

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
 Data File : VD061708.D
 Acq On : 10 Apr 2019 12:38
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 11 01:03:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	765065	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1174332	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.39	117	989497	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	438863	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	273973	47.24	ug/l	0.02
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	6.95	113	412323	50.68	ug/l	0.03
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.44	98	913665	44.70	ug/l	0.03
Spiked Amount	50.000		Recovery	=	89.40%	
62) 4-Bromofluorobenzene	13.57	95	365551	51.12	ug/l	0.01
Spiked Amount	50.000		Recovery	=	102.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	404490	49.007	ug/l	96
3) Chloromethane	1.77	50	290978	43.626	ug/l	96
4) Vinyl Chloride	1.86	62	293967	47.166	ug/l	100
5) Bromomethane	2.17	94	63520	44.032	ug/l	93
6) Chloroethane	2.29	64	102917	52.721	ug/l	99
7) Trichlorofluoromethane	2.55	101	479649	50.970	ug/l	98
8) Diethyl Ether	2.90	74	126102	47.748	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.17	101	457449	49.445	ug/l	98
10) Methyl Iodide	3.33	142	663297	48.217	ug/l	99
11) Tert butyl alcohol	4.08	59	93774	241.280	ug/l	96
12) 1,1-Dichloroethene	3.15	96	384977	48.269	ug/l	95
13) Acrolein	3.05	56	136502	288.070	ug/l	95
14) Allyl chloride	3.65	41	528946	48.625	ug/l	99
15) Acrylonitrile	4.22	53	278339	208.046	ug/l	97
16) Acetone	3.24	43	454278	262.049	ug/l	98
17) Carbon Disulfide	3.40	76	1135491	43.815	ug/l	99
18) Methyl Acetate	3.66	43	146709	44.981	ug/l	94
19) Methyl tert-butyl Ether	4.27	73	595120	43.094	ug/l	98
20) Methylene Chloride	3.84	84	442536	44.986	ug/l	99
21) trans-1,2-Dichloroethene	4.25	96	370034	42.717	ug/l	98
22) Diisopropyl ether	5.15	45	1091741	47.868	ug/l	98
23) Vinyl Acetate	5.09	43	3031831	240.916	ug/l	100
24) 1,1-Dichloroethane	5.02	63	686505	49.120	ug/l	99
25) 2-Butanone	6.10	43	471144	235.749	ug/l	96
26) 2,2-Dichloropropane	6.06	77	561841	49.370	ug/l	97
27) cis-1,2-Dichloroethene	6.07	96	431237	46.664	ug/l	95
28) Bromochloromethane	6.47	49	250177	48.525	ug/l	100
29) Tetrahydrofuran	6.48	42	210871	218.577	ug/l	99
30) Chloroform	6.70	83	722674	49.359	ug/l	98
31) Cyclohexane	6.98	56	482179	44.162	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	619563	48.289	ug/l	98
36) 1,1-Dichloropropene	7.18	75	527956	51.370	ug/l	98
37) Ethyl Acetate	6.20	43	208021	49.692	ug/l	97
38) Carbon Tetrachloride	7.14	117	708118	58.788	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	532623	50.478	ug/l	97
40) Benzene	7.48	78	1274220	51.392	ug/l	99
41) Methacrylonitrile	6.47	41	239316	48.972	ug/l	99
42) 1,2-Dichloroethane	7.60	62	411429	52.763	ug/l	98
43) Isopropyl Acetate	9.26	43	315688	51.962	ug/l	99
44) Trichloroethene	8.57	130	494355	52.008	ug/l	98
45) 1,2-Dichloropropane	8.96	63	312363	50.800	ug/l	97
46) Dibromomethane	9.09	93	229024	52.115	ug/l	95
47) Bromodichloromethane	9.39	83	502134	52.025	ug/l	99
48) Methyl methacrylate	9.14	41	178852	51.070	ug/l	94
49) 1,4-Dioxane	9.11	88	43462	1124.341	ug/l #	87
51) 4-Methyl-2-Pentanone	10.32	43	989348	275.357	ug/l	98
52) Toluene	10.53	92	741192	47.872	ug/l	98
53) t-1,3-Dichloropropene	10.93	75	450809	53.284	ug/l	97
54) cis-1,3-Dichloropropene	10.06	75	556928	53.399	ug/l	94
55) 1,1,2-Trichloroethane	11.22	97	258163	49.439	ug/l	96
56) Ethyl methacrylate	11.06	69	282806	51.338	ug/l	99
57) 1,3-Dichloropropane	11.42	76	408820	53.460	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.88	63	630158	242.438	ug/l	100
59) 2-Hexanone	11.55	43	745080	267.204	ug/l	94
60) Dibromochloromethane	11.71	129	432824	52.463	ug/l	98
61) 1,2-Dibromoethane	11.83	107	331260	54.244	ug/l	96
64) Tetrachloroethene	11.27	164	376548	49.024	ug/l	98
65) Chlorobenzene	12.42	112	897439	45.734	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	373739	49.496	ug/l	98
67) Ethyl Benzene	12.53	91	1351512	45.229	ug/l	98
68) m/p-Xylenes	12.68	106	1138917	98.864	ug/l	95
69) o-Xylene	13.07	106	532557	47.890	ug/l	94
70) Styrene	13.09	104	885955	46.651	ug/l	99
71) Bromoform	13.24	173	243428	51.958	ug/l	99
73) Isopropylbenzene	13.42	105	1464407	50.079	ug/l	97
74) N-amyl acetate	13.27	43	386561	48.654	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	311423	51.506	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	294287	49.288	ug/l	98
77) Bromobenzene	13.69	156	450973	53.131	ug/l	81
78) n-propylbenzene	13.78	91	1674574	47.873	ug/l	98
79) 2-Chlorotoluene	13.85	91	940348	47.010	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1178031	50.756	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	97950	54.061	ug/l	96
82) 4-Chlorotoluene	13.96	91	1139115	51.969	ug/l	99
83) tert-Butylbenzene	14.20	119	1381023	49.351	ug/l	100
84) 1,2,4-Trimethylbenzene	14.25	105	1097625	46.858	ug/l	100
85) sec-Butylbenzene	14.38	105	1532184	50.677	ug/l	99
86) p-Isopropyltoluene	14.50	119	1307856	49.864	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	783974	53.669	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	721970	48.984	ug/l	98
89) n-Butylbenzene	14.81	91	1142156	50.100	ug/l	99
90) Hexachloroethane	15.02	117	384764	54.064	ug/l	98
91) 1,2-Dichlorobenzene	14.82	146	569266	47.284	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	37778	51.777	ug/l	96

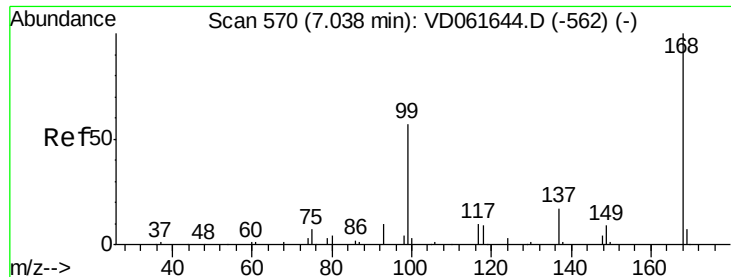
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	299052	48.756	ug/l	96
94) Hexachlorobutadiene	16.05	225	235183	49.657	ug/l	99
95) Naphthalene	16.14	128	457992	47.190	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	142163	46.440	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

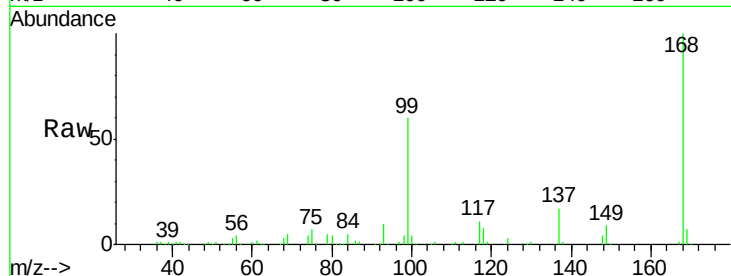
ClientSampleId :

Tot Ion:168 Resp: 765065

Ion Ratio Lower Upper

168 100

99 59.8 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

150000

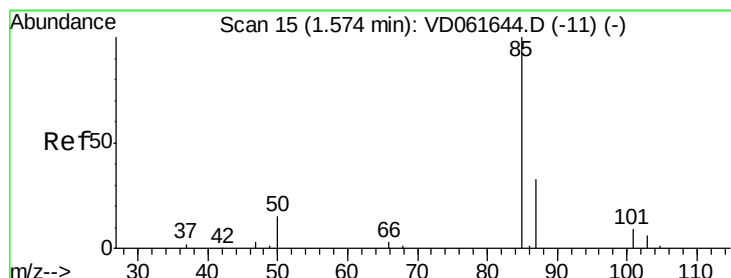
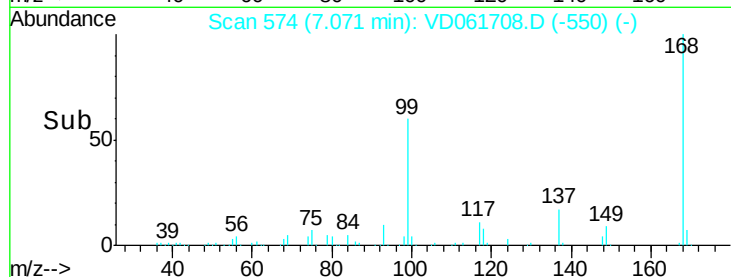
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 49.007 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061708.D

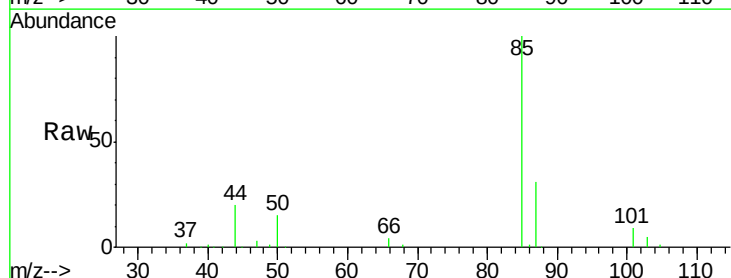
Acq: 10 Apr 2019 12:38

Tgt Ion: 85 Resp: 404490

Ion Ratio Lower Upper

85 100

87 31.0 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

150000

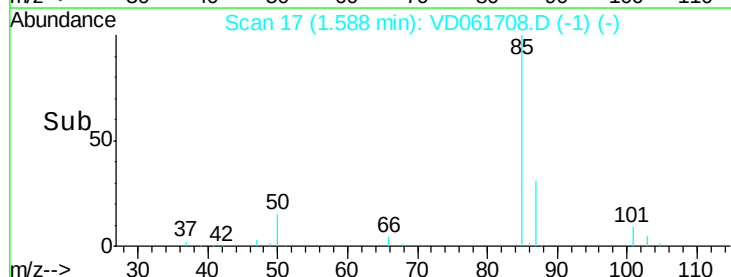
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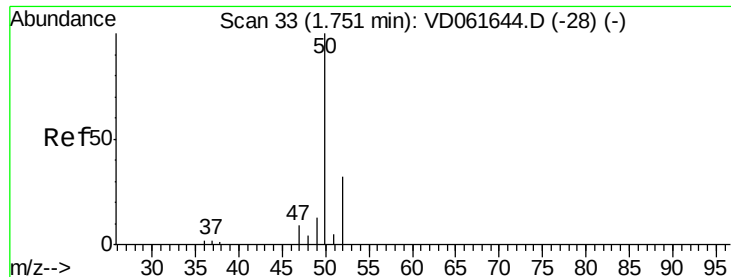
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 43.626 ug/l

RT: 1.77 min Scan# 36

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

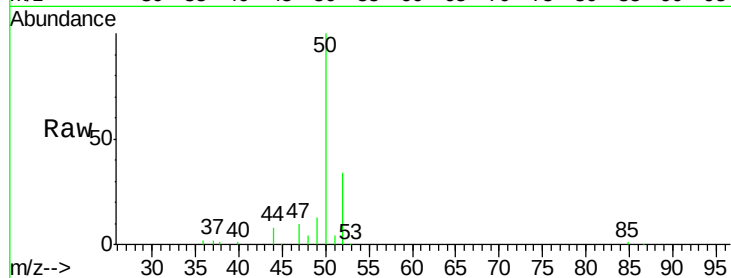
ClientSampleId :

Tot Ion: 50 Resp: 290978

Ion Ratio Lower Upper

50 100

52 33.5 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.77

100000

80000

60000

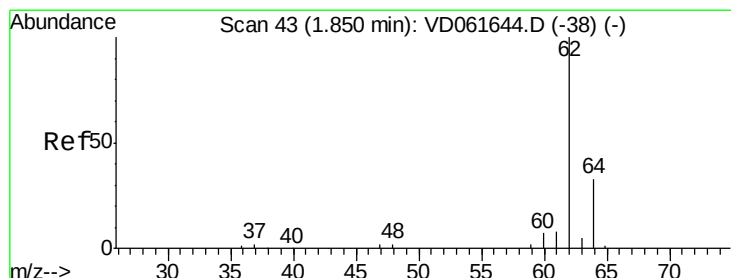
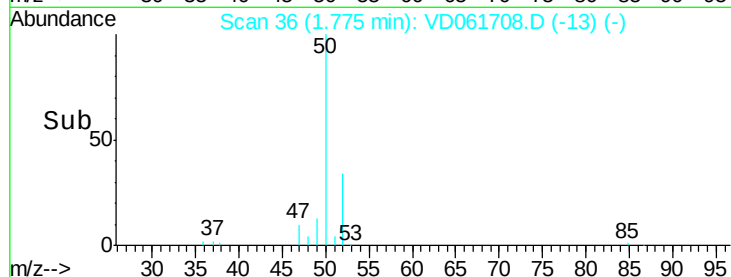
40000

20000

0

1.70 1.80 1.90

Time-->



#4

Vinyl Chloride

Concen: 47.166 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061708.D

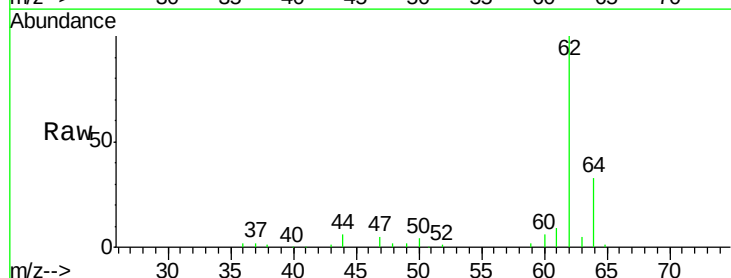
Acq: 10 Apr 2019 12:38

Tgt Ion: 62 Resp: 293967

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

150000

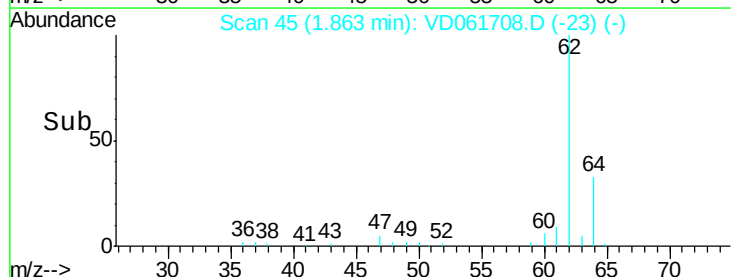
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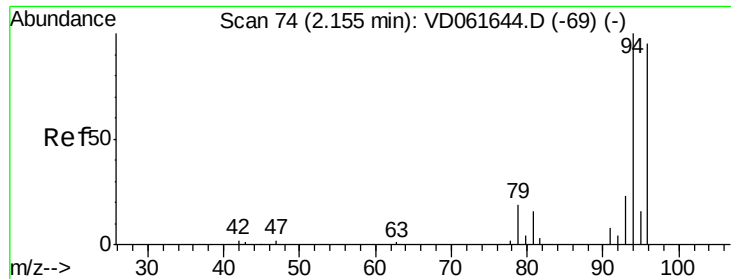
50000

0

1.80 1.90 2.00

Time-->

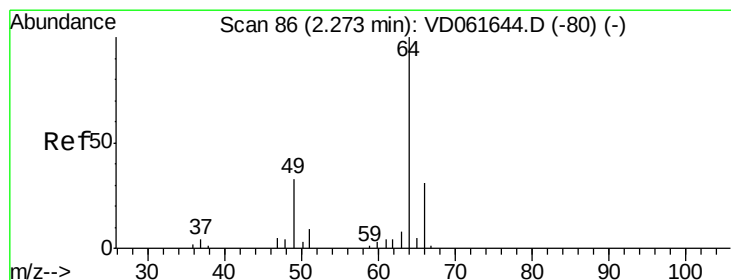
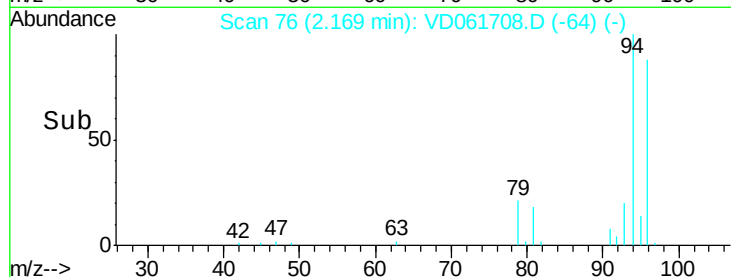
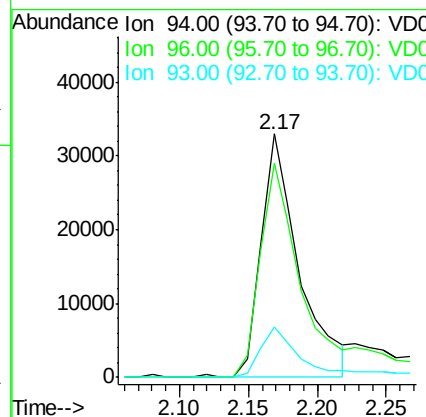
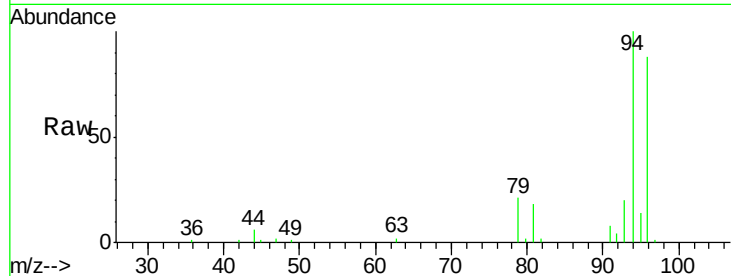




#5
Bromomethane
Concen: 44.032 ug/l
RT: 2.17 min Scan# 76
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

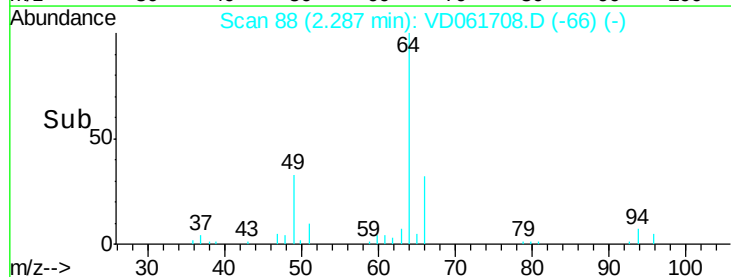
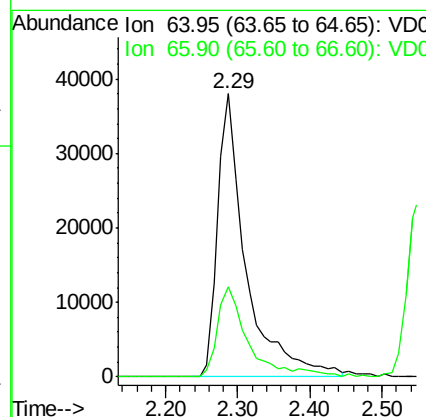
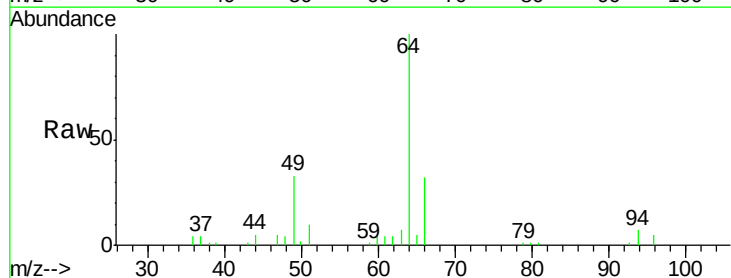
Instrument :
MSVOA_D
ClientSampleId :

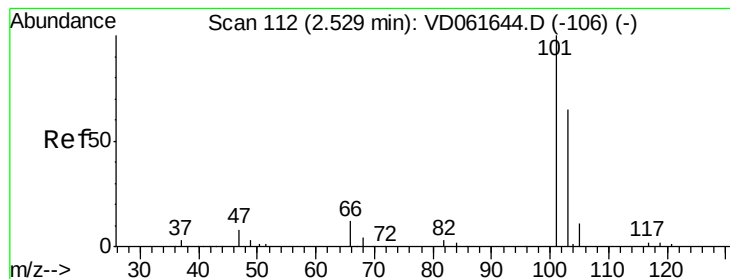
Tot Ion: 94 Resp: 63520
Ion Ratio Lower Upper
94 100
96 88.1 75.8 113.8
93 20.5 18.6 28.0



#6
Chloroethane
Concen: 52.721 ug/l
RT: 2.29 min Scan# 88
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 64 Resp: 102917
Ion Ratio Lower Upper
64 100
66 31.8 24.9 37.3



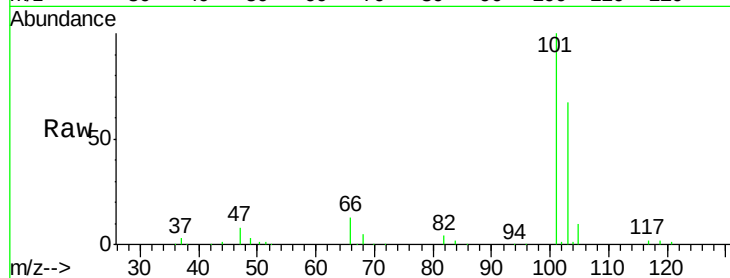


#7

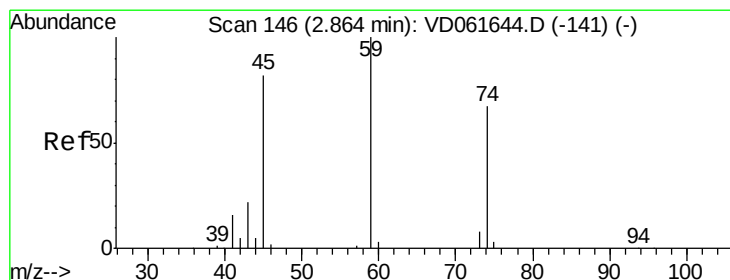
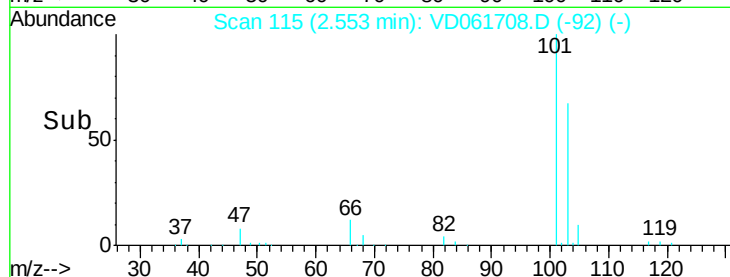
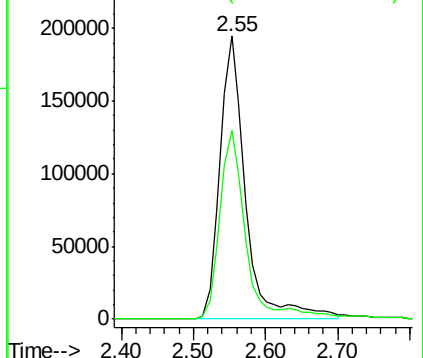
Trichlorofluoromethane
Concen: 50.970 ug/l
RT: 2.55 min Scan# 115
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 479649
Ion Ratio Lower Upper
101 100
103 66.7 52.0 78.0



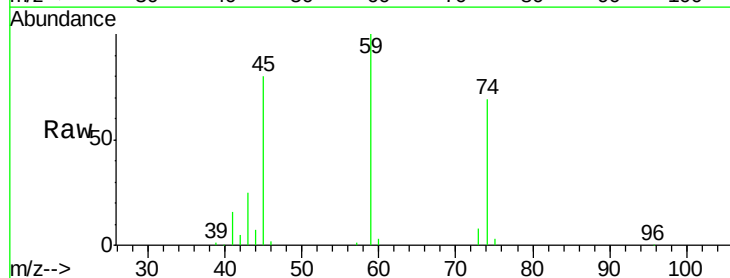
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



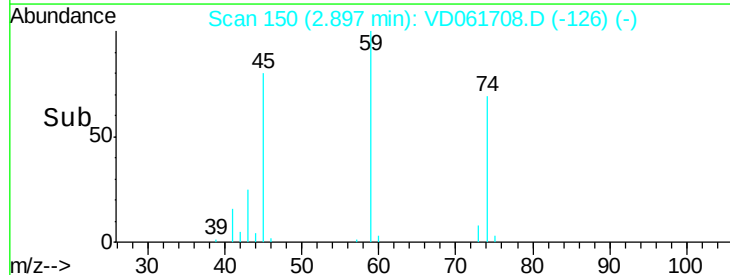
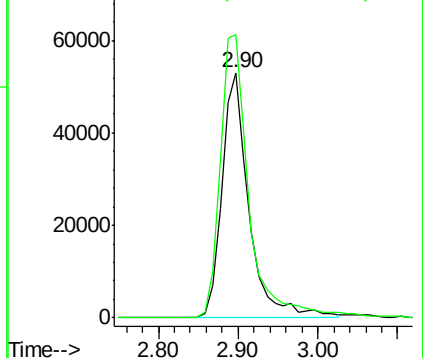
#8

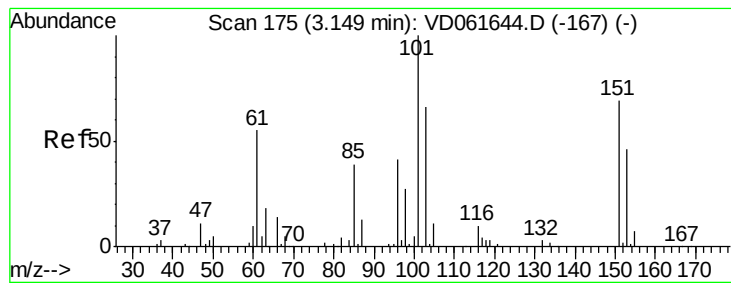
Diethyl Ether
Concen: 47.748 ug/l
RT: 2.90 min Scan# 150
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 74 Resp: 126102
Ion Ratio Lower Upper
74 100
45 115.4 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: 49.445 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

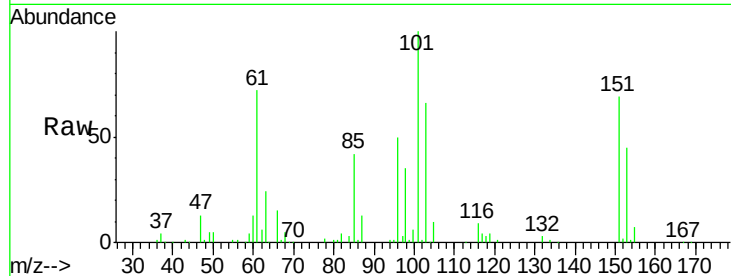
Tot Ion:101 Resp: 457449

Ion Ratio Lower Upper

101 100

85 42.4 31.0 46.6

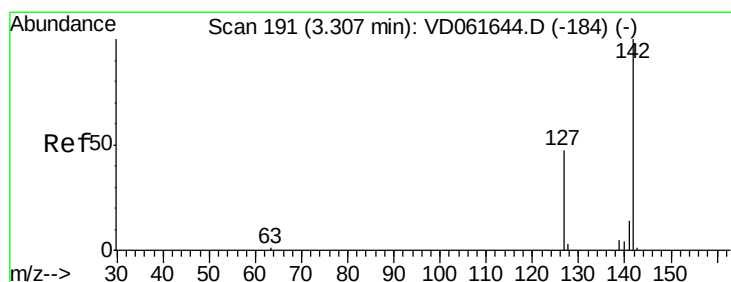
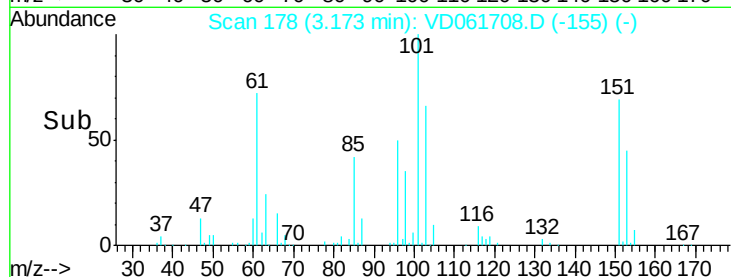
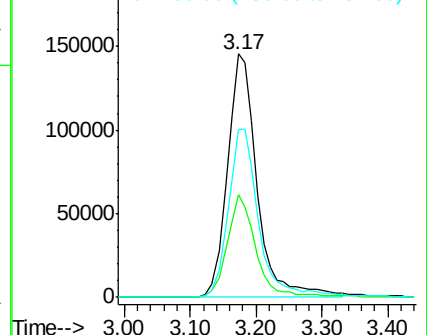
151 69.2 55.3 82.9



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: 48.217 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

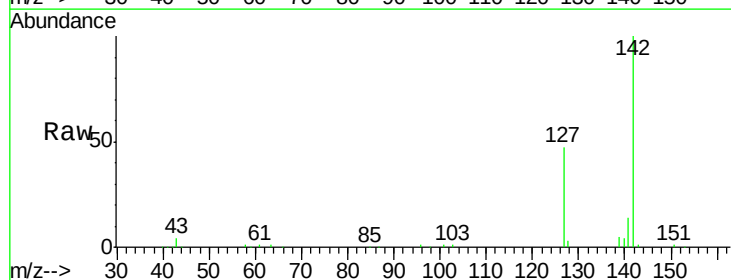
Tgt Ion:142 Resp: 663297

Ion Ratio Lower Upper

142 100

127 46.8 37.2 55.8

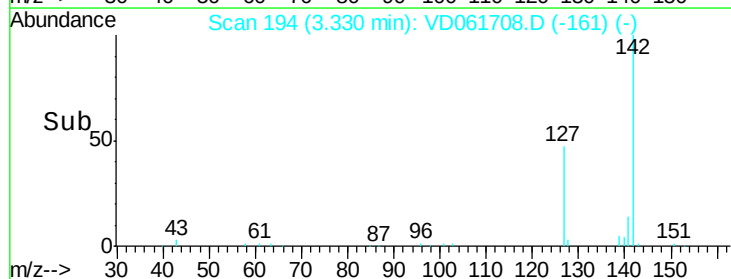
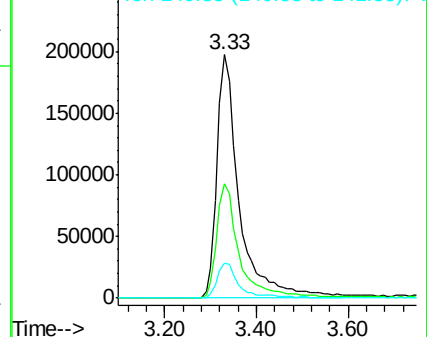
141 14.3 10.8 16.2

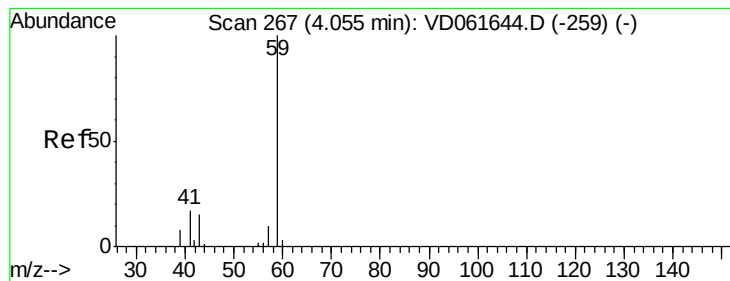


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



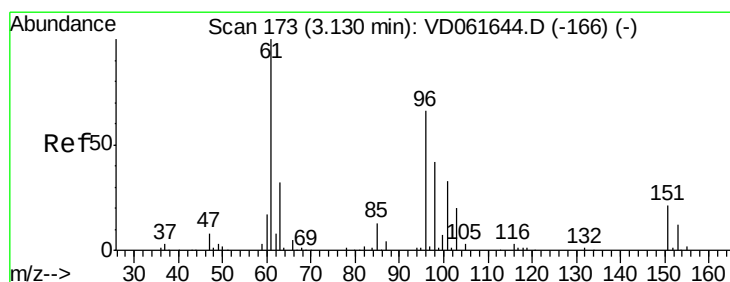
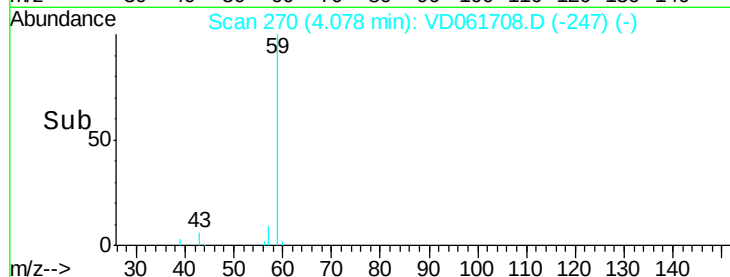
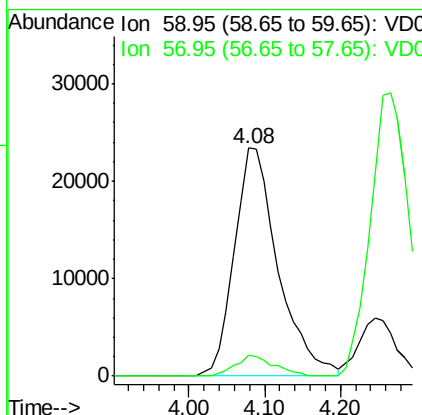
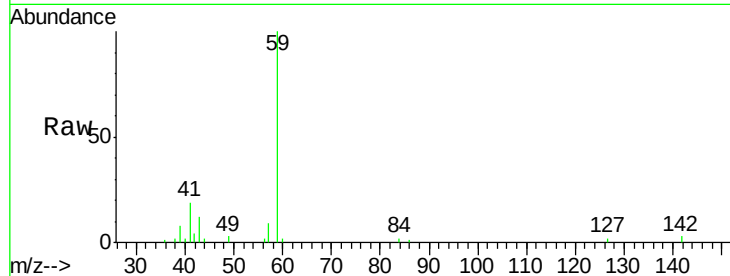


#11

Tert butyl alcohol
Concen: 241.280 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :

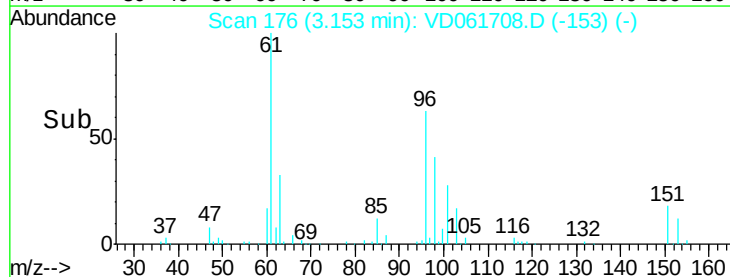
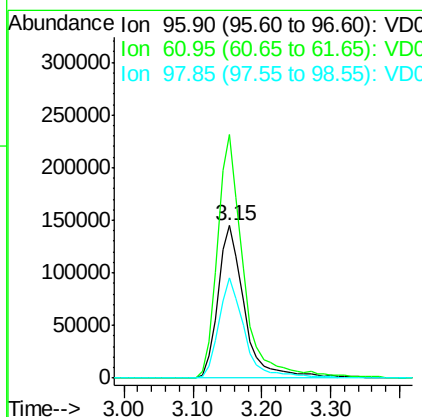
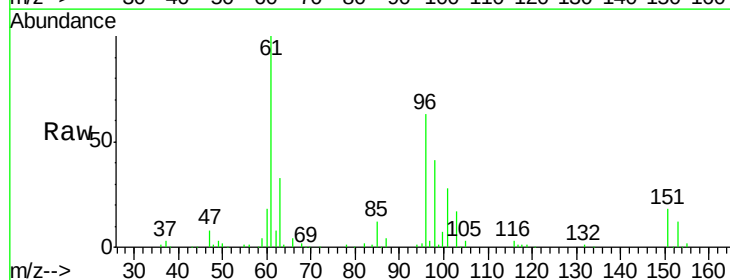
Tot Ion: 59 Resp: 93774
Ion Ratio Lower Upper
59 100
57 9.1 8.4 12.6

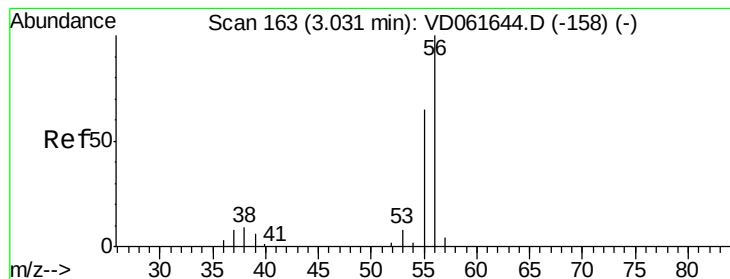


#12

1,1-Dichloroethene
Concen: 48.269 ug/l
RT: 3.15 min Scan# 176
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 96 Resp: 384977
Ion Ratio Lower Upper
96 100
61 159.6 121.3 181.9
98 65.9 50.6 76.0





#13

Acrolein

Concen: 288.070 ug/l

RT: 3.05 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

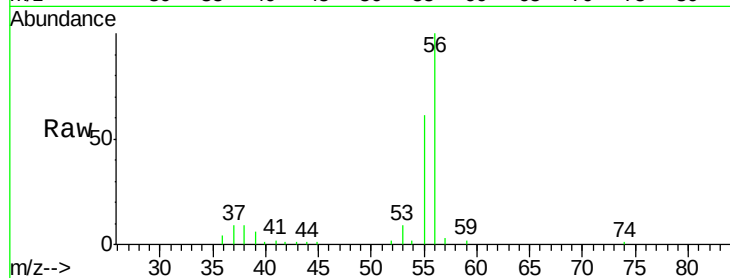
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 136502

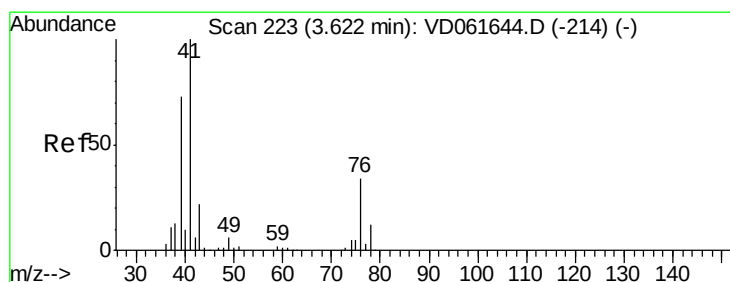
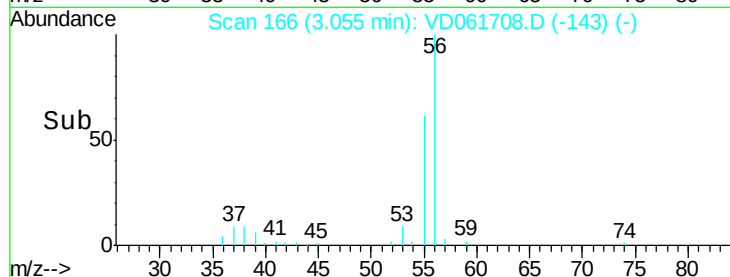
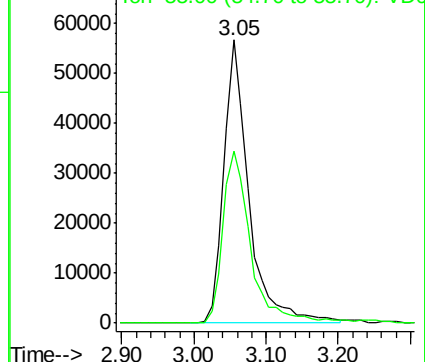
Ion Ratio Lower Upper

56 100

55 60.8 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: 48.625 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

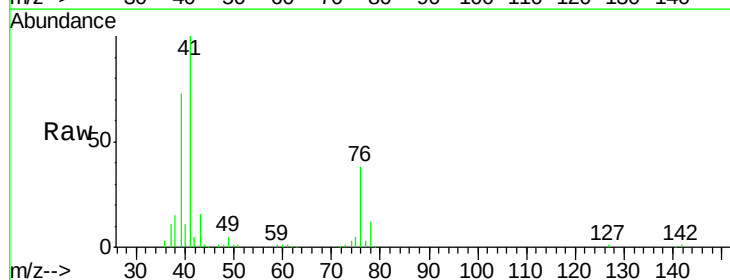
Tgt Ion: 41 Resp: 528946

Ion Ratio Lower Upper

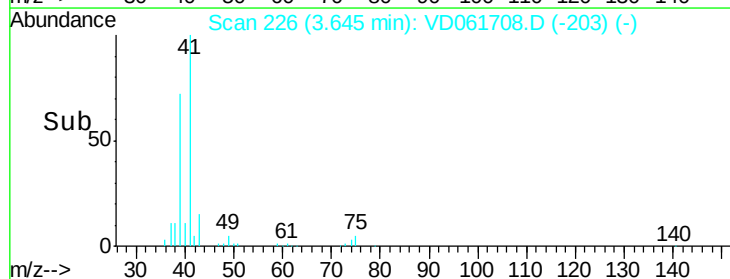
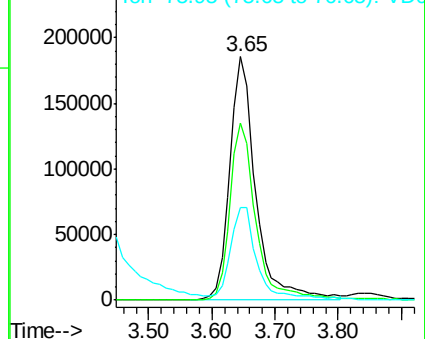
41 100

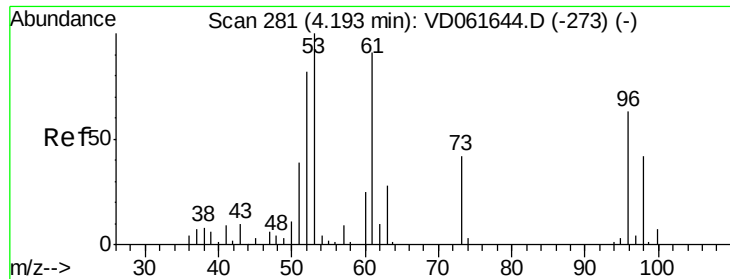
39 72.5 58.2 87.4

76 38.3 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: 208.046 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :

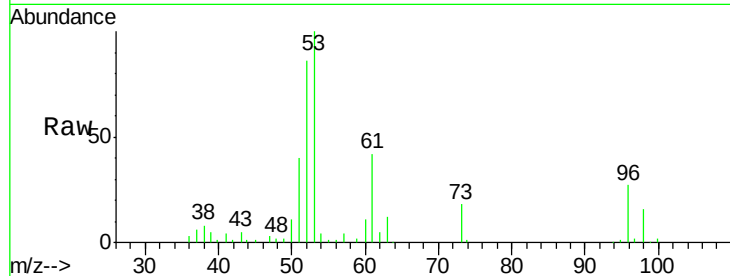
Tot Ion: 53 Resp: 278339

Ion Ratio Lower Upper

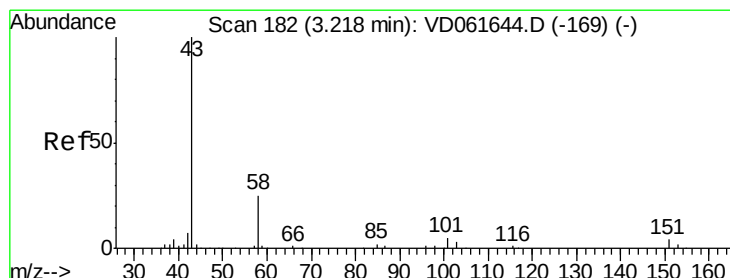
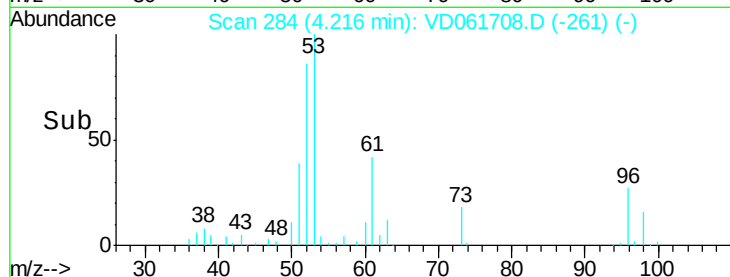
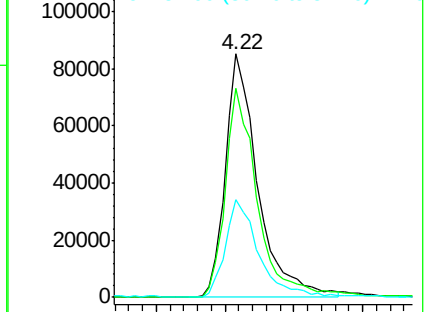
53 100

52 85.8 65.9 98.9

51 40.0 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: 262.049 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD061708.D

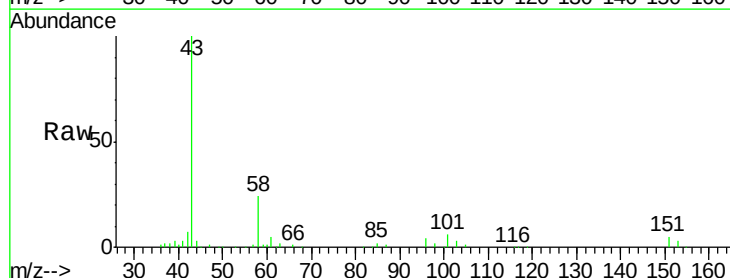
Acq: 10 Apr 2019 12:38

Tgt Ion: 43 Resp: 454278

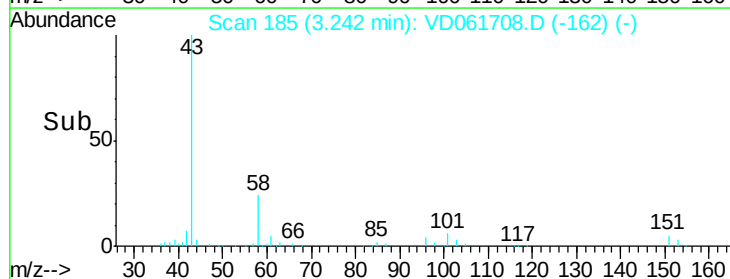
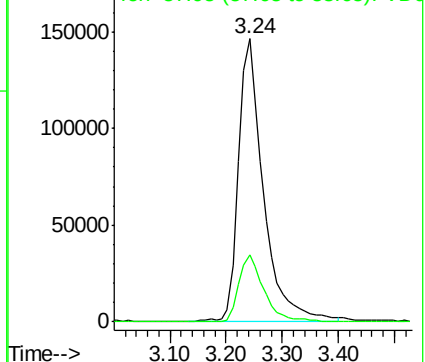
Ion Ratio Lower Upper

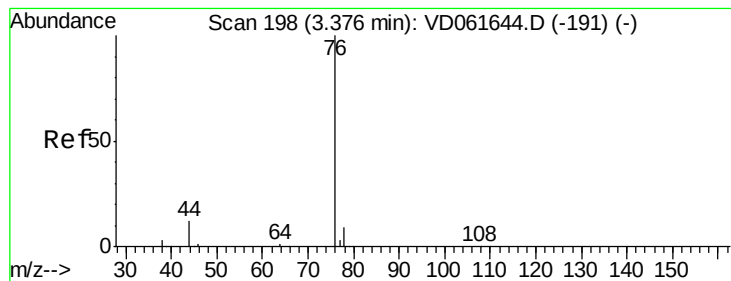
43 100

58 23.8 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: 43.815 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

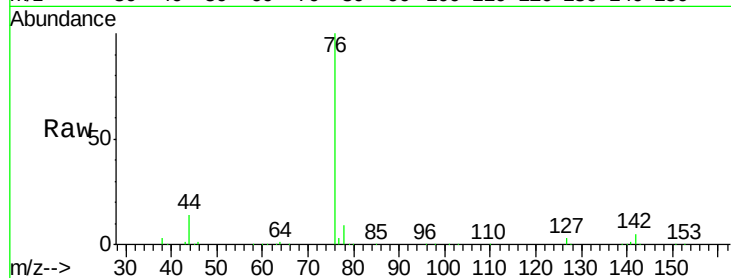
ClientSampleId :

Tot Ion: 76 Resp: 1135491

Ion Ratio Lower Upper

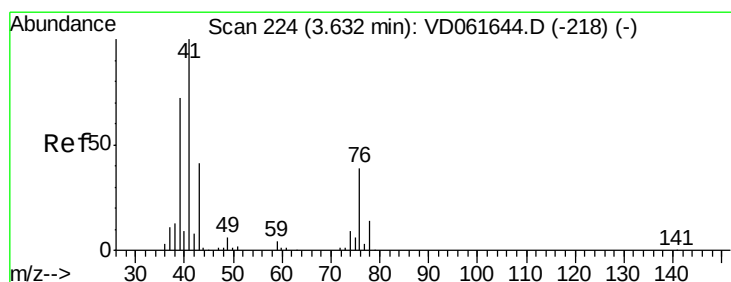
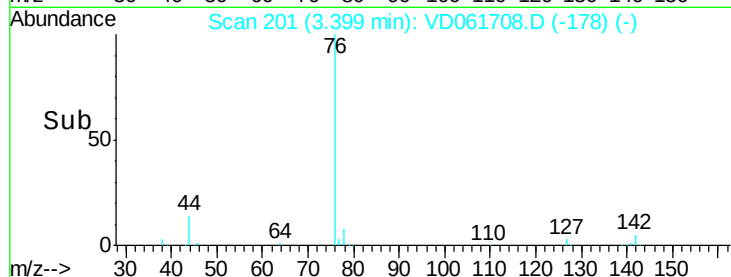
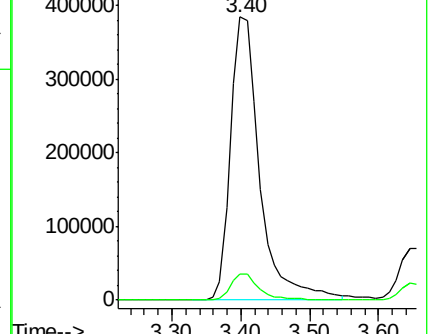
76 100

78 9.0 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: 44.981 ug/l

RT: 3.66 min Scan# 228

Delta R.T. 0.03 min

Lab File: VD061708.D

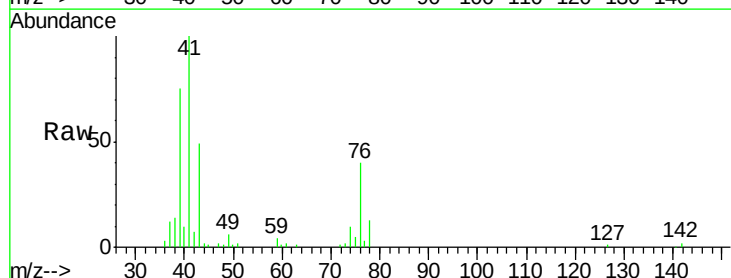
Acq: 10 Apr 2019 12:38

Tgt Ion: 43 Resp: 146709

Ion Ratio Lower Upper

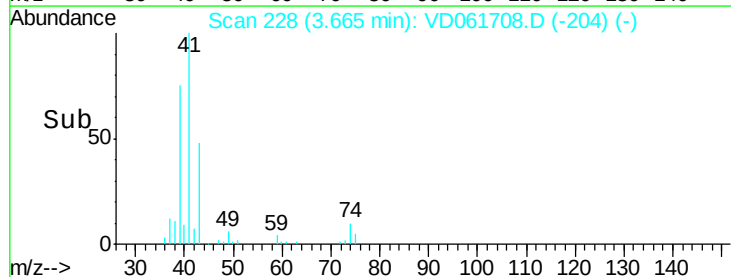
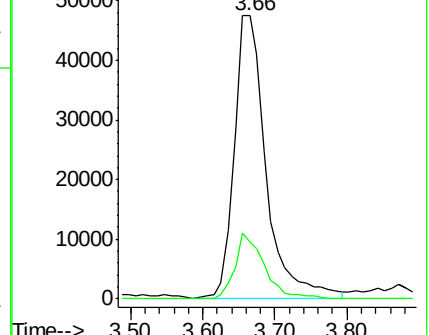
43 100

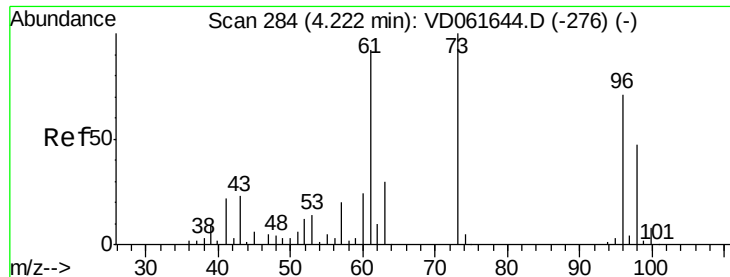
74 19.9 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

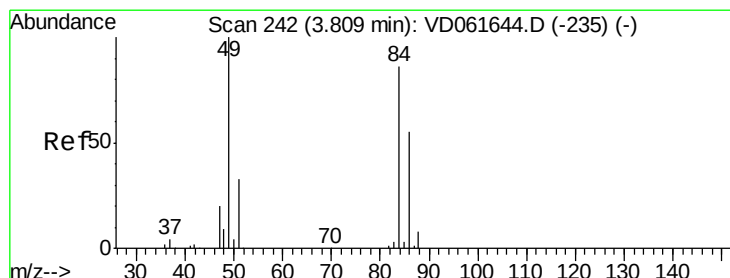
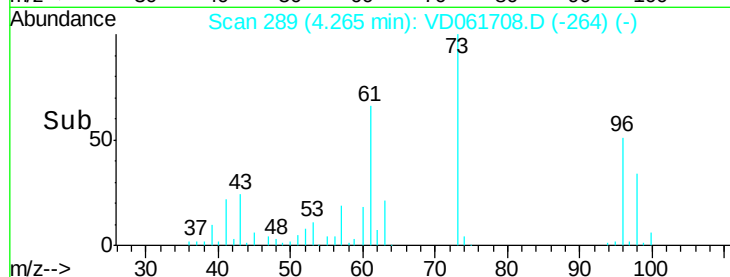
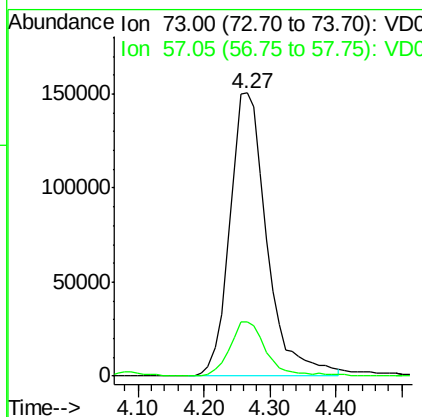
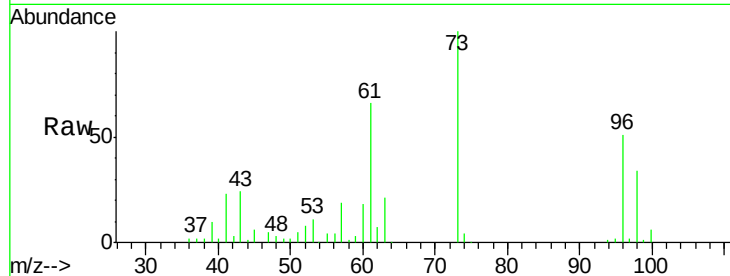




#19
Methyl tert-butyl Ether
Concen: 43.094 ug/l
RT: 4.27 min Scan# 289
Delta R.T. 0.04 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

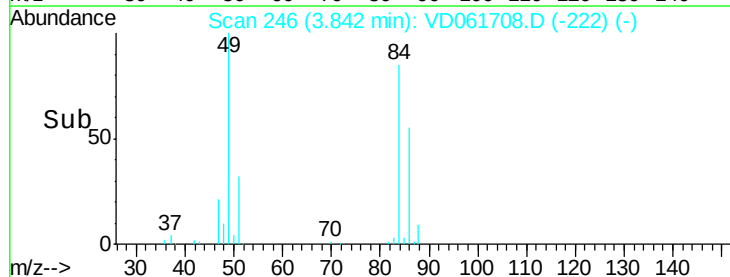
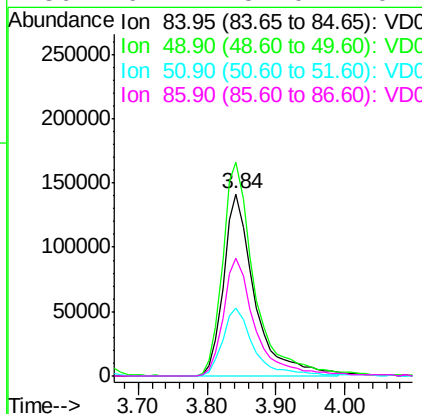
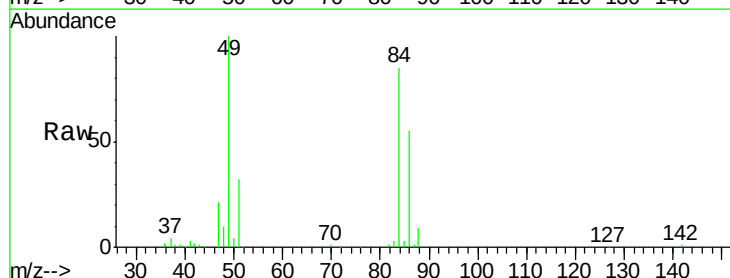
Instrument :
MSVOA_D
ClientSampled :

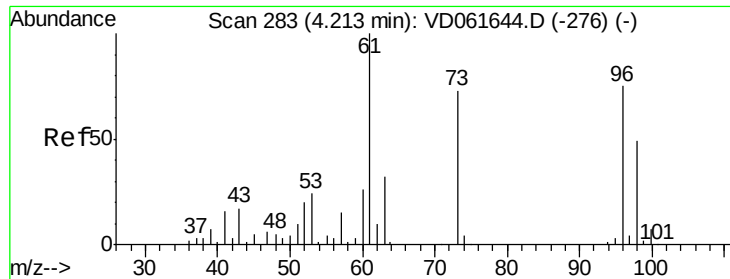
Tot Ion: 73 Resp: 595120
Ion Ratio Lower Upper
73 100
57 19.3 16.0 24.0



#20
Methylene Chloride
Concen: 44.986 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 84 Resp: 442536
Ion Ratio Lower Upper
84 100
49 117.2 93.0 139.4
51 37.2 30.4 45.6
86 64.7 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 42.717 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

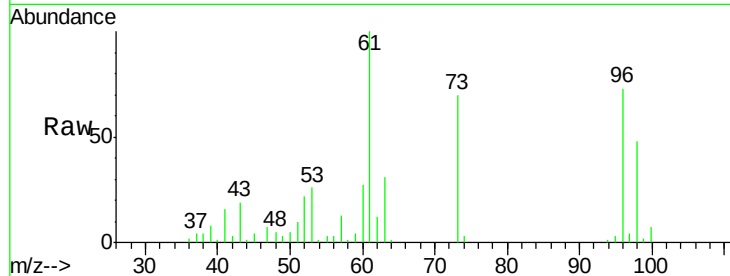
Tot Ion: 96 Resp: 370034

Ion Ratio Lower Upper

96 100

61 136.4 106.8 160.2

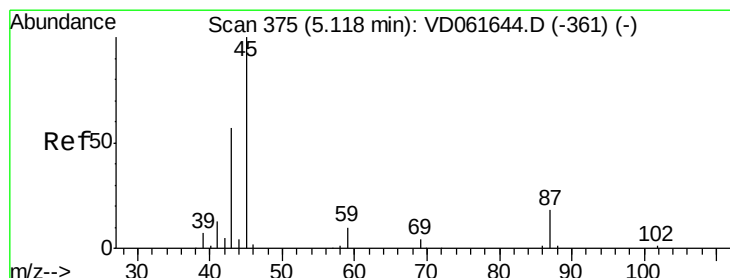
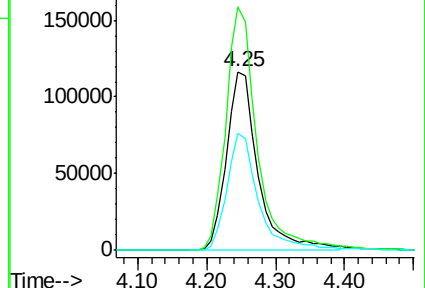
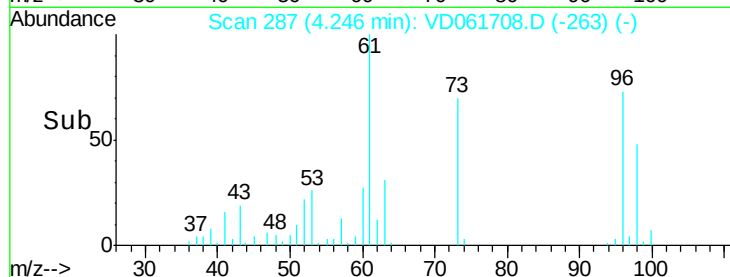
98 65.3 52.2 78.2



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: 47.868 ug/l

RT: 5.15 min Scan# 379

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Tgt Ion: 45 Resp: 1091741

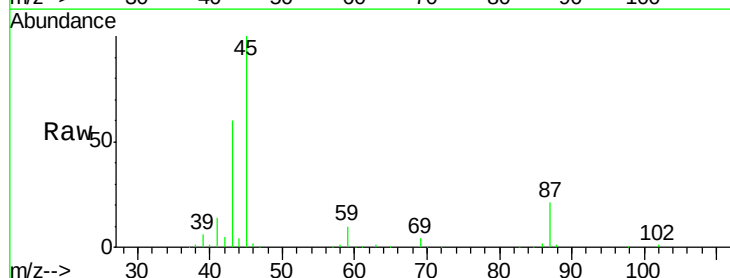
Ion Ratio Lower Upper

45 100

43 59.6 46.6 70.0

87 20.6 15.6 23.4

59 10.0 8.6 13.0

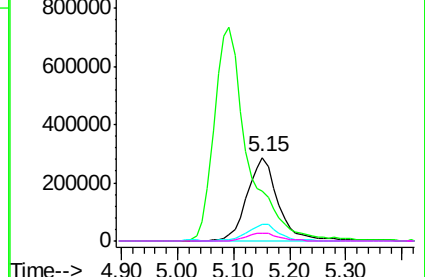
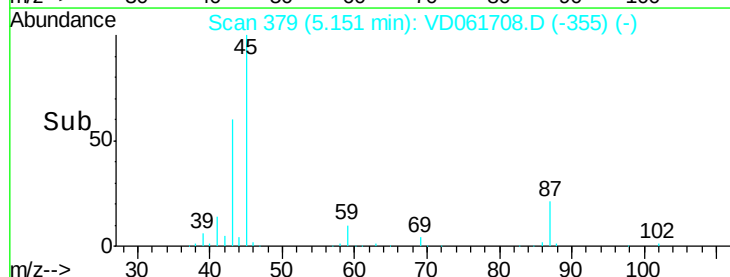


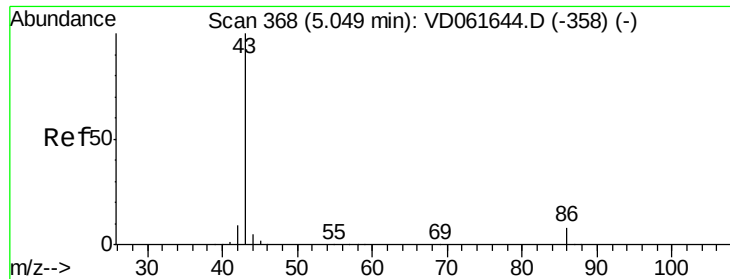
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 240.916 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.04 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

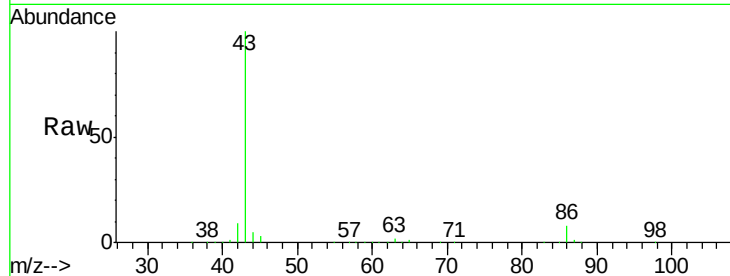
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3031831

Ion Ratio Lower Upper

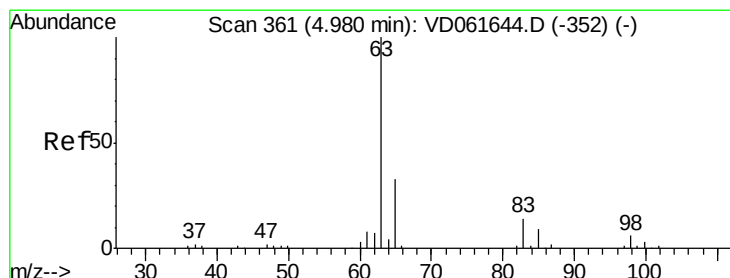
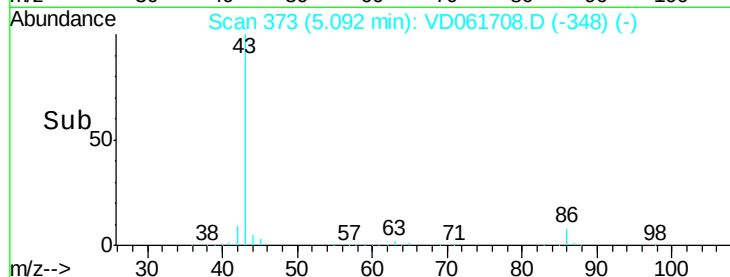
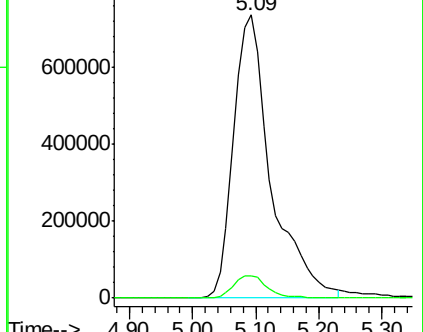
43 100

86 8.0 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: 49.120 ug/l

RT: 5.02 min Scan# 366

Delta R.T. 0.04 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

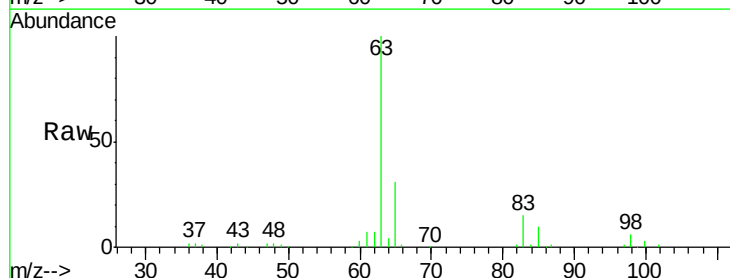
Tgt Ion: 63 Resp: 686505

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

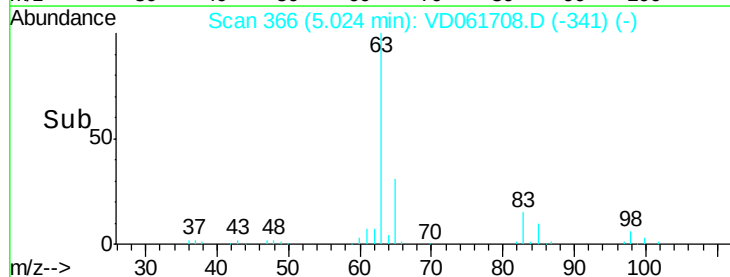
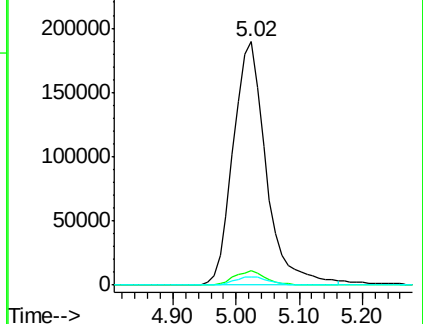
100 3.3 1.7 5.1

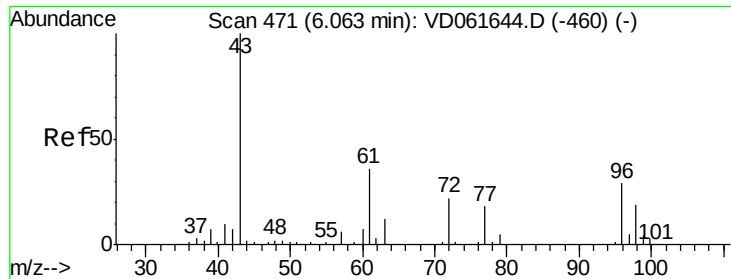


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 235.749 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

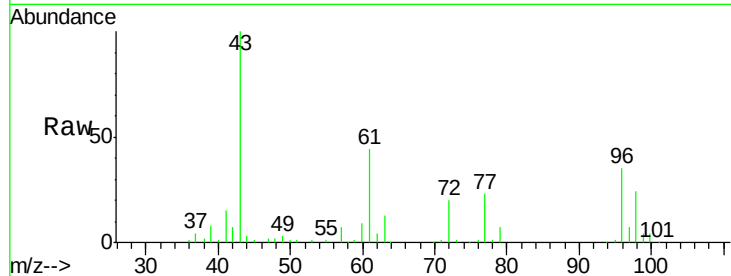
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 471144

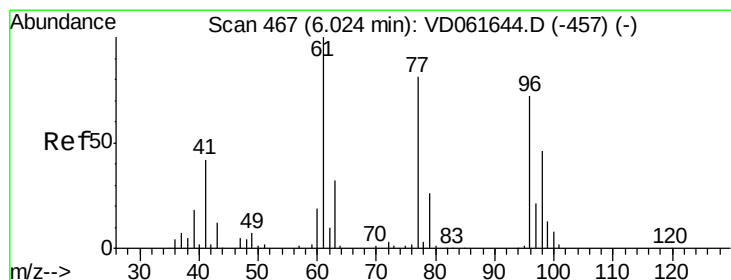
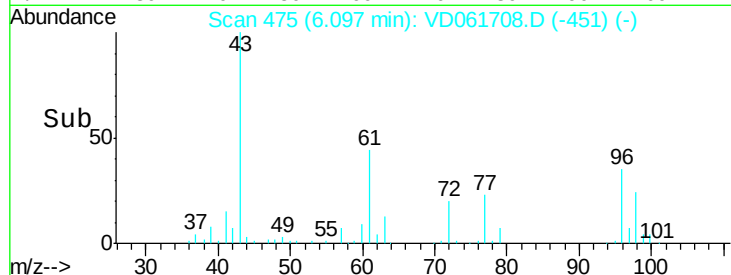
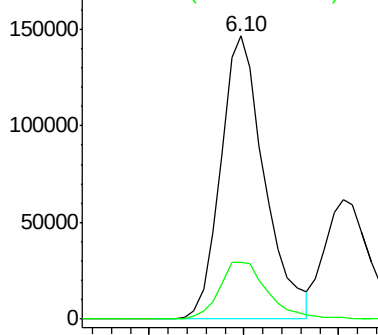
Ion Ratio Lower Upper

43 100

72 19.9 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: 49.370 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.03 min

Lab File: VD061708.D

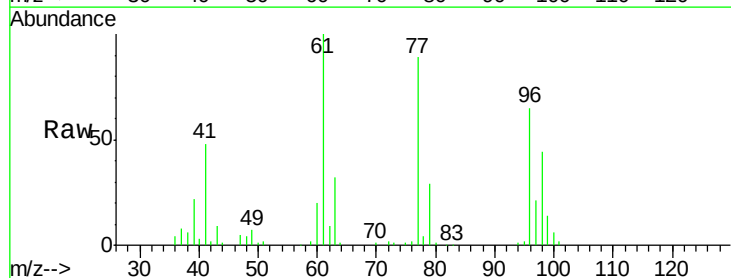
Acq: 10 Apr 2019 12:38

Tgt Ion: 77 Resp: 561841

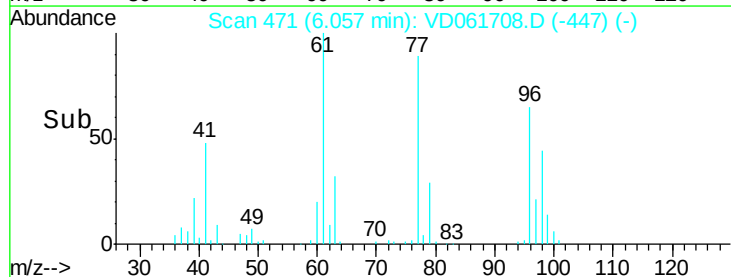
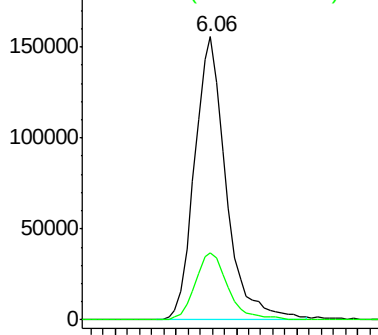
Ion Ratio Lower Upper

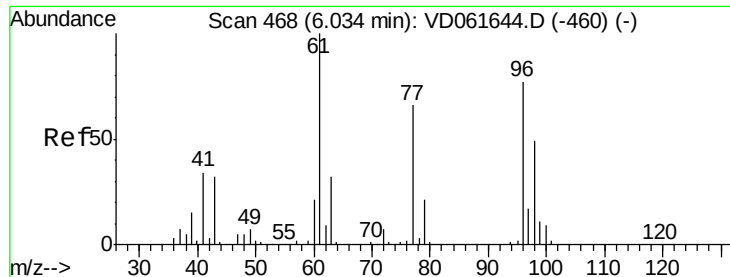
77 100

97 23.5 12.7 38.0



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

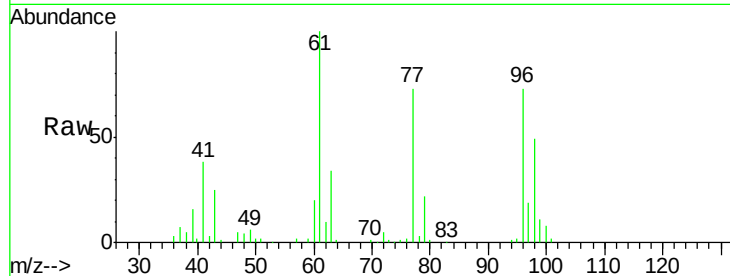




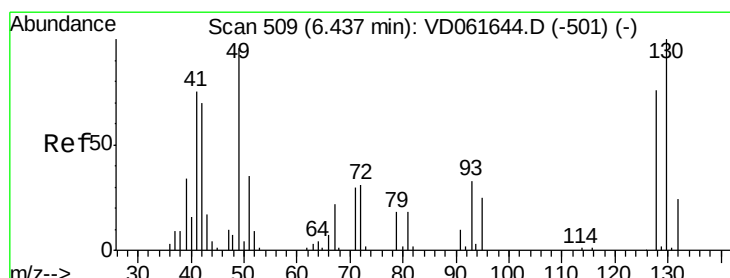
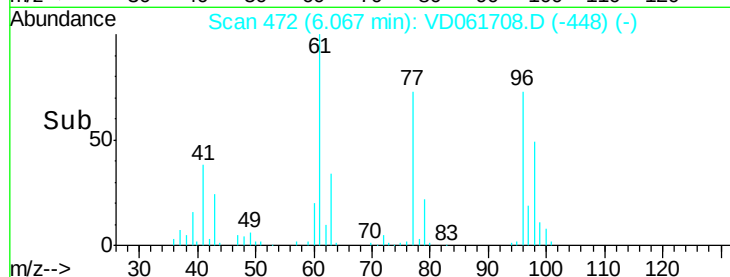
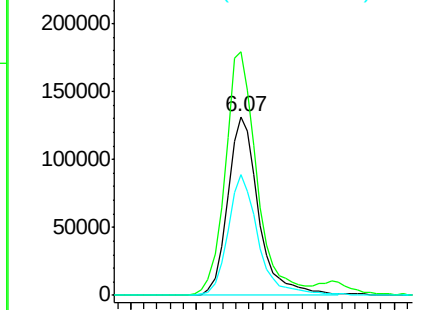
#27
 cis-1,2-Dichloroethene
 Concen: 46.664 ug/l
 RT: 6.07 min Scan# 472
 Delta R.T. 0.03 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 96 Resp: 431237
 Ion Ratio Lower Upper
 96 100
 61 136.1 0.0 259.8
 98 67.2 0.0 127.6

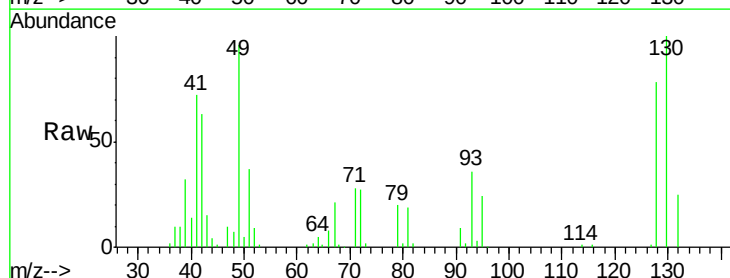


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

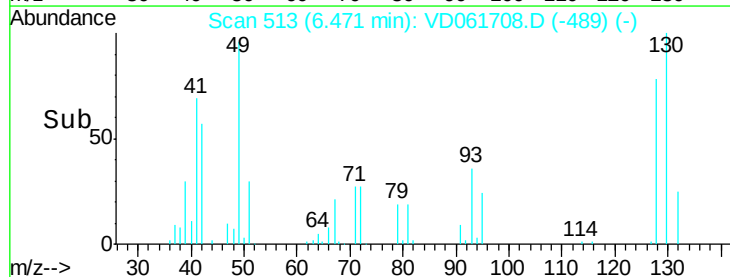
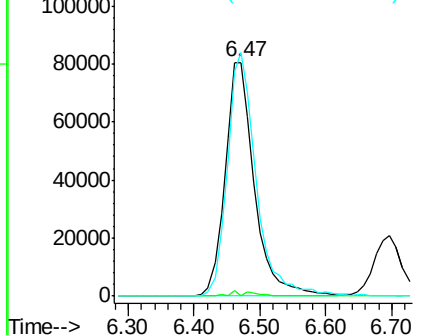


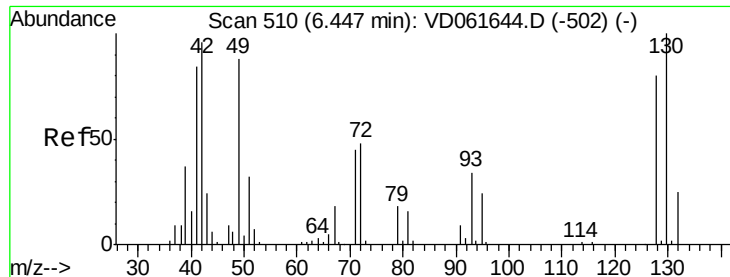
#28
 Bromochloromethane
 Concen: 48.525 ug/l
 RT: 6.47 min Scan# 513
 Delta R.T. 0.03 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion: 49 Resp: 250177
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 104.2 83.3 124.9



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

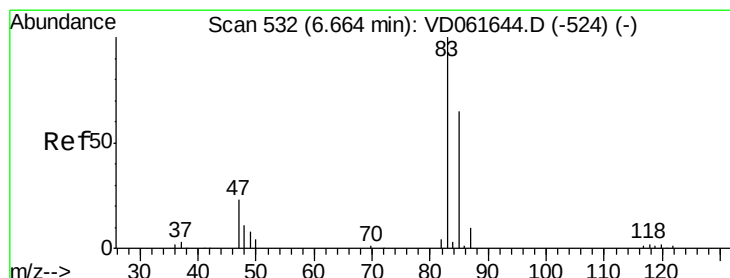
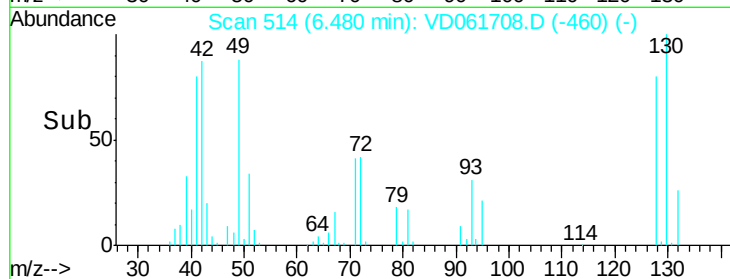
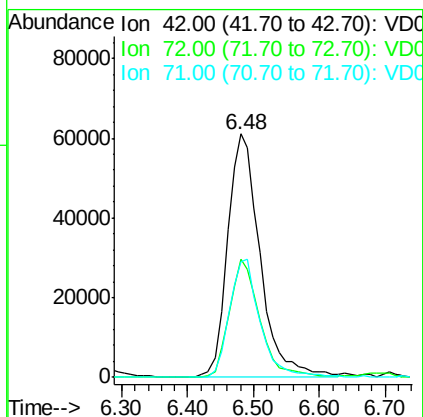
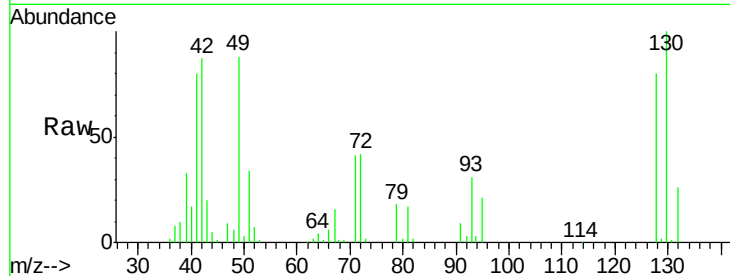




#29
Tetrahydrofuran
Concen: 218.577 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

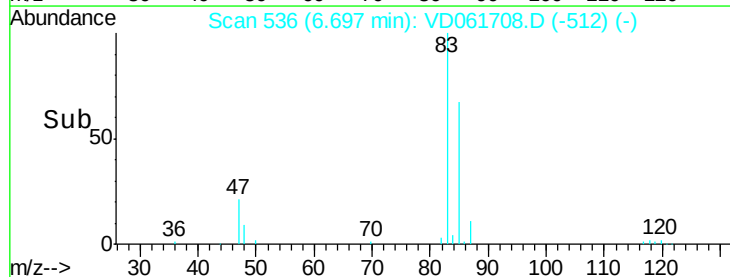
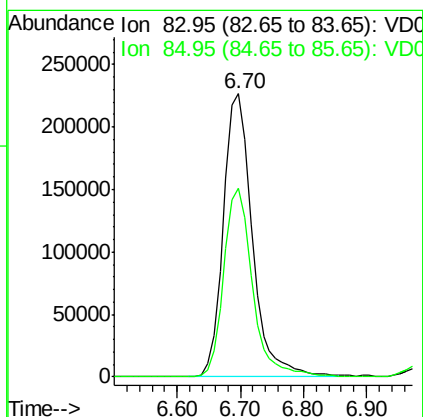
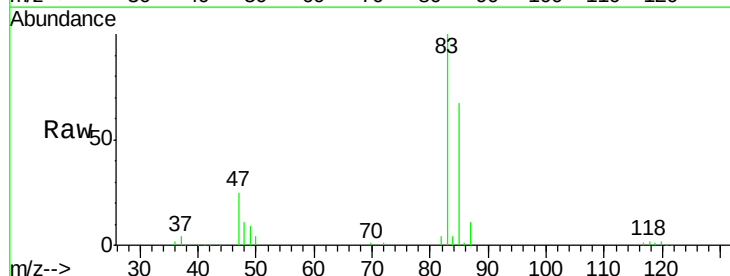
Instrument :
MSVOA_D
ClientSampled :

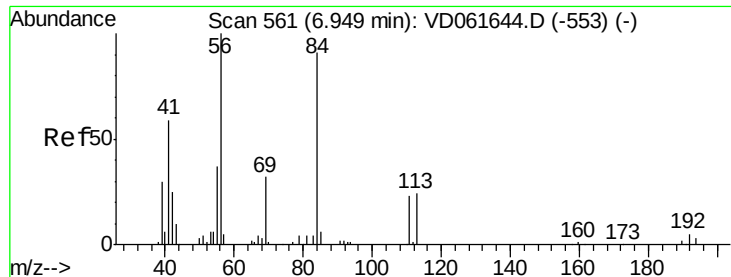
Tot Ion: 42 Resp: 210871
Ion Ratio Lower Upper
42 100
72 45.9 37.0 55.6
71 46.0 36.5 54.7



#30
Chloroform
Concen: 49.359 ug/l
RT: 6.70 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 83 Resp: 722674
Ion Ratio Lower Upper
83 100
85 66.6 51.9 77.9

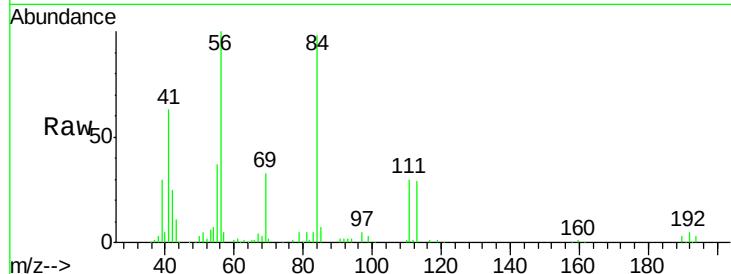




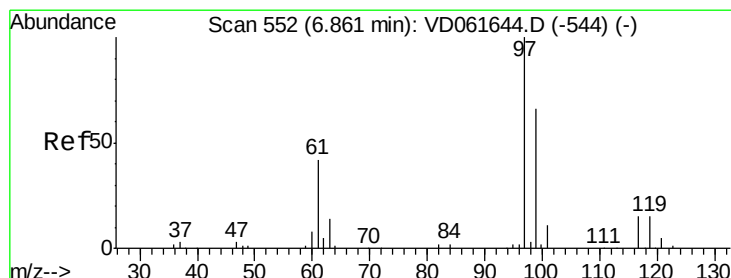
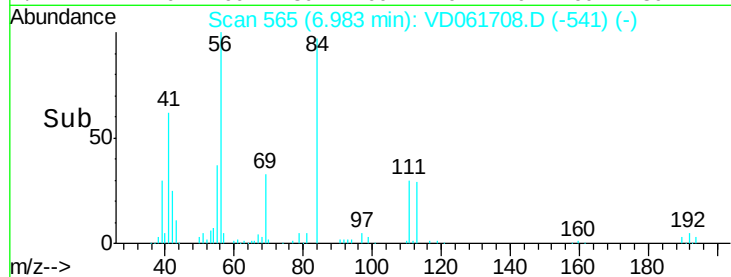
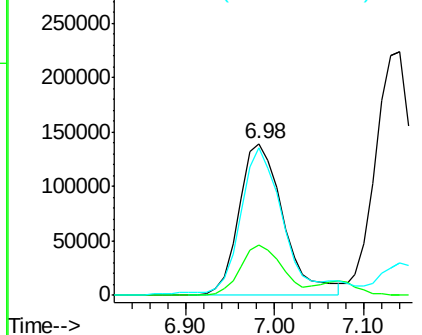
#31
Cyclohexane
Concen: 44.162 ug/l
RT: 6.98 min Scan# 565
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 482179
Ion Ratio Lower Upper
56 100
69 32.9 25.8 38.6
84 97.6 74.2 111.2

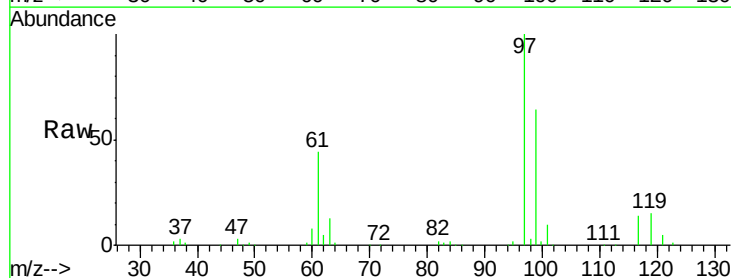


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

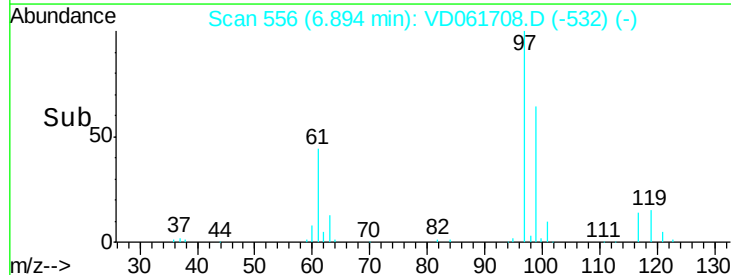
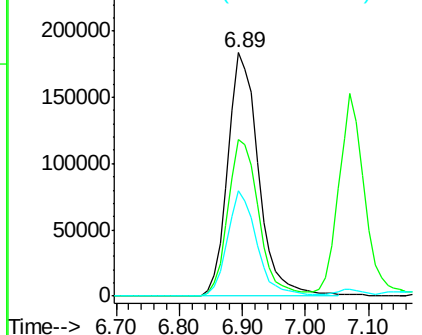


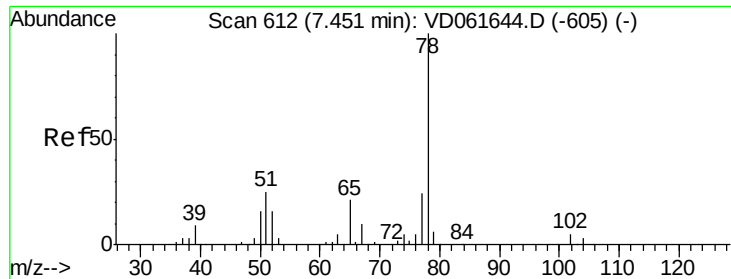
#32
1,1,1-Trichloroethane
Concen: 48.289 ug/l
RT: 6.89 min Scan# 556
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 97 Resp: 619563
Ion Ratio Lower Upper
97 100
99 64.3 52.5 78.7
61 43.5 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: 48.289 ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

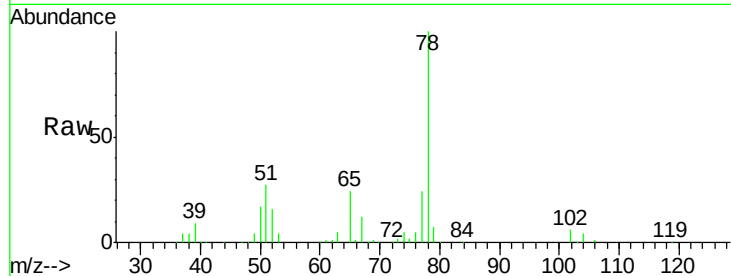
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 273973

Ion Ratio Lower Upper

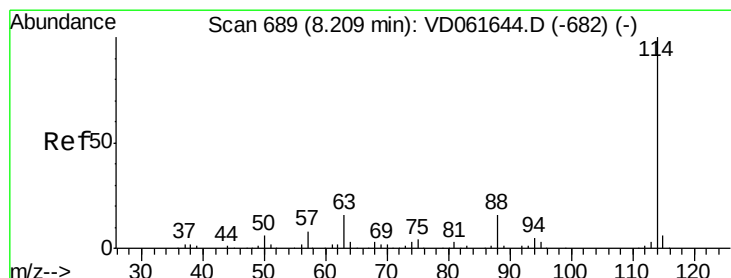
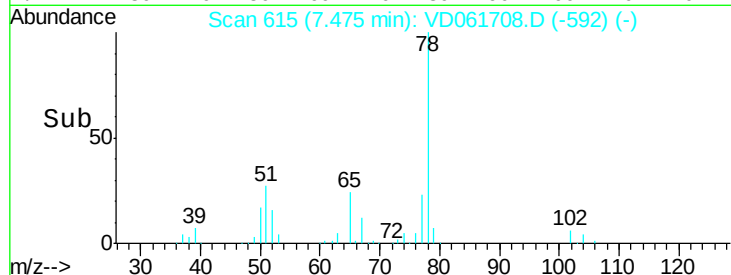
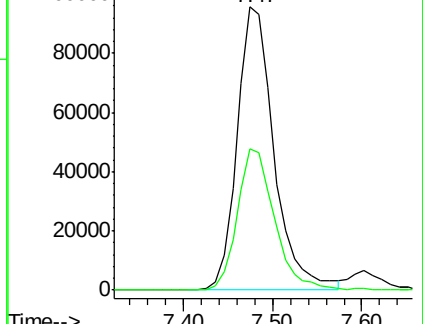
65 100

67 50.0 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

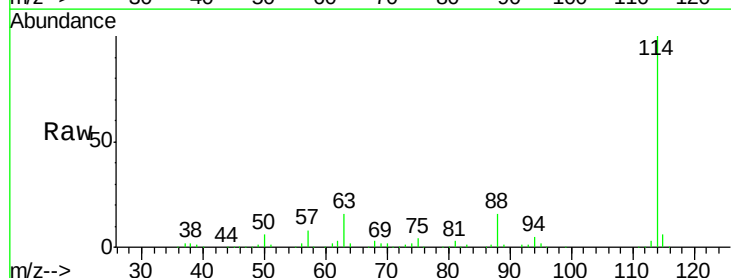
Tgt Ion: 114 Resp: 1174332

Ion Ratio Lower Upper

114 100

63 15.7 0.0 31.2

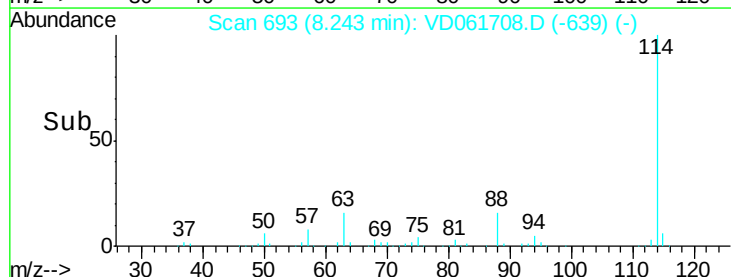
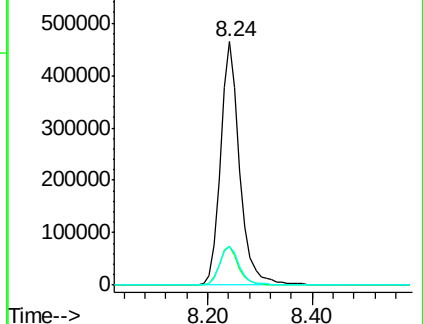
88 16.0 0.0 31.8

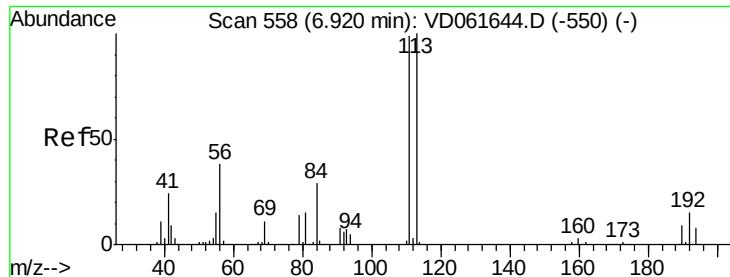


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

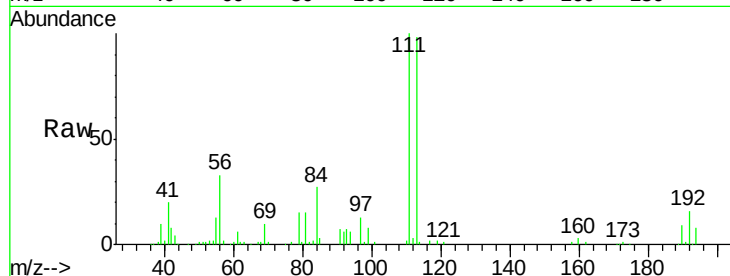
Tot Ion:113 Resp: 412323

Ion Ratio Lower Upper

113 100

111 102.3 79.3 118.9

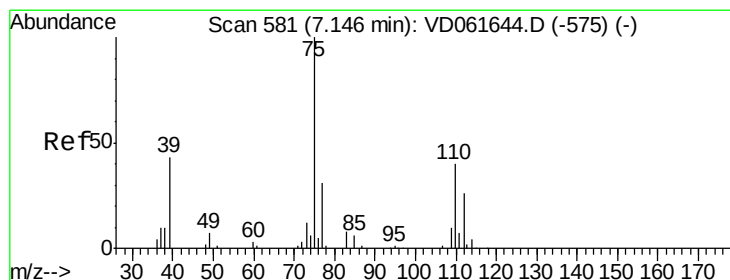
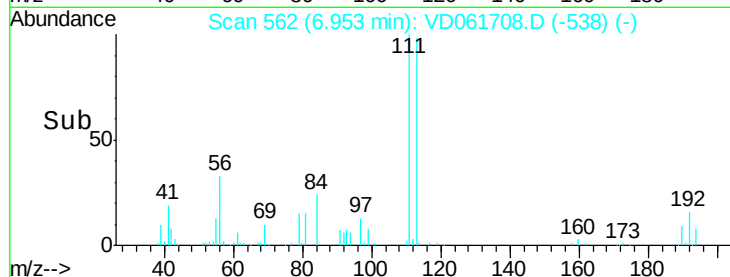
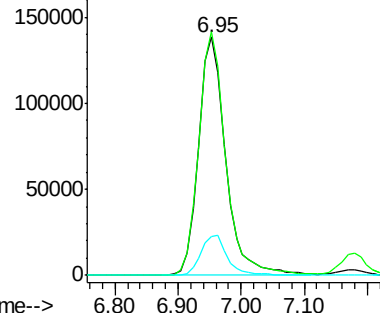
192 16.2 12.3 18.5



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 51.370 ug/l

RT: 7.18 min Scan# 585

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

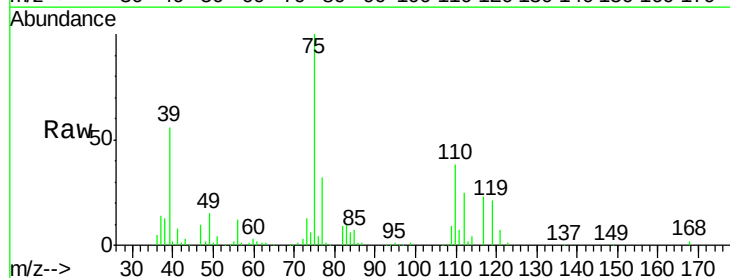
Tgt Ion: 75 Resp: 527956

Ion Ratio Lower Upper

75 100

110 37.9 19.7 59.0

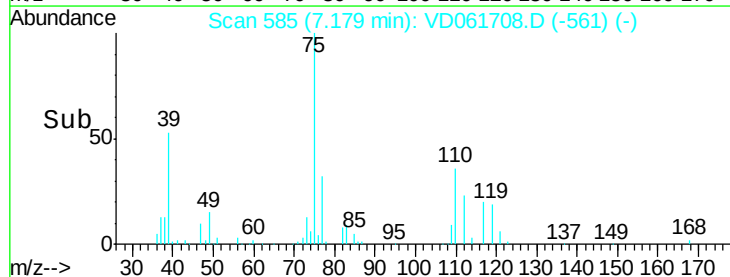
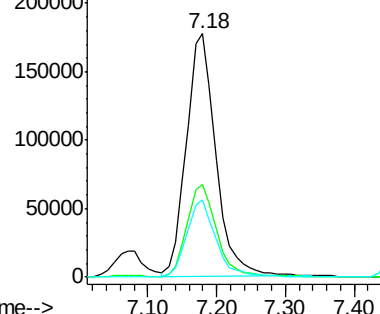
77 31.7 24.8 37.2

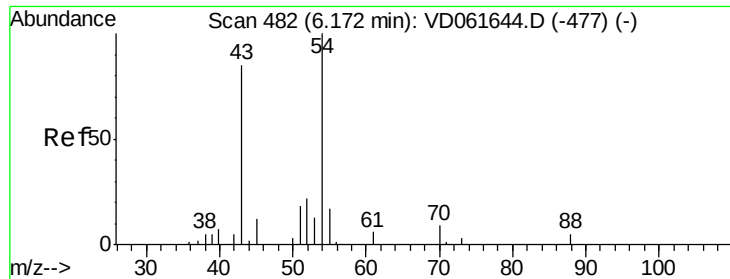


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

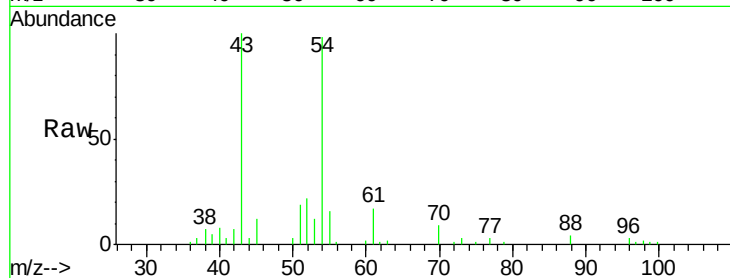




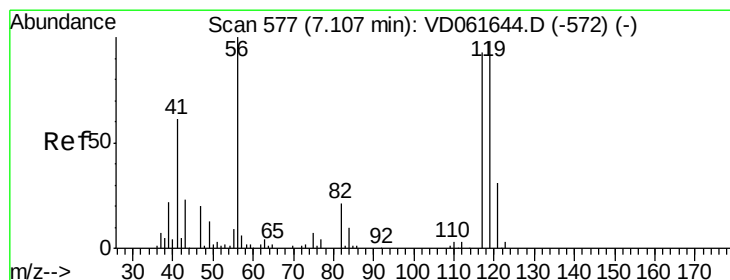
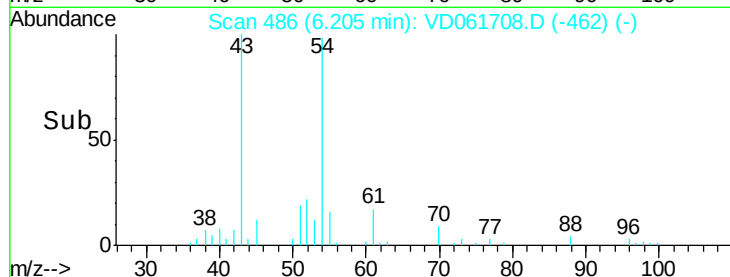
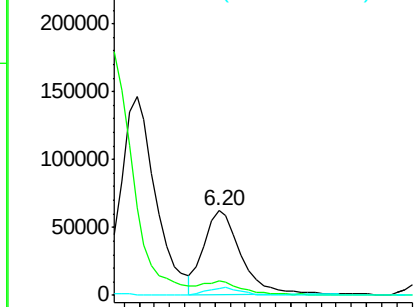
#37
Ethyl Acetate
Concen: 49.692 ug/l
RT: 6.20 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.0	11.9	17.9
70	8.5	6.9	10.3

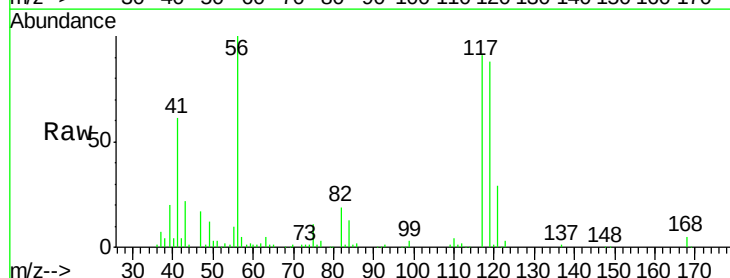


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

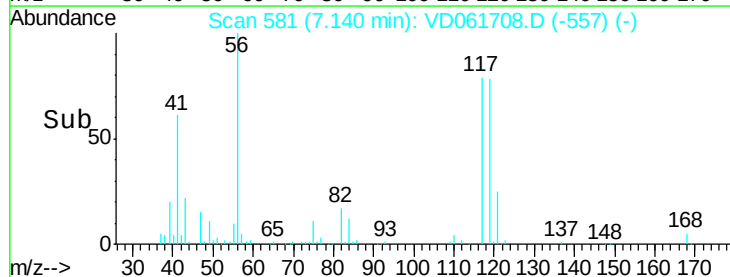
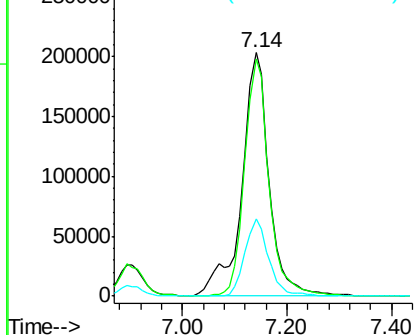


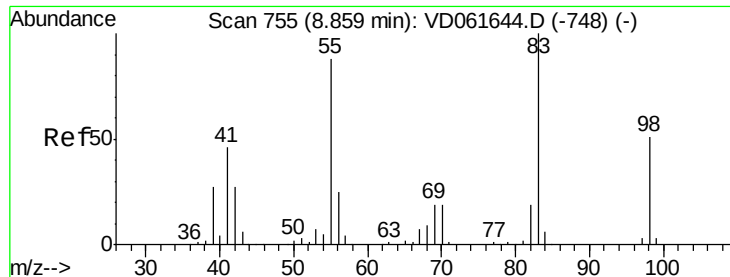
#38
Carbon Tetrachloride
Concen: 58.788 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.9	116.9
121	31.5	24.7	37.1



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

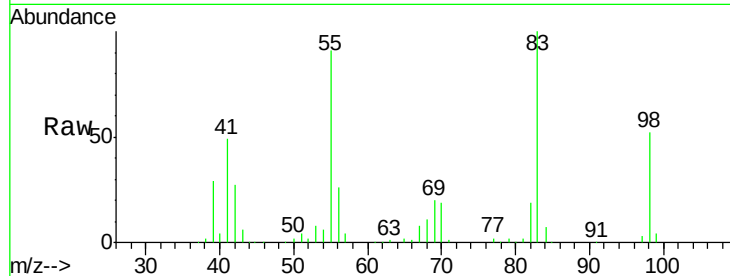




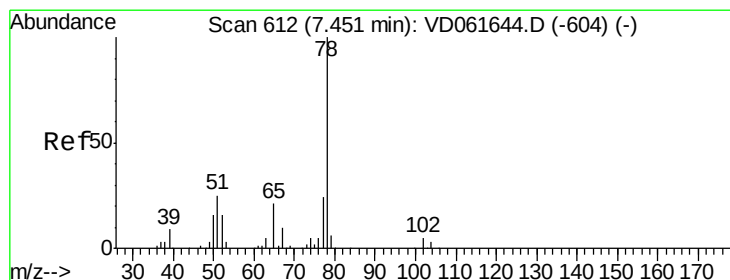
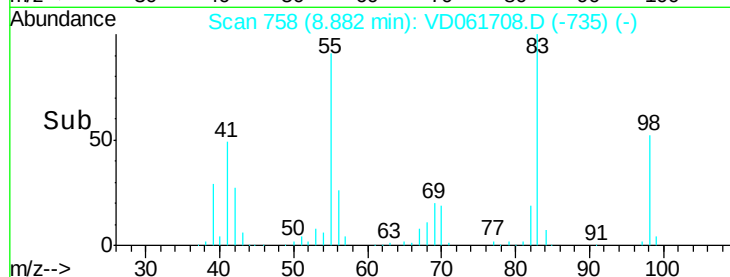
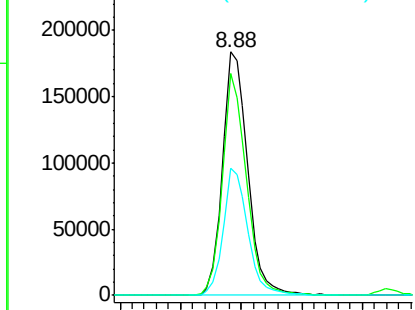
#39
Methylvlcyclohexane
Concen: 50.478 ug/l
RT: 8.88 min Scan# 758
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 83 Resp: 532623
Ion Ratio Lower Upper
83 100
55 91.1 70.3 105.5
98 52.0 41.0 61.6

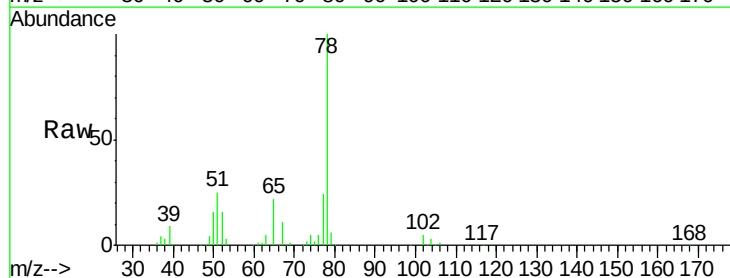


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

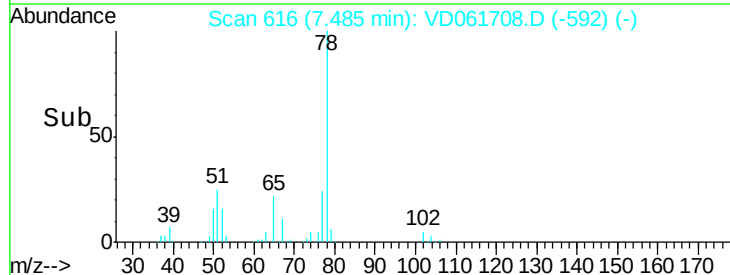
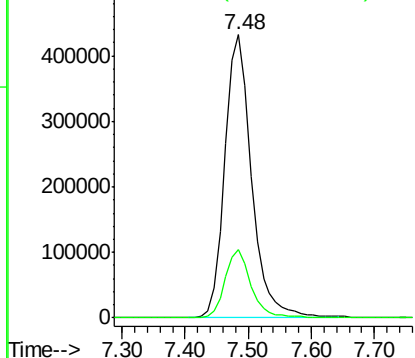


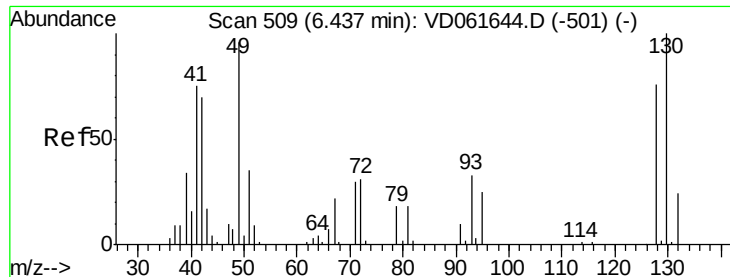
#40
Benzene
Concen: 51.392 ug/l
RT: 7.48 min Scan# 616
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 78 Resp: 1274220
Ion Ratio Lower Upper
78 100
77 24.1 19.5 29.3



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

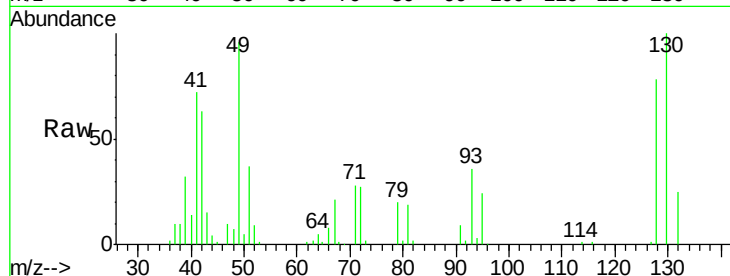




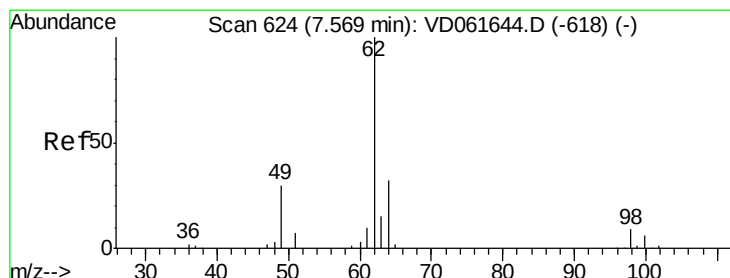
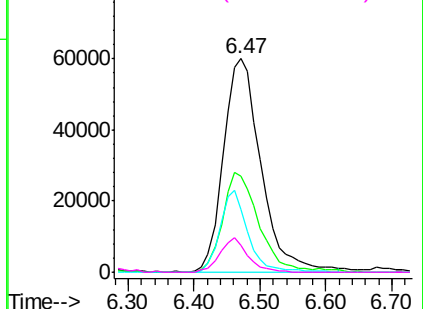
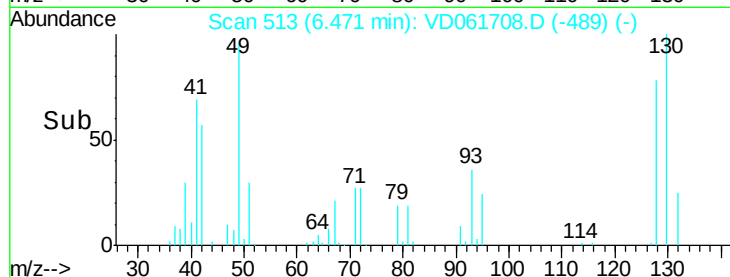
#41
Methacrylonitrile
Concen: 48.972 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:	41	Resp:	239316
Ion	Ratio	Lower	Upper
41	100		
39	44.9	36.2	54.2
67	29.4	23.2	34.8
52	12.8	10.0	15.0

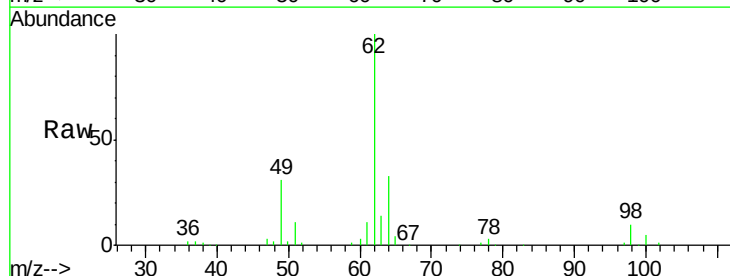


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

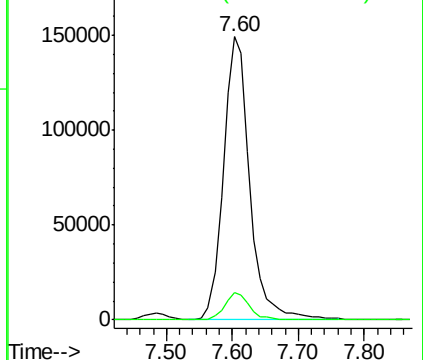
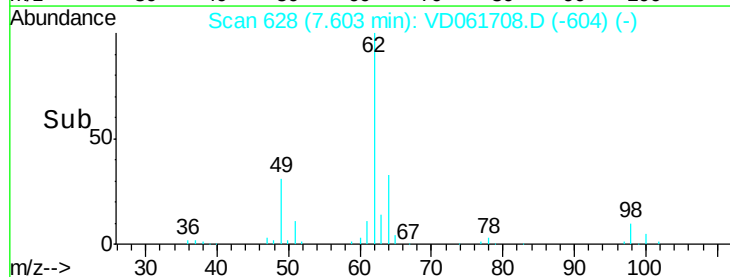


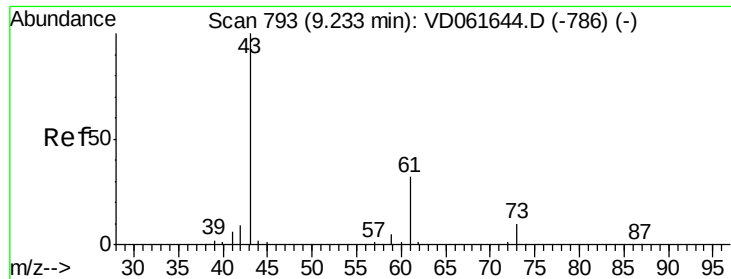
#42
1,2-Dichloroethane
Concen: 52.763 ug/l
RT: 7.60 min Scan# 628
Delta R.T. 0.03 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion:	62	Resp:	411429
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	17.8



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



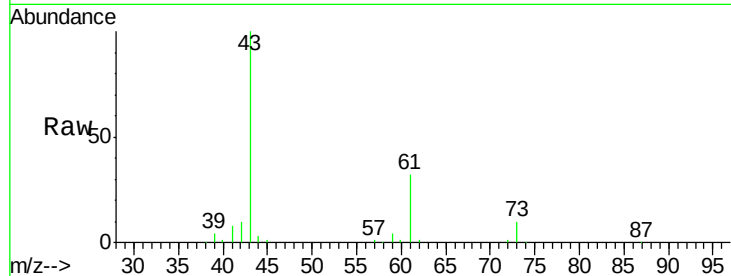


#43

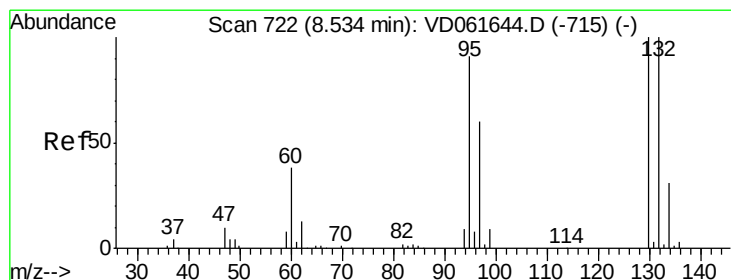
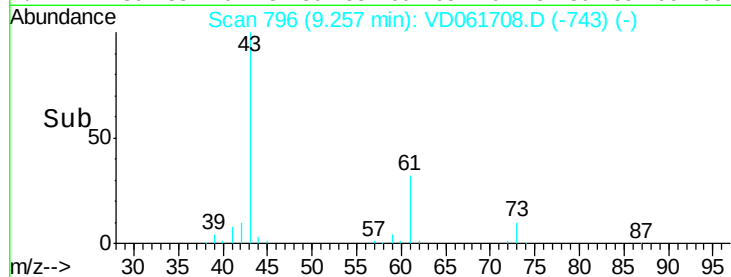
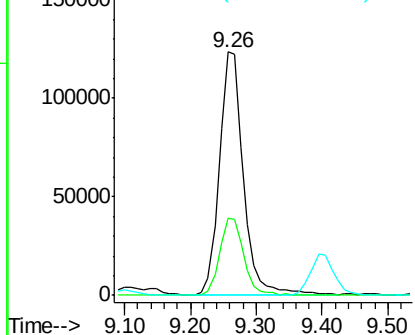
Isopropyl Acetate
 Concen: 51.962 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.02 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 315688
 Ion Ratio Lower Upper
 43 100
 61 31.6 25.9 38.9
 87 0.4 0.2 0.4



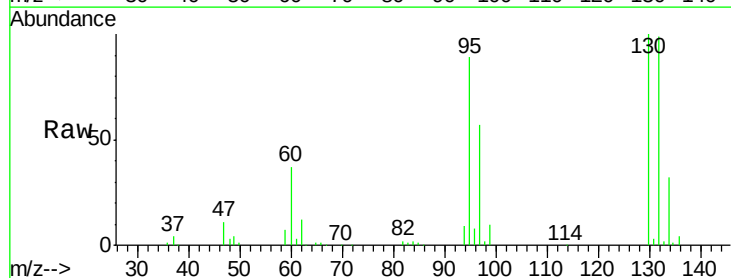
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



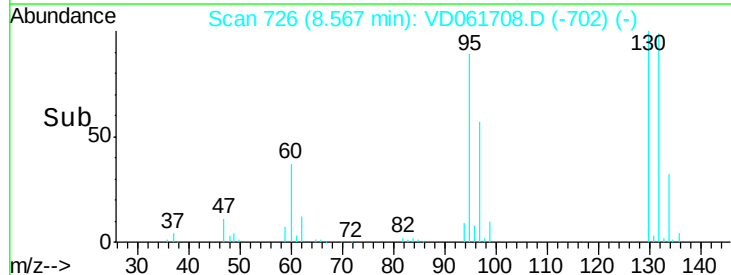
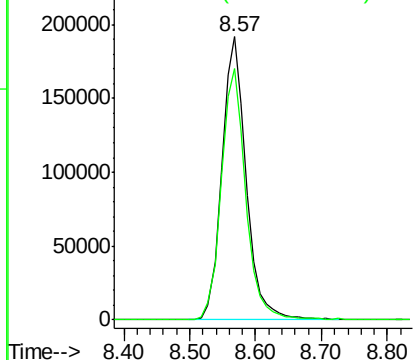
#44

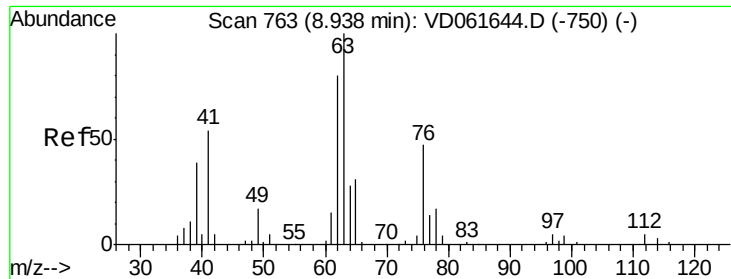
Trichloroethene
 Concen: 52.008 ug/l
 RT: 8.57 min Scan# 726
 Delta R.T. 0.03 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion: 130 Resp: 494355
 Ion Ratio Lower Upper
 130 100
 95 88.9 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: 50.800 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

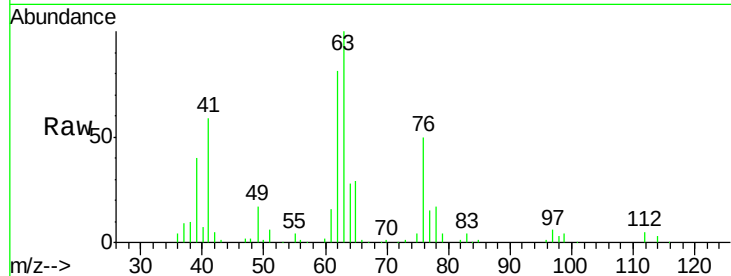
ClientSampleId :

Tot Ion: 63 Resp: 312363

Ion Ratio Lower Upper

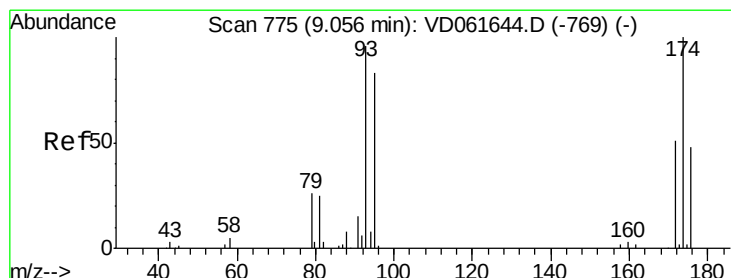
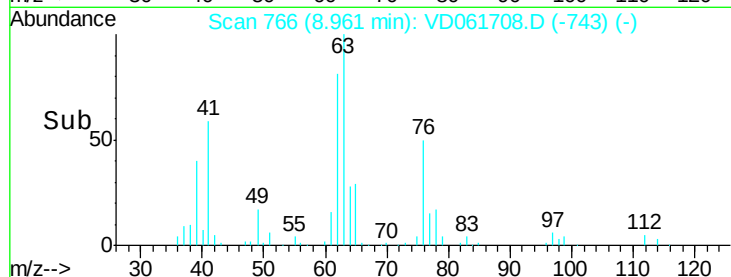
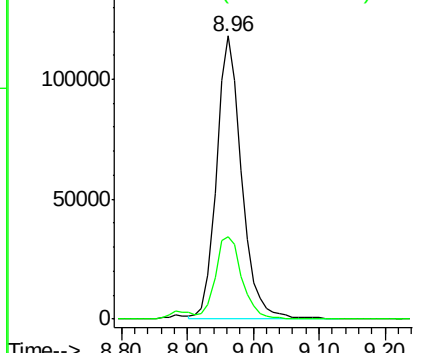
63 100

65 29.2 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: 52.115 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

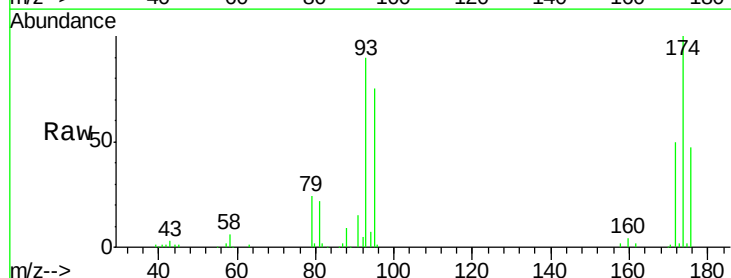
Tgt Ion: 93 Resp: 229024

Ion Ratio Lower Upper

93 100

95 83.5 68.6 103.0

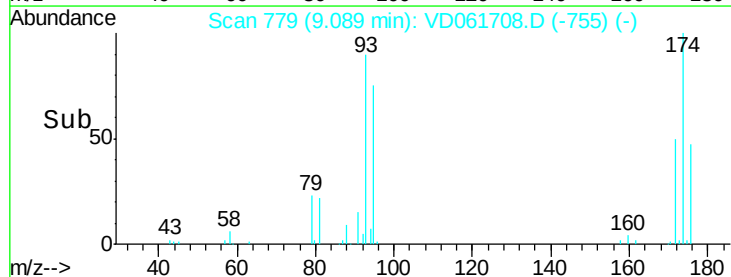
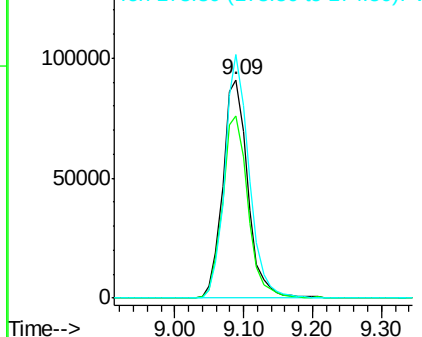
174 111.5 83.0 124.4

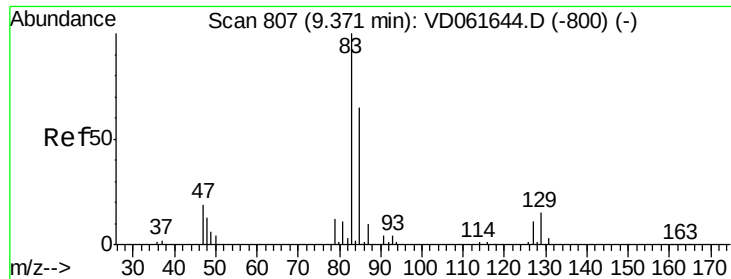


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.025 ug/l

RT: 9.39 min Scan# 810

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampleId :

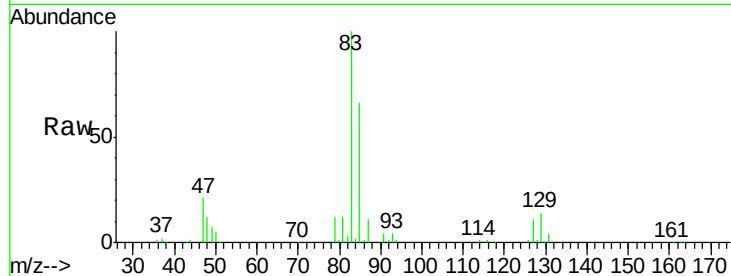
Tot Ion: 83 Resp: 502134

Ion Ratio Lower Upper

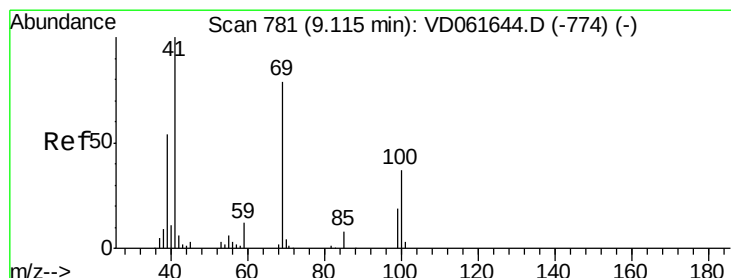
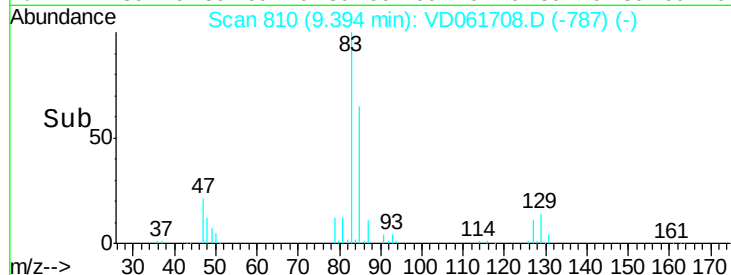
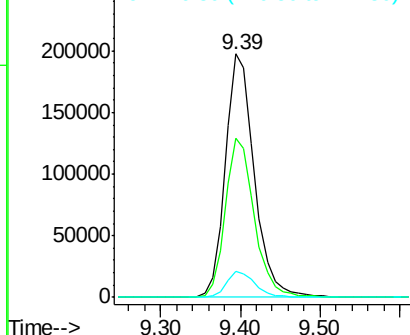
83 100

85 65.5 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: 51.070 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

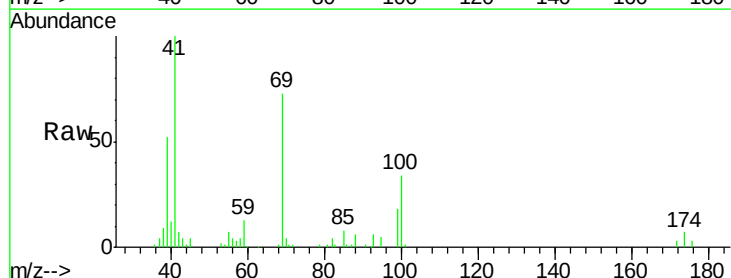
Tgt Ion: 41 Resp: 178852

Ion Ratio Lower Upper

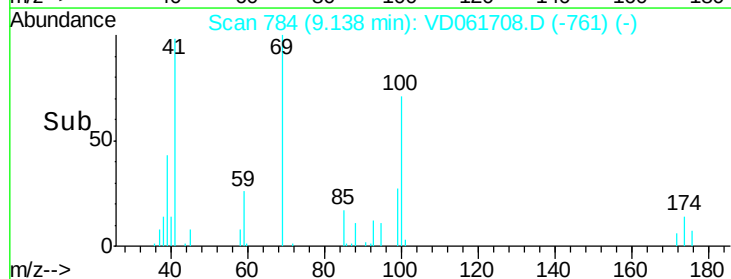
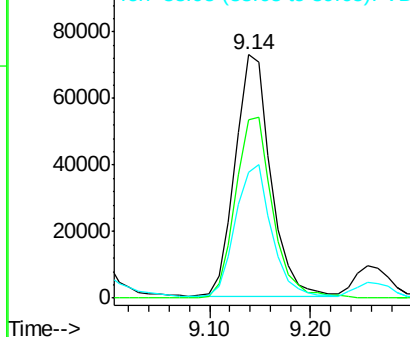
41 100

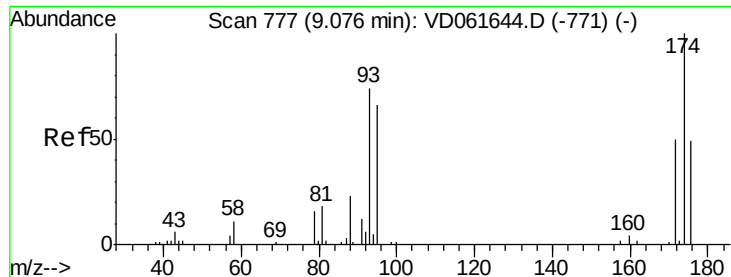
69 73.4 63.1 94.7

39 51.5 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: 1124.341 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.03 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :

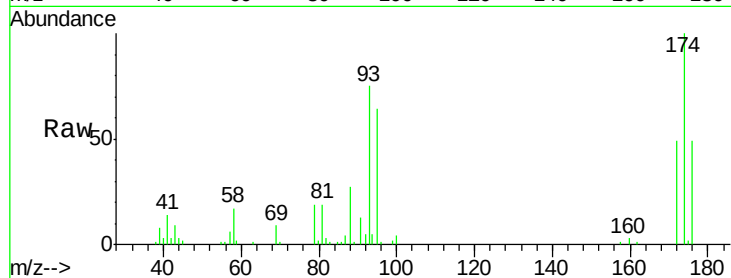
Tot Ion: 88 Resp: 43462

Ion Ratio Lower Upper

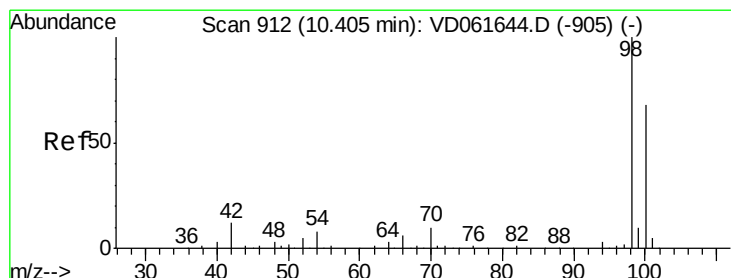
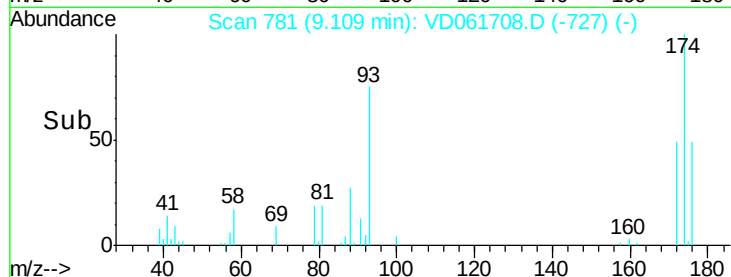
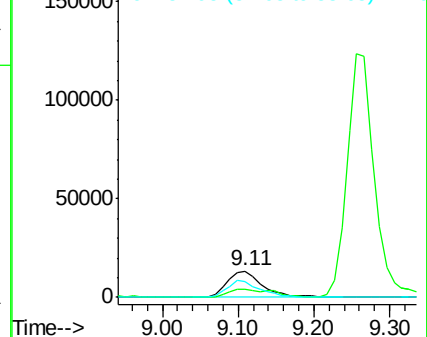
88 100

43 32.0 21.8 32.8

58 60.7 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: 1124.341 ug/l

RT: 10.44 min Scan# 916

Delta R.T. 0.03 min

Lab File: VD061708.D

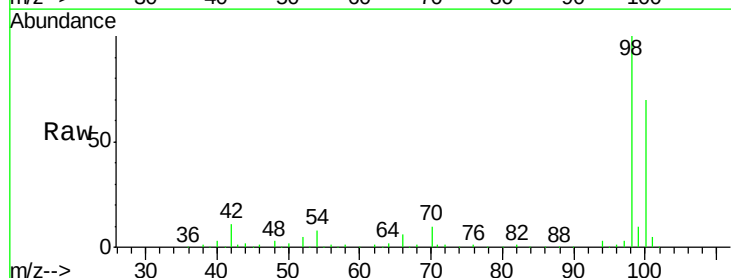
Acq: 10 Apr 2019 12:38

Tgt Ion: 98 Resp: 913665

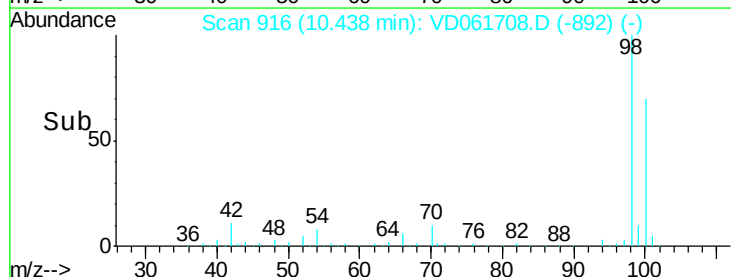
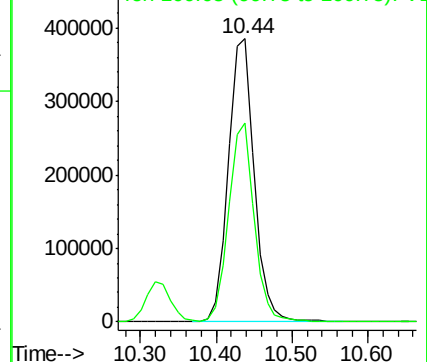
Ion Ratio Lower Upper

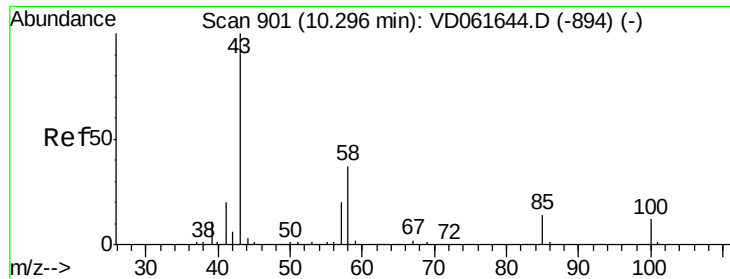
98 100

100 70.2 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: 275.357 ug/l

RT: 10.32 min Scan# 904

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

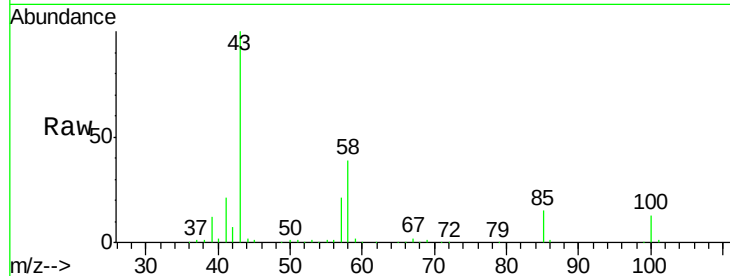
ClientSampled :

Tot Ion: 43 Resp: 989348

Ion Ratio Lower Upper

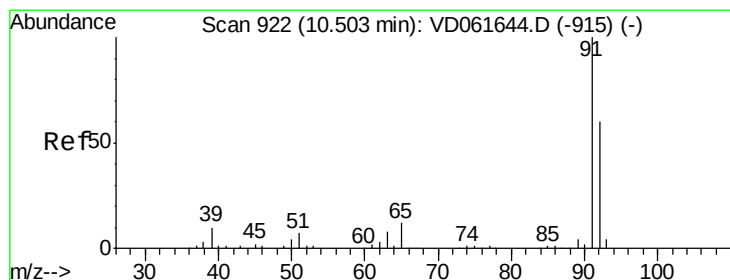
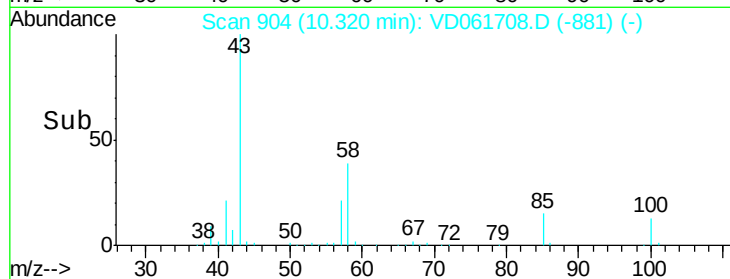
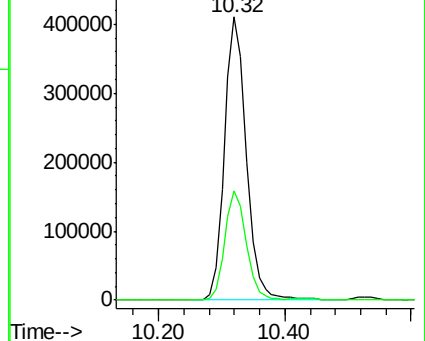
43 100

58 38.6 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: 47.872 ug/l

RT: 10.53 min Scan# 925

Delta R.T. 0.02 min

Lab File: VD061708.D

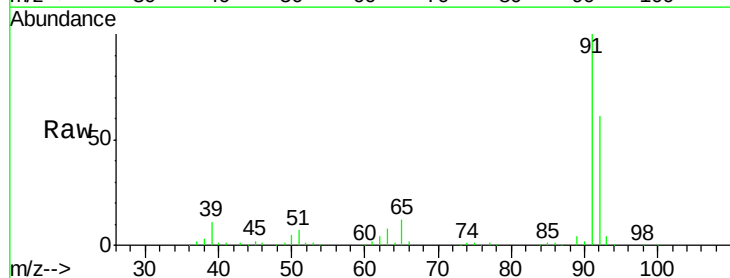
Acq: 10 Apr 2019 12:38

Tgt Ion: 92 Resp: 741192

Ion Ratio Lower Upper

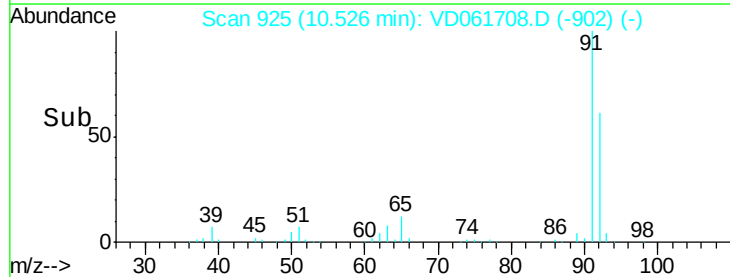
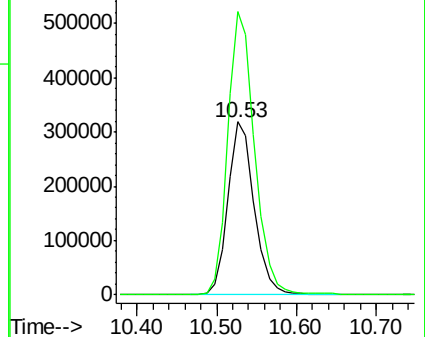
92 100

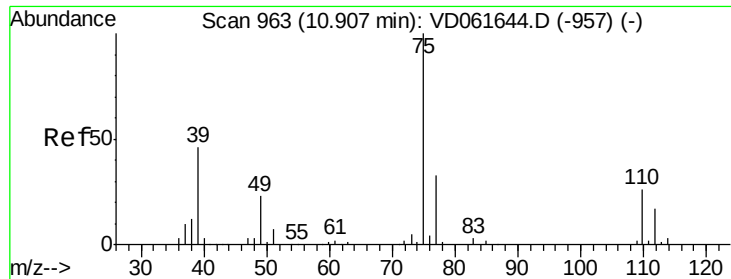
91 163.4 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

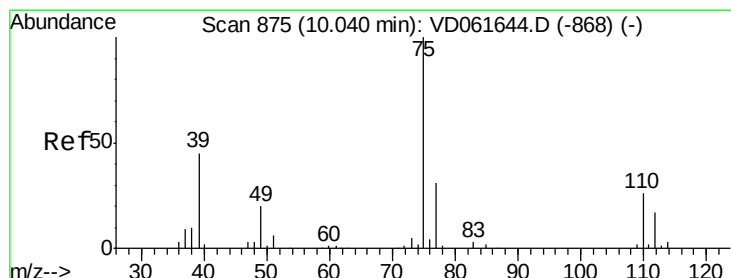
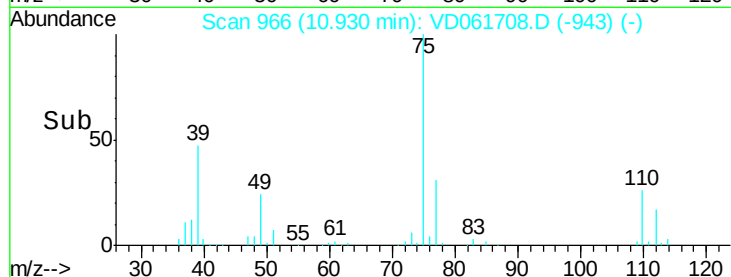
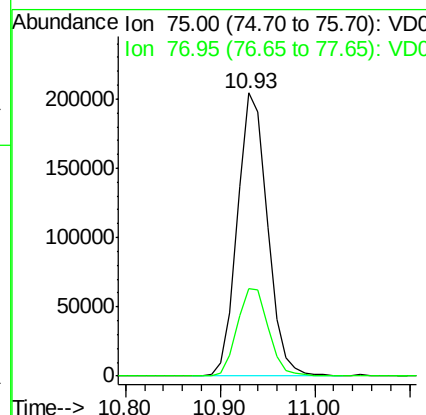
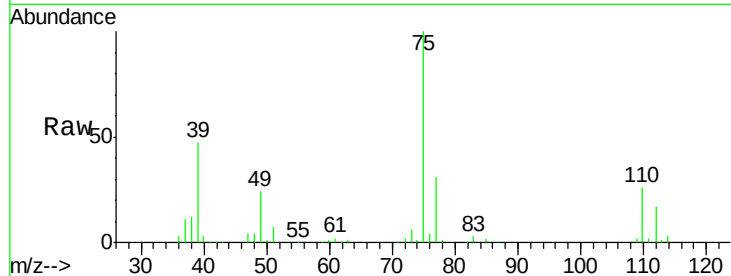




#53
t-1,3-Dichloropropene
Concen: 53.284 ug/l
RT: 10.93 min Scan# 966
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

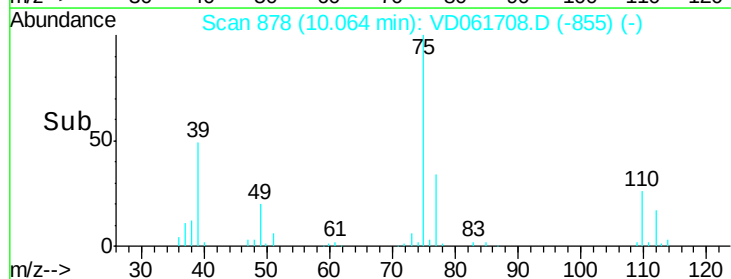
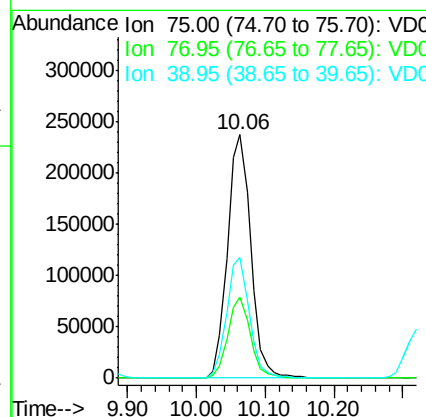
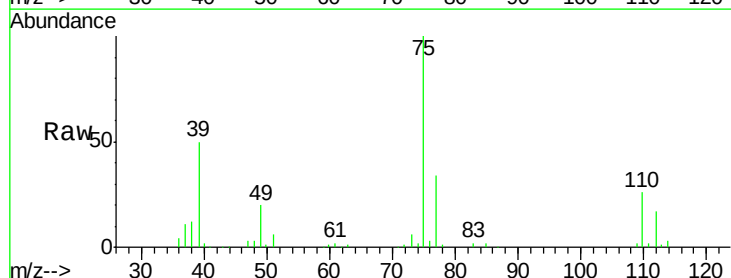
Instrument :
MSVOA_D
ClientSampleId :

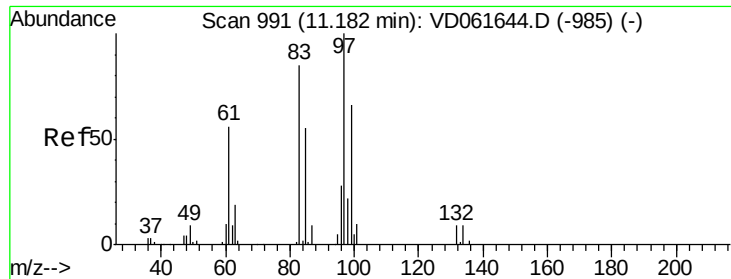
Tot Ion: 75 Resp: 450809
Ion Ratio Lower Upper
75 100
77 30.8 26.2 39.2



#54
cis-1,3-Dichloropropene
Concen: 53.399 ug/l
RT: 10.06 min Scan# 878
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 75 Resp: 556928
Ion Ratio Lower Upper
75 100
77 33.5 24.6 37.0
39 49.6 36.2 54.2

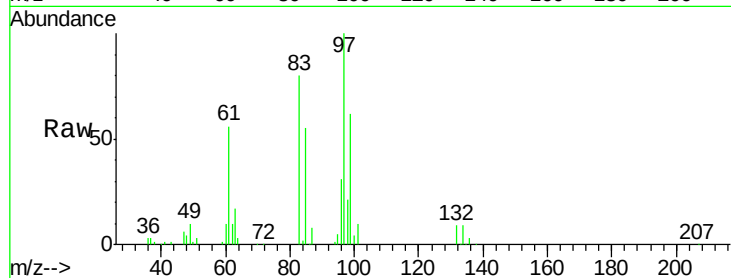




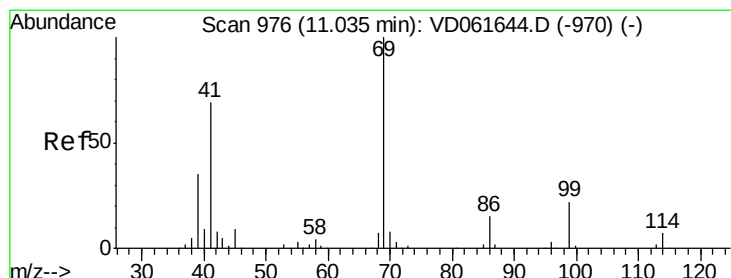
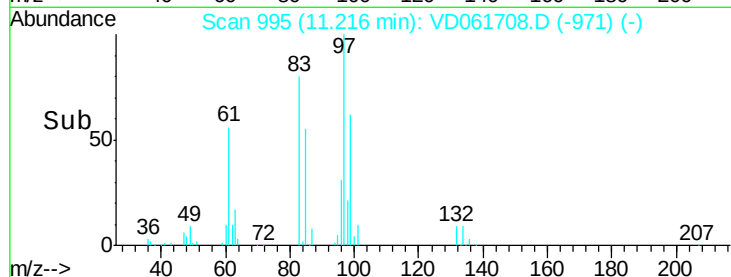
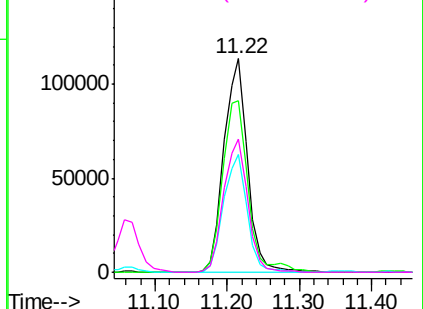
#55
 1,1,2-Trichloroethane
 Concen: 49.439 ug/l
 RT: 11.22 min Scan# 995
 Delta R.T. 0.03 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 258163
 Ion Ratio Lower Upper
 97 100
 83 80.2 67.8 101.6
 85 55.1 43.8 65.8
 99 62.2 52.8 79.2

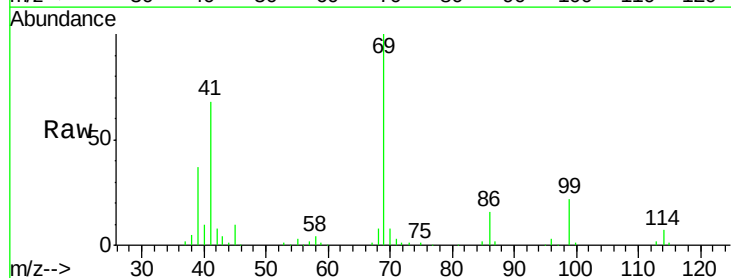


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

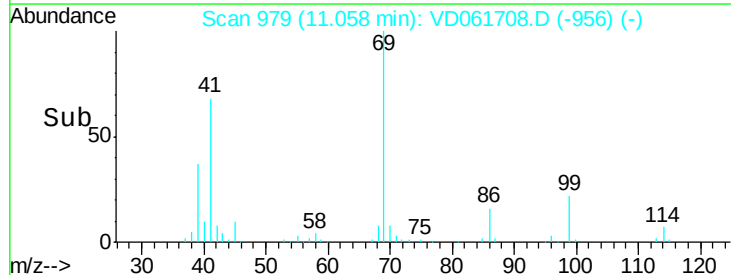
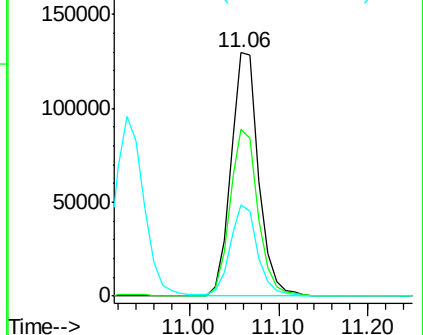


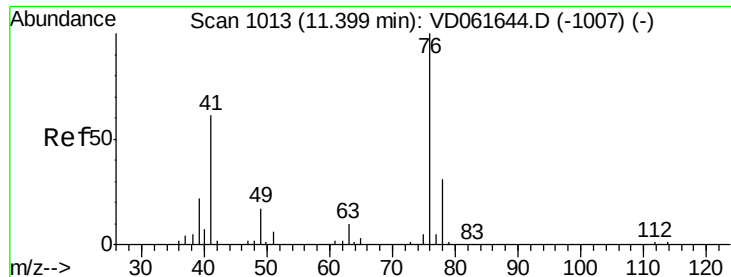
#56
 Ethyl methacrylate
 Concen: 51.338 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion: 69 Resp: 282806
 Ion Ratio Lower Upper
 69 100
 41 68.3 55.2 82.8
 39 37.3 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

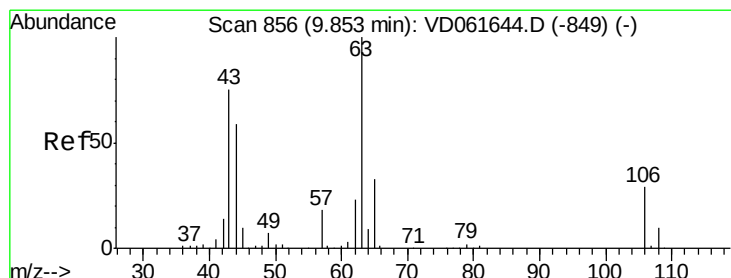
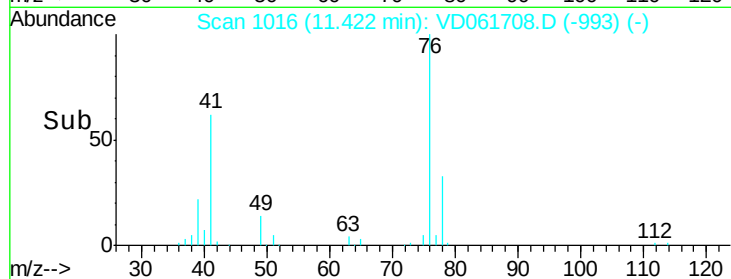
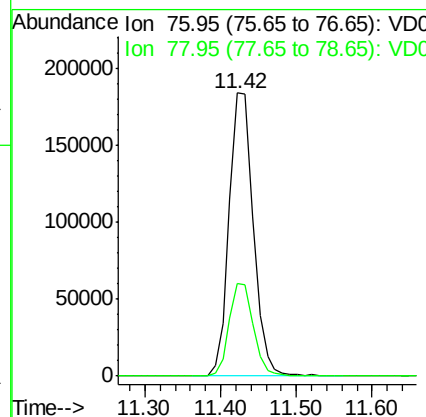
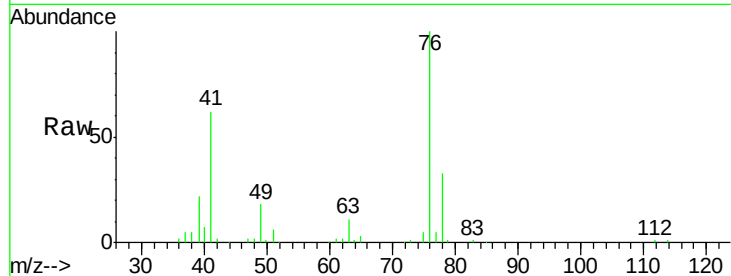




#57
 1,3-Dichloropropane
 Concen: 53.460 ug/l
 RT: 11.42 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

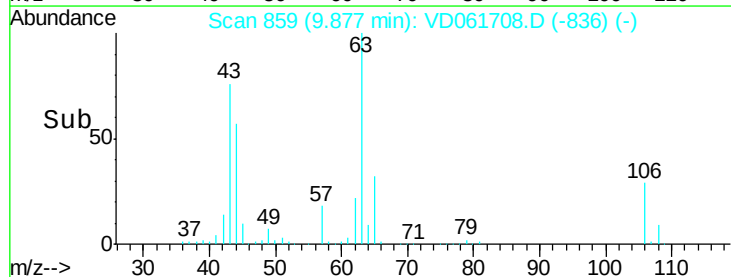
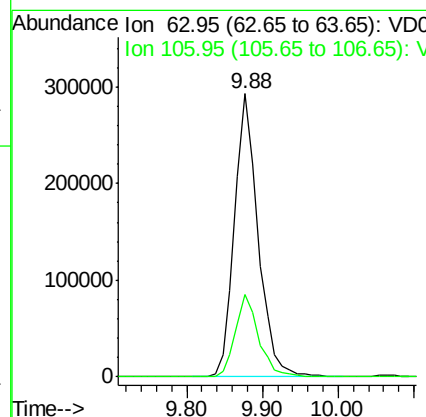
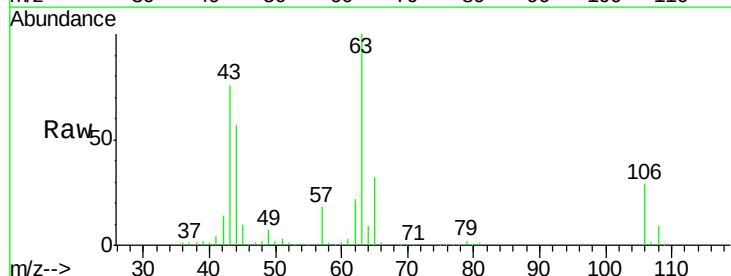
Instrument :
 MSVOA_D
 ClientSampleId :

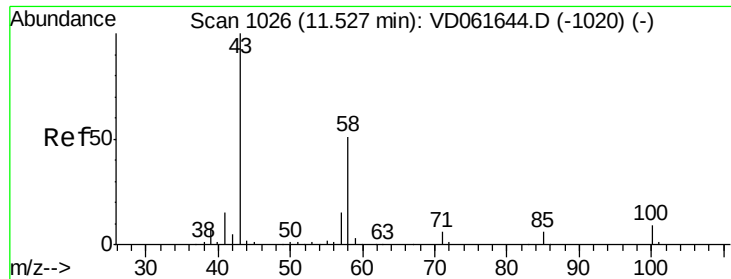
Tot Ion: 76 Resp: 408820
 Ion Ratio Lower Upper
 76 100
 78 32.6 24.5 36.7



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.438 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.02 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion: 63 Resp: 630158
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.0 34.6





#59

2-Hexanone

Concen: 267.204 ug/l

RT: 11.55 min Scan# 1029

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

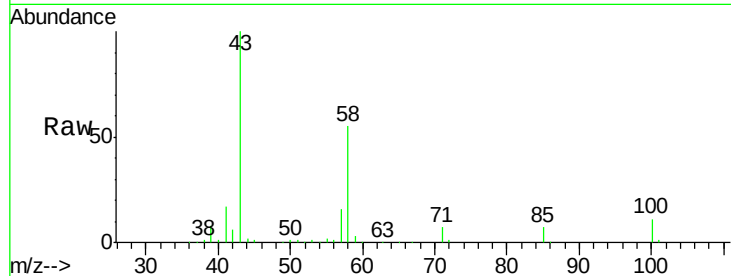
ClientSampled :

Tot Ion: 43 Resp: 745080

Ion Ratio Lower Upper

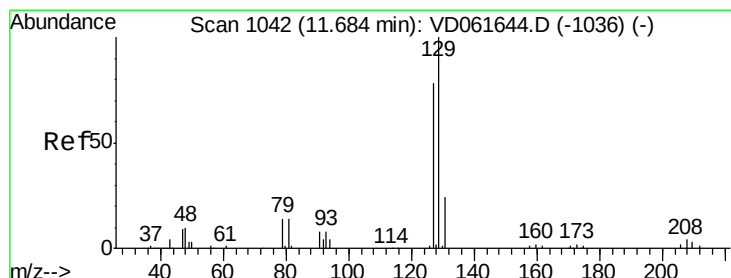
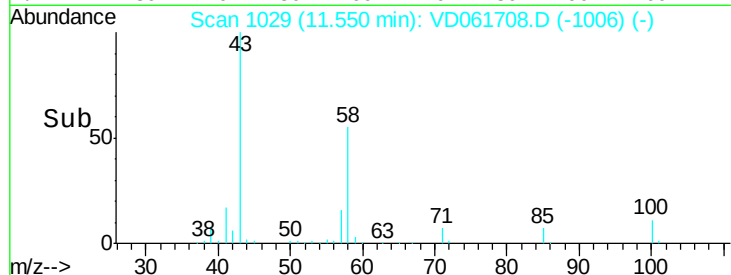
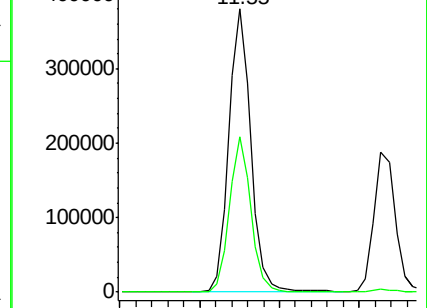
43 100

58 55.1 25.6 76.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 52.463 ug/l

RT: 11.71 min Scan# 1045

Delta R.T. 0.02 min

Lab File: VD061708.D

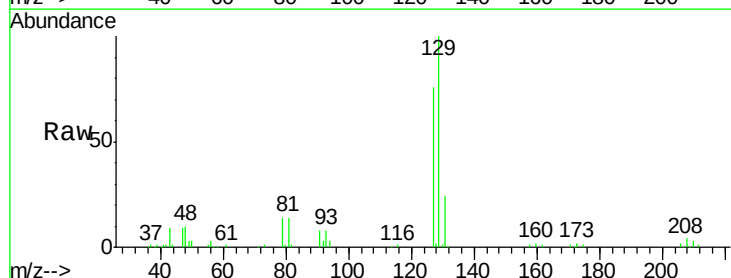
Acq: 10 Apr 2019 12:38

Tgt Ion: 129 Resp: 432824

Ion Ratio Lower Upper

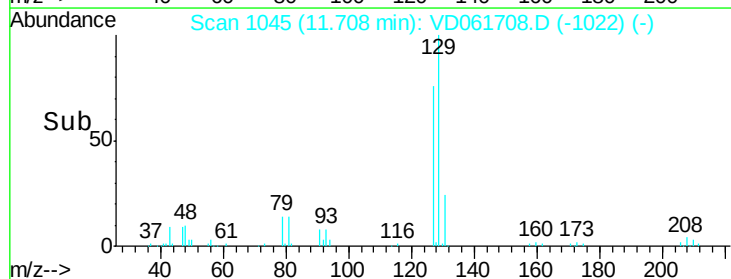
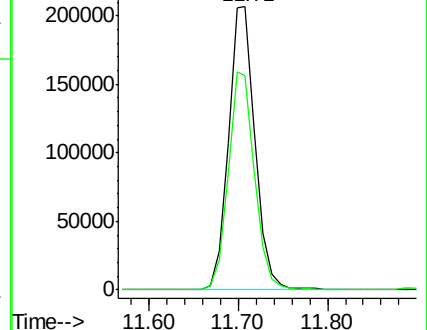
129 100

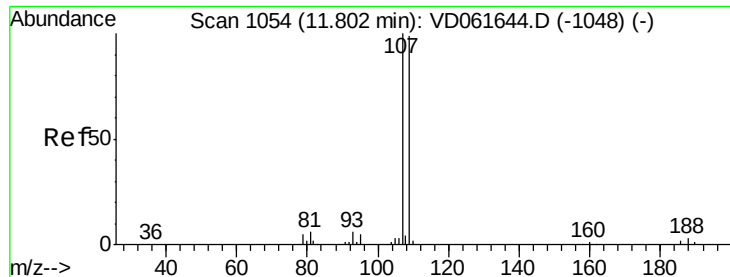
127 75.6 38.8 116.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

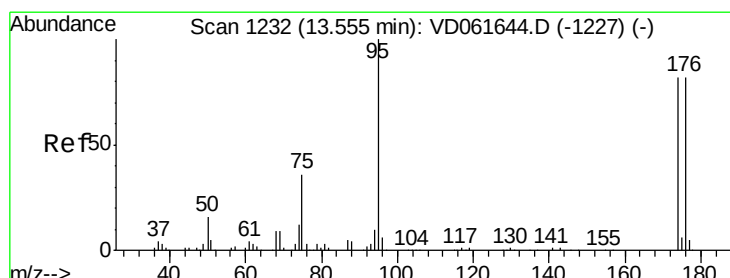
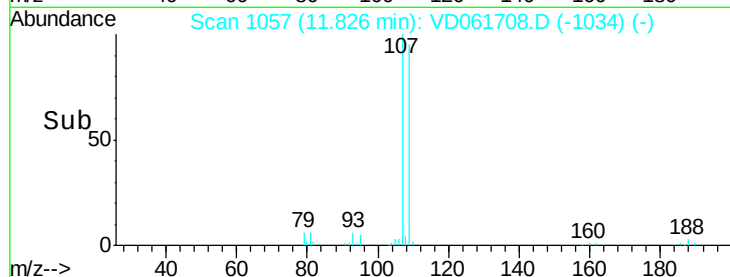
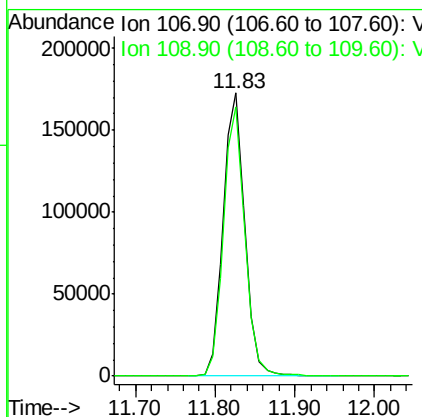
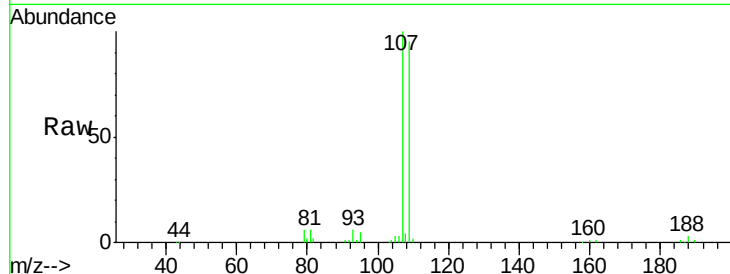




#61
 1,2-Dibromoethane
 Concen: 54.244 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.02 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

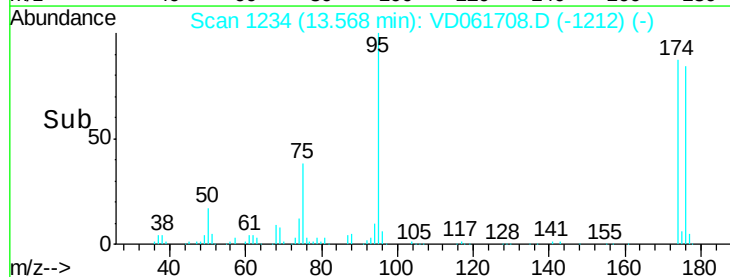
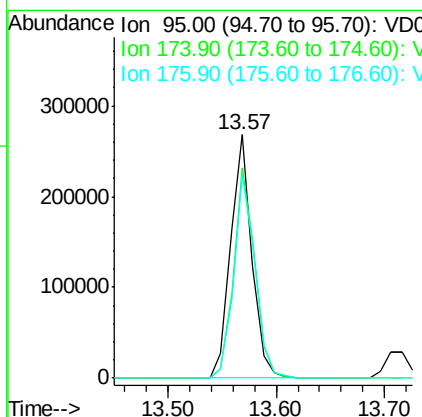
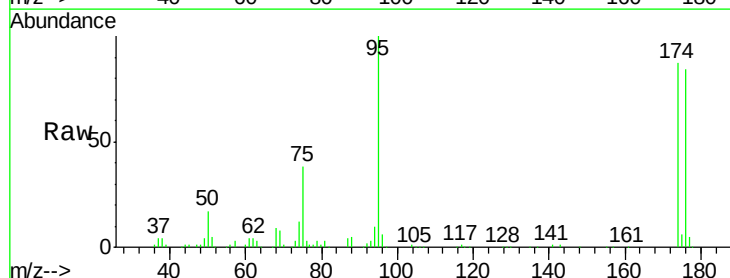
Instrument :
 MSVOA_D
 ClientSampleId :

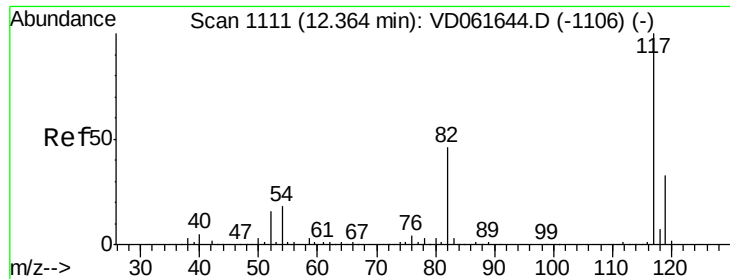
Tot Ion: 107 Resp: 331260
 Ion Ratio Lower Upper
 107 100
 109 95.3 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 54.244 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion: 95 Resp: 365551
 Ion Ratio Lower Upper
 95 100
 174 86.6 0.0 164.6
 176 83.5 0.0 165.0

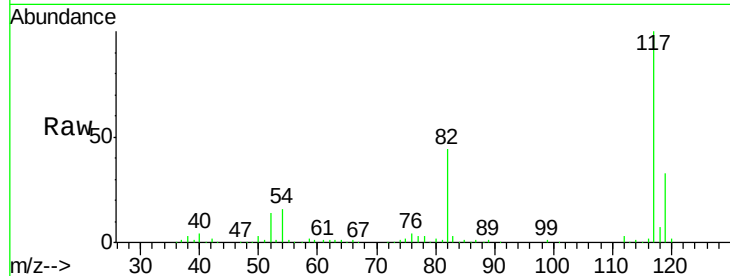




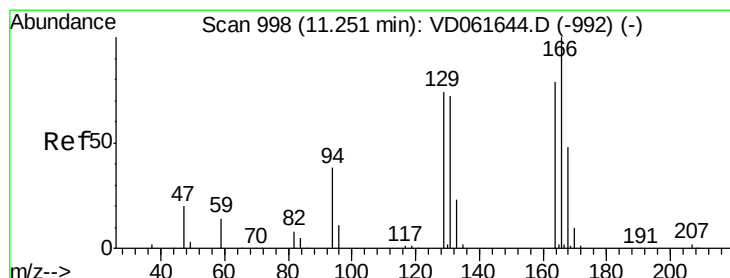
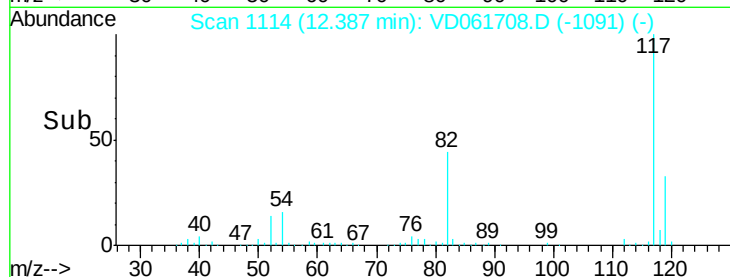
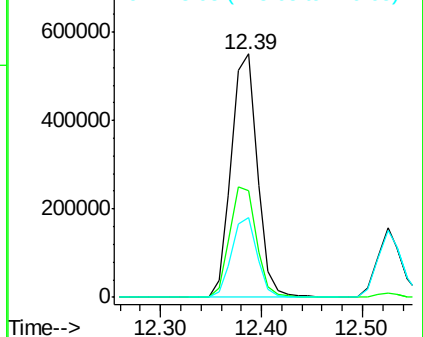
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 989497
Ion Ratio Lower Upper
117 100
82 43.9 36.8 55.2
119 32.7 26.1 39.1

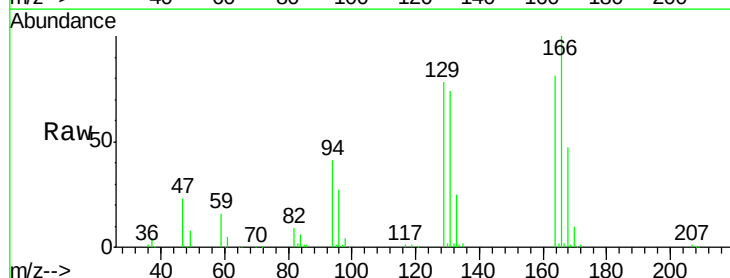


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

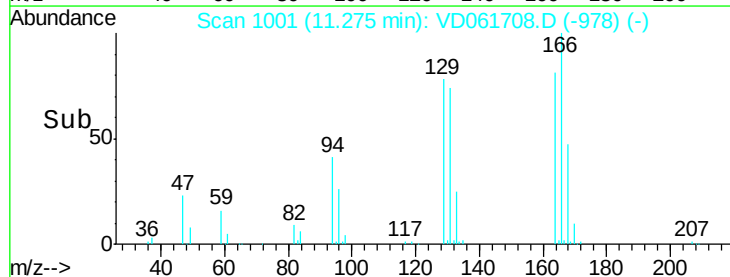
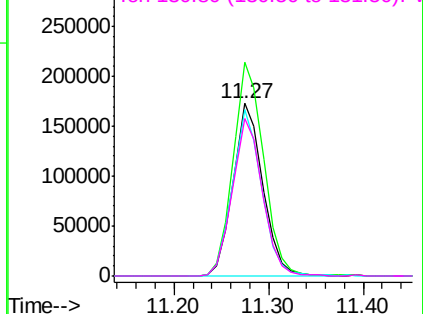


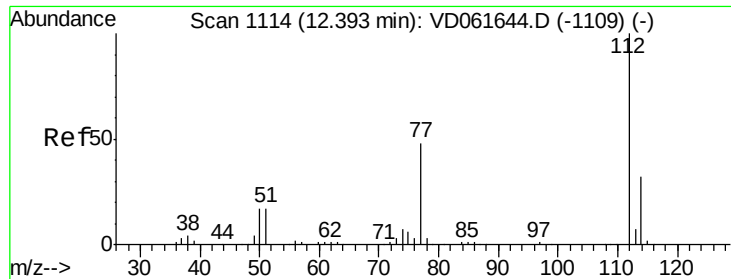
#64
Tetrachloroethene
Concen: 49.024 ug/l
RT: 11.27 min Scan# 1001
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion:164 Resp: 376548
Ion Ratio Lower Upper
164 100
166 123.8 101.8 152.8
129 96.2 75.4 113.0
131 91.4 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

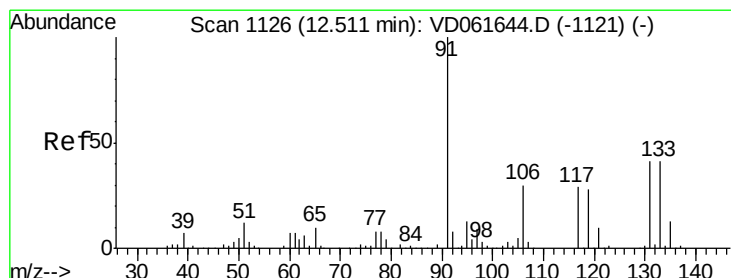
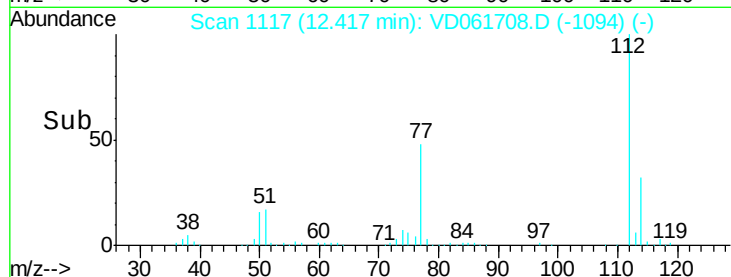
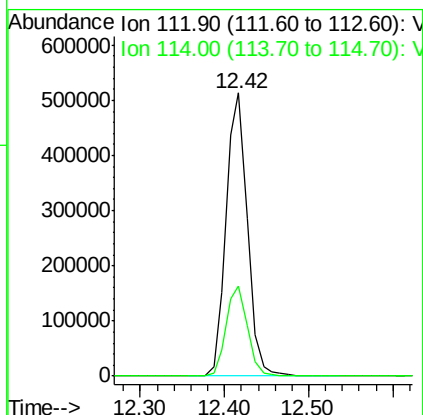
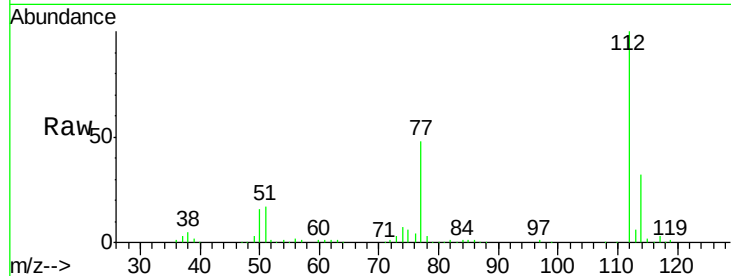




#65
Chlorobenzene
Concen: 45.734 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

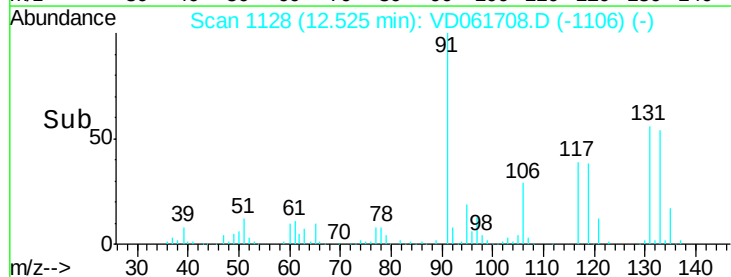
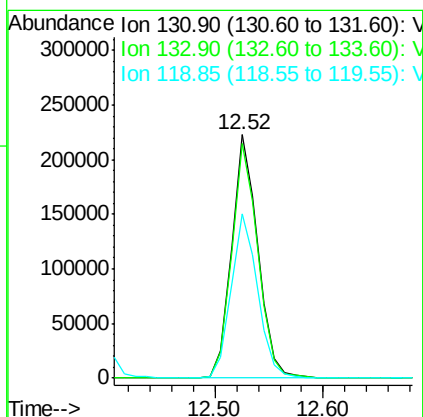
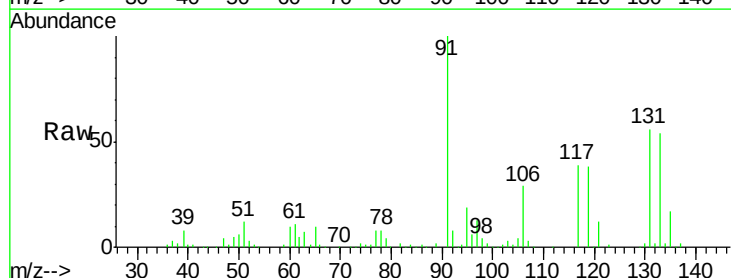
Instrument :
MSVOA_D
ClientSampled :

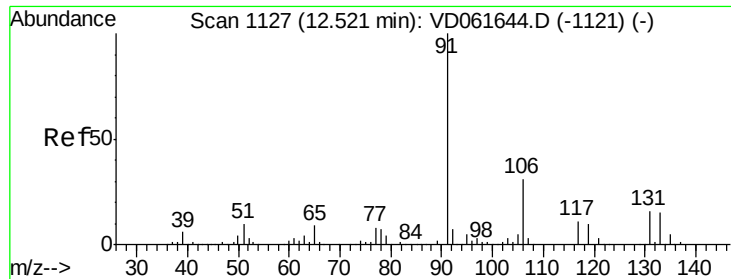
Tot Ion:112 Resp: 897439
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.496 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion:131 Resp: 373739
Ion Ratio Lower Upper
131 100
133 96.3 49.5 148.3
119 67.6 34.7 104.1

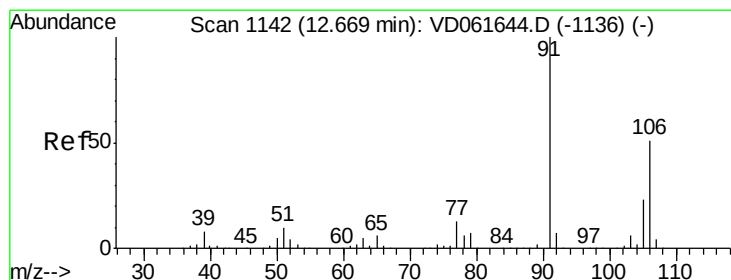
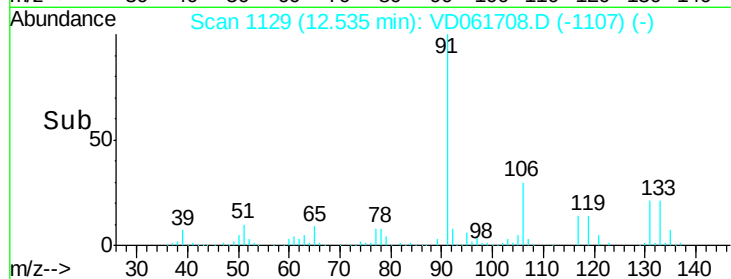
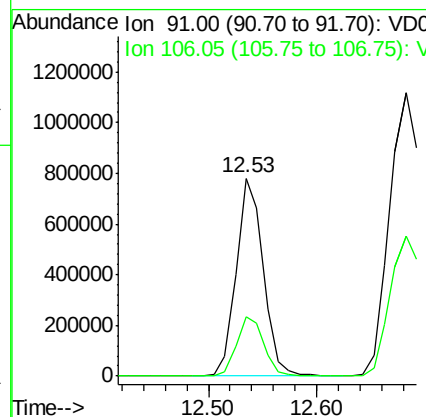
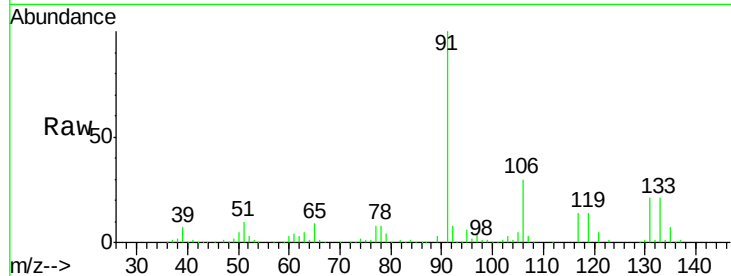




#67
Ethyl Benzene
Concen: 45.229 ug/l
RT: 12.53 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

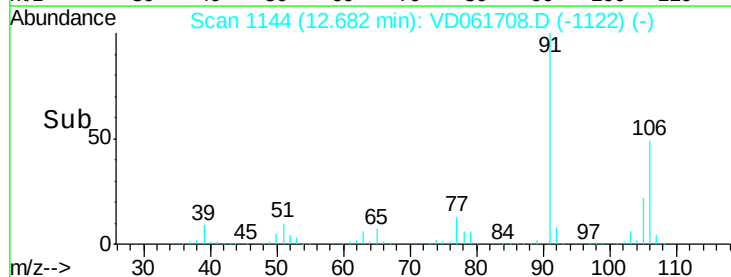
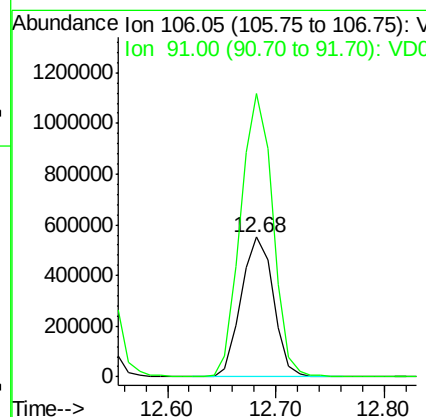
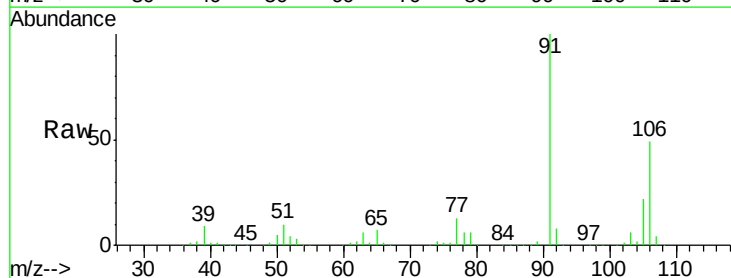
Instrument :
MSVOA_D
ClientSampled :

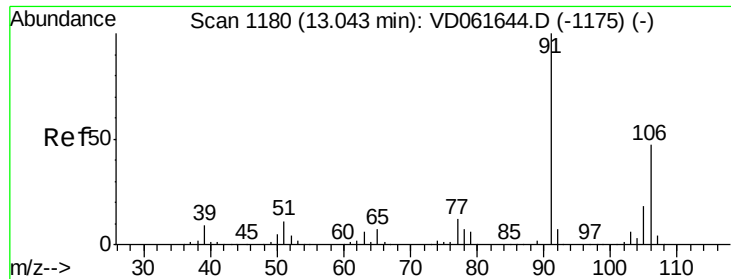
Tot Ion: 91 Resp: 1351512
Ion Ratio Lower Upper
91 100
106 29.8 24.6 37.0



#68
m/p-Xylenes
Concen: 98.864 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 106 Resp: 1138917
Ion Ratio Lower Upper
106 100
91 203.0 156.7 235.1

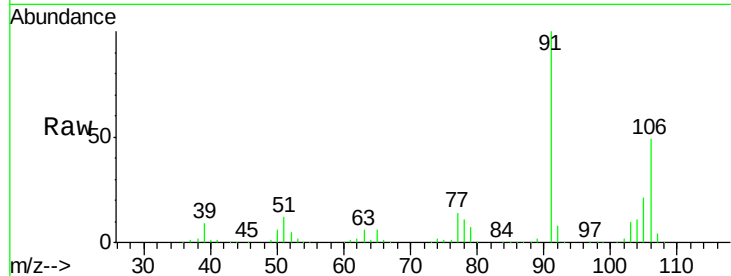




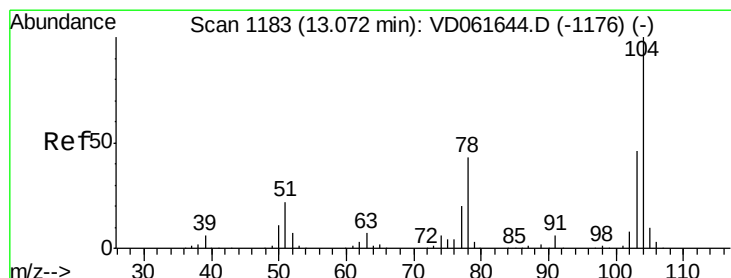
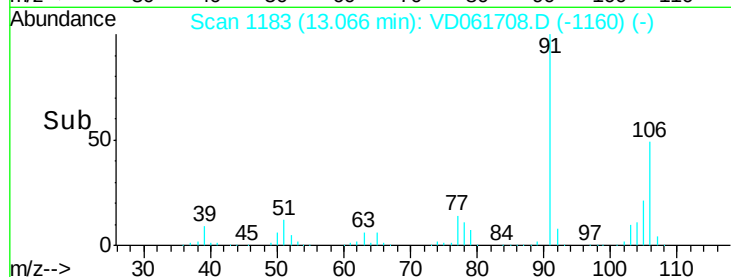
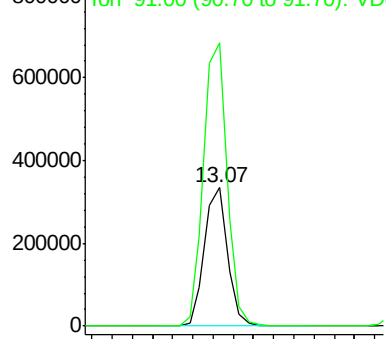
#69
o-Xylene
Concen: 47.890 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.02 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 532557
Ion Ratio Lower Upper
106 100
91 204.7 107.3 321.9

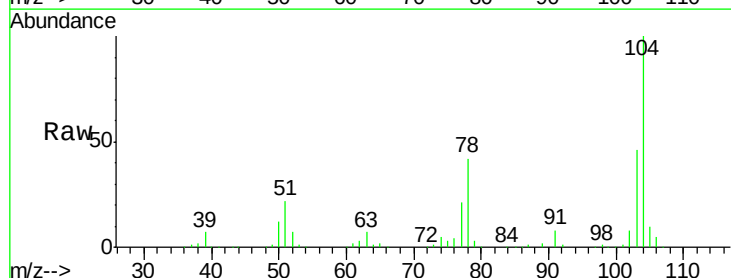


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

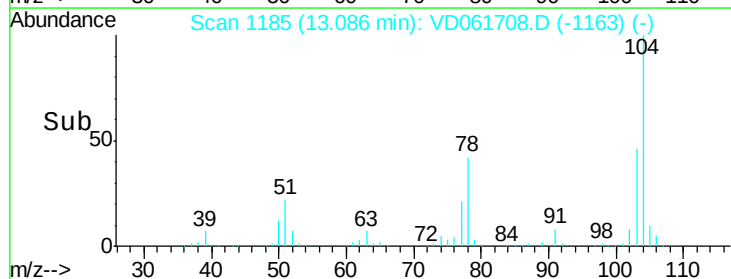
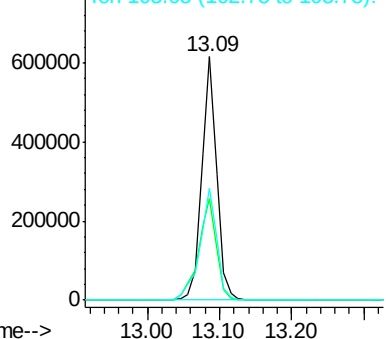


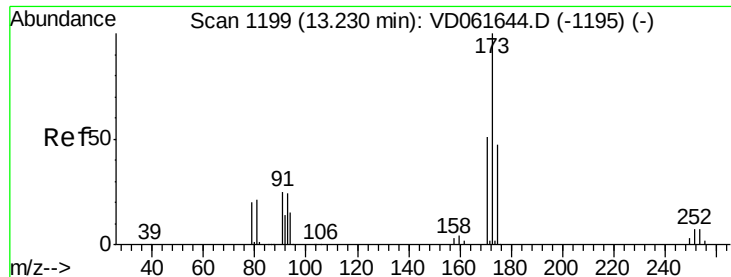
#70
Styrene
Concen: 46.651 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion:104 Resp: 885955
Ion Ratio Lower Upper
104 100
78 41.6 34.2 51.4
103 46.1 37.2 55.8



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





#71

Bromoform

Concen: 51.958 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampled :

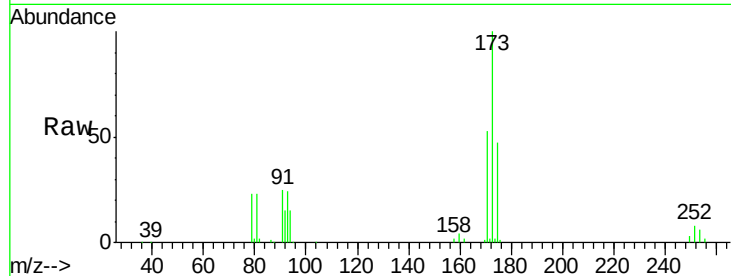
Tot Ion:173 Resp: 243428

Ion Ratio Lower Upper

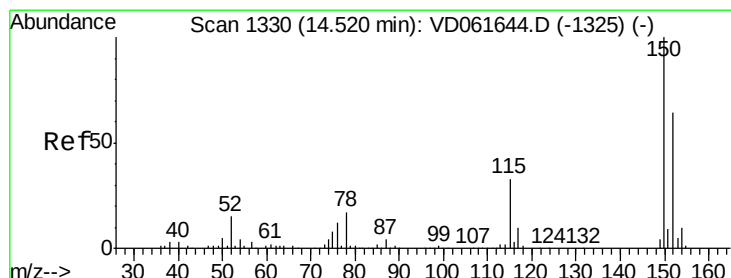
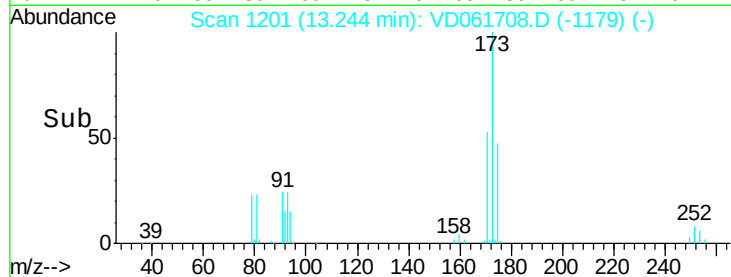
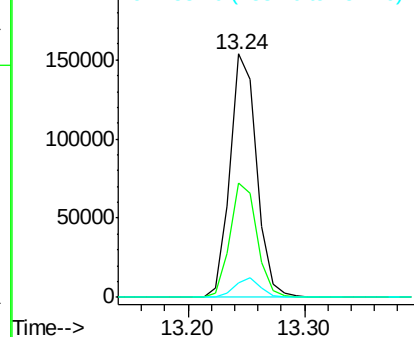
173 100

175 47.0 23.7 71.1

254 6.1 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: 14.53 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

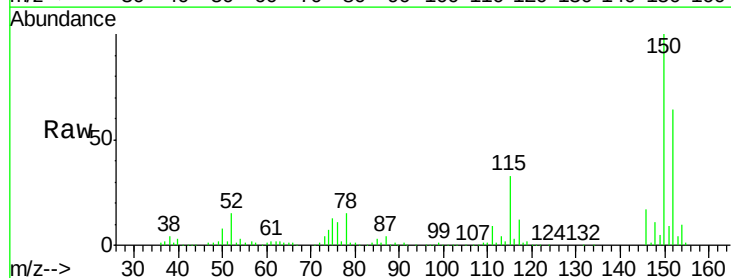
Tgt Ion:152 Resp: 438863

Ion Ratio Lower Upper

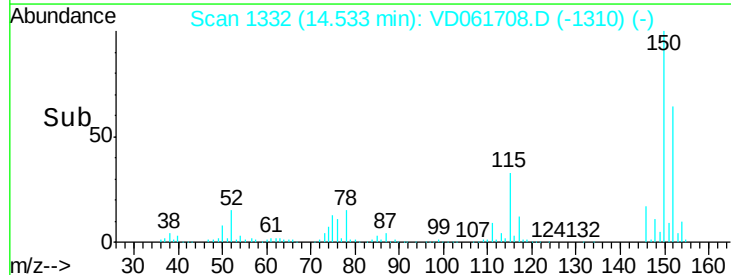
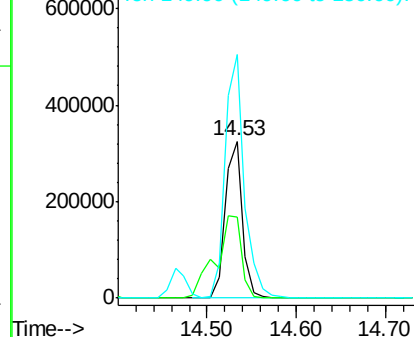
152 100

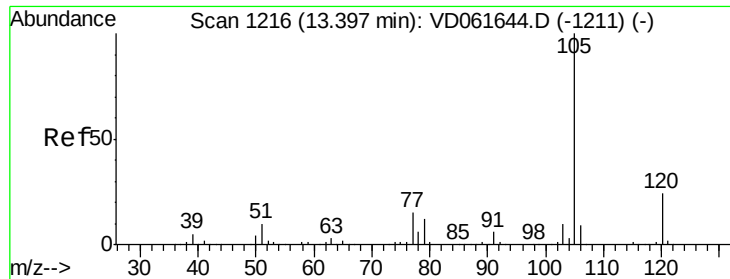
115 51.7 26.4 79.2

150 155.3 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: 50.079 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

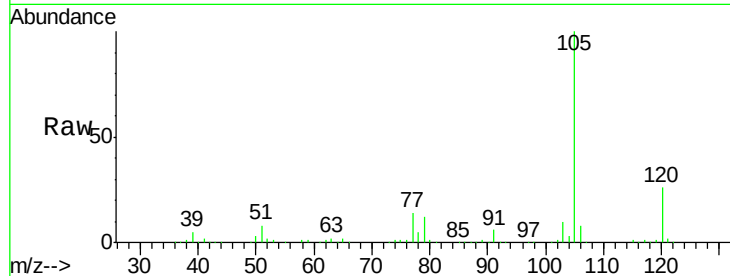
ClientSampled :

Tot Ion:105 Resp: 1464407

Ion Ratio Lower Upper

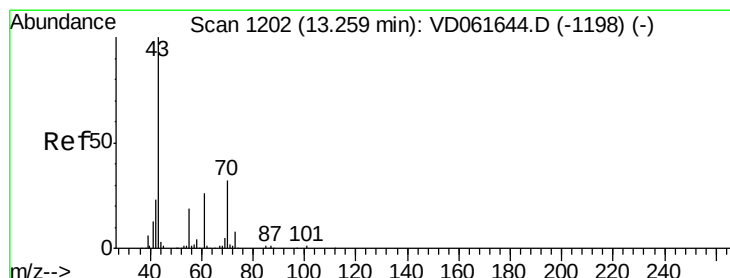
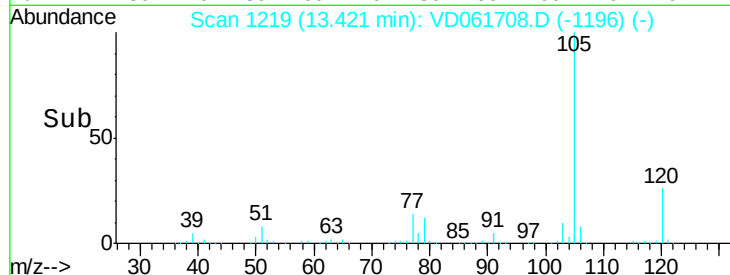
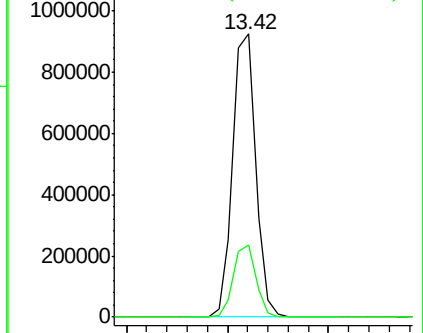
105 100

120 25.6 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.654 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Tgt Ion: 43 Resp: 386561

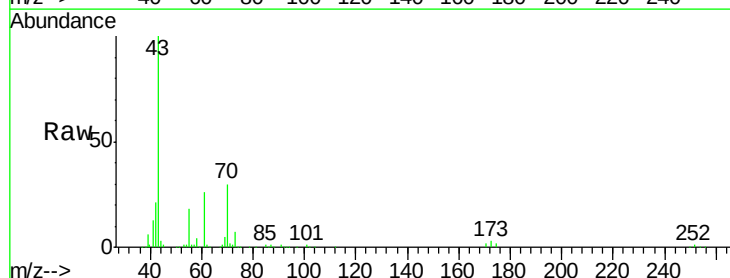
Ion Ratio Lower Upper

43 100

70 30.2 25.4 38.2

55 18.5 15.0 22.4

61 26.2 20.9 31.3

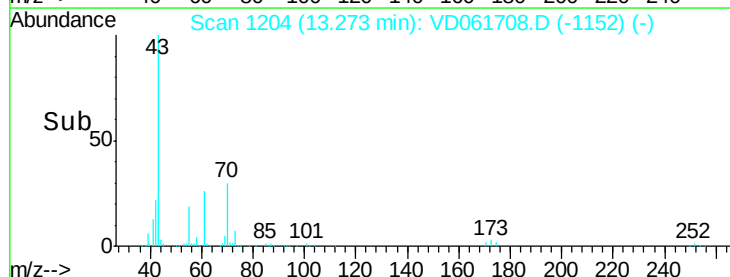
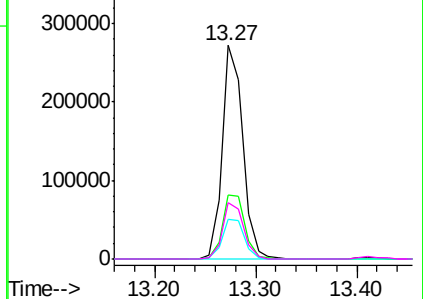


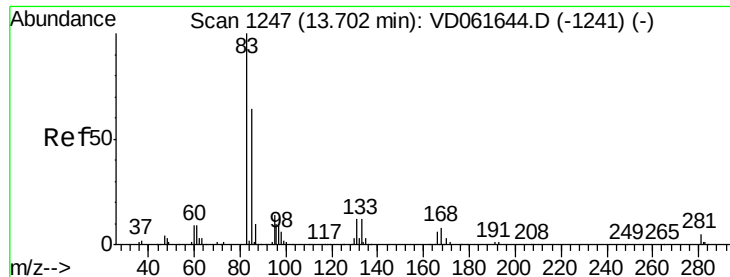
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 51.506 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampled :

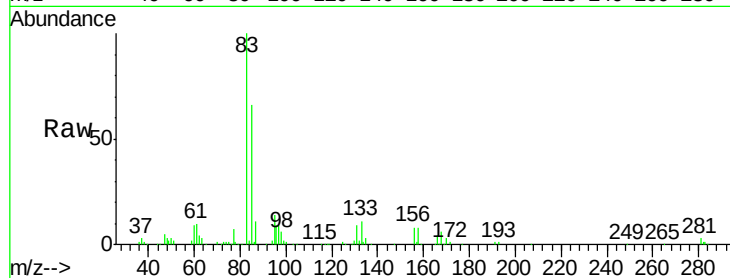
Tot Ion: 83 Resp: 311423

Ion Ratio Lower Upper

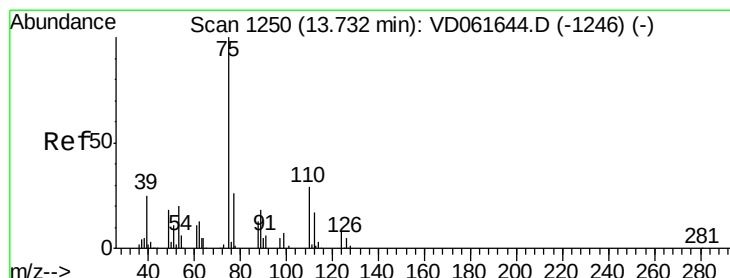
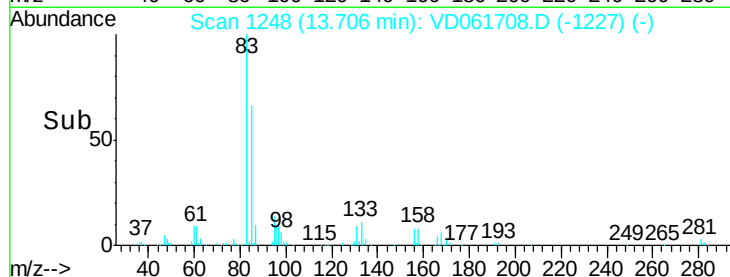
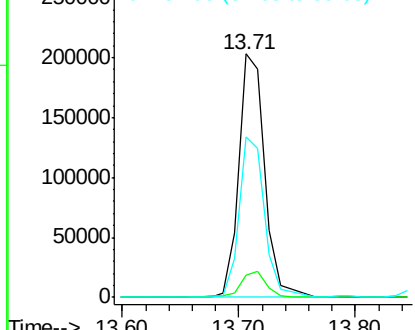
83 100

131 9.1 5.9 17.6

85 66.0 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: 49.288 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VD061708.D

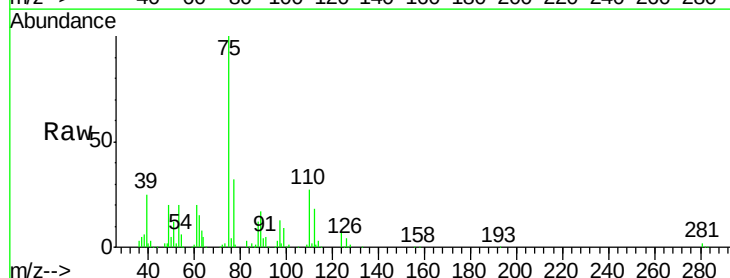
Acq: 10 Apr 2019 12:38

Tgt Ion: 75 Resp: 294287

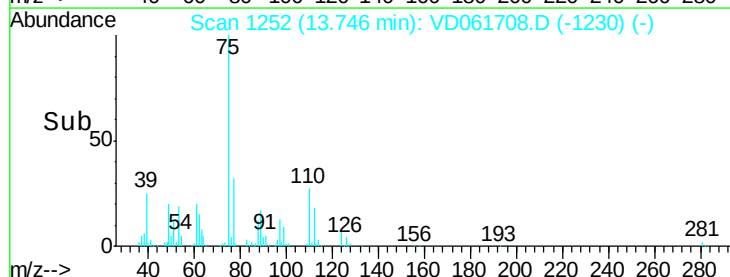
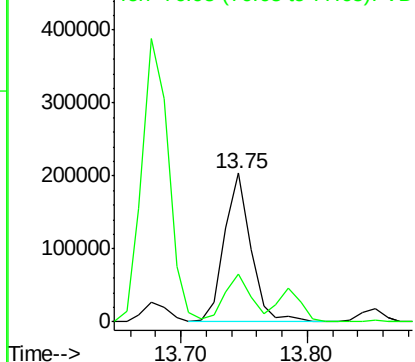
Ion Ratio Lower Upper

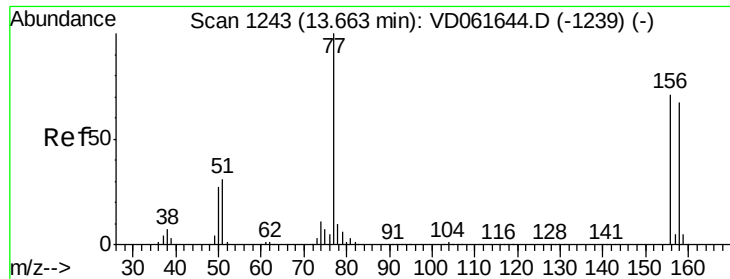
75 100

77 32.3 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: 53.131 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

ClientSampled :

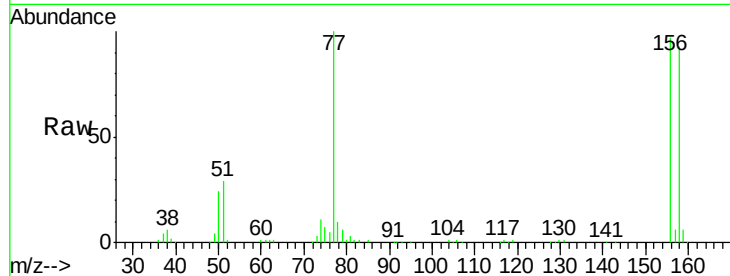
Tot Ion:156 Resp: 450973

Ion Ratio Lower Upper

156 100

77 103.5 70.3 210.8

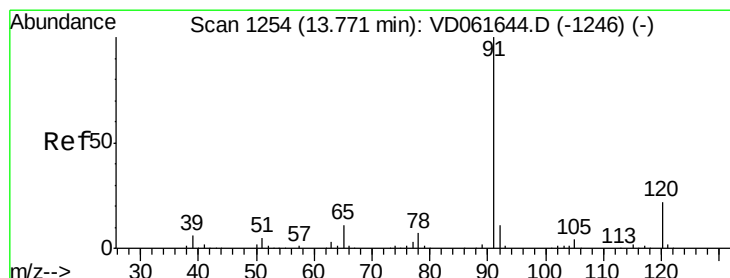
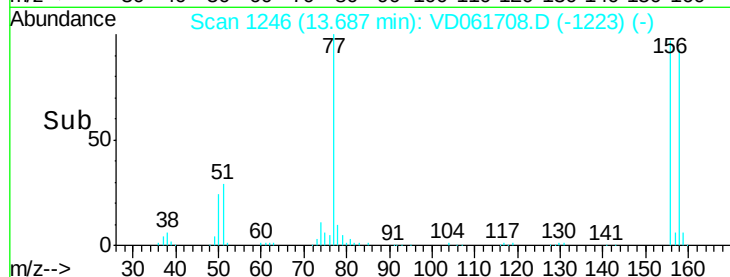
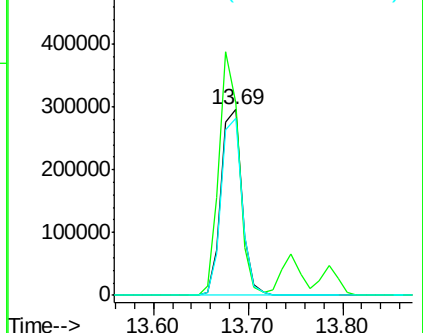
158 95.8 47.4 142.2



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: 47.873 ug/l

RT: 13.78 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VD061708.D

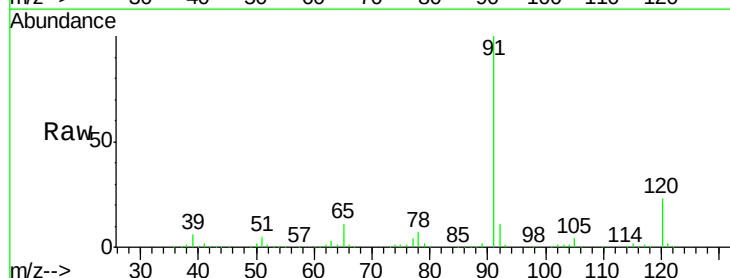
Acq: 10 Apr 2019 12:38

Tgt Ion: 91 Resp: 1674574

Ion Ratio Lower Upper

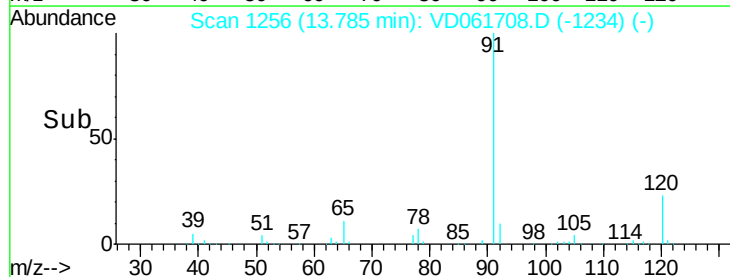
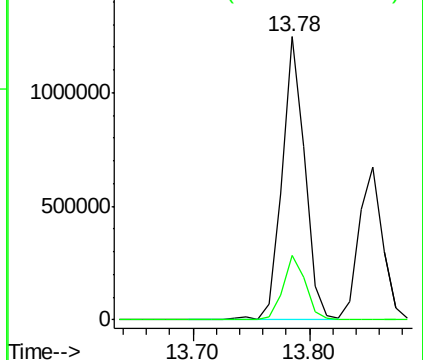
91 100

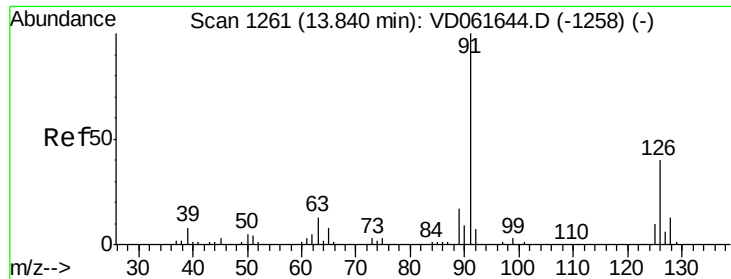
120 22.6 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

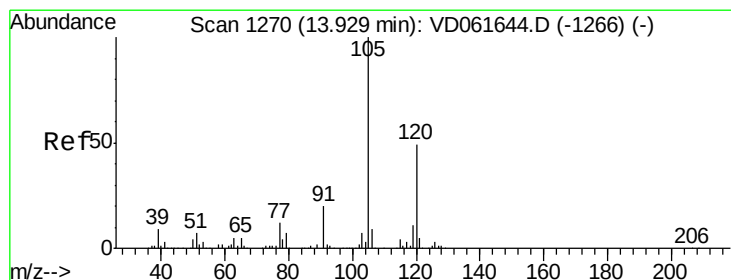
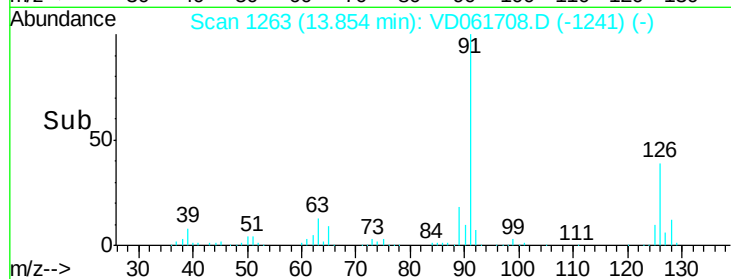
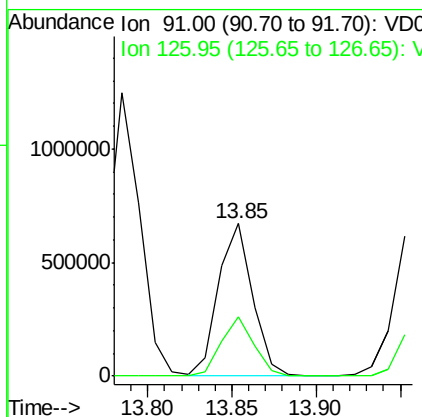
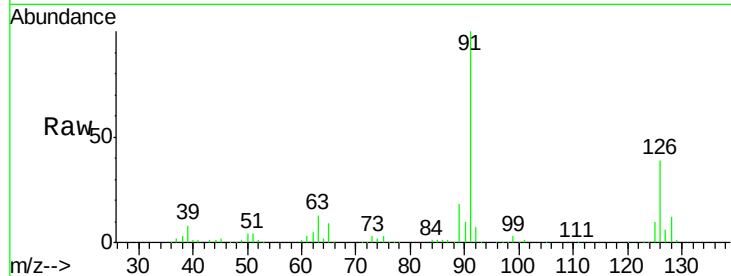




#79
 2-Chlorotoluene
 Concen: 47.010 ug/l
 RT: 13.85 min Scan# 1263
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

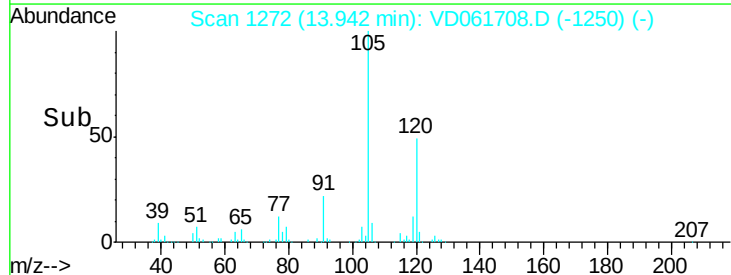
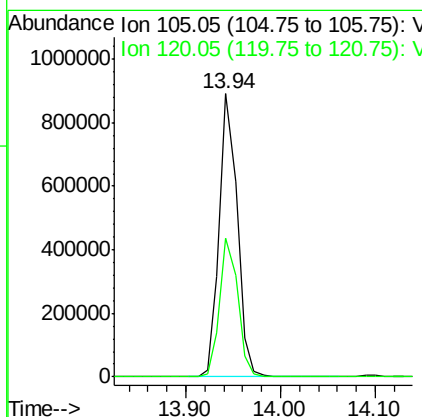
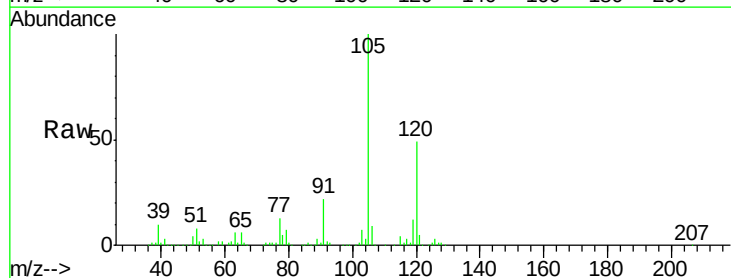
Instrument :
 MSVOA_D
 ClientSampleId :

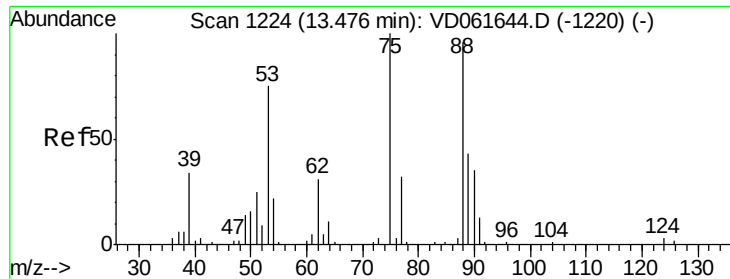
Tot Ion: 91 Resp: 940348
 Ion Ratio Lower Upper
 91 100
 126 38.8 20.0 59.9



#80
 1,3,5-Trimethylbenzene
 Concen: 50.756 ug/l
 RT: 13.94 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion:105 Resp: 1178031
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.4 73.2

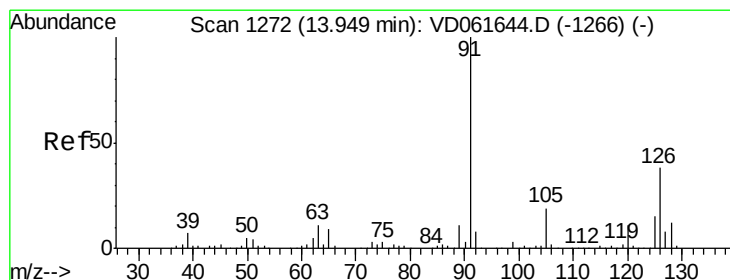
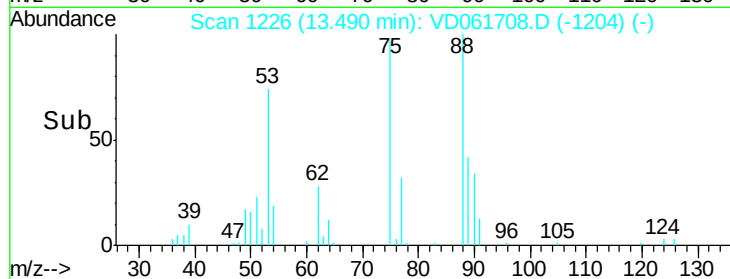
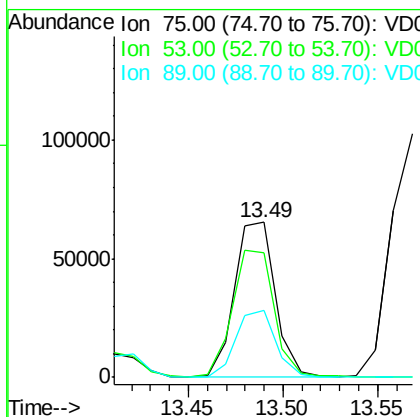
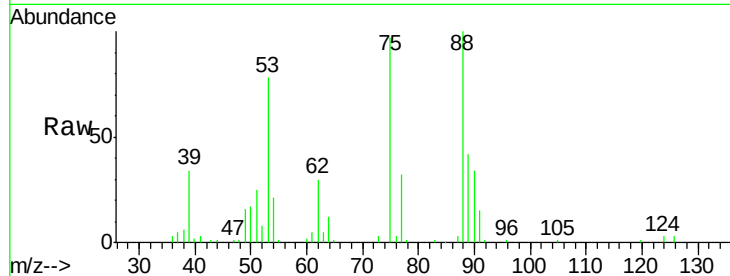




#81
trans-1,4-Dichloro-2-butene
Concen: 54.061 ug/l
RT: 13.49 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

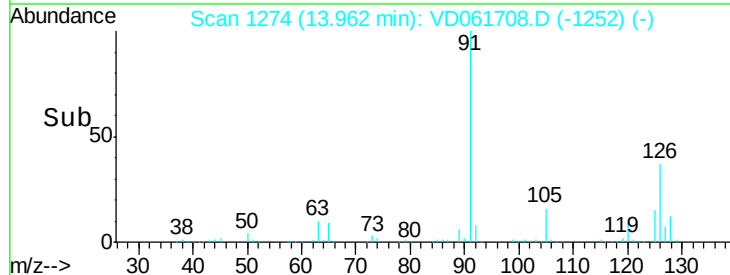
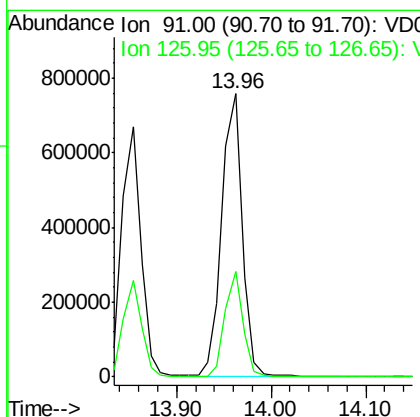
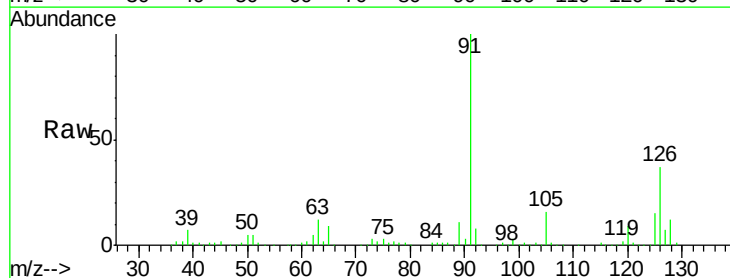
Instrument :
MSVOA_D
ClientSampled :

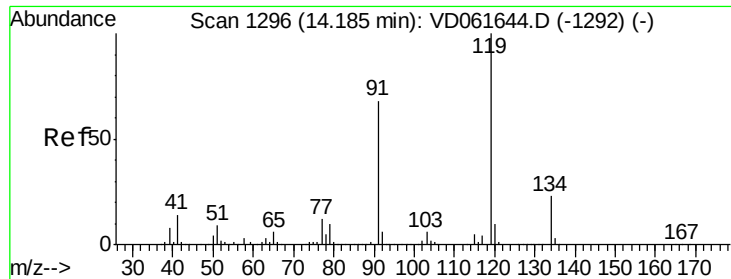
Tot Ion: 75 Resp: 97950
Ion Ratio Lower Upper
75 100
53 80.0 60.2 90.2
89 42.9 34.2 51.2



#82
4-Chlorotoluene
Concen: 51.969 ug/l
RT: 13.96 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 91 Resp: 1139115
Ion Ratio Lower Upper
91 100
126 37.5 19.0 57.0

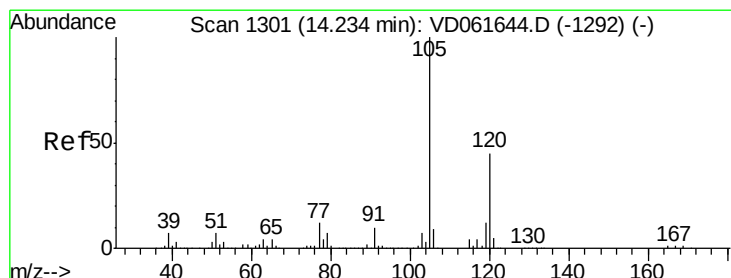
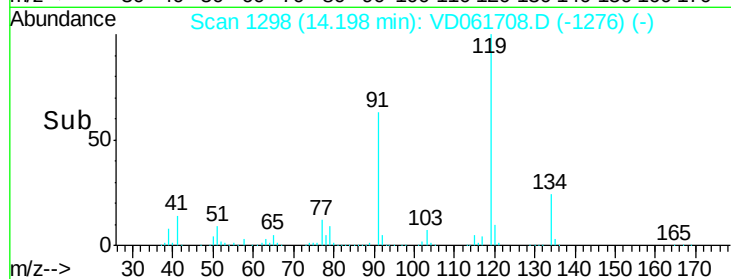
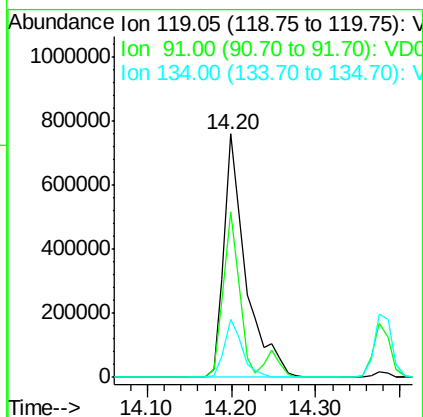
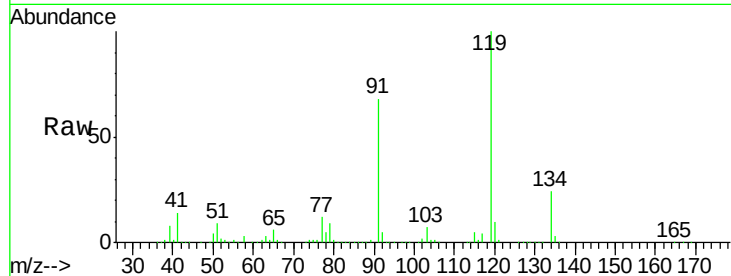




#83
 tert-Butylbenzene
 Concen: 49.351 ug/l
 RT: 14.20 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

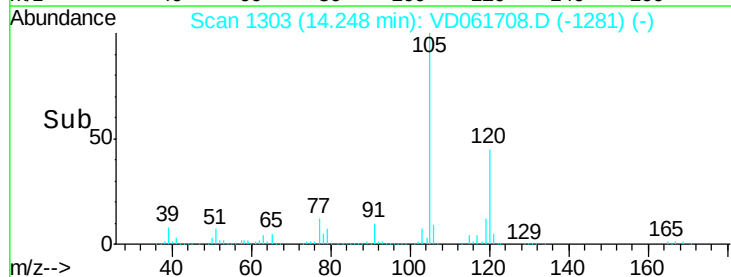
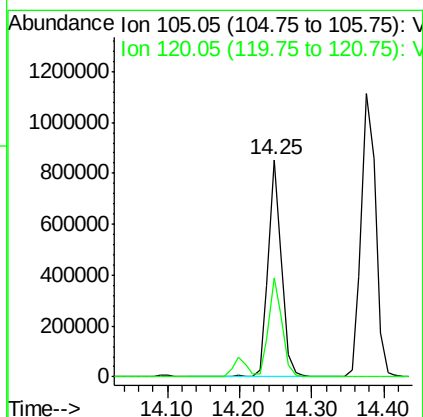
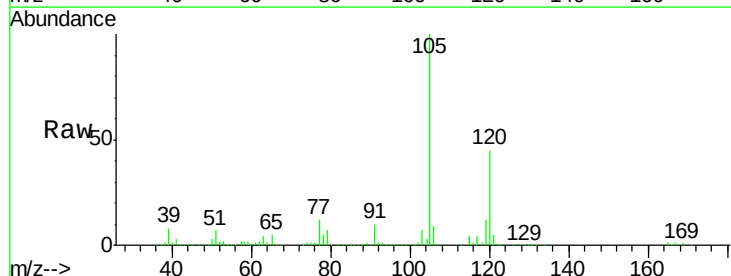
Instrument :
 MSVOA_D
 ClientSampleId :

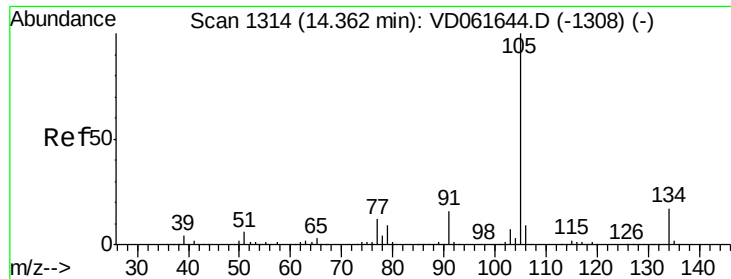
Tot Ion:119 Resp: 1381023
 Ion Ratio Lower Upper
 119 100
 91 67.8 33.9 101.6
 134 23.6 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 46.858 ug/l
 RT: 14.25 min Scan# 1303
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion:105 Resp: 1097625
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.6 67.8





#85

sec-Butylbenzene

Concen: 50.677 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

Instrument :

MSVOA_D

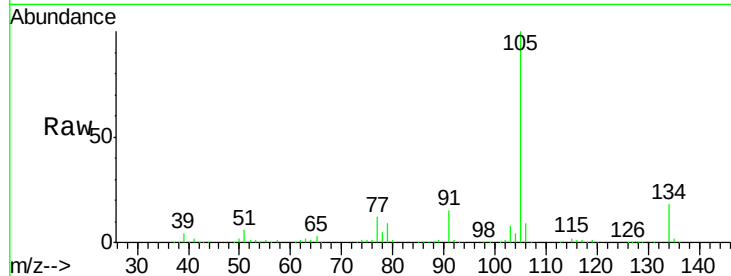
ClientSampleId :

Tot Ion:105 Resp: 1532184

Ion Ratio Lower Upper

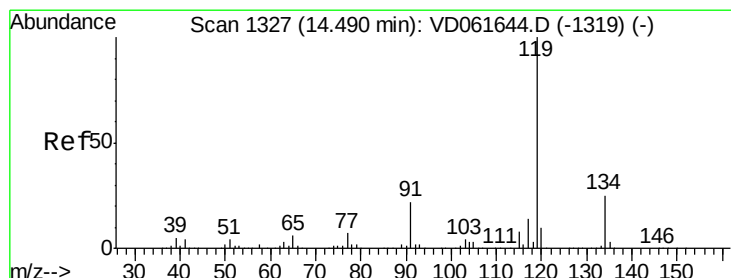
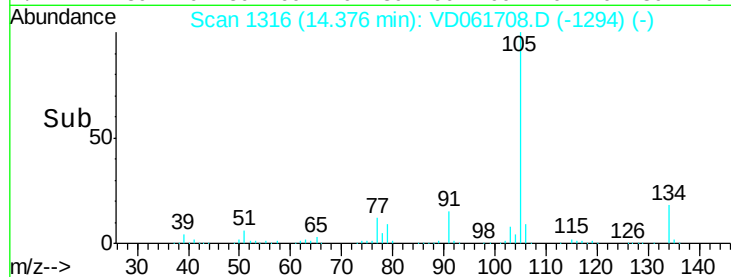
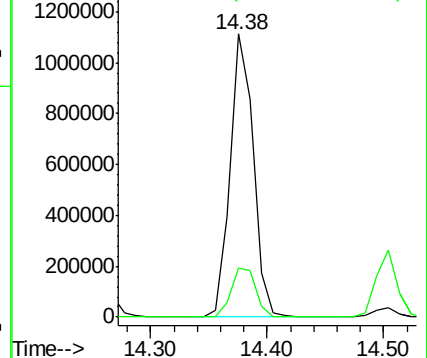
105 100

134 17.5 8.6 25.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 49.864 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.01 min

Lab File: VD061708.D

Acq: 10 Apr 2019 12:38

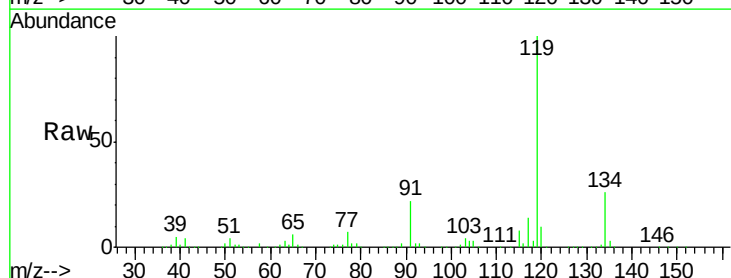
Tgt Ion:119 Resp: 1307856

Ion Ratio Lower Upper

119 100

134 25.6 12.5 37.5

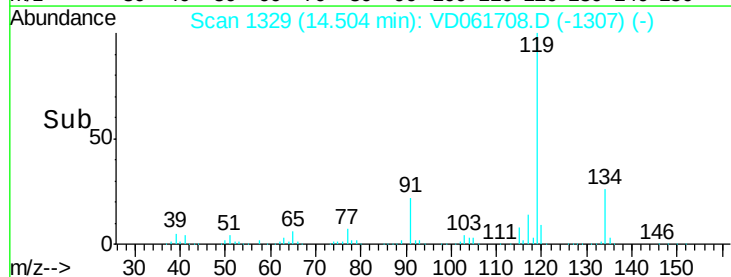
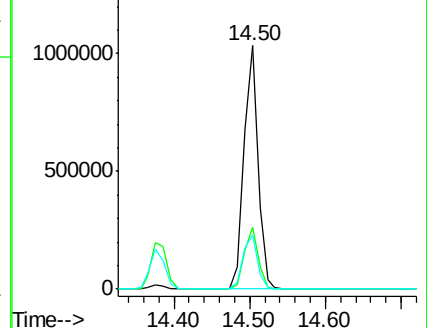
91 22.3 11.0 33.0

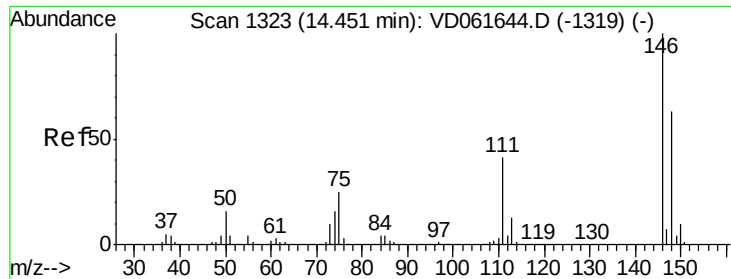


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

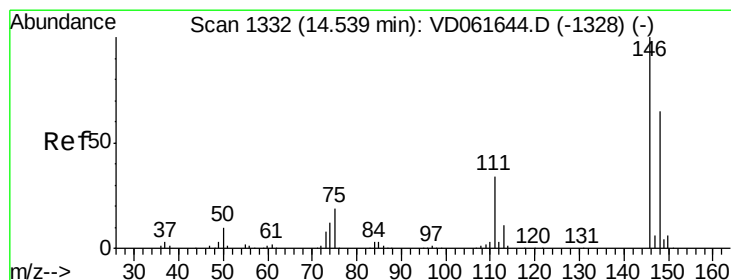
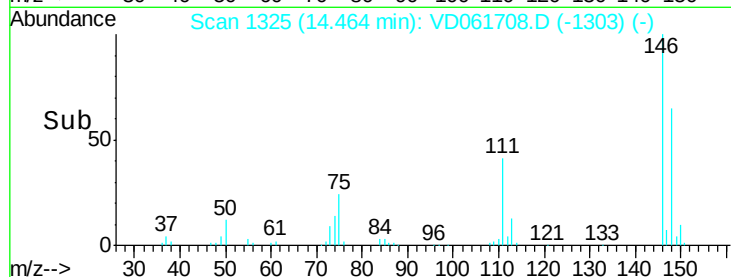
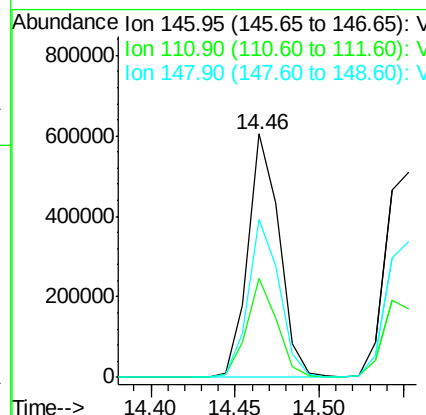
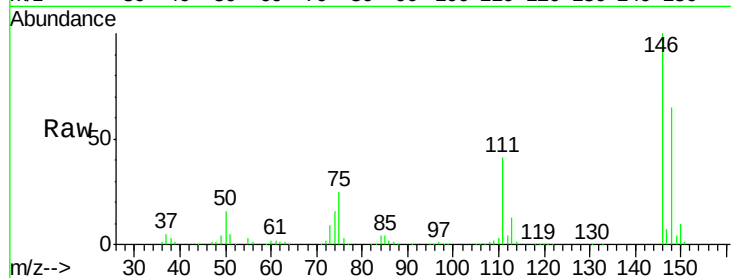




#87
 1,3-Dichlorobenzene
 Concen: 53.669 ug/l
 RT: 14.46 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

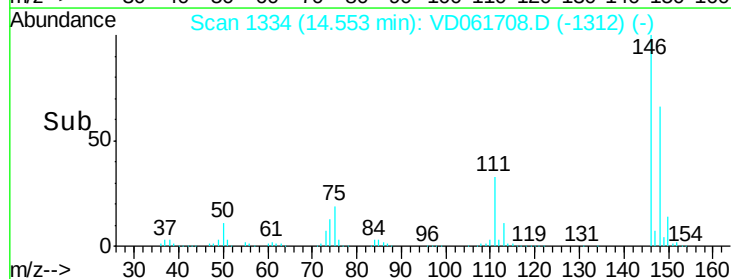
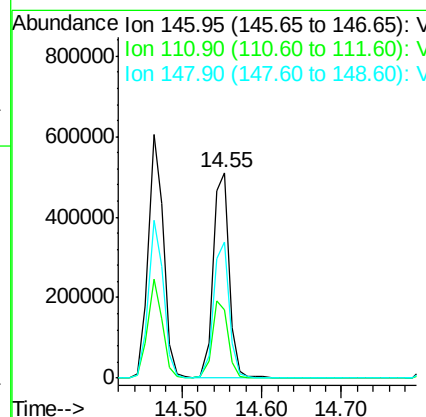
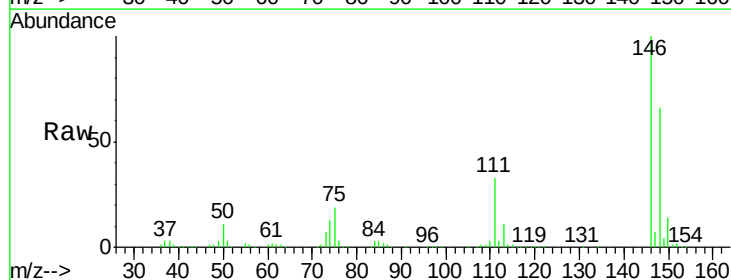
Instrument :
 MSVOA_D
 ClientSampleId :

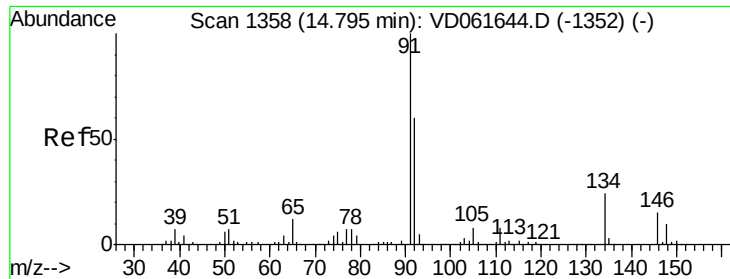
Tot Ion:146 Resp: 783974
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.3 61.0
 148 64.7 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 48.984 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion:146 Resp: 721970
 Ion Ratio Lower Upper
 146 100
 111 33.0 17.1 51.2
 148 66.3 32.6 97.7

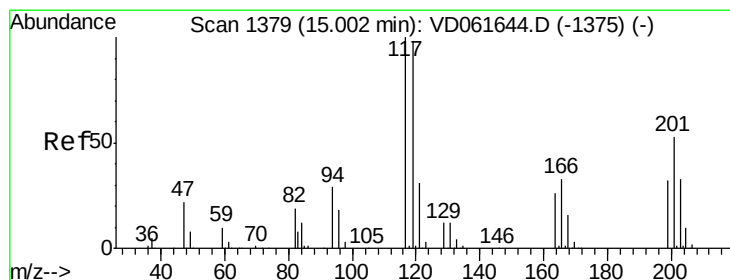
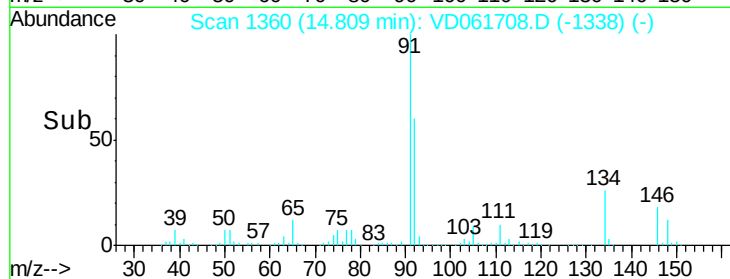
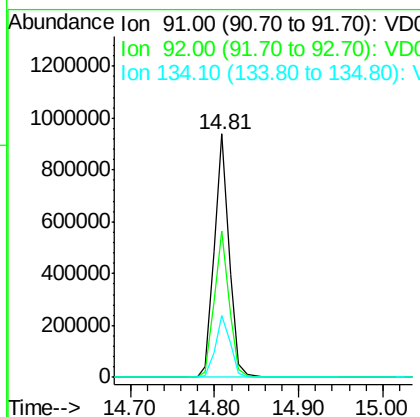
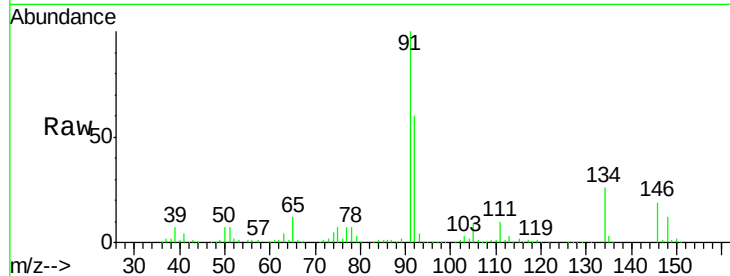




#89
n-Butylbenzene
Concen: 50.100 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

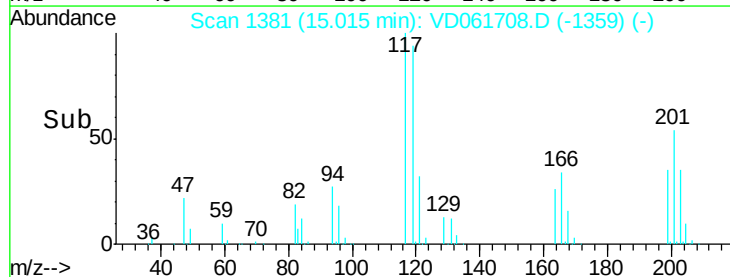
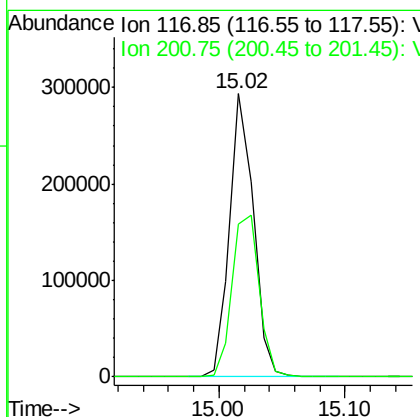
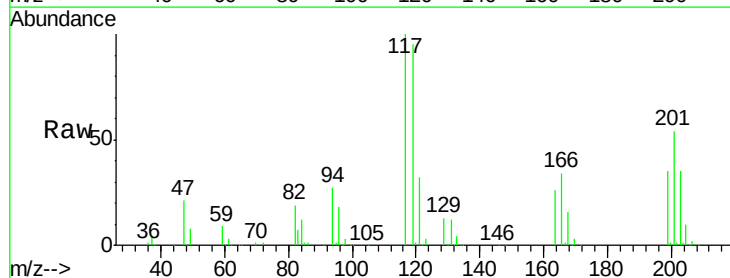
Instrument :
MSVOA_D
ClientSampleId :

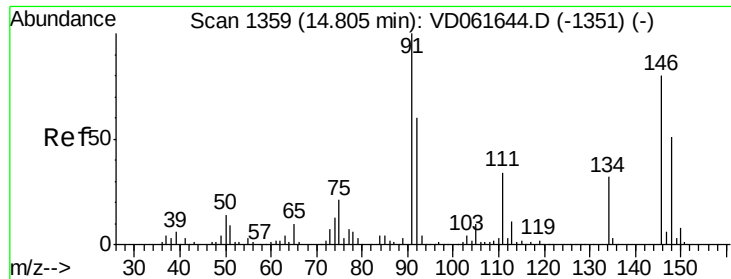
Tot Ion: 91 Resp: 1142156
Ion Ratio Lower Upper
91 100
92 59.9 29.8 89.4
134 25.6 12.2 36.4



#90
Hexachloroethane
Concen: 54.064 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion: 117 Resp: 384764
Ion Ratio Lower Upper
117 100
201 53.9 26.3 78.8

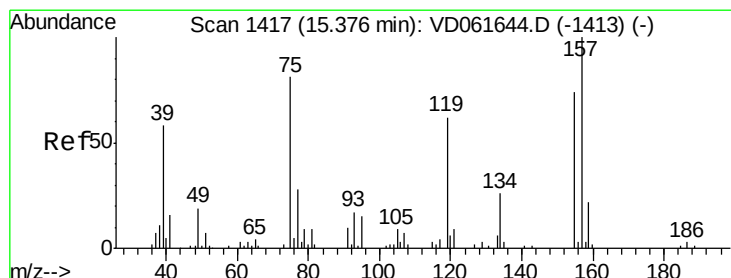
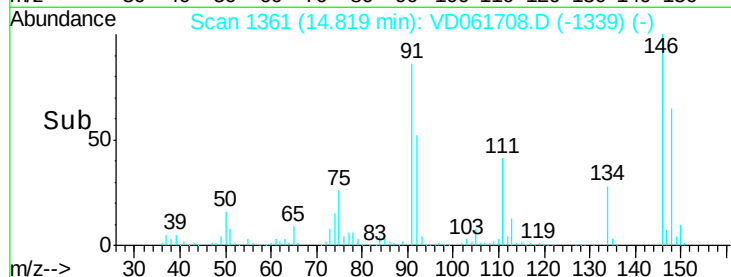
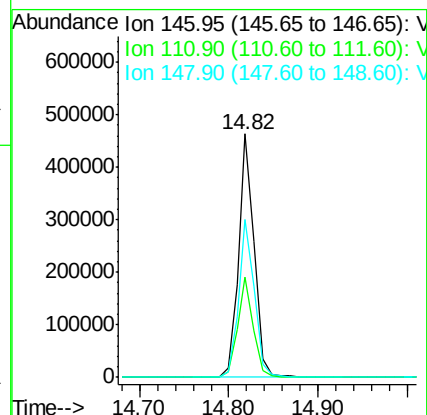
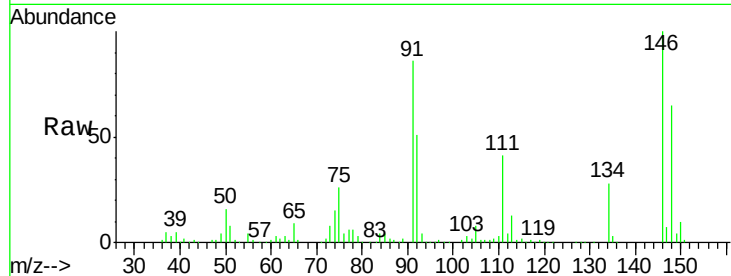




#91
 1,2-Dichlorobenzene
 Concen: 47.284 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

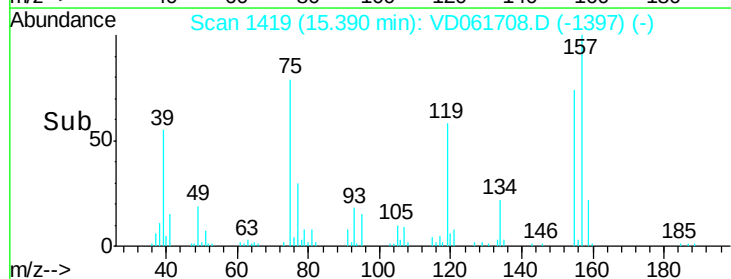
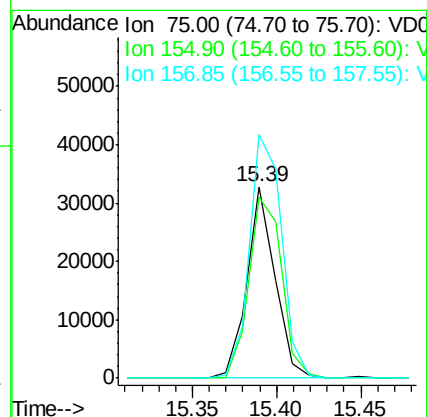
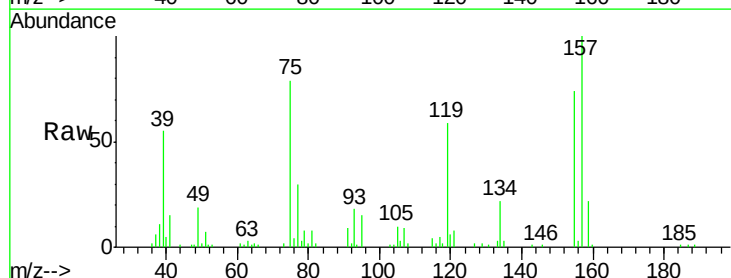
Instrument :
 MSVOA_D
 ClientSampleId :

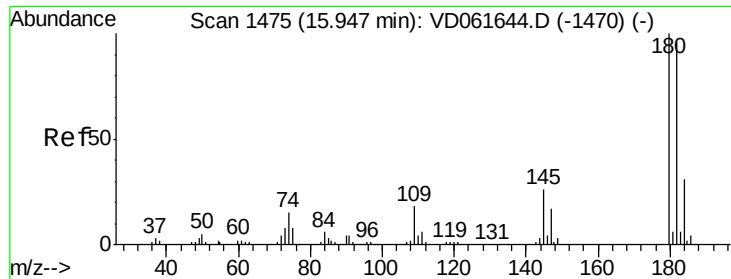
Tot Ion:146 Resp: 569266
 Ion Ratio Lower Upper
 146 100
 111 41.2 21.1 63.3
 148 64.7 31.7 95.1



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.777 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion: 75 Resp: 37778
 Ion Ratio Lower Upper
 75 100
 155 94.4 45.6 136.7
 157 127.2 61.4 184.2

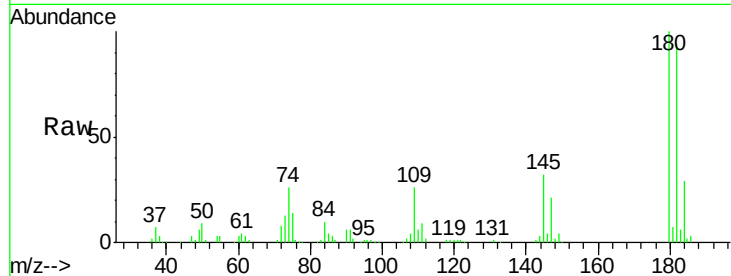




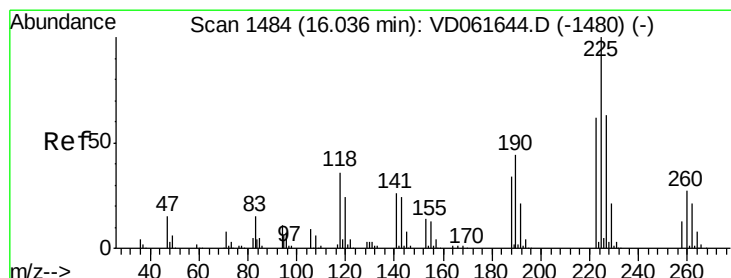
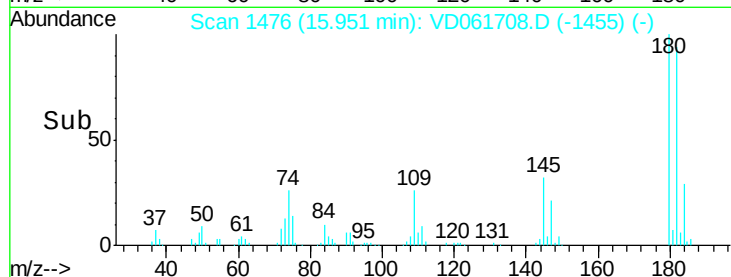
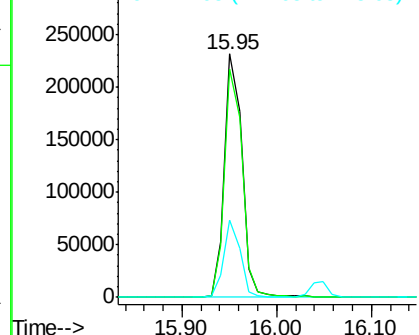
#93
 1,2,4-Trichlorobenzene
 Concen: 48.756 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.00 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.8	143.3
145	32.0	13.3	39.8

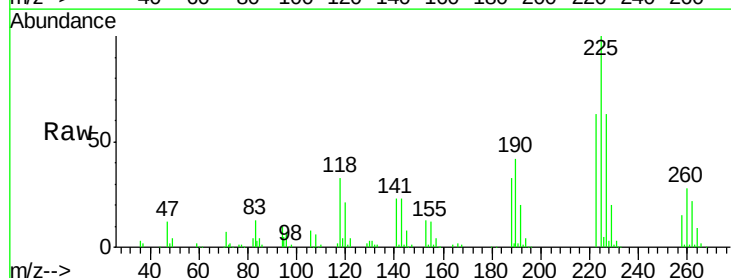


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

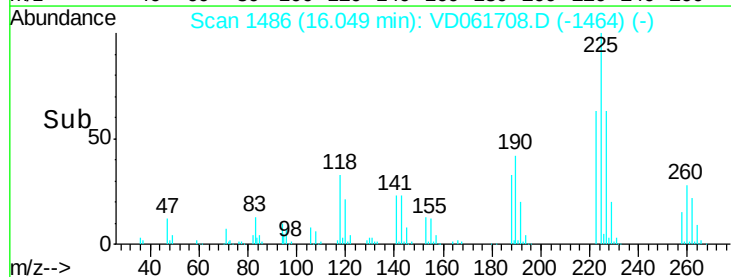
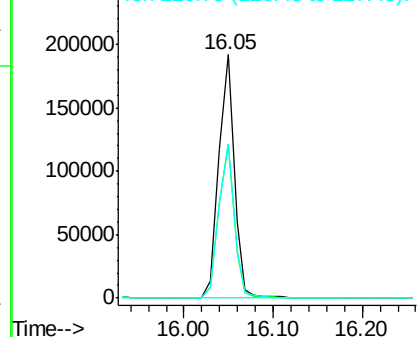


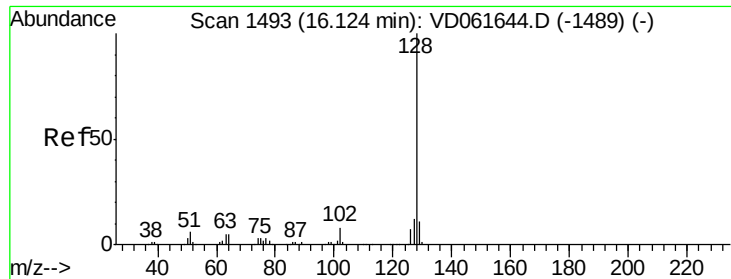
#94
 Hexachlorobutadiene
 Concen: 49.657 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.01 min
 Lab File: VD061708.D
 Acq: 10 Apr 2019 12:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.8	92.3
227	63.2	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

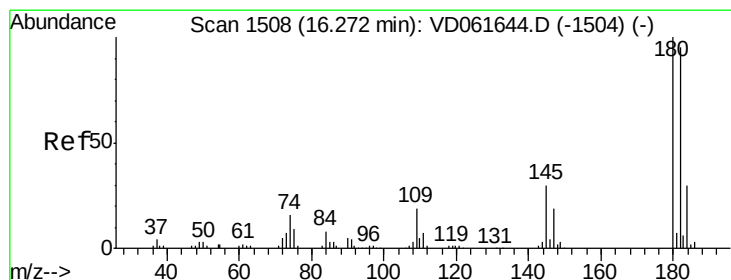
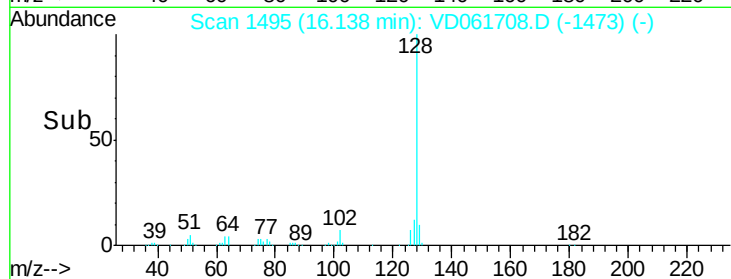
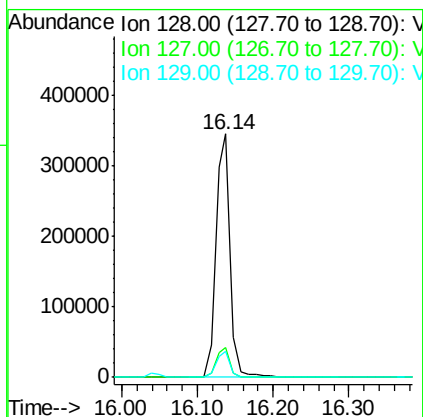
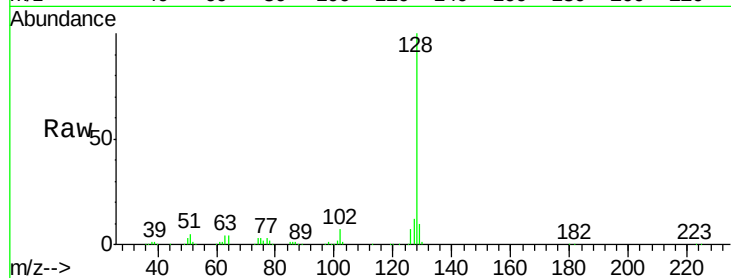




#95
Naphthalene
Concen: 47.190 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 457992
Ion Ratio Lower Upper
128 100
127 12.3 9.4 14.2
129 10.5 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 46.440 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VD061708.D
Acq: 10 Apr 2019 12:38

Tgt Ion:180 Resp: 142163
Ion Ratio Lower Upper
180 100
182 98.0 47.3 142.0
145 36.1 15.1 45.3

