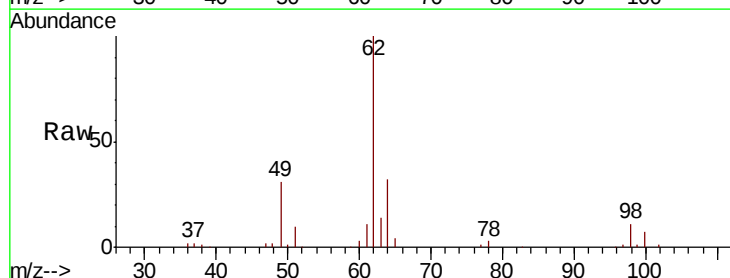
Instrument :
MSVOA_D
ClientSampled :

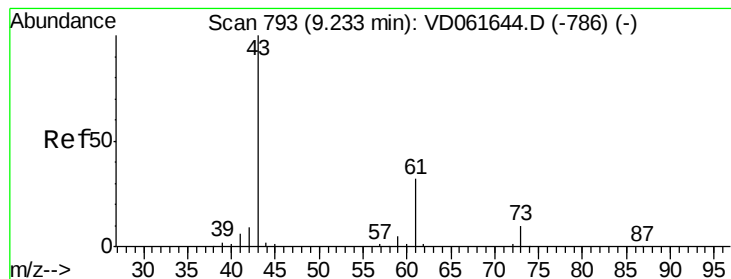
Tot Ion: 41 Resp: 250477
Ion Ratio Lower Upper
41 100
39 44.2 36.2 54.2
67 21.2 23.2 34.8#
52 8.8 10.0 15.0#



#42
1,2-Dichloroethane
Concen: 52.017 ug/l
RT: 7.58 min Scan# 625
Delta R.T. 0.01 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion: 62 Resp: 403152
Ion Ratio Lower Upper
62 100
98 10.7 0.0 17.8





#43

Isopropyl Acetate

Concen: 52.478 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

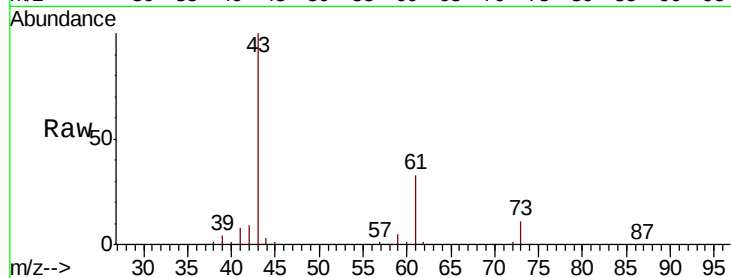
Tot Ion: 43 Resp: 317286

Ion Ratio Lower Upper

43 100

61 32.7 25.9 38.9

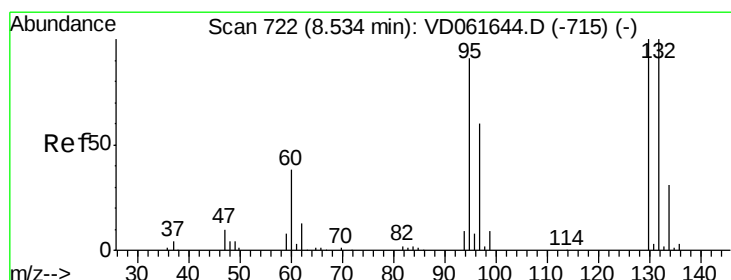
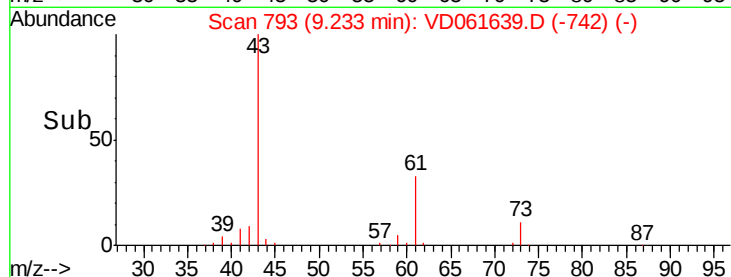
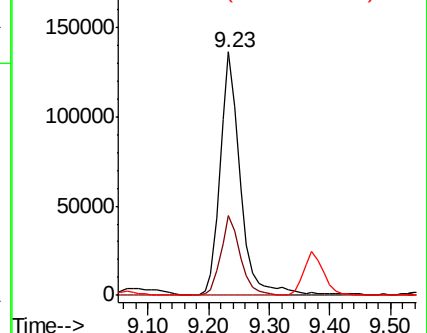
87 0.3 0.2 0.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 52.942 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.00 min

Lab File: VD061639.D

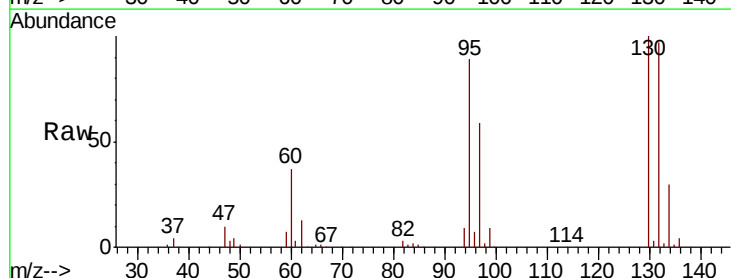
Acq: 6 Apr 2019 13:02

Tgt Ion:130 Resp: 494549

Ion Ratio Lower Upper

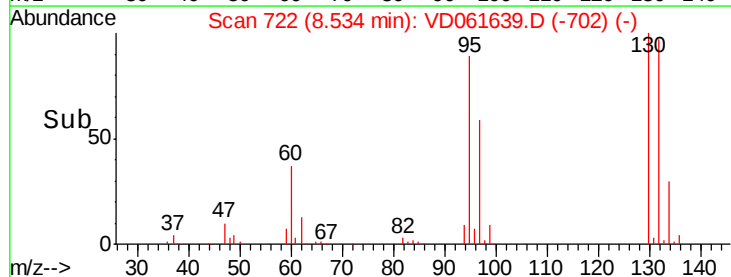
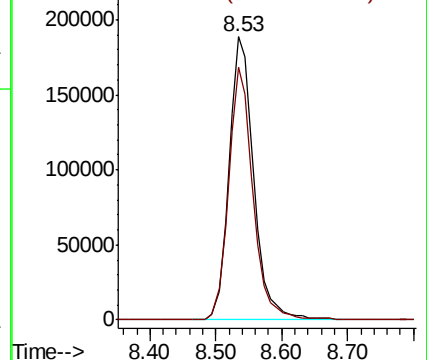
130 100

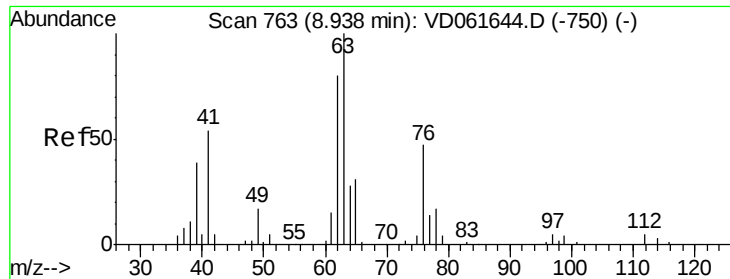
95 89.2 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.245 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

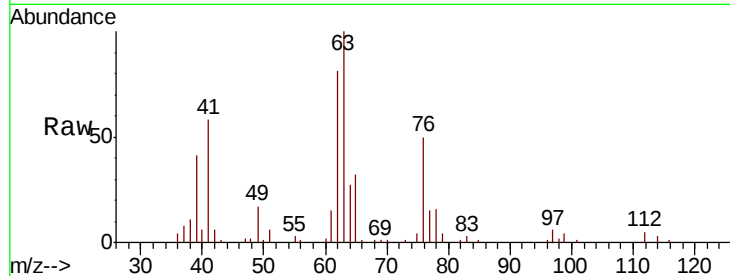
ClientSampled :

Tot Ion: 63 Resp: 313816

Ion Ratio Lower Upper

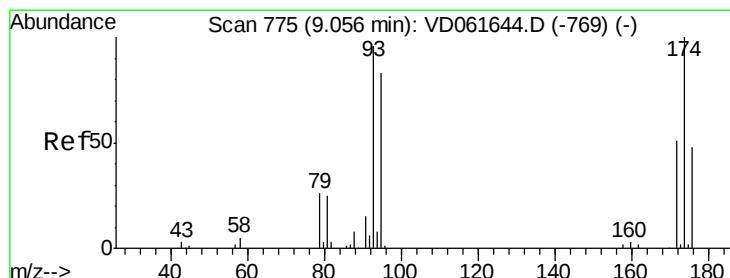
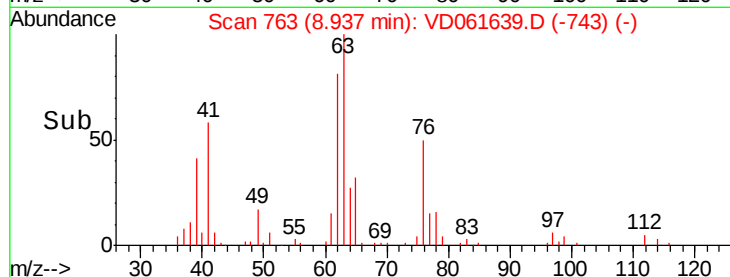
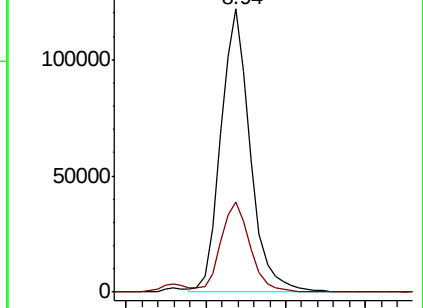
63 100

65 32.0 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.129 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

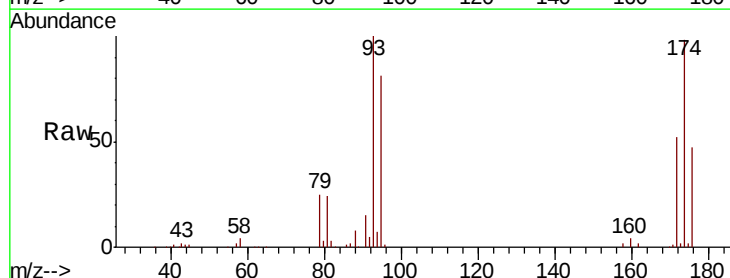
Tgt Ion: 93 Resp: 234718

Ion Ratio Lower Upper

93 100

95 80.6 68.6 103.0

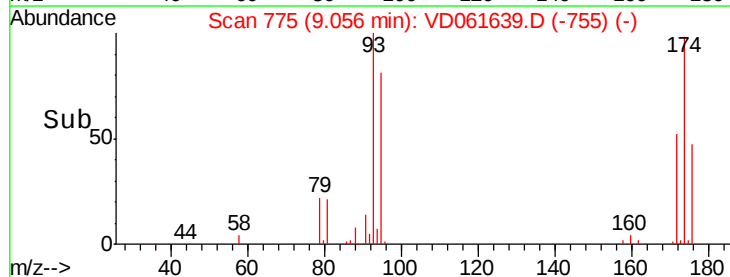
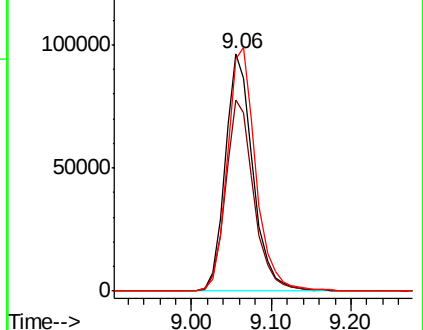
174 97.5 83.0 124.4

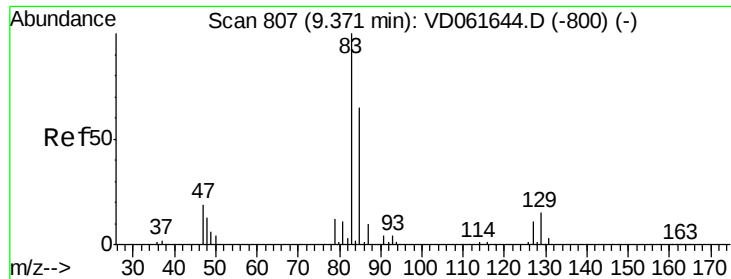


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 55.894 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

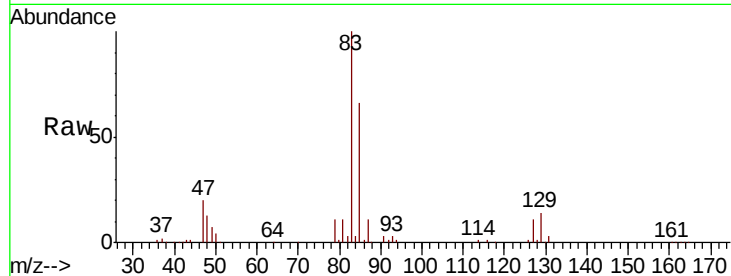
Tot Ion: 83 Resp: 531957

Ion Ratio Lower Upper

83 100

85 65.8 51.8 77.6

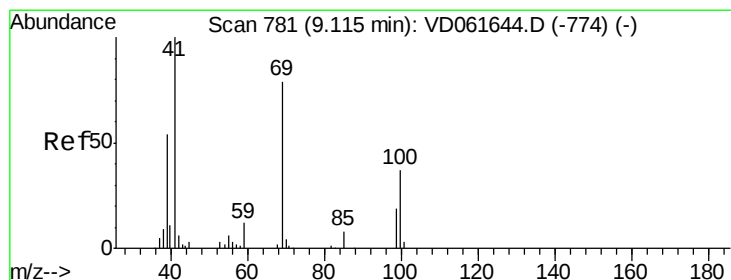
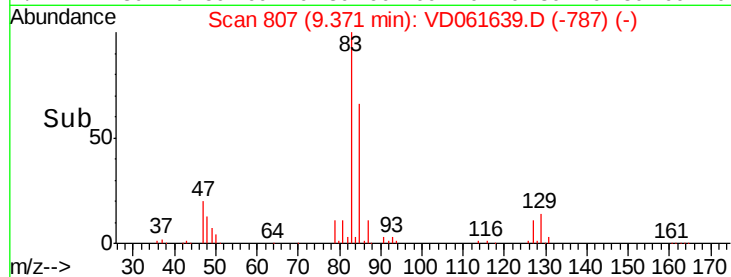
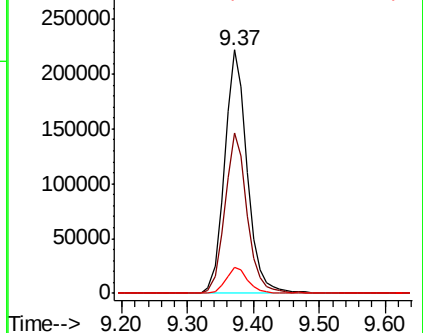
127 10.5 9.0 13.6



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: 54.551 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

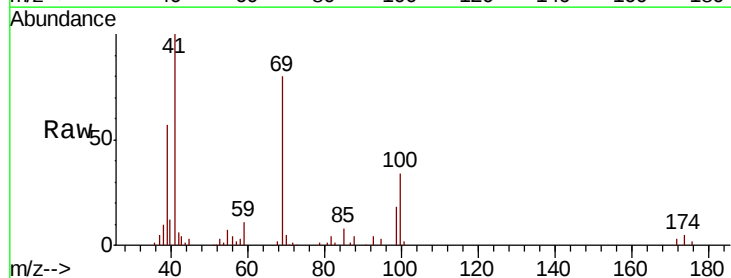
Tgt Ion: 41 Resp: 182368

Ion Ratio Lower Upper

41 100

69 79.9 63.1 94.7

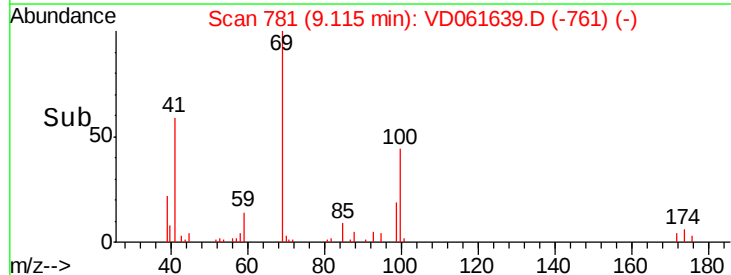
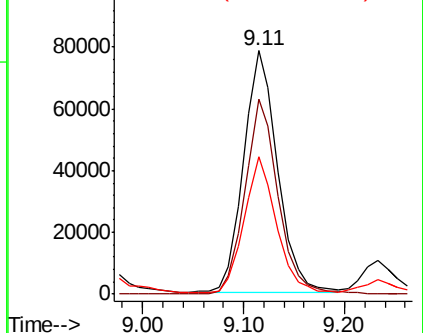
39 56.6 43.8 65.8

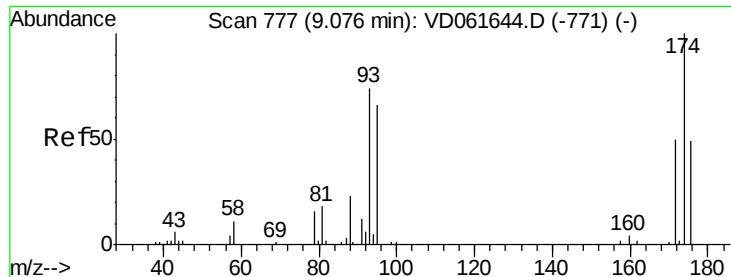


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

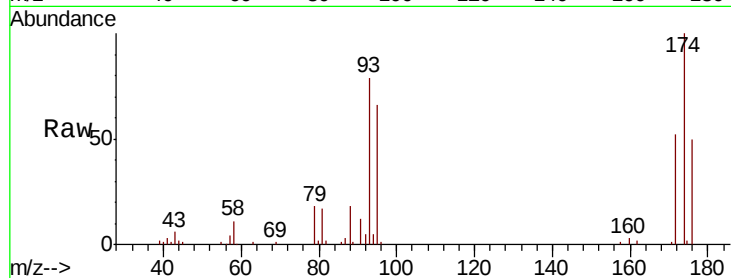




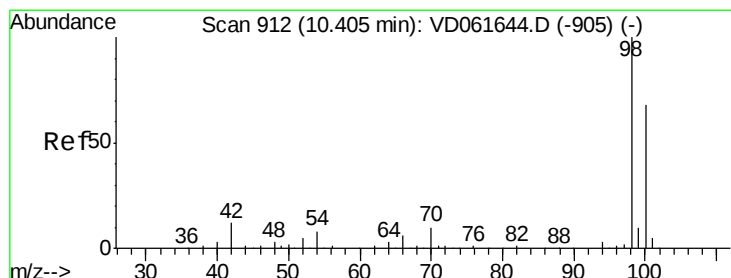
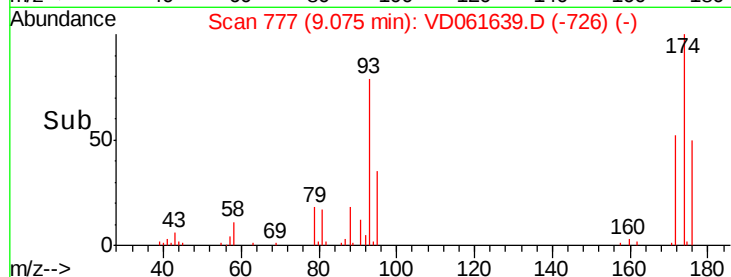
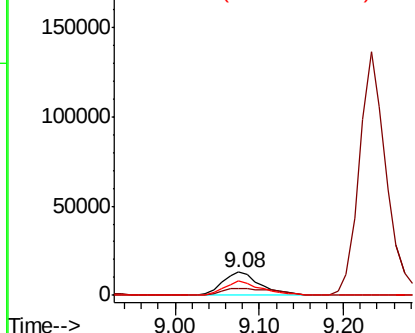
#49
1,4-Dioxane
Concen: 1092.161 ug/l
RT: 9.08 min Scan# 777
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 40413
Ion Ratio Lower Upper
88 100
43 31.7 21.8 32.8
58 61.3 40.2 60.2#

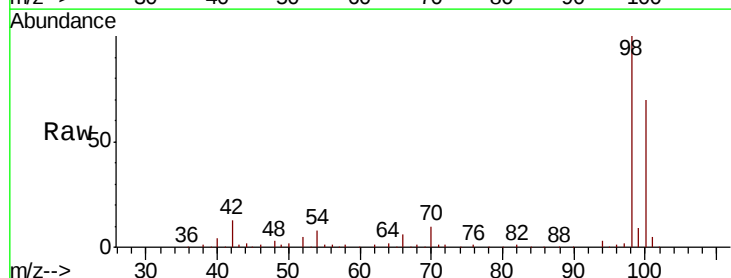


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

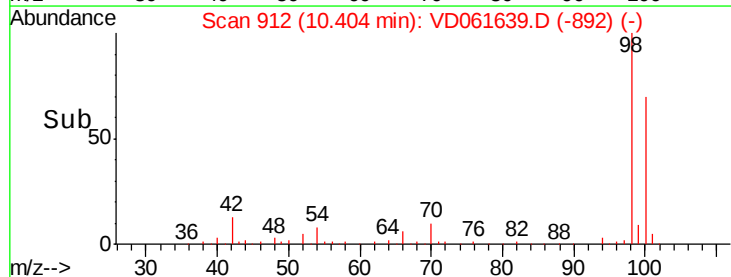
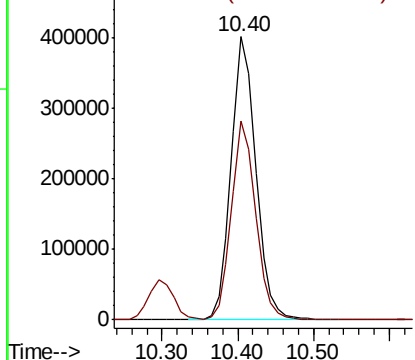


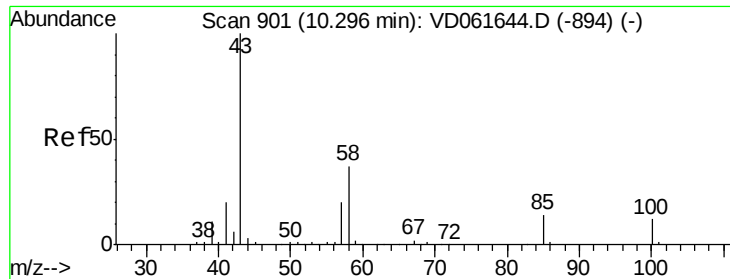
#50
Toluene-d8
Concen: 1092.161 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion: 98 Resp: 908300
Ion Ratio Lower Upper
98 100
100 70.4 55.4 83.0



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: 273.948 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

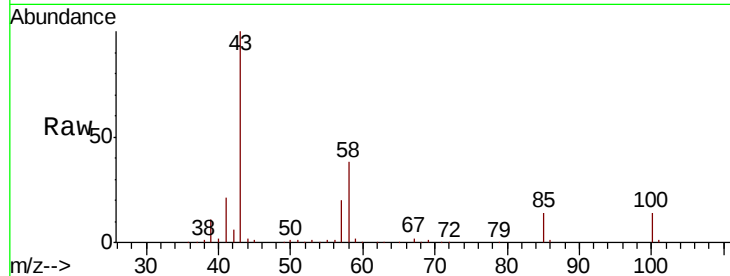
ClientSampleId :

Tot Ion: 43 Resp: 975271

Ion Ratio Lower Upper

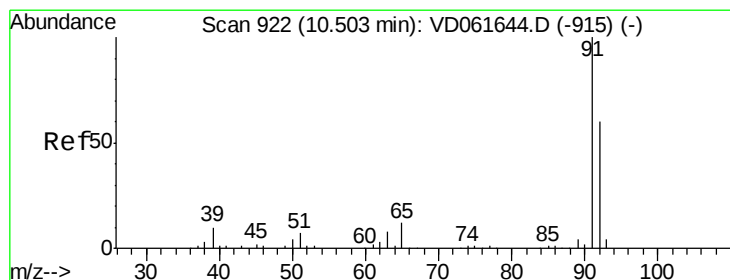
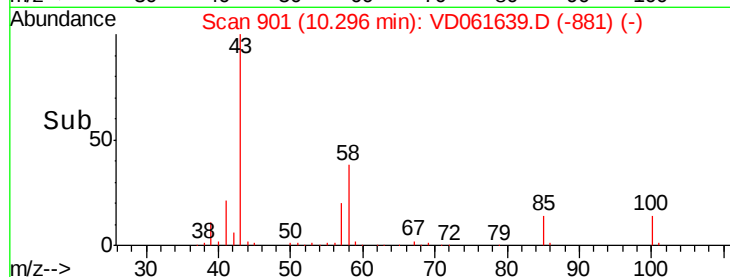
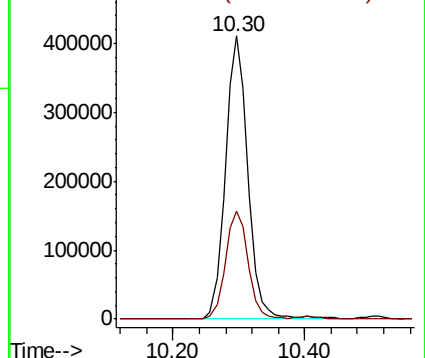
43 100

58 38.1 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 51.998 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061639.D

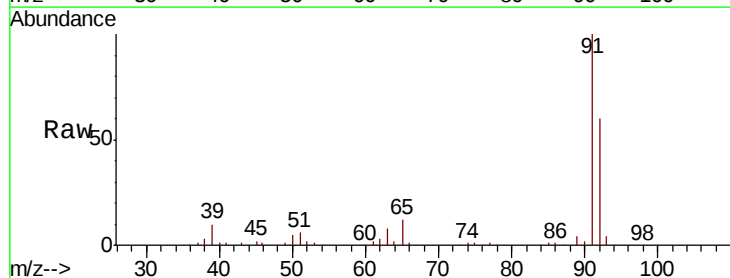
Acq: 6 Apr 2019 13:02

Tgt Ion: 92 Resp: 789841

Ion Ratio Lower Upper

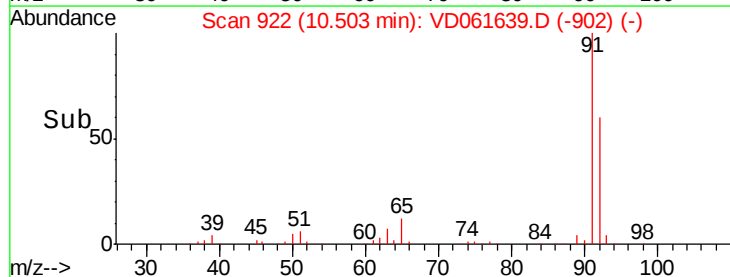
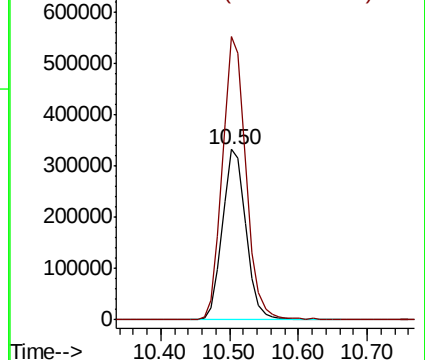
92 100

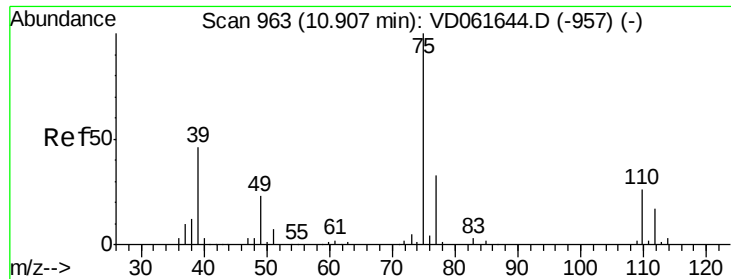
91 166.1 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

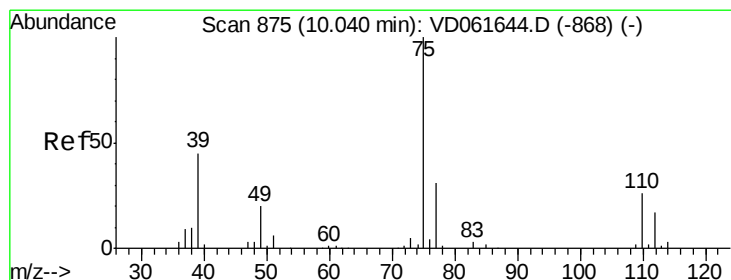
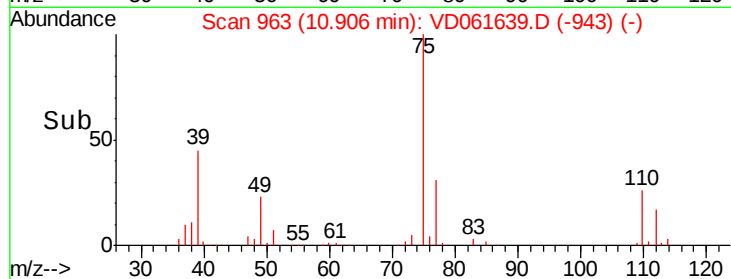
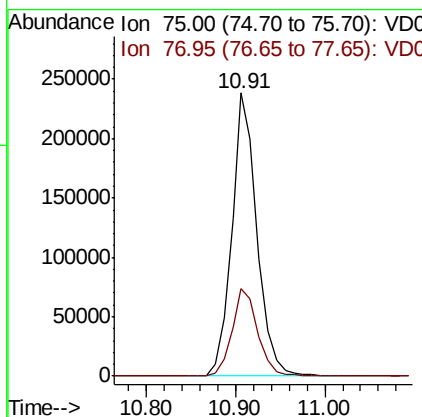
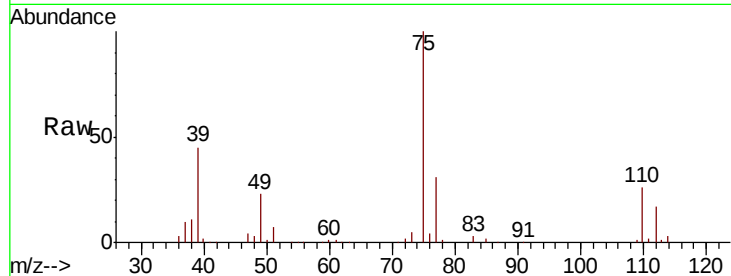




#53
 t-1,3-Dichloropropene
 Concen: 55.833 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

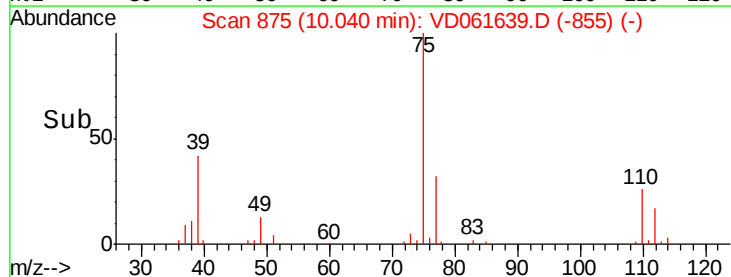
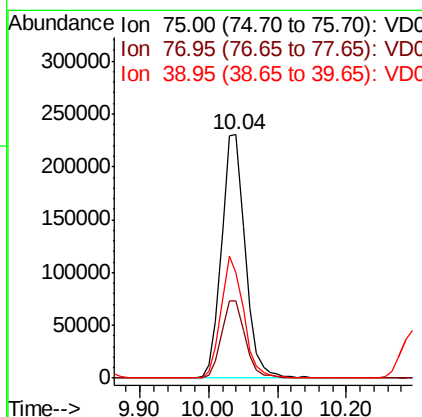
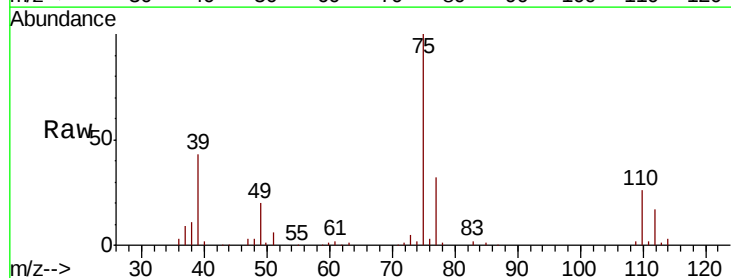
Instrument :
 MSVOA_D
 ClientSampled :

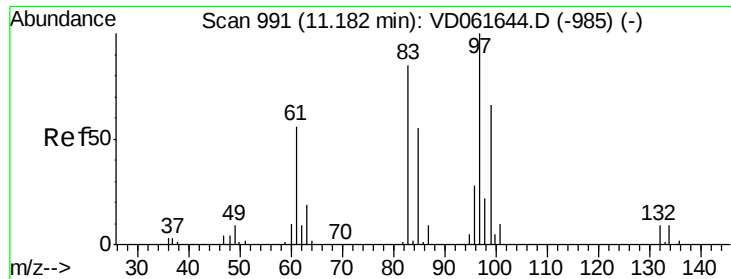
Tot Ion: 75 Resp: 469280
 Ion Ratio Lower Upper
 75 100
 77 31.1 26.2 39.2



#54
 cis-1,3-Dichloropropene
 Concen: 53.138 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Tgt Ion: 75 Resp: 550194
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 37.0
 39 43.3 36.2 54.2

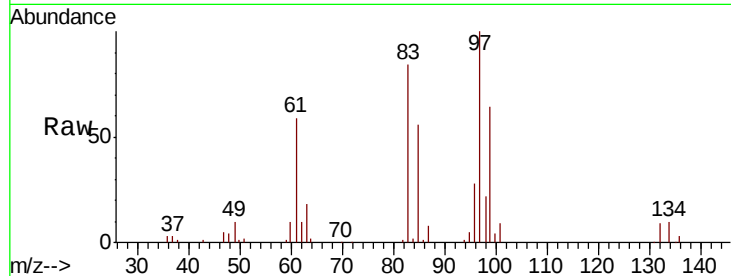




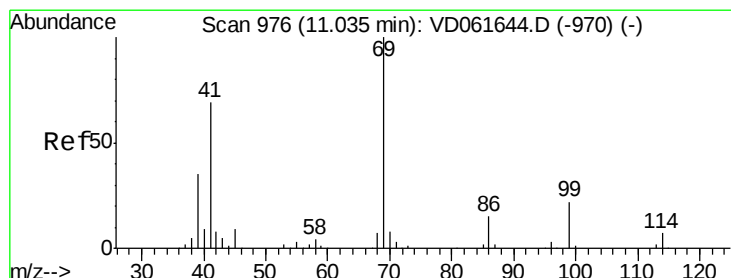
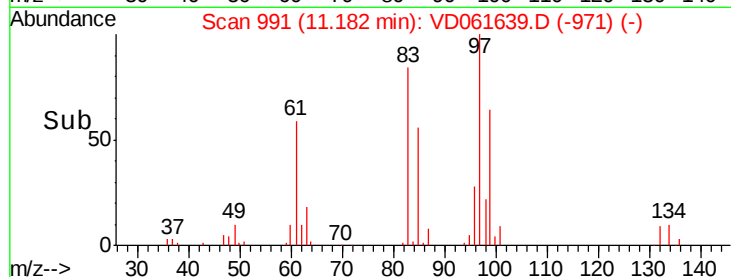
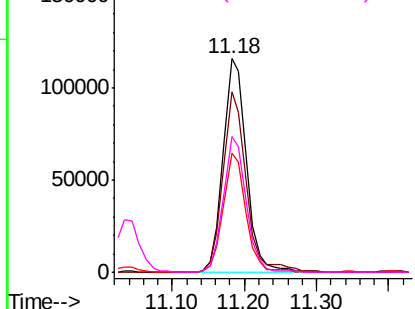
#55
 1,1,2-Trichloroethane
 Concen: 51.977 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 260311
 Ion Ratio Lower Upper
 97 100
 83 84.3 67.8 101.6
 85 56.0 43.8 65.8
 99 63.6 52.8 79.2

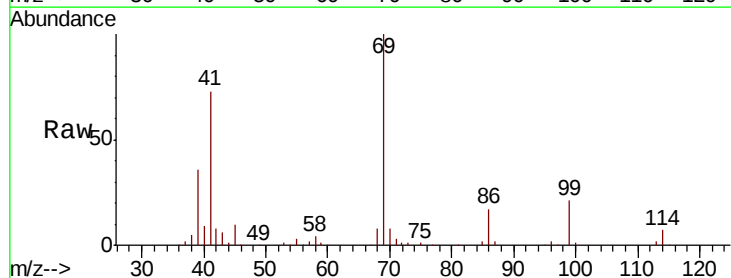


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

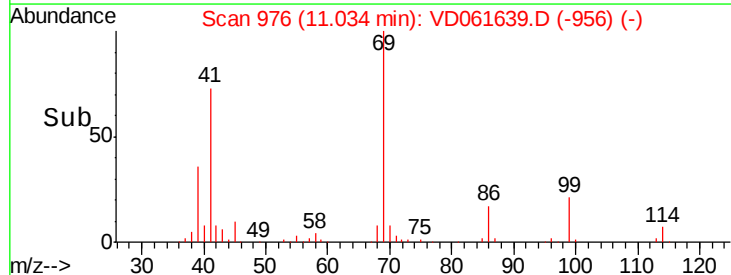
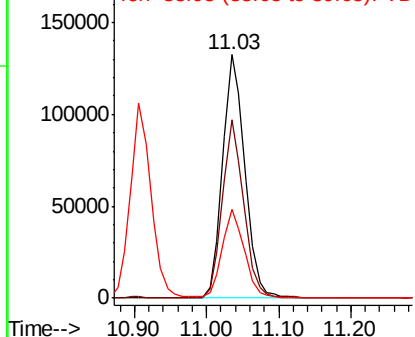


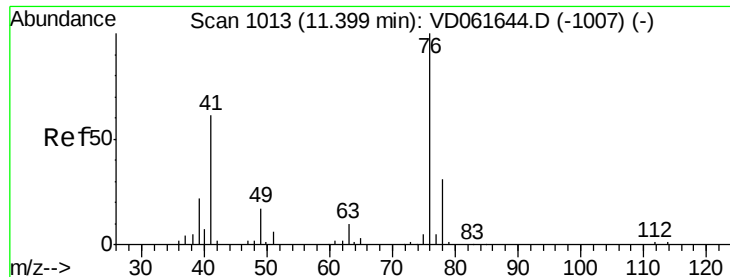
#56
 Ethyl methacrylate
 Concen: 52.011 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Tgt Ion: 69 Resp: 283027
 Ion Ratio Lower Upper
 69 100
 41 73.1 55.2 82.8
 39 36.3 28.6 43.0



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





#57

1,3-Dichloropropane

Concen: 51.397 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

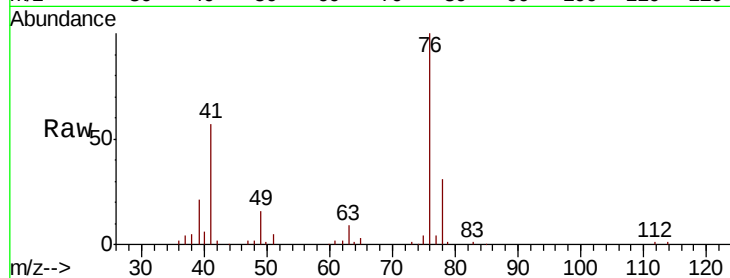
ClientSampled :

Tot Ion: 76 Resp: 388647

Ion Ratio Lower Upper

76 100

78 31.3 24.5 36.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

11.41

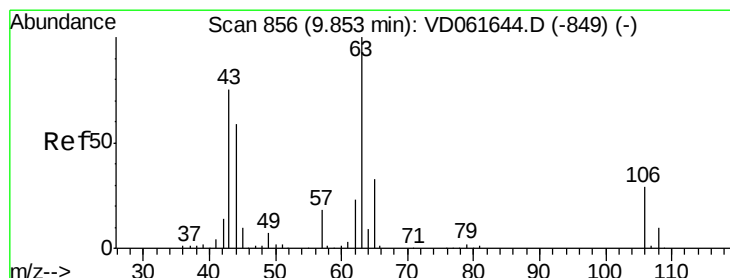
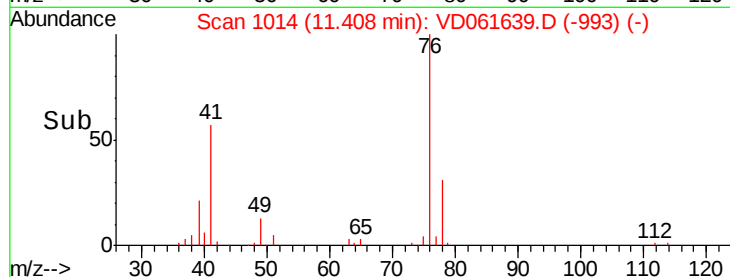
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 242.436 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD061639.D

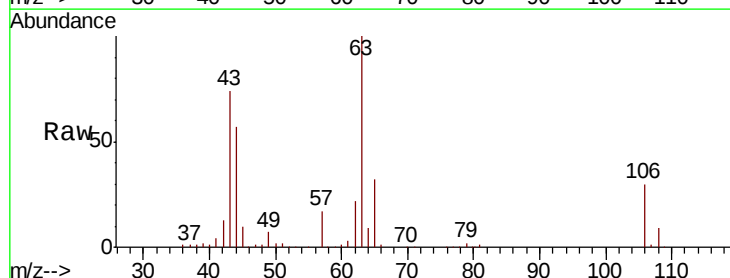
Acq: 6 Apr 2019 13:02

Tgt Ion: 63 Resp: 597688

Ion Ratio Lower Upper

63 100

106 29.7 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

300000

250000

200000

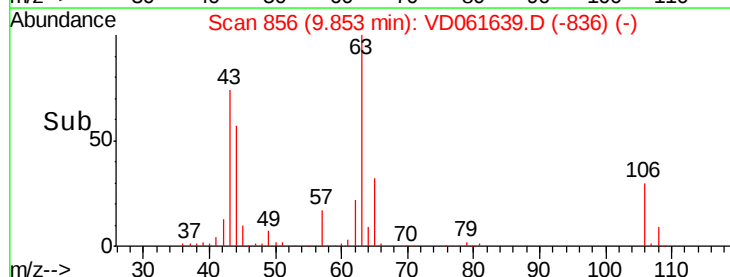
150000

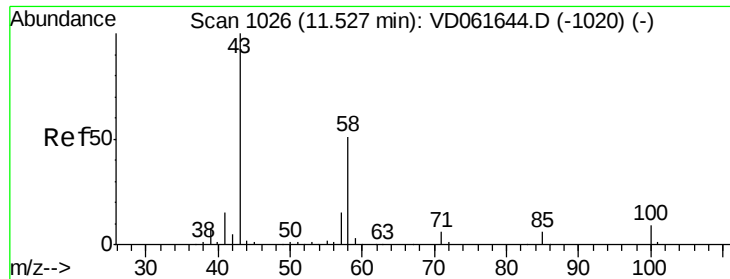
100000

50000

0

Time-->

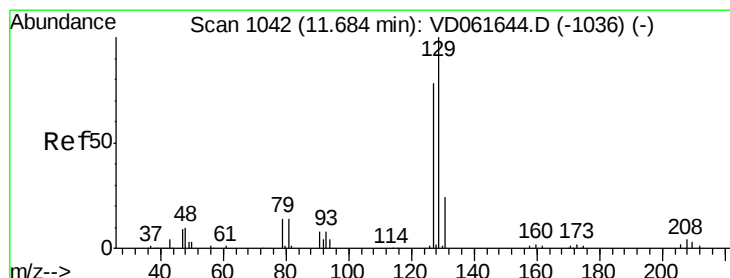
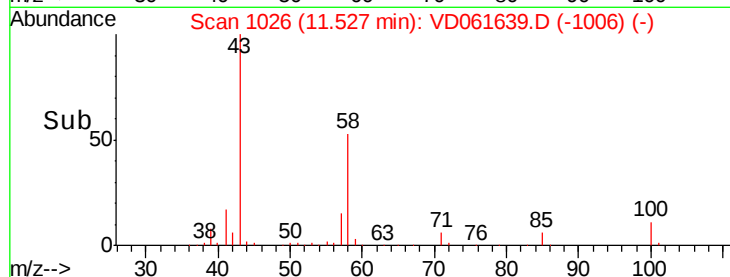
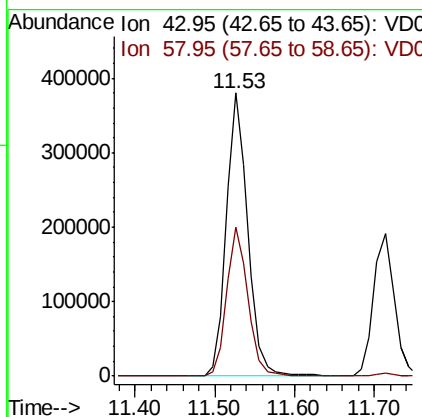
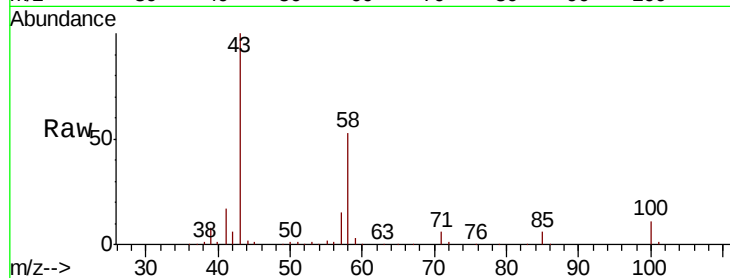




#59
2-Hexanone
Concen: 268.791 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

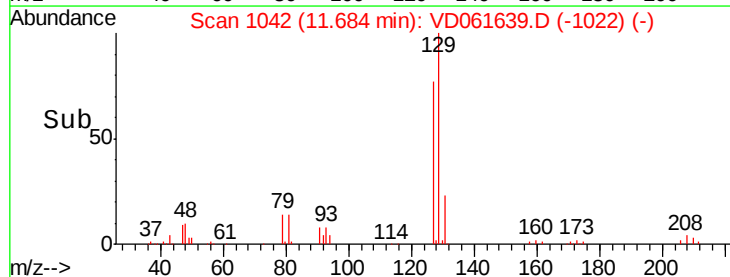
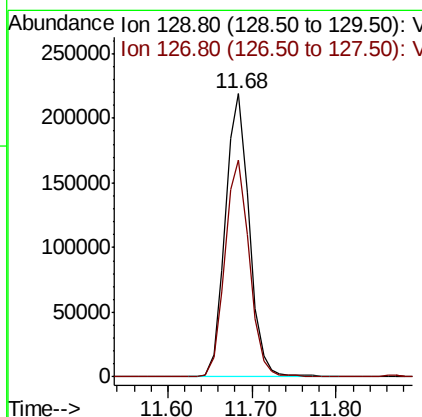
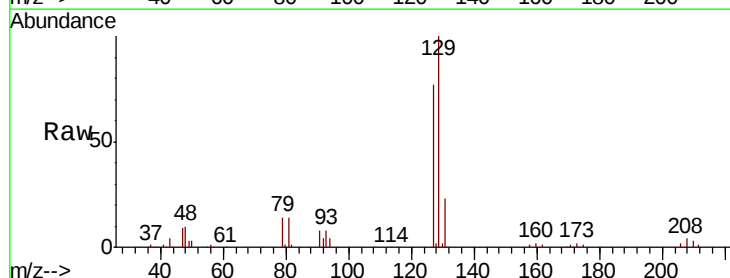
Instrument :
MSVOA_D
ClientSampled :

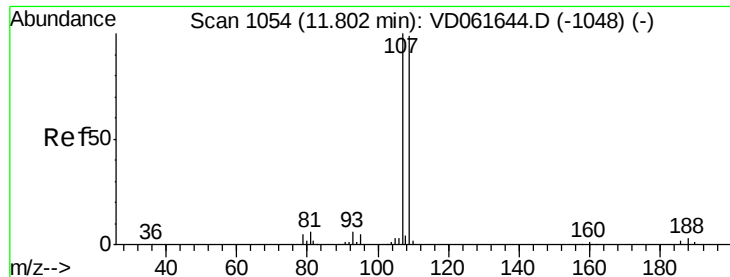
Tot Ion: 43 Resp: 722162
Ion Ratio Lower Upper
43 100
58 52.8 25.6 76.8



#60
Dibromochloromethane
Concen: 54.054 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion: 129 Resp: 430908
Ion Ratio Lower Upper
129 100
127 76.6 38.8 116.4

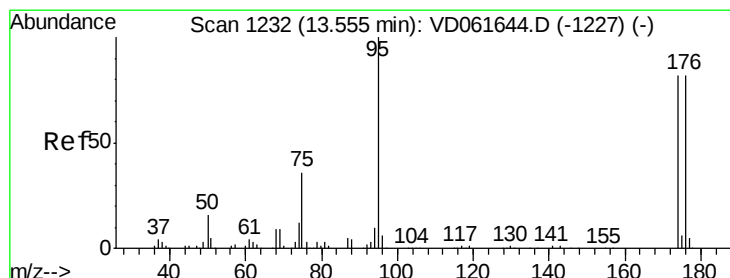
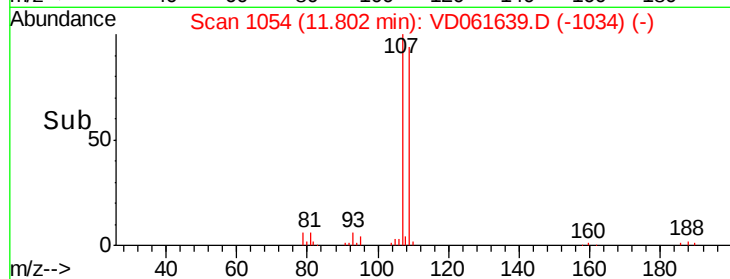
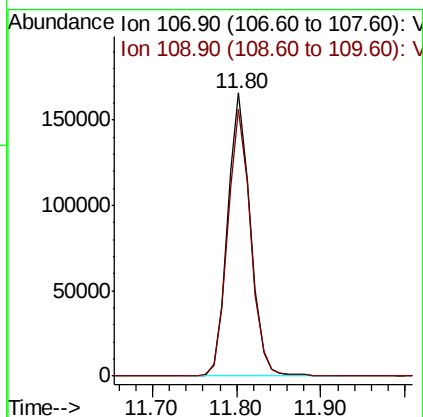
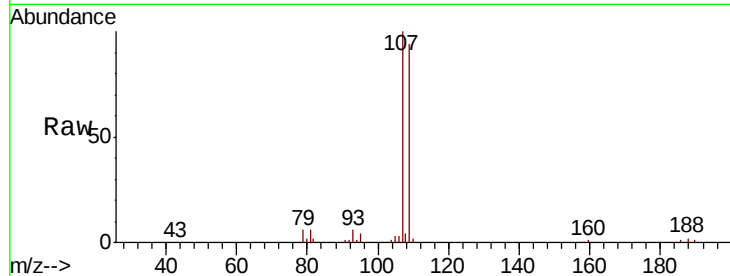




#61
 1,2-Dibromoethane
 Concen: 52.365 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

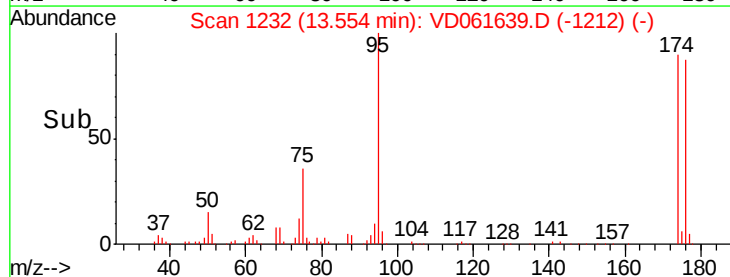
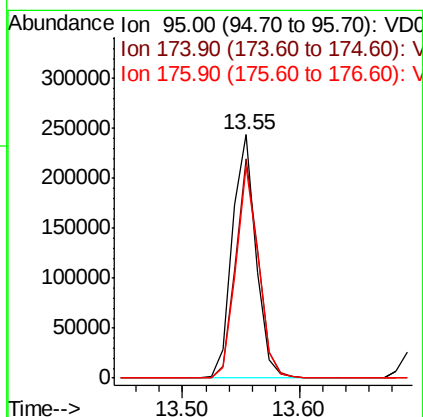
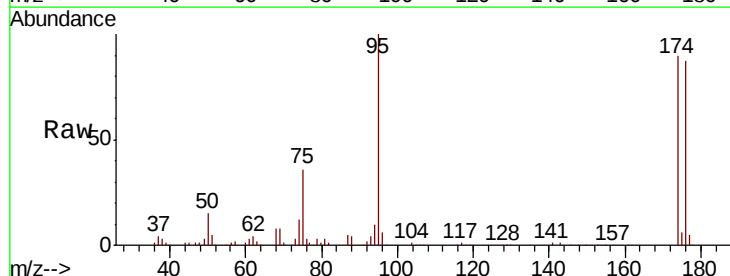
Instrument :
 MSVOA_D
 ClientSampleId :

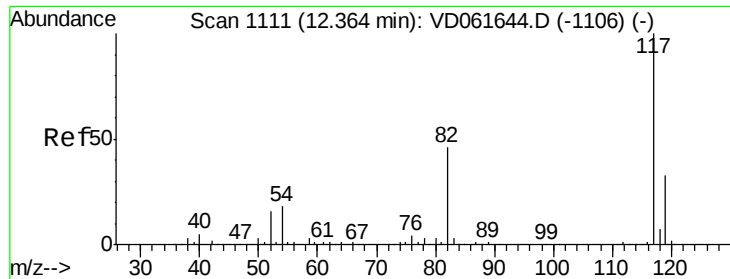
Tot Ion:107 Resp: 309477
 Ion Ratio Lower Upper
 107 100
 109 94.4 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 52.365 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Tgt Ion: 95 Resp: 341835
 Ion Ratio Lower Upper
 95 100
 174 90.3 0.0 164.6
 176 86.9 0.0 165.0

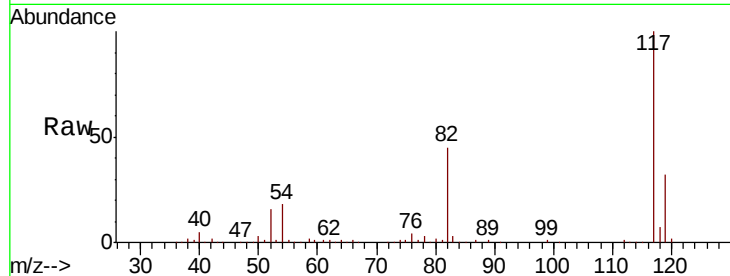




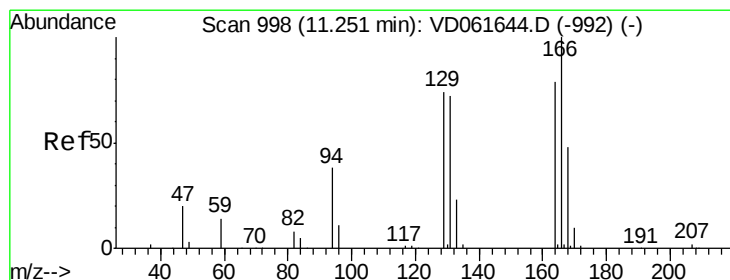
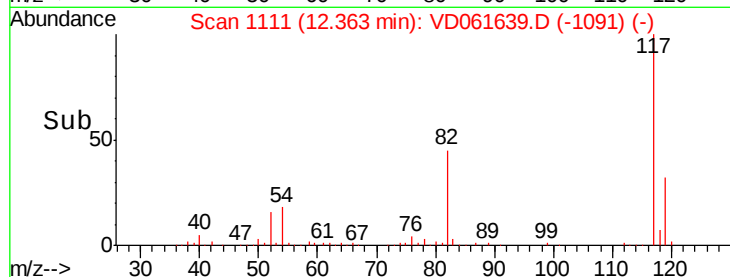
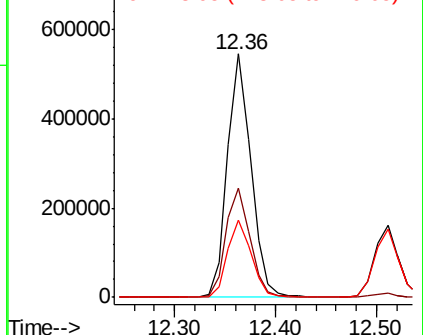
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 891322
Ion Ratio Lower Upper
117 100
82 44.7 36.8 55.2
119 31.9 26.1 39.1

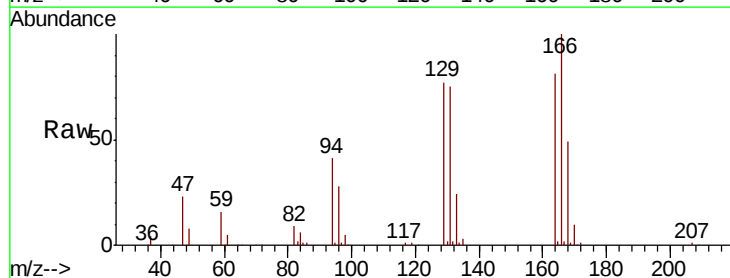


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

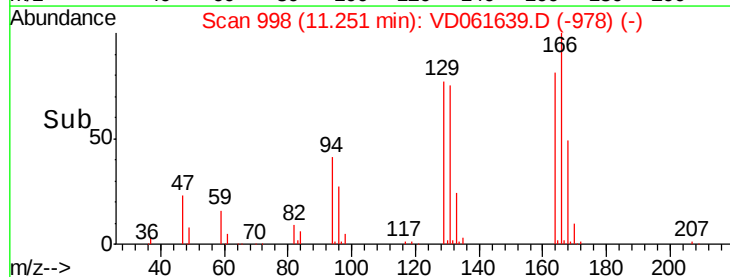
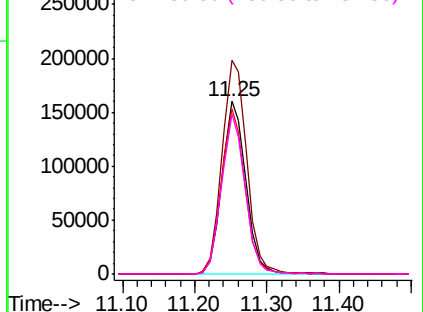


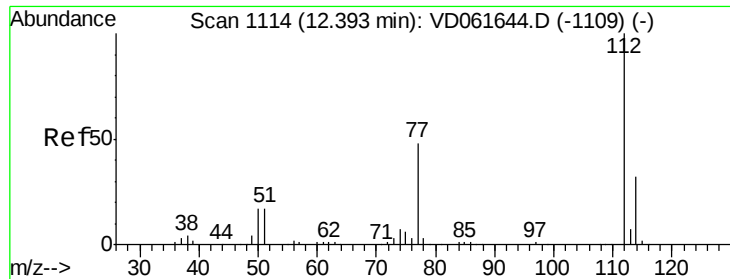
#64
Tetrachloroethene
Concen: 53.745 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion:164 Resp: 365548
Ion Ratio Lower Upper
164 100
166 124.0 101.8 152.8
129 96.0 75.4 113.0
131 92.6 73.6 110.4



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

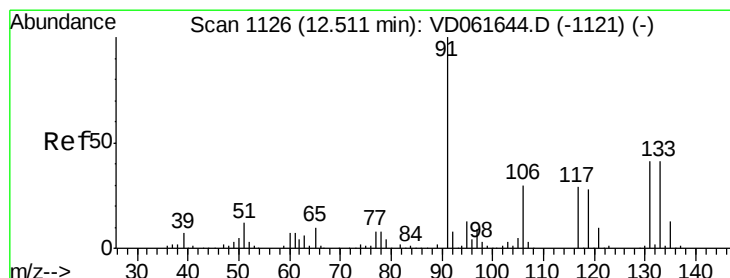
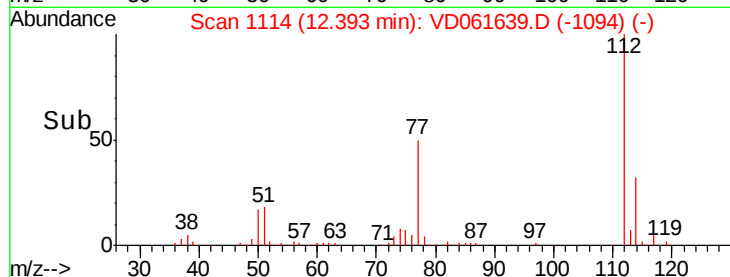
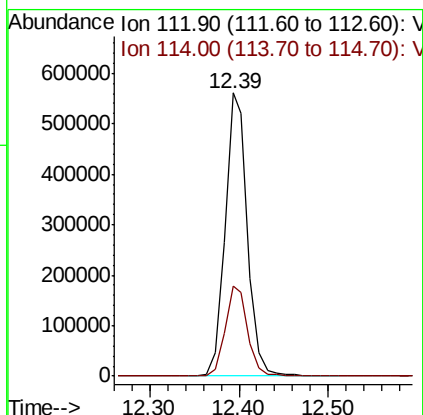
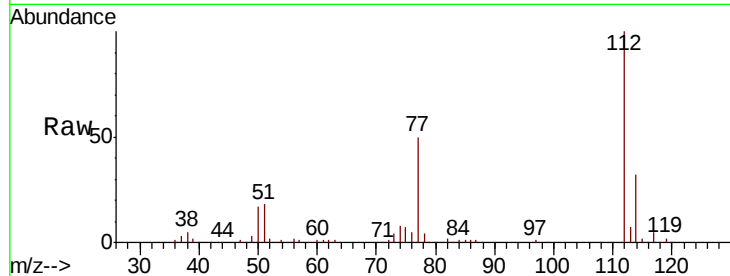




#65
Chlorobenzene
Concen: 55.872 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

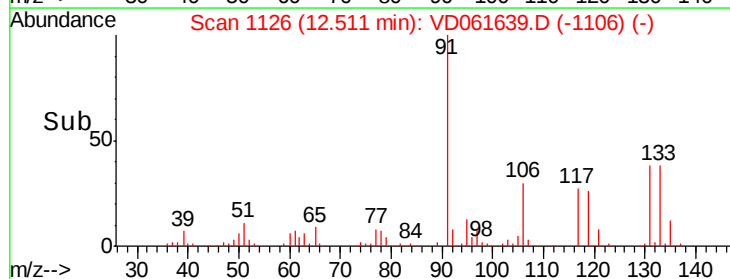
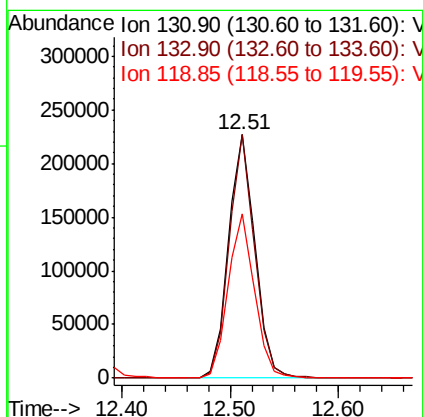
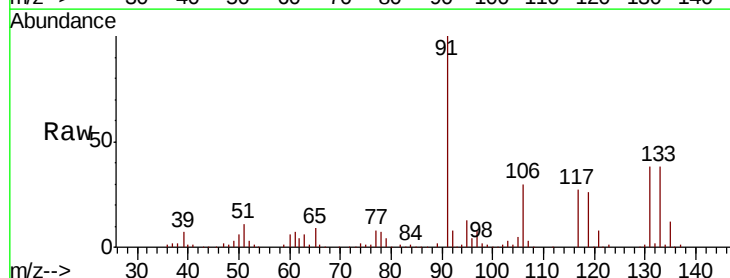
Instrument :
MSVOA_D
ClientSampled :

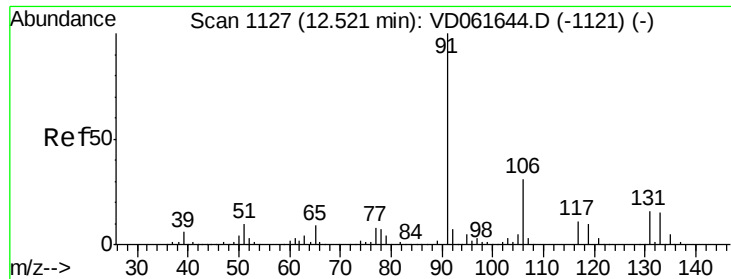
Tot Ion:112 Resp: 981809
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 55.256 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion:131 Resp: 386120
Ion Ratio Lower Upper
131 100
133 100.0 49.5 148.3
119 67.5 34.7 104.1

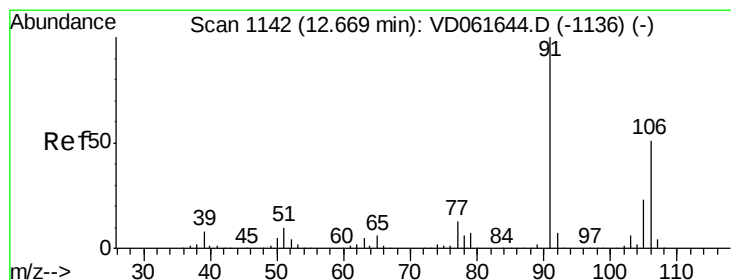
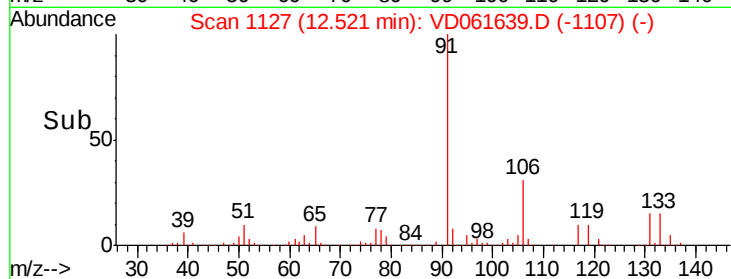
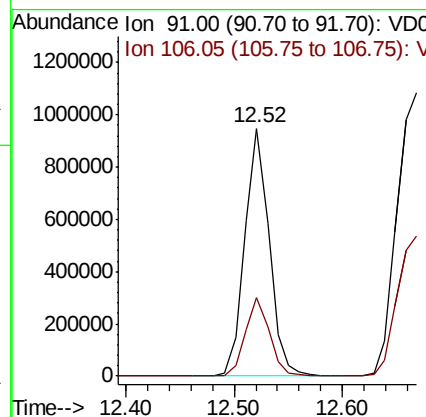
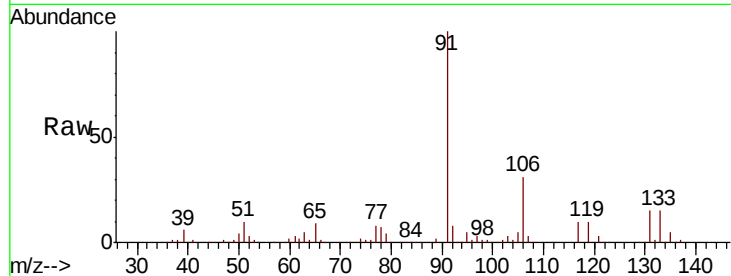




#67
Ethyl Benzene
Concen: 53.170 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

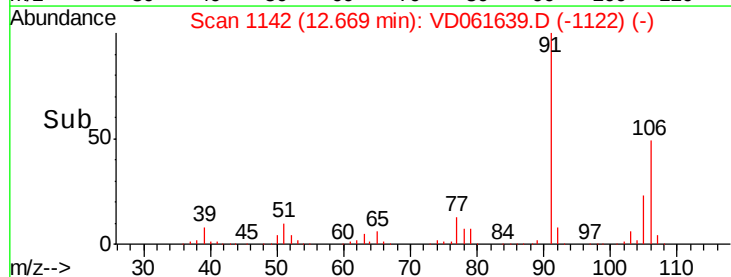
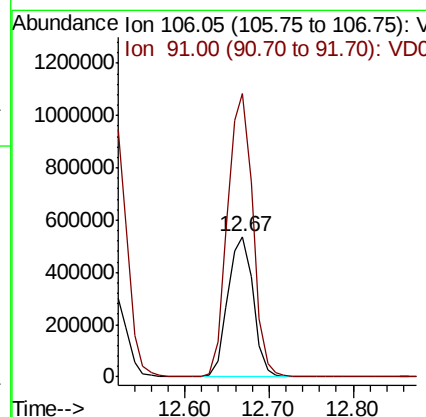
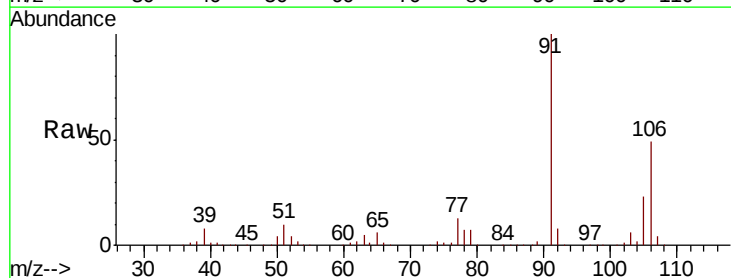
Instrument :
MSVOA_D
ClientSampleID :

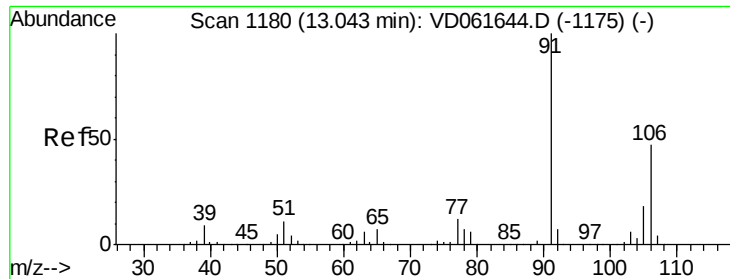
Tot Ion: 91 Resp: 1488325
Ion Ratio Lower Upper
91 100
106 31.5 24.6 37.0



#68
m/p-Xylenes
Concen: 108.443 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion:106 Resp: 1121211
Ion Ratio Lower Upper
106 100
91 202.1 156.7 235.1

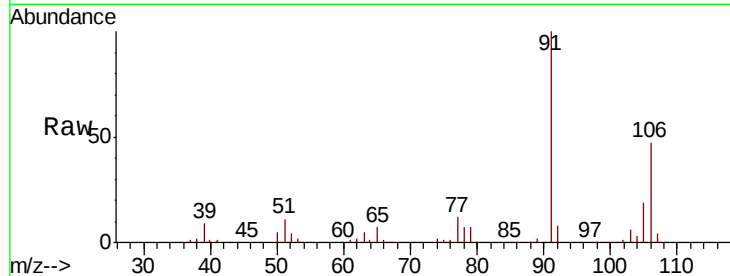




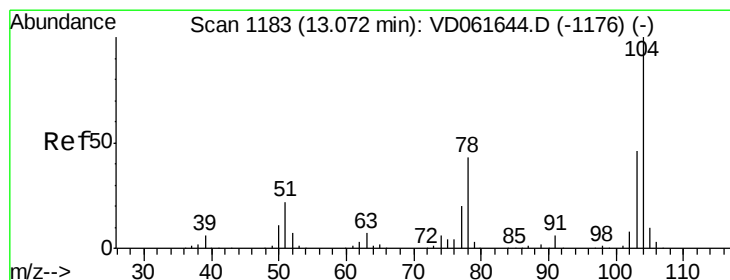
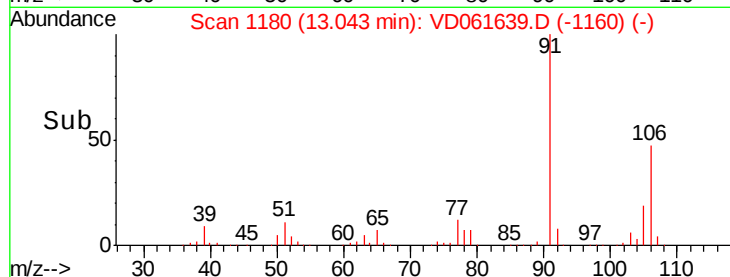
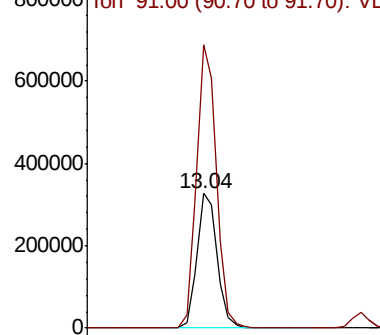
#69
o-Xylene
Concen: 53.833 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 538295
Ion Ratio Lower Upper
106 100
91 210.7 107.3 321.9

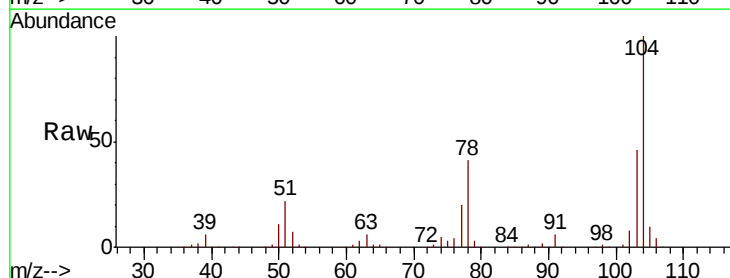


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

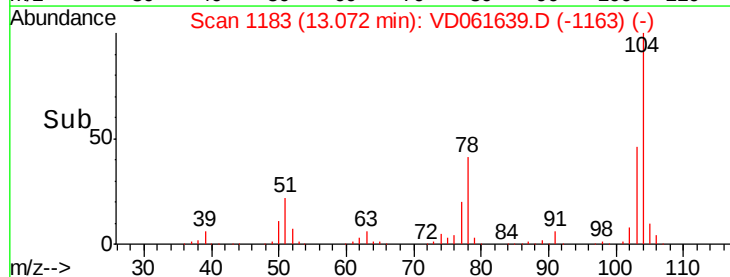
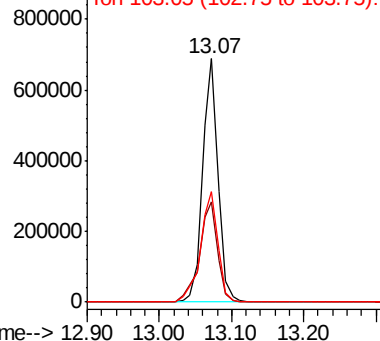


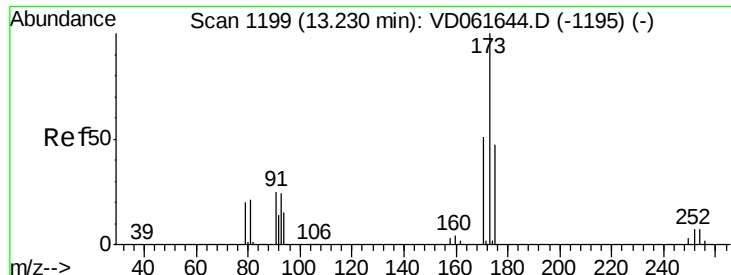
#70
Styrene
Concen: 59.399 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion:104 Resp: 1017113
Ion Ratio Lower Upper
104 100
78 41.0 34.2 51.4
103 45.6 37.2 55.8



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: 54.654 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

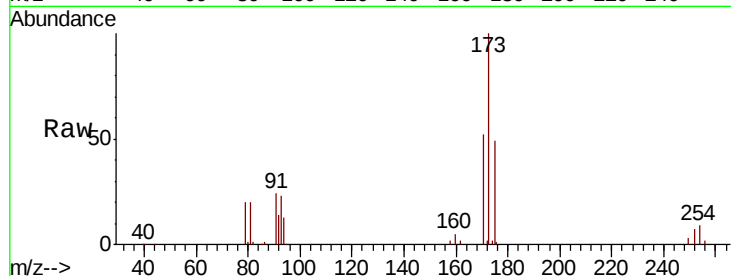
Tot Ion:173 Resp: 227916

Ion Ratio Lower Upper

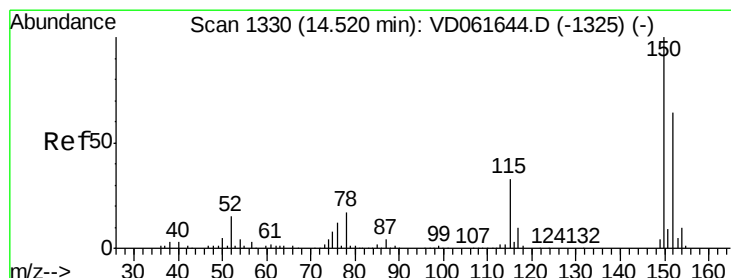
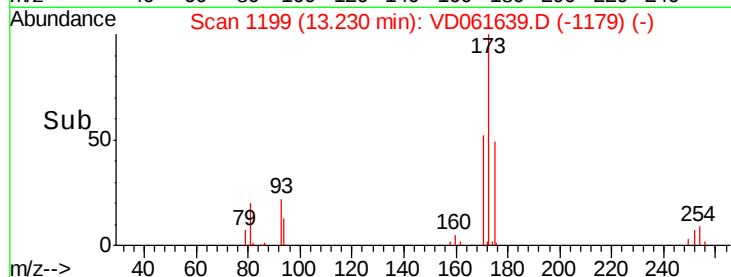
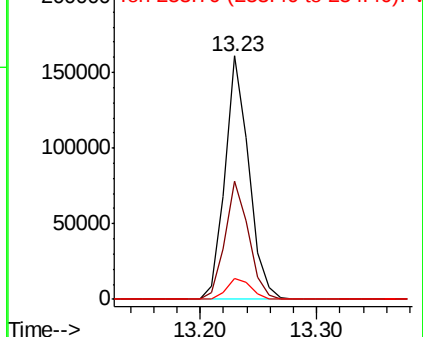
173 100

175 48.6 23.7 71.1

254 8.6 5.8 8.6



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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

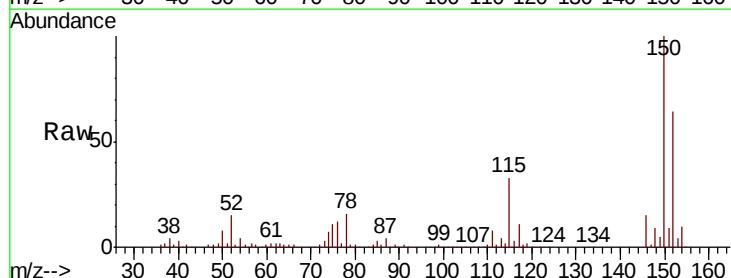
Tgt Ion:152 Resp: 410353

Ion Ratio Lower Upper

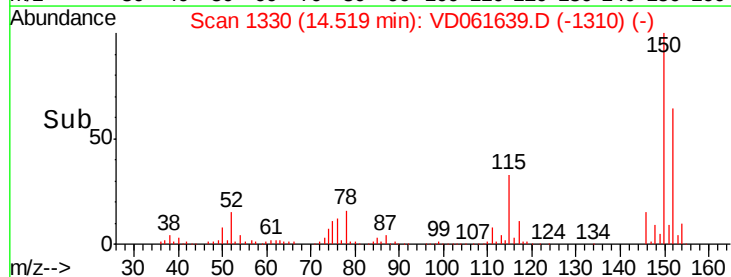
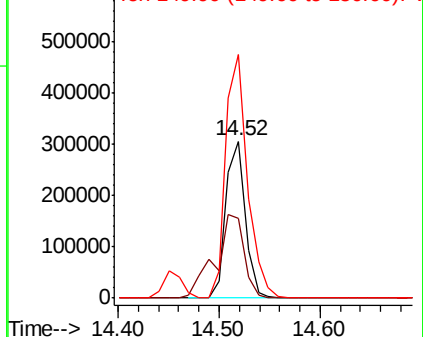
152 100

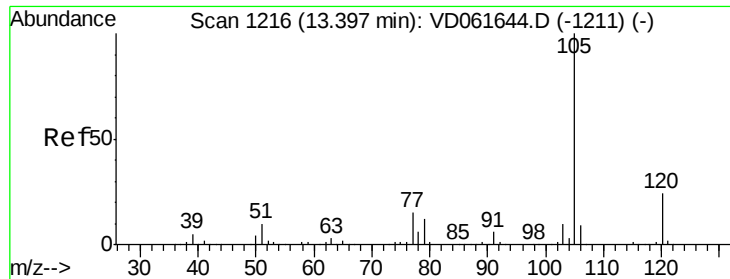
115 50.7 26.4 79.2

150 155.1 0.0 320.6



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: 56.290 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

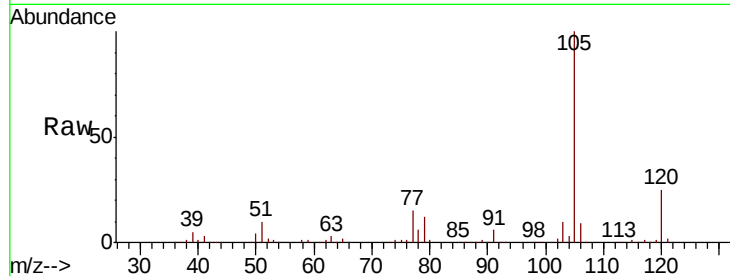
ClientSampled :

Tot Ion:105 Resp: 1554640

Ion Ratio Lower Upper

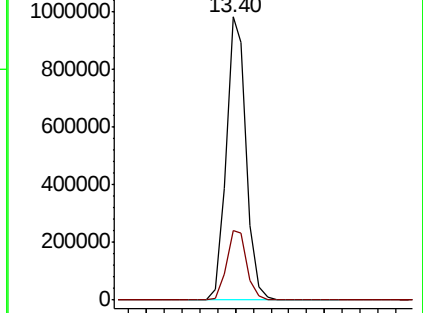
105 100

120 24.5 12.2 36.4

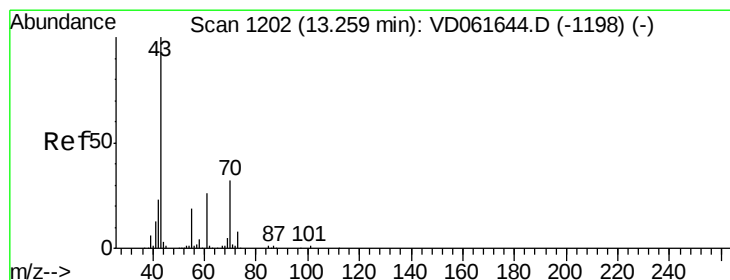
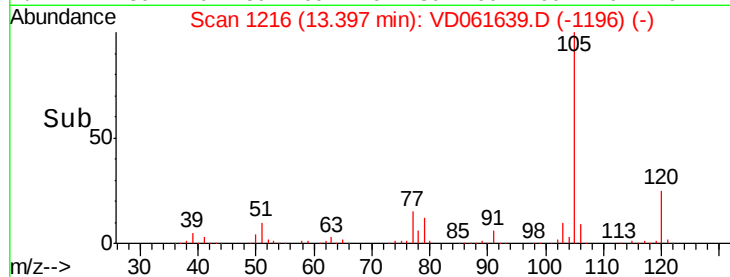


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 50.411 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Tgt Ion: 43 Resp: 376290

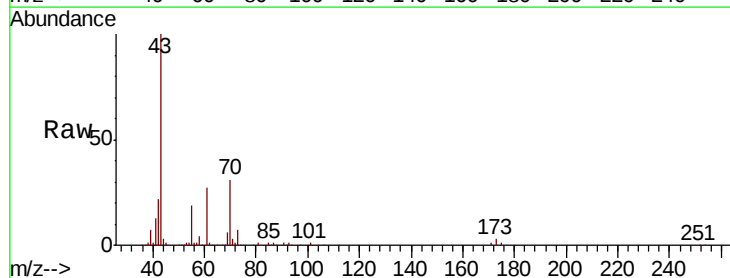
Ion Ratio Lower Upper

43 100

70 31.3 25.4 38.2

55 19.4 15.0 22.4

61 27.5 20.9 31.3

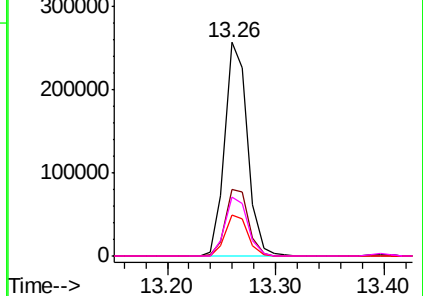


Abundance Ion 42.95 (42.65 to 43.65): VDC

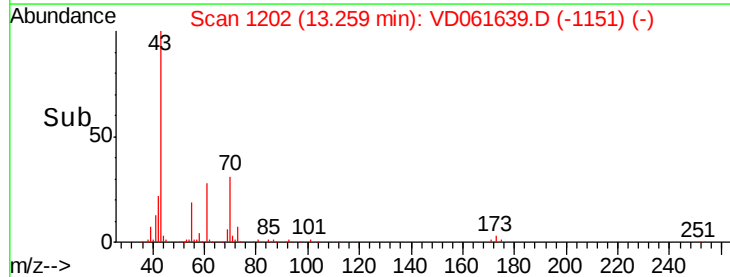
Ion 70.00 (69.70 to 70.70): VDC

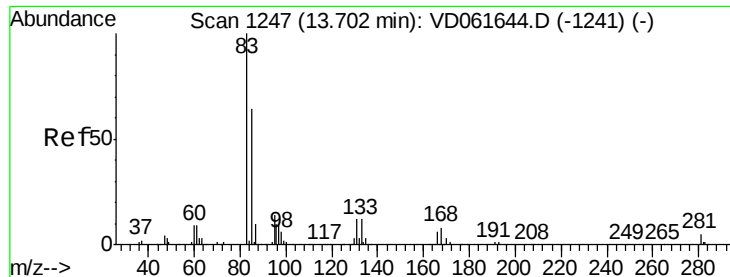
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 53.740 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

ClientSampled :

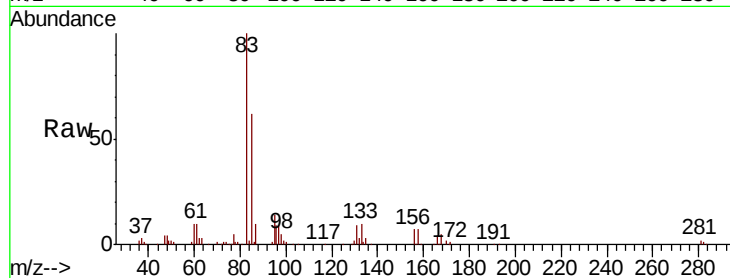
Tot Ion: 83 Resp: 296784

Ion Ratio Lower Upper

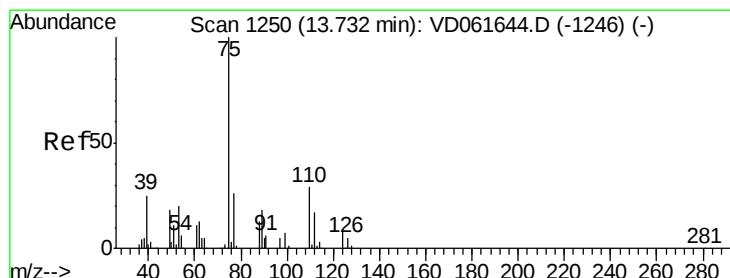
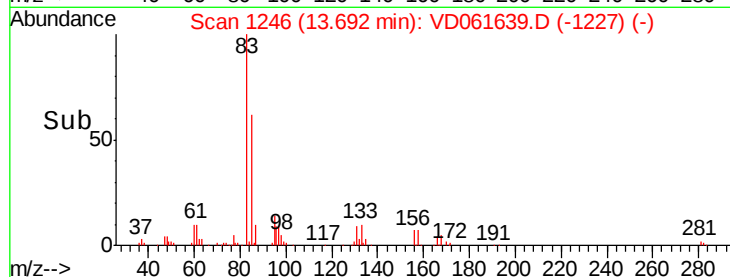
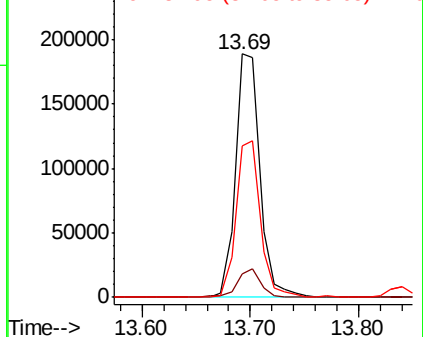
83 100

131 9.4 5.9 17.6

85 62.3 32.0 96.2



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: 55.851 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061639.D

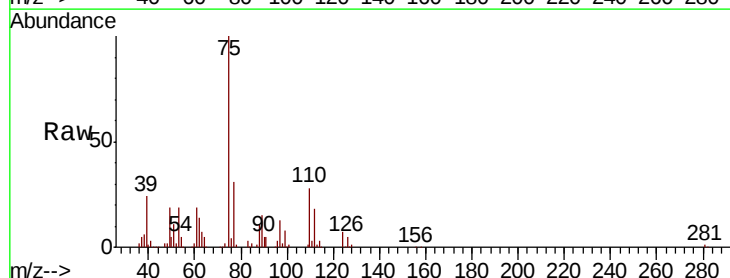
Acq: 6 Apr 2019 13:02

Tgt Ion: 75 Resp: 307547

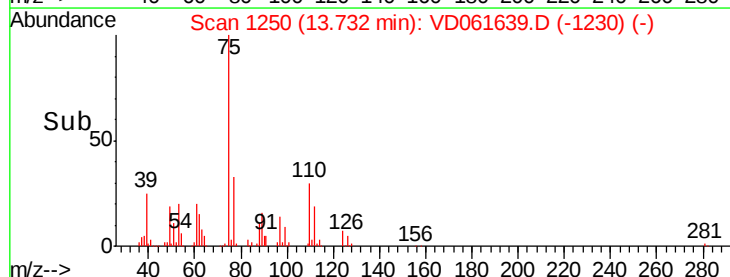
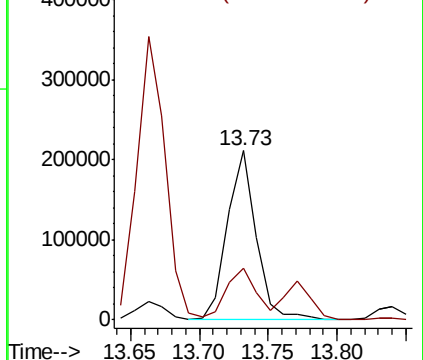
Ion Ratio Lower Upper

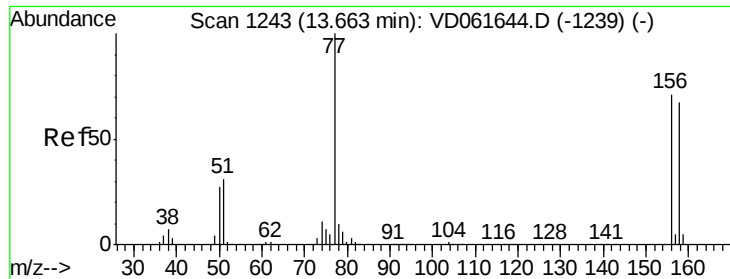
75 100

77 30.9 15.7 47.1



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





#77

Bromobenzene

Concen: 51.959 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

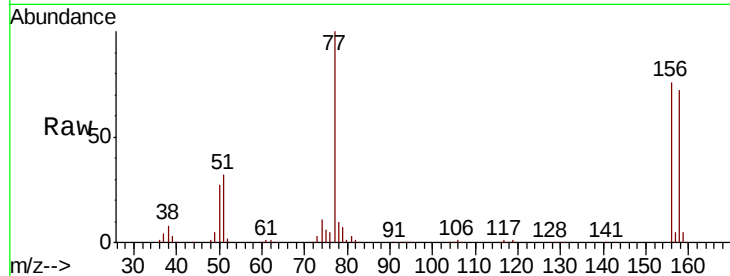
Tot Ion:156 Resp: 420428

Ion Ratio Lower Upper

156 100

77 132.0 70.3 210.8

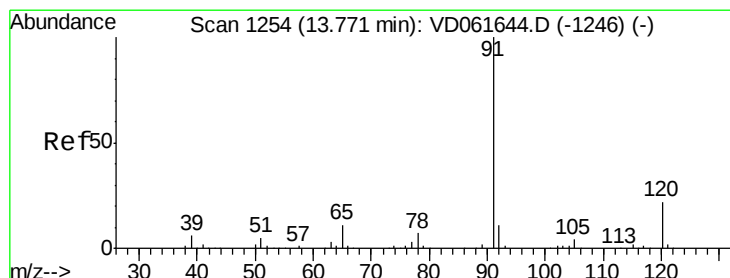
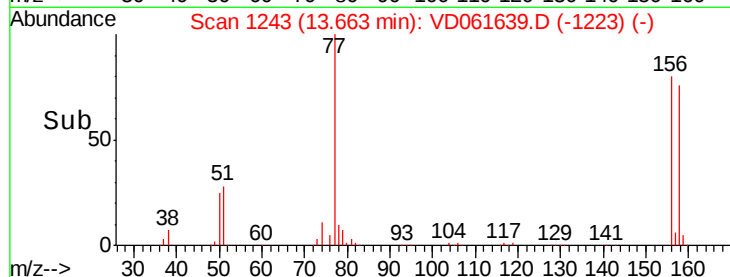
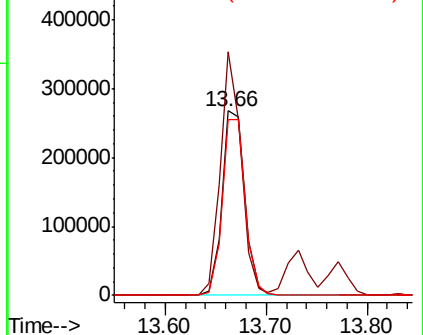
158 95.3 47.4 142.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 55.544 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061639.D

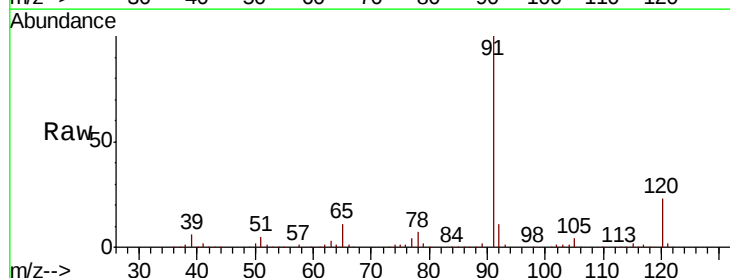
Acq: 6 Apr 2019 13:02

Tgt Ion: 91 Resp: 1804478

Ion Ratio Lower Upper

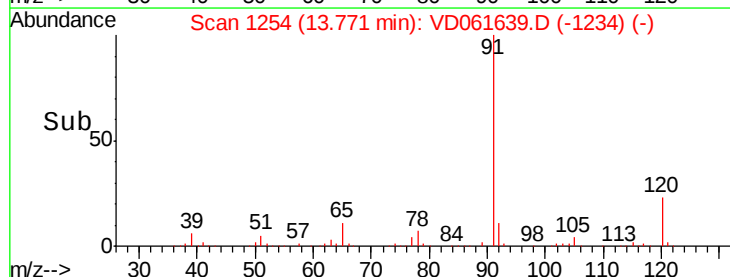
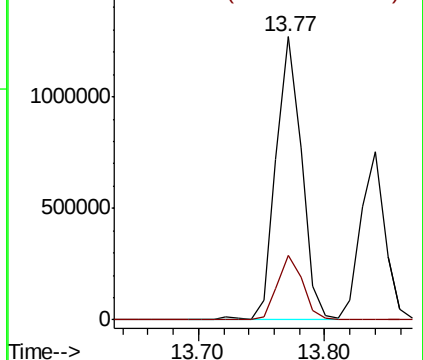
91 100

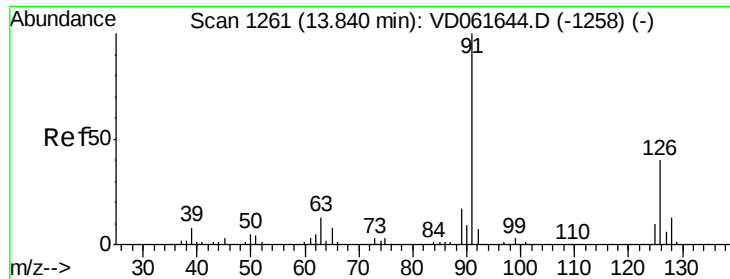
120 22.9 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

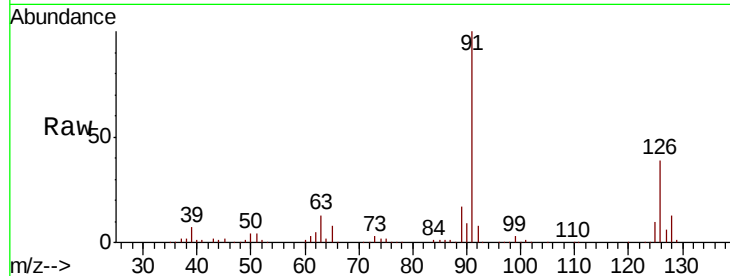




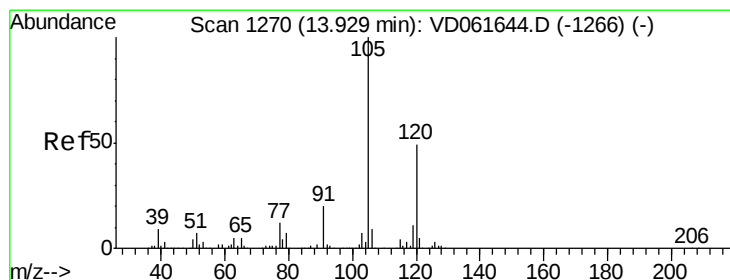
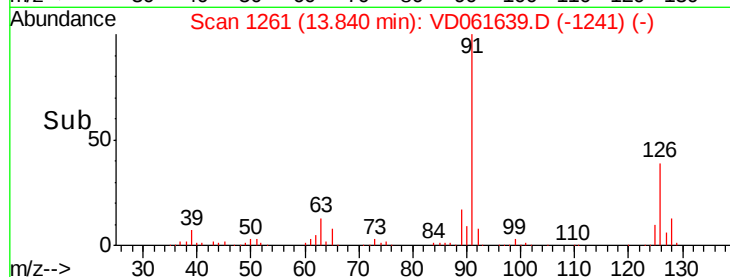
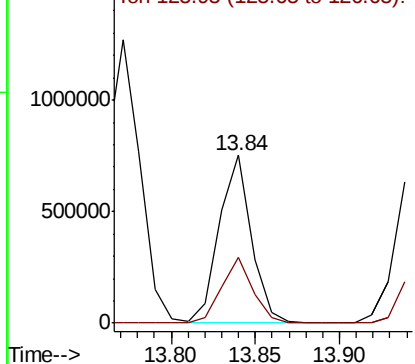
#79
 2-Chlorotoluene
 Concen: 53.583 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 995423
 Ion Ratio Lower Upper
 91 100
 126 38.9 20.0 59.9

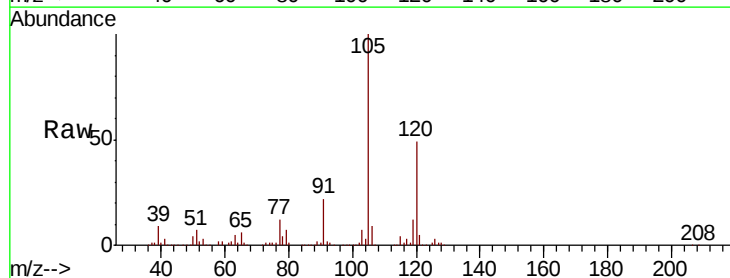


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

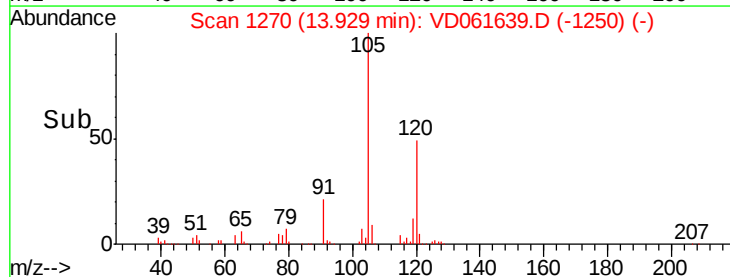
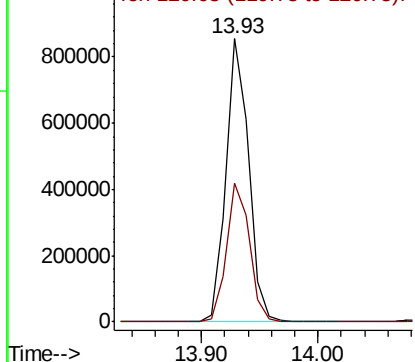


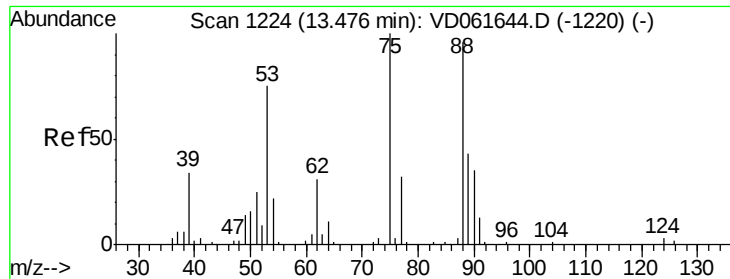
#80
 1,3,5-Trimethylbenzene
 Concen: 52.938 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Tgt Ion: 105 Resp: 1147464
 Ion Ratio Lower Upper
 105 100
 120 49.2 24.4 73.2



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: 50.814 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

ClientSampled :

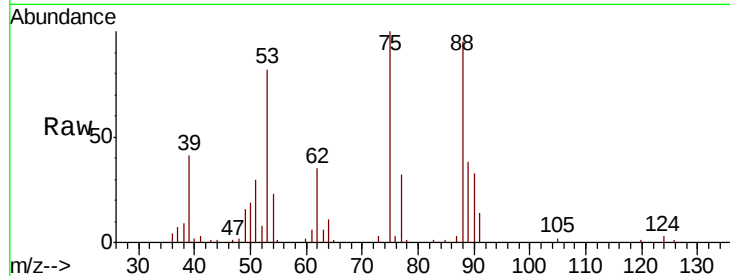
Tot Ion: 75 Resp: 86601

Ion Ratio Lower Upper

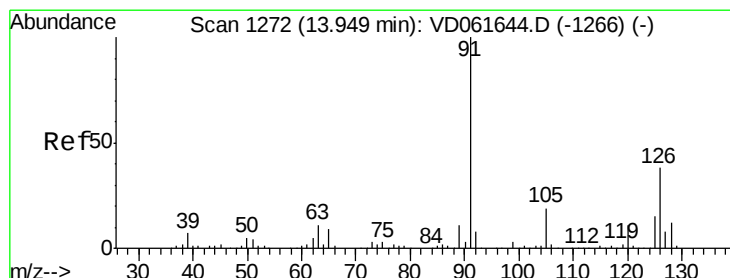
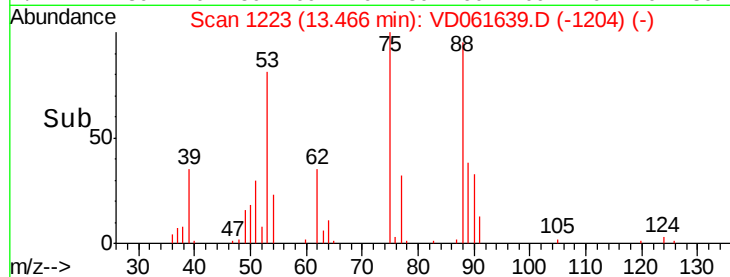
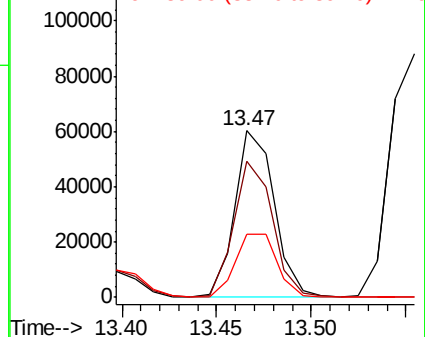
75 100

53 81.6 60.2 90.2

89 38.3 34.2 51.2



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: 56.090 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061639.D

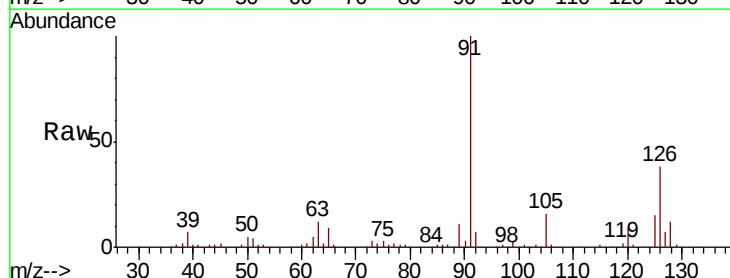
Acq: 6 Apr 2019 13:02

Tgt Ion: 91 Resp: 1138536

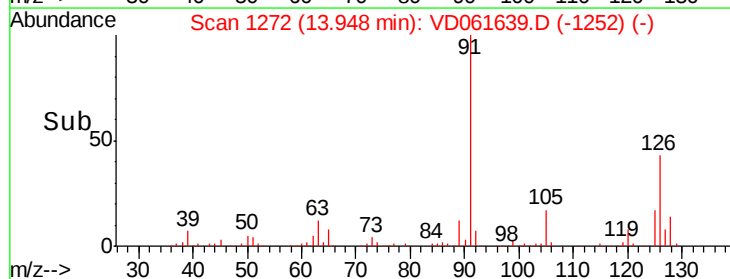
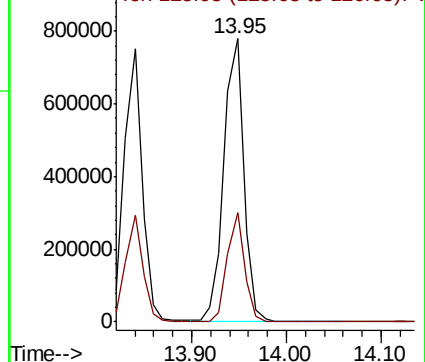
Ion Ratio Lower Upper

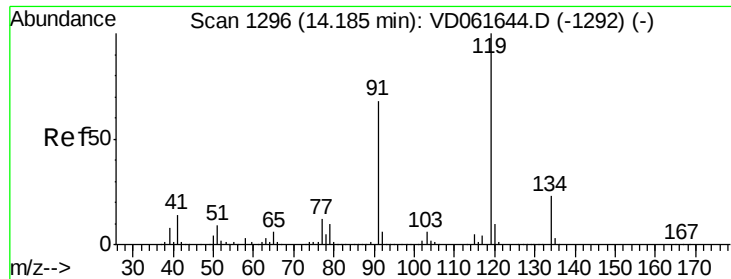
91 100

126 38.5 19.0 57.0



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

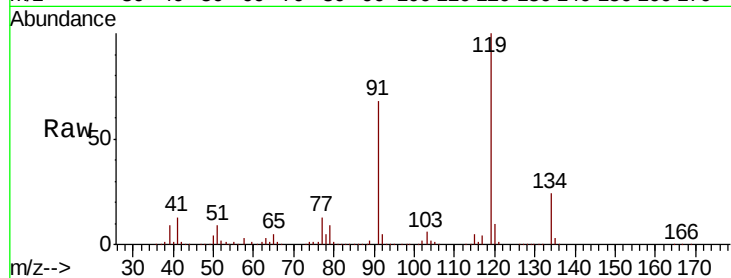




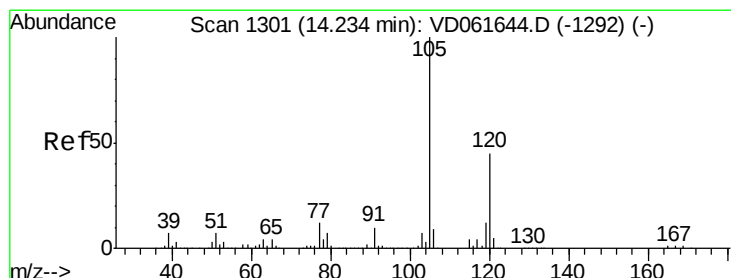
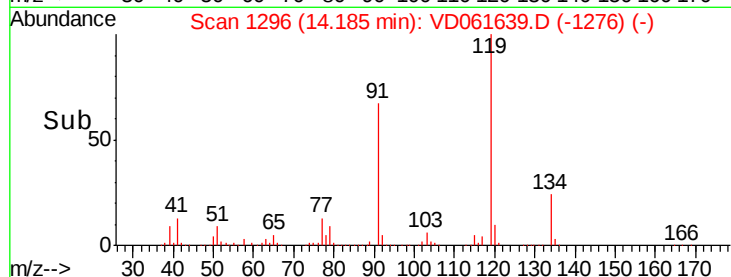
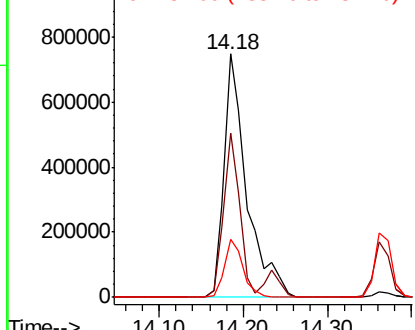
#83
 tert-Butylbenzene
 Concen: 54.217 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:119 Resp: 1405975
 Ion Ratio Lower Upper
 119 100
 91 67.6 33.9 101.6
 134 23.7 11.6 34.8

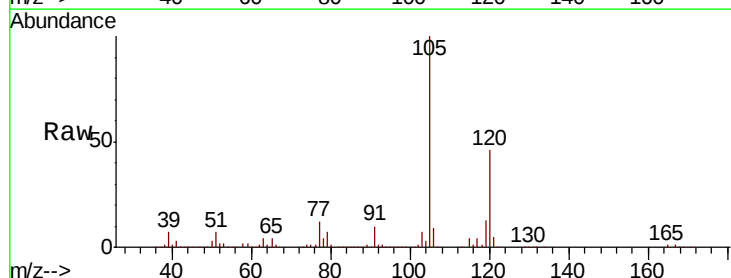


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

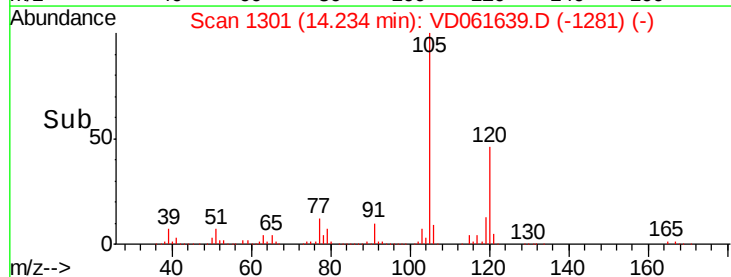
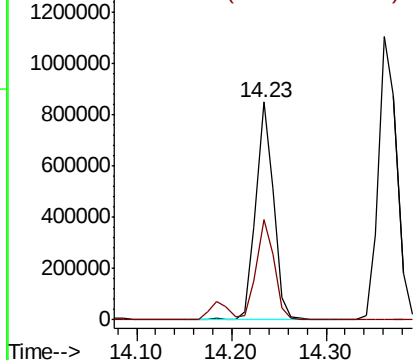


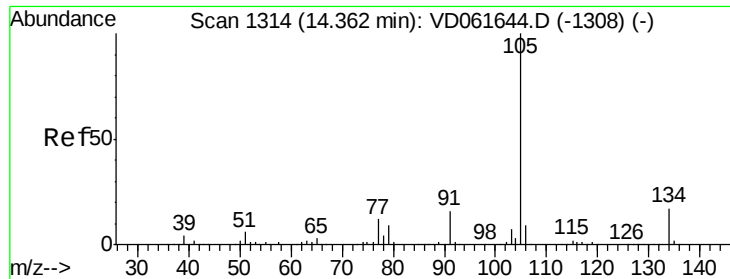
#84
 1,2,4-Trimethylbenzene
 Concen: 49.747 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Tgt Ion:105 Resp: 1108051
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.6 67.8



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





#85

sec-Butylbenzene

Concen: 54.026 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

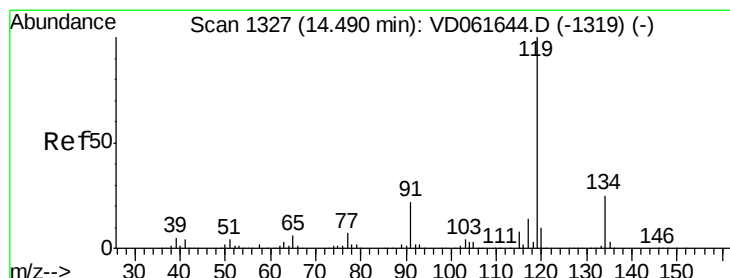
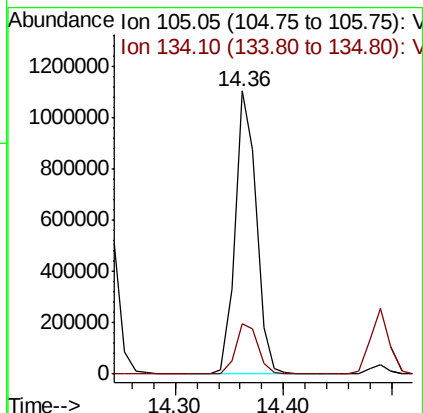
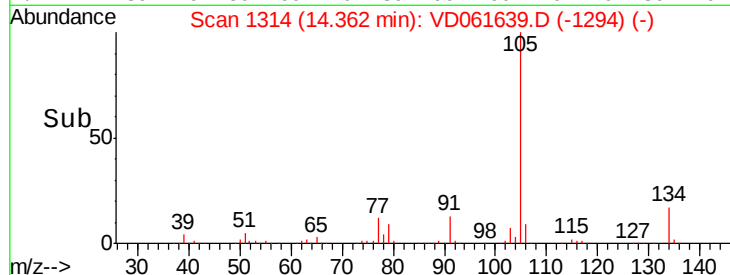
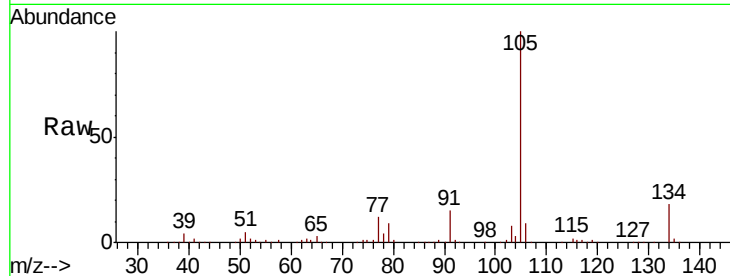
ClientSampleID :

Tot Ion:105 Resp: 1496401

Ion Ratio Lower Upper

105 100

134 17.8 8.6 25.7



#86

p-Isopropyltoluene

Concen: 50.112 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

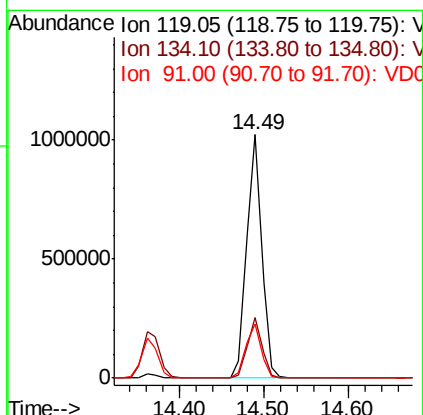
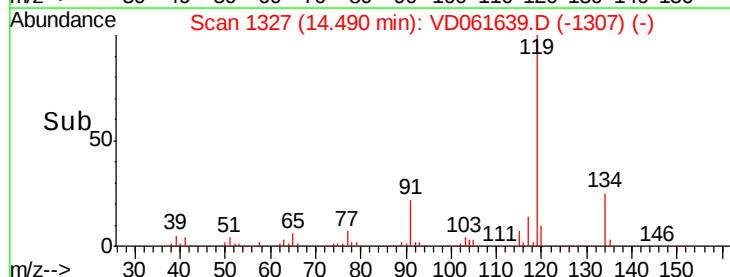
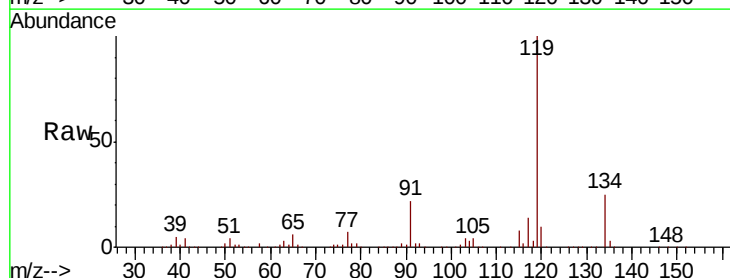
Tgt Ion:119 Resp: 1280491

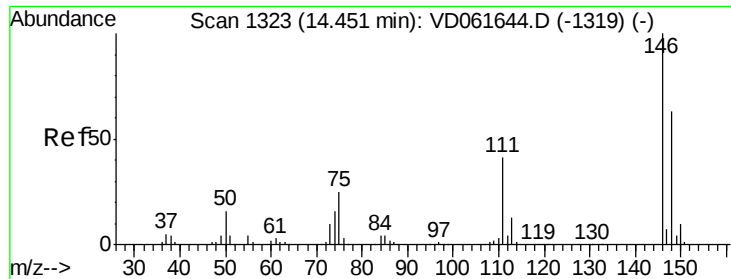
Ion Ratio Lower Upper

119 100

134 25.1 12.5 37.5

91 22.0 11.0 33.0

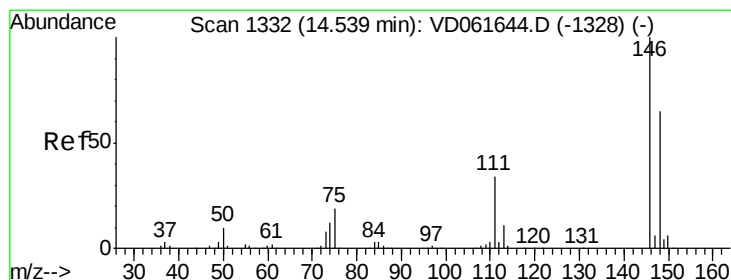
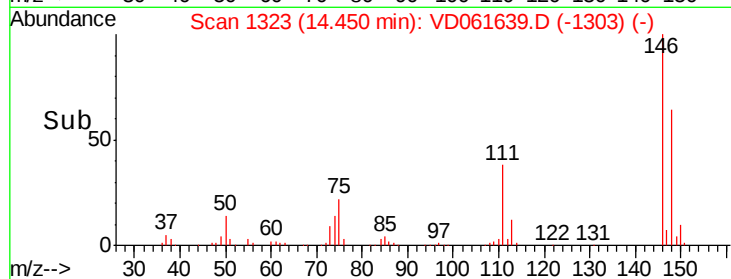
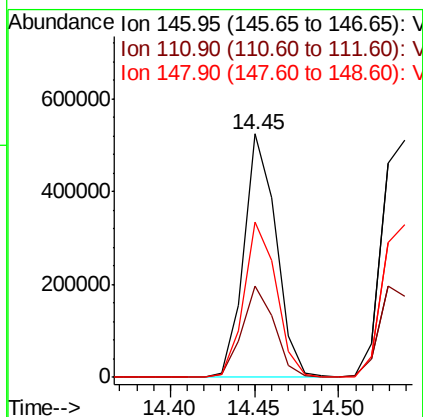
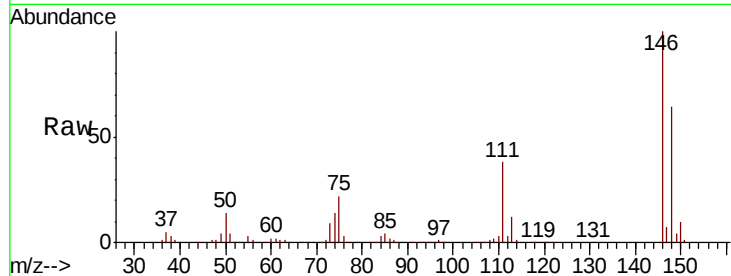




#87
 1,3-Dichlorobenzene
 Concen: 50.631 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

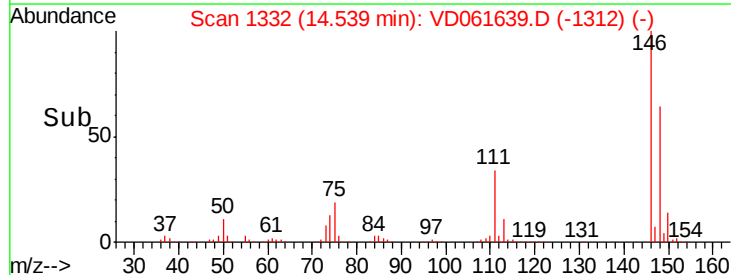
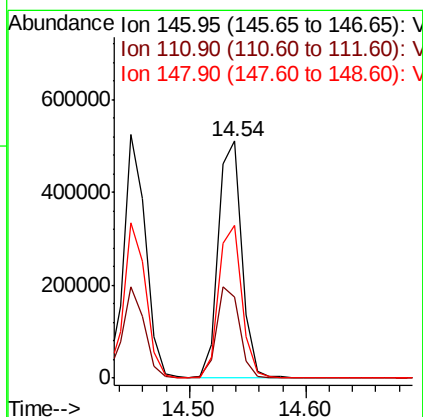
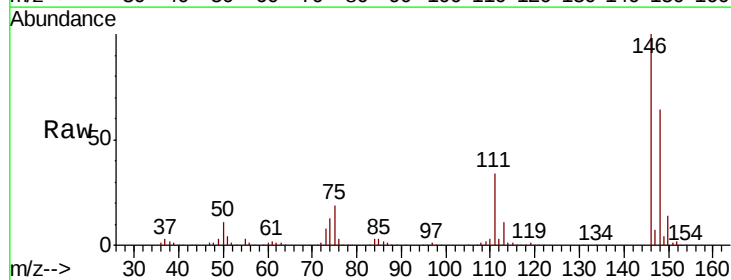
Instrument :
 MSVOA_D
 ClientSampleId :

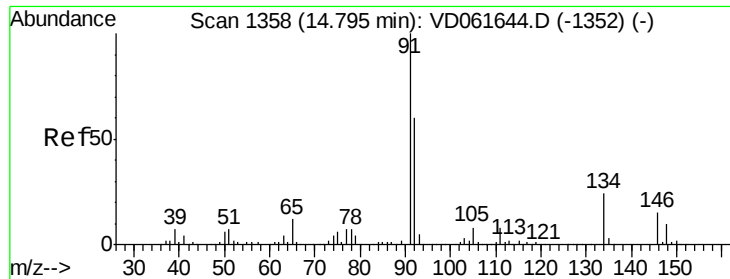
Tot Ion:146 Resp: 697698
 Ion Ratio Lower Upper
 146 100
 111 37.5 20.3 61.0
 148 63.7 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 52.253 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Tgt Ion:146 Resp: 713218
 Ion Ratio Lower Upper
 146 100
 111 34.1 17.1 51.2
 148 64.5 32.6 97.7





#89

n-Butylbenzene

Concen: 52.197 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD061639.D

Acq: 6 Apr 2019 13:02

Instrument :

MSVOA_D

ClientSampleId :

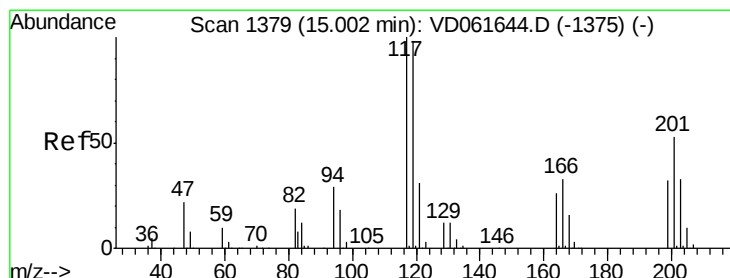
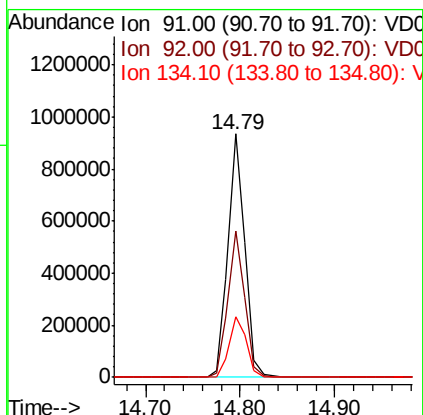
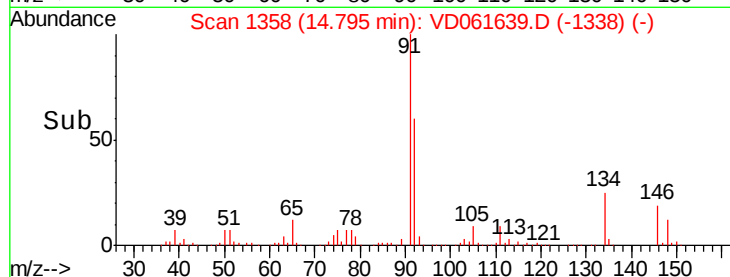
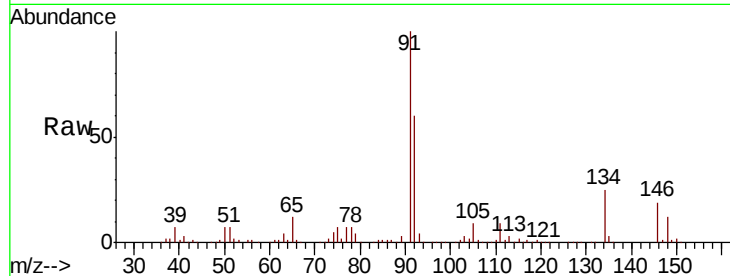
Tot Ion: 91 Resp: 1145044

Ion Ratio Lower Upper

91 100

92 60.2 29.8 89.4

134 25.0 12.2 36.4



#90

Hexachloroethane

Concen: 56.062 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061639.D

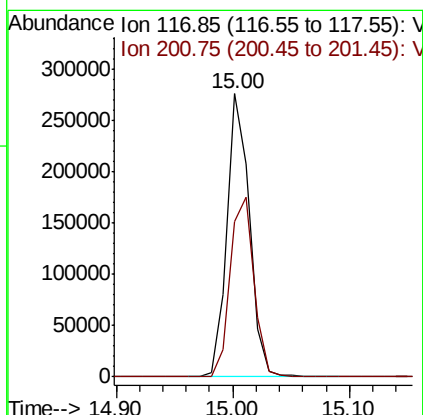
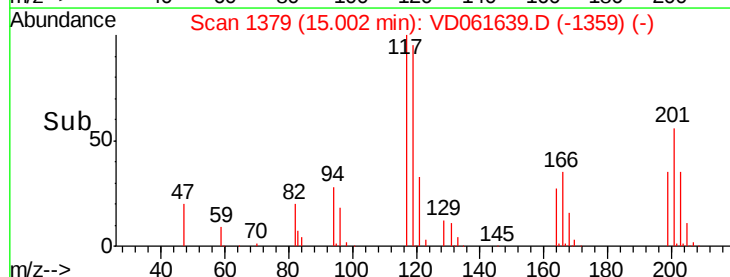
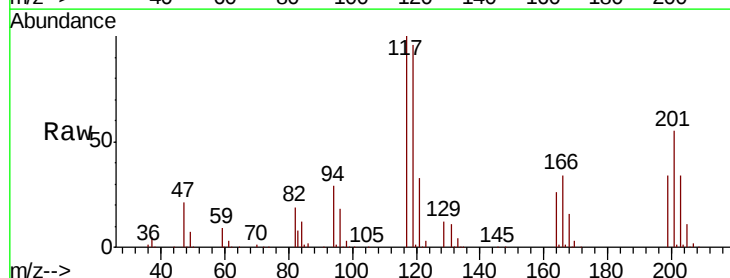
Acq: 6 Apr 2019 13:02

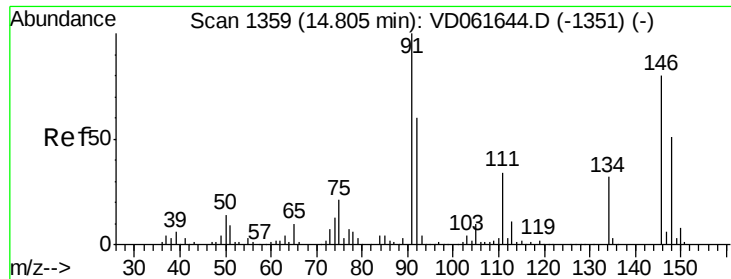
Tgt Ion: 117 Resp: 369775

Ion Ratio Lower Upper

117 100

201 55.0 26.3 78.8

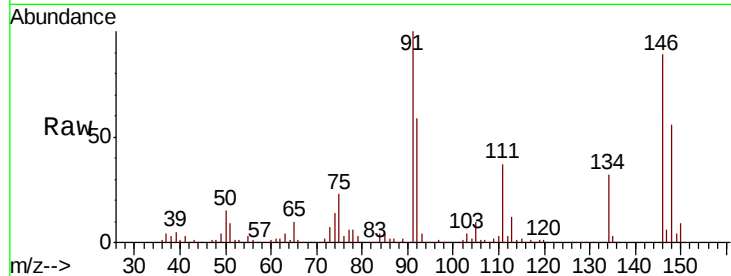




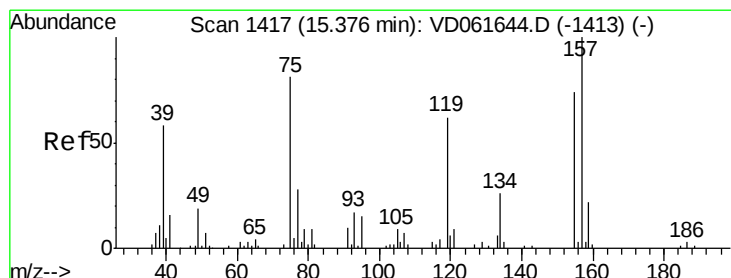
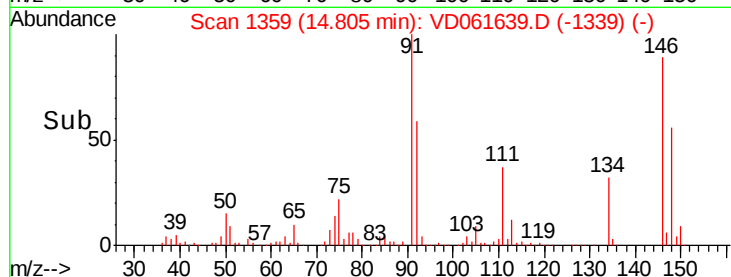
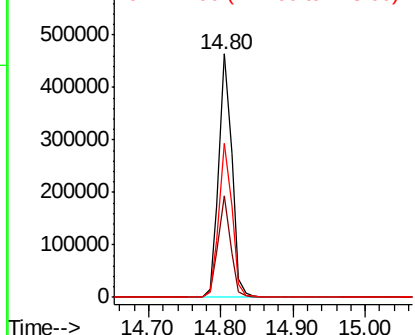
#91
 1,2-Dichlorobenzene
 Concen: 51.101 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 577460
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.1 63.3
 148 63.1 31.7 95.1

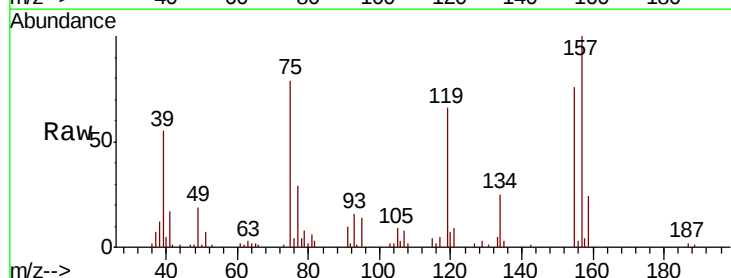


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

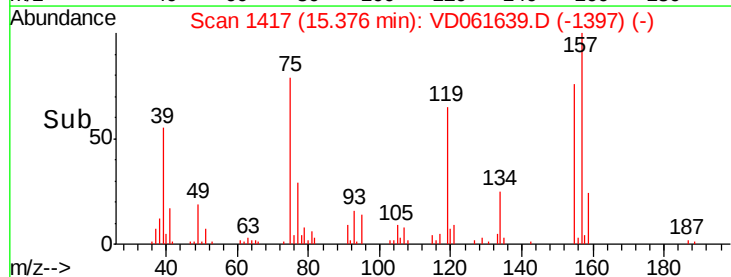
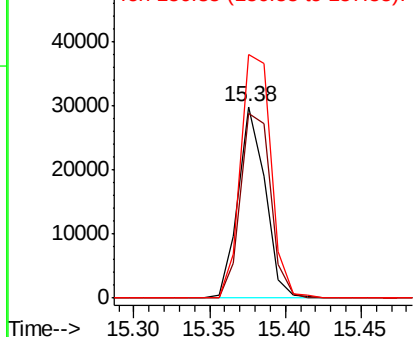


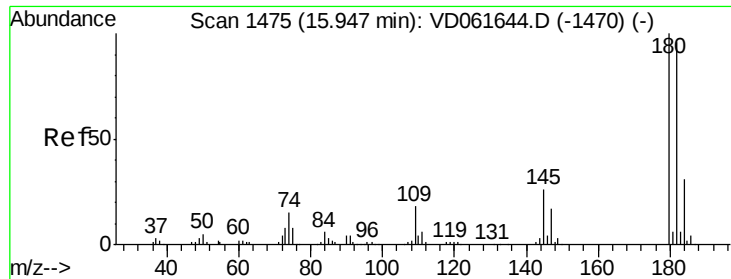
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.800 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Tgt Ion: 75 Resp: 37173
 Ion Ratio Lower Upper
 75 100
 155 96.1 45.6 136.7
 157 127.1 61.4 184.2



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

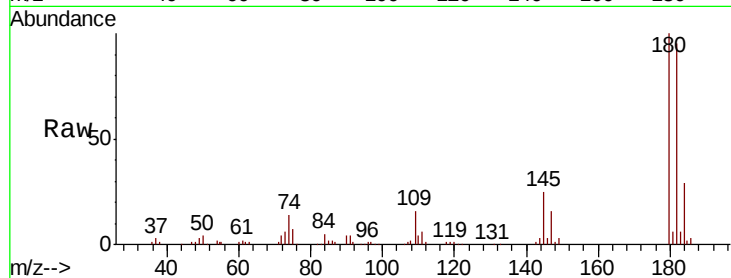




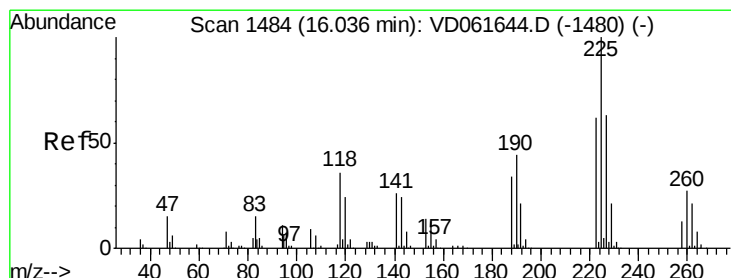
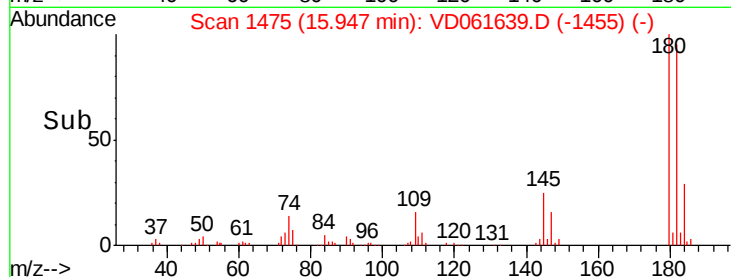
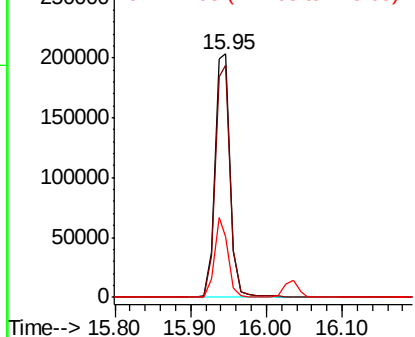
#93
 1,2,4-Trichlorobenzene
 Concen: 51.146 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:180 Resp: 292393
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.8 143.3
 145 25.0 13.3 39.8

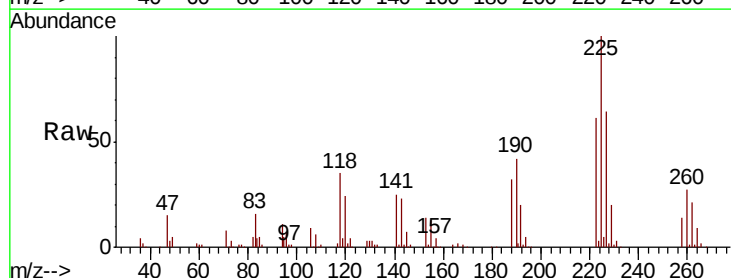


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

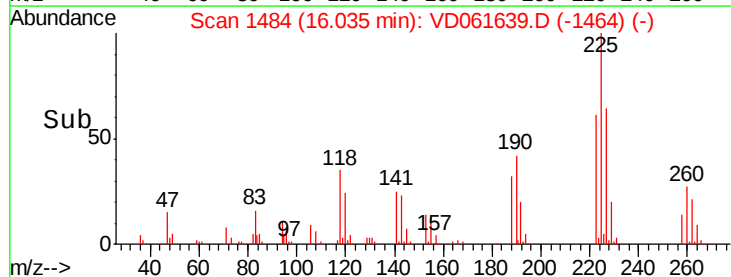
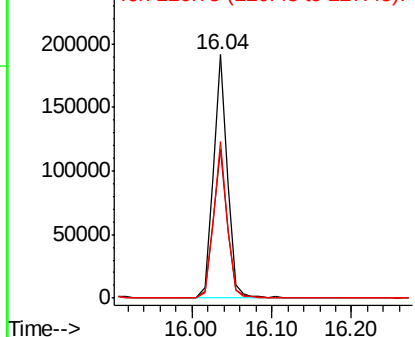


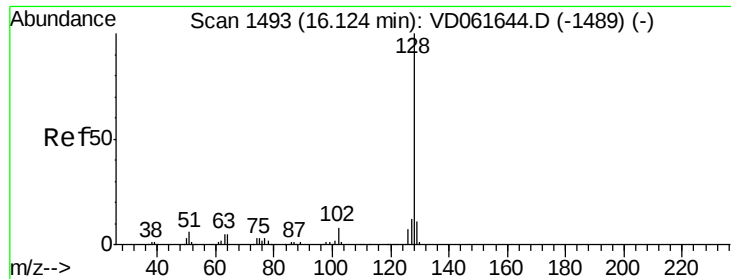
#94
 Hexachlorobutadiene
 Concen: 54.025 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061639.D
 Acq: 6 Apr 2019 13:02

Tgt Ion:225 Resp: 237653
 Ion Ratio Lower Upper
 225 100
 223 61.2 30.8 92.3
 227 64.3 31.5 94.5



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

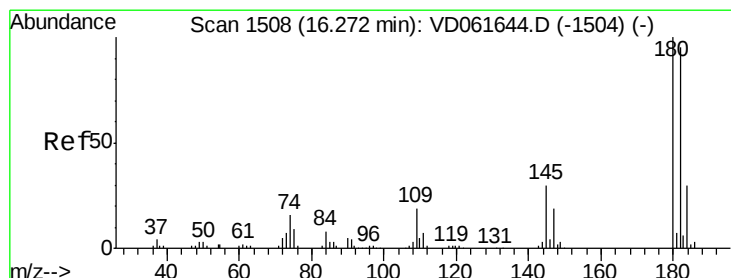
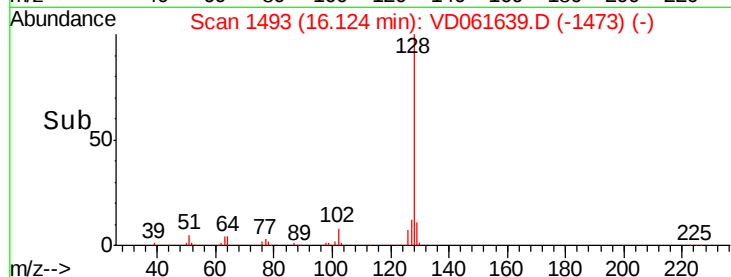
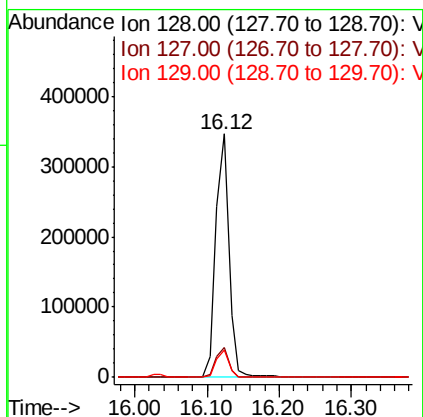
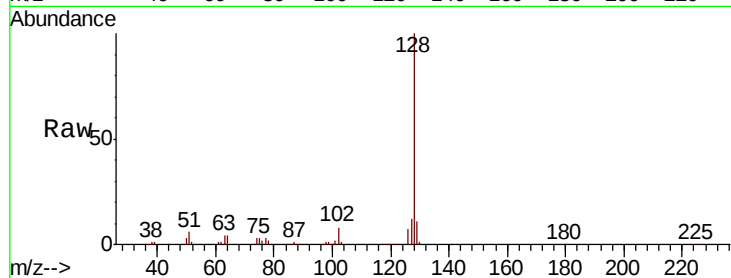




#95
Naphthalene
Concen: 48.202 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 434587
Ion Ratio Lower Upper
128 100
127 12.0 9.4 14.2
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 48.435 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061639.D
Acq: 6 Apr 2019 13:02

Tgt Ion:180 Resp: 137100
Ion Ratio Lower Upper
180 100
182 100.8 47.3 142.0
145 28.9 15.1 45.3

