

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062418\
 Data File : VD058383.D
 Acq On : 24 Jun 2018 20:36
 Operator : VA/AP
 Sample : VD0624SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 04:05:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	806129	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.70	114	1050842	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.70	117	855686	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	440978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.02	65	474231	58.24	ug/l	0.01
Spiked Amount	50.000		Recovery	=	116.48%	
35) Dibromofluoromethane	5.56	113	492580	57.59	ug/l	0.01
Spiked Amount	50.000		Recovery	=	115.18%	
50) Toluene-d8	8.72	98	1134379	54.82	ug/l	0.01
Spiked Amount	50.000		Recovery	=	109.64%	
62) 4-Bromofluorobenzene	11.94	95	472940	55.95	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.34	85	198271	24.150	ug/l	100
3) Chloromethane	1.49	50	104566	27.788	ug/l	99
4) Vinyl Chloride	1.55	62	101177	23.959	ug/l	97
5) Bromomethane	1.79	94	34105	21.556	ug/l	99
6) Chloroethane	1.88	64	33617	20.398	ug/l	89
7) Trichlorofluoromethane	2.08	101	134463	23.222	ug/l	93
8) Diethyl Ether	2.34	74	31268	25.531	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.56	101	86886	23.604	ug/l	96
10) Methyl Iodide	2.70	142	91461	21.844	ug/l	98
11) Tert butyl alcohol	3.27	59	25881	96.372	ug/l #	90
12) 1,1-Dichloroethene	2.54	96	65487	23.646	ug/l	92
13) Acrolein	2.47	56	15796	103.035	ug/l	98
14) Allyl chloride	2.92	41	154972	24.042	ug/l	99
15) Acrylonitrile	3.37	53	91729	128.818	ug/l	90
16) Acetone	2.62	43	123971	111.329	ug/l #	91
17) Carbon Disulfide	2.76	76	205765	21.837	ug/l	96
18) Methyl Acetate	2.93	43	53231	22.415	ug/l	93
19) Methyl tert-butyl Ether	3.41	73	242089	32.957	ug/l	99
20) Methylene Chloride	3.07	84	76610	23.862	ug/l	96
21) trans-1,2-Dichloroethene	3.39	96	85652	28.298	ug/l	89
22) Diisopropyl ether	4.07	45	572175	22.350	ug/l	98
23) Vinyl Acetate	4.03	43	1487292	108.374	ug/l	100
24) 1,1-Dichloroethane	3.98	63	314200	22.781	ug/l	97
25) 2-Butanone	4.84	43	245768	101.264	ug/l	98
26) 2,2-Dichloropropane	4.80	77	251001	21.734	ug/l	95
27) cis-1,2-Dichloroethene	4.81	96	189925	25.110	ug/l	90
28) Bromochloromethane	5.15	49	123754	20.016	ug/l	95
29) Tetrahydrofuran	5.20	42	132330	102.435	ug/l	98
30) Chloroform	5.32	83	339952	23.347	ug/l	100
31) Cyclohexane	5.60	56	249634	22.002	ug/l	94
32) 1,1,1-Trichloroethane	5.51	97	282019	23.442	ug/l	97
36) 1,1-Dichloropropene	5.75	75	233673	22.478	ug/l	98
37) Ethyl Acetate	4.93	43	130332	22.004	ug/l #	94
38) Carbon Tetrachloride	5.73	117	238515	23.091	ug/l	98

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Quant Time: Jun 25 04:05:58 2018
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 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.29	83	235913	23.299	ug/l	92
40) Benzene	6.02	78	547489	22.109	ug/l	99
41) Methacrylonitrile	5.14	41	58149	20.331	ug/l	96
42) 1,2-Dichloroethane	6.13	62	234827	23.518	ug/l	99
43) Isopropyl Acetate	7.63	43	161886	20.501	ug/l #	97
44) Trichloroethene	6.99	130	182113	24.491	ug/l	99
45) 1,2-Dichloropropane	7.35	63	154912	23.228	ug/l	100
46) Dibromomethane	7.47	93	101296	22.250	ug/l	97
47) Bromodichloromethane	7.75	83	226262	21.794	ug/l	96
48) Methyl methacrylate	7.51	41	101083	21.062	ug/l	96
49) 1,4-Dioxane	7.50	88	18133	418.560	ug/l #	87
51) 4-Methyl-2-Pentanone	8.61	43	563285	109.361	ug/l	99
52) Toluene	8.81	92	310732	22.037	ug/l	94
53) t-1,3-Dichloropropene	9.19	75	197184	21.846	ug/l	96
54) cis-1,3-Dichloropropene	8.37	75	228116	21.557	ug/l	96
55) 1,1,2-Trichloroethane	9.46	97	113066	22.664	ug/l	97
56) Ethyl methacrylate	9.32	69	125215	20.987	ug/l	96
57) 1,3-Dichloropropane	9.68	76	184591	21.966	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.20	63	363977	123.230	ug/l	91
59) 2-Hexanone	9.79	43	401799	107.958	ug/l	98
60) Dibromochloromethane	9.97	129	160153	23.655	ug/l	97
61) 1,2-Dibromoethane	10.10	107	124589	22.818	ug/l	99
64) Tetrachloroethene	9.52	164	183978	25.553	ug/l	95
65) Chlorobenzene	10.73	112	395520	24.711	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.86	131	141944	22.980	ug/l	97
67) Ethyl Benzene	10.87	91	666332	23.581	ug/l	98
68) m/p-Xylenes	11.01	106	438483	46.532	ug/l	100
69) o-Xylene	11.41	106	212765	23.640	ug/l	100
70) Styrene	11.44	104	356518	23.214	ug/l	98
71) Bromoform	11.61	173	112174	22.765	ug/l	98
73) Isopropylbenzene	11.78	105	627539	23.791	ug/l	99
74) N-amyl acetate	11.65	43	212258	20.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	136583	22.251	ug/l	94
76) 1,2,3-Trichloropropane	12.12	75	144577	22.455	ug/l	98
77) Bromobenzene	12.05	156	190727	24.147	ug/l	94
78) n-propylbenzene	12.16	91	810193	23.785	ug/l	98
79) 2-Chlorotoluene	12.23	91	466457	23.930	ug/l	94
80) 1,3,5-Trimethylbenzene	12.32	105	513541	24.962	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	29407	18.727	ug/l	88
82) 4-Chlorotoluene	12.33	91	536975	25.615	ug/l	97
83) tert-Butylbenzene	12.58	119	553689	23.409	ug/l	95
84) 1,2,4-Trimethylbenzene	12.63	105	530563	23.725	ug/l	98
85) sec-Butylbenzene	12.77	105	646637	23.323	ug/l	95
86) p-Isopropyltoluene	12.89	119	536834	23.894	ug/l	94
87) 1,3-Dichlorobenzene	12.85	146	317751	23.145	ug/l	95
88) 1,4-Dichlorobenzene	12.93	146	323180	24.107	ug/l	98
89) n-Butylbenzene	13.20	91	561052	23.761	ug/l	97
90) Hexachloroethane	13.41	117	134051	22.988	ug/l	84
91) 1,2-Dichlorobenzene	13.20	146	284804	24.378	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.78	75	20450	20.934	ug/l	80

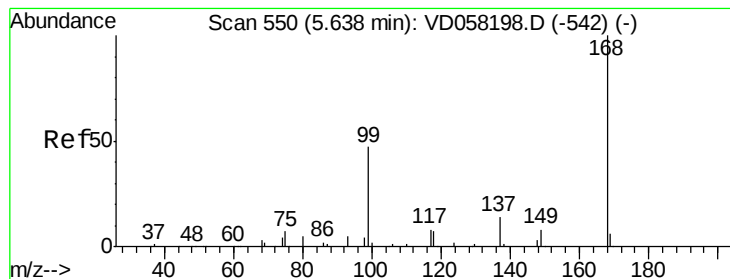
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD062418\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	259561	23.230	µg/l	98
94) Hexachlorobutadiene	14.44	225	202228	23.139	µg/l	99
95) Naphthalene	14.52	128	338438	22.994	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	226802	23.186	µg/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

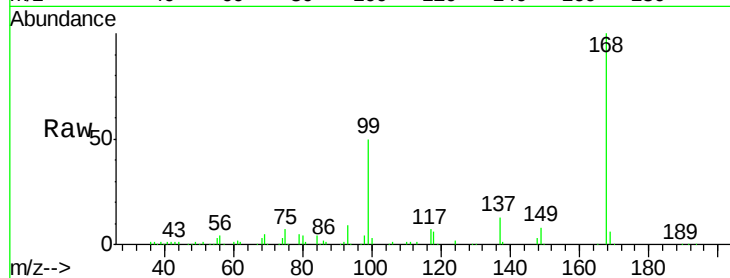
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 806129

Ion Ratio Lower Upper

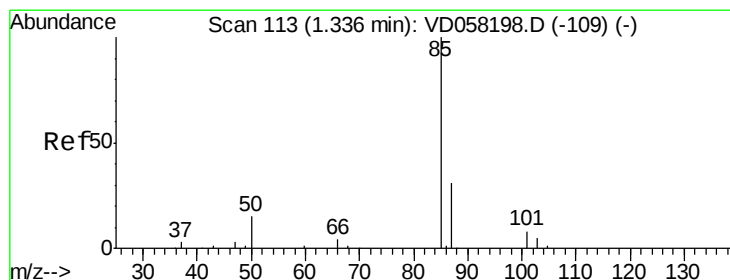
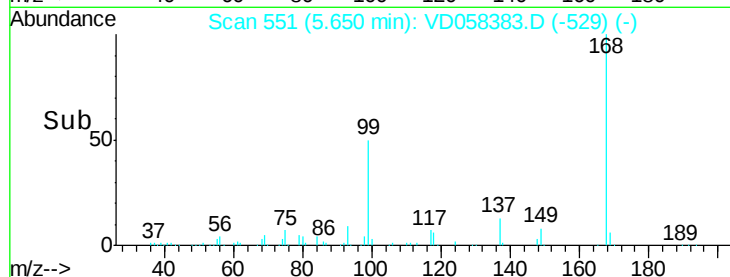
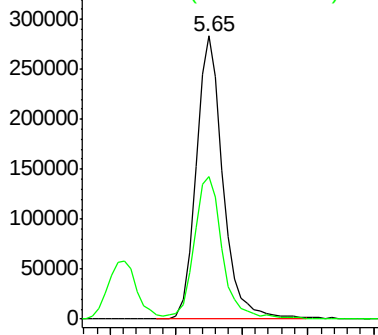
168 100

99 50.4 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 24.150 ug/l

RT: 1.34 min Scan# 113

Delta R.T. 0.00 min

Lab File: VD058383.D

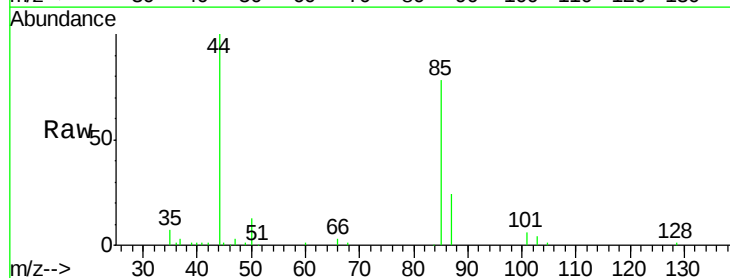
Acq: 24 Jun 2018 20:36

Tgt Ion: 85 Resp: 198271

Ion Ratio Lower Upper

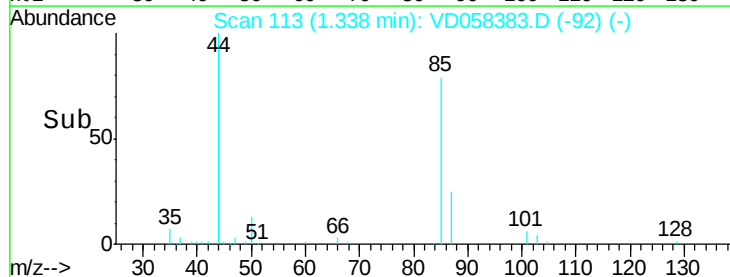
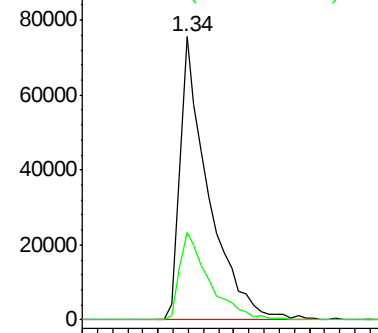
85 100

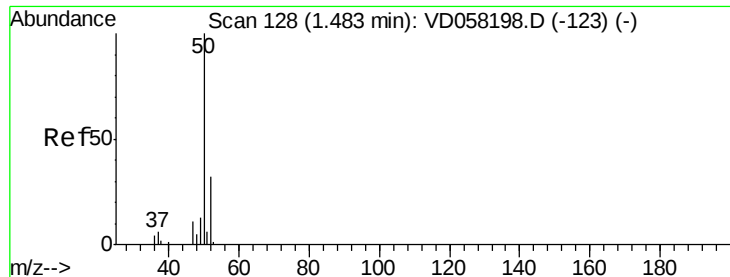
87 31.1 15.7 47.0



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 27.788 ug/l

RT: 1.49 min Scan# 128

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

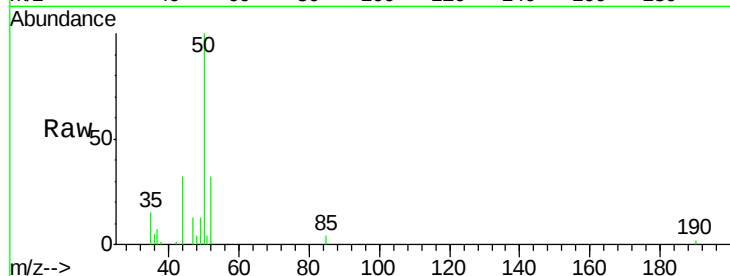
ClientSampleId :

Tot Ion: 50 Resp: 104566

Ion Ratio Lower Upper

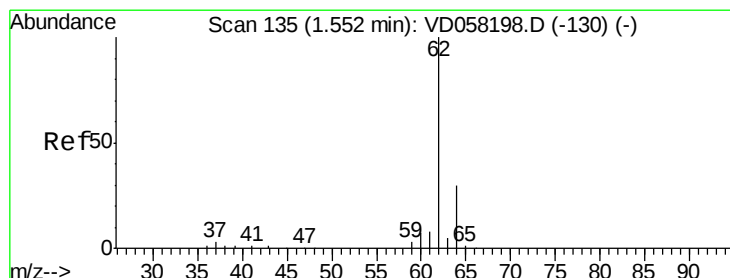
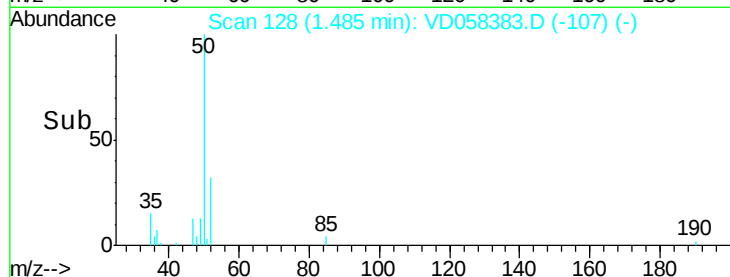
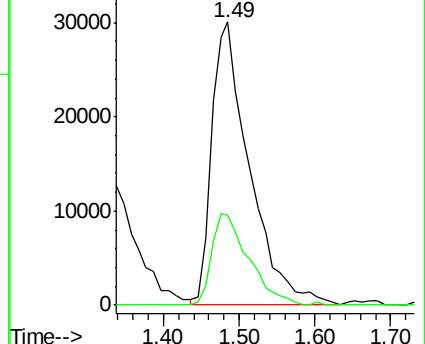
50 100

52 31.9 25.0 37.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.959 ug/l

RT: 1.55 min Scan# 135

Delta R.T. 0.00 min

Lab File: VD058383.D

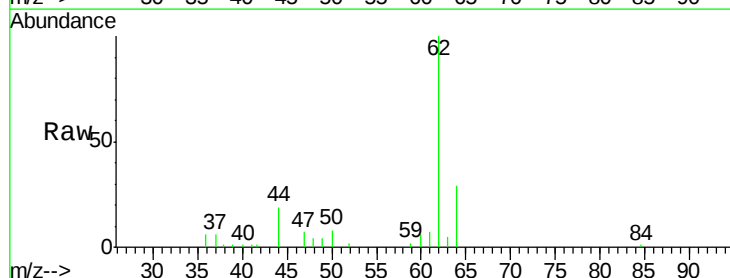
Acq: 24 Jun 2018 20:36

Tgt Ion: 62 Resp: 101177

Ion Ratio Lower Upper

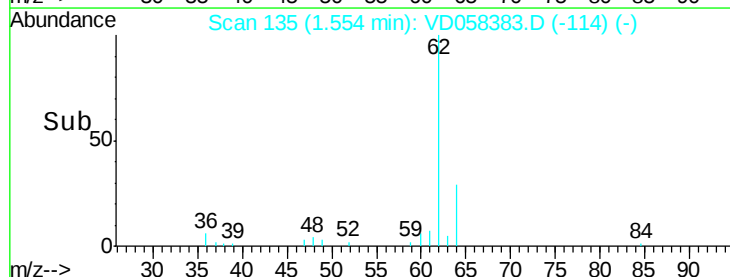
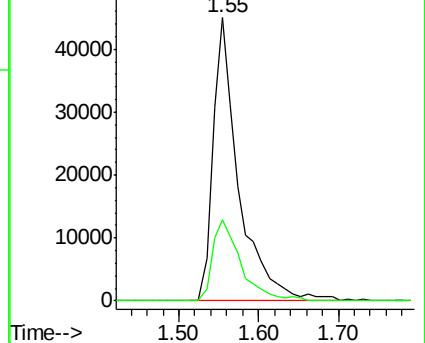
62 100

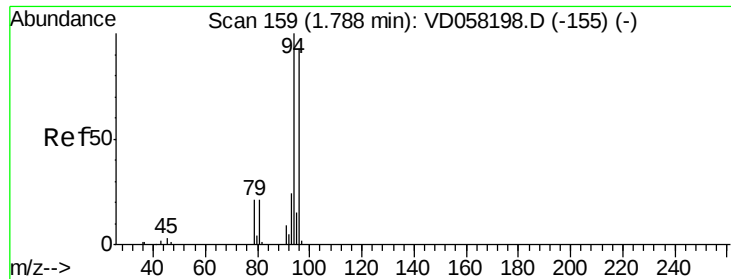
64 28.9 24.4 36.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 21.556 ug/l

RT: 1.79 min Scan# 159

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

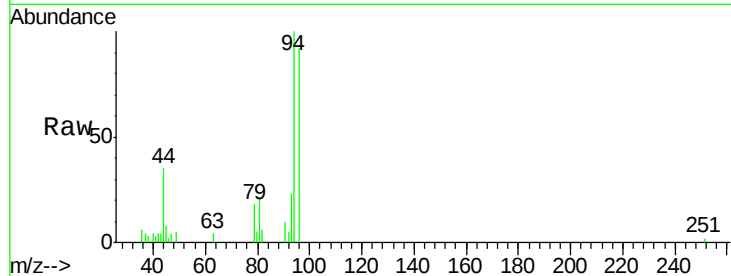
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 34105

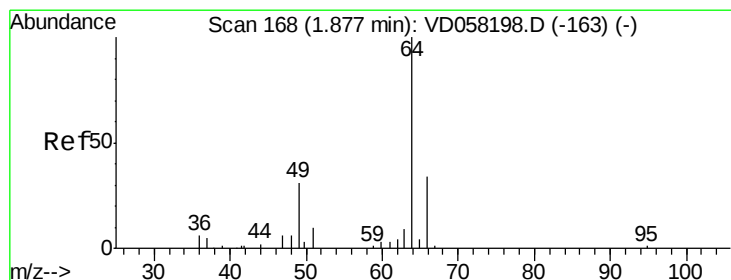
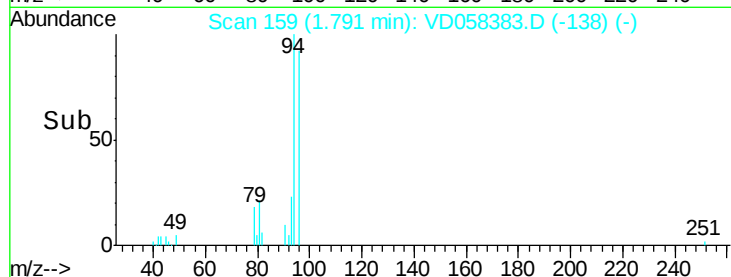
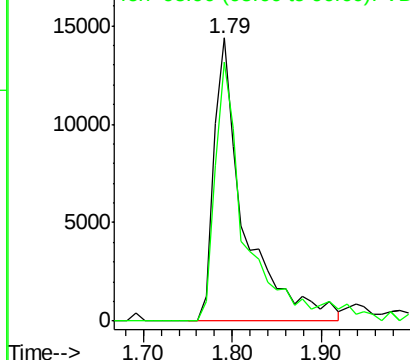
Ion Ratio Lower Upper

94 100

96 91.6 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.398 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.00 min

Lab File: VD058383.D

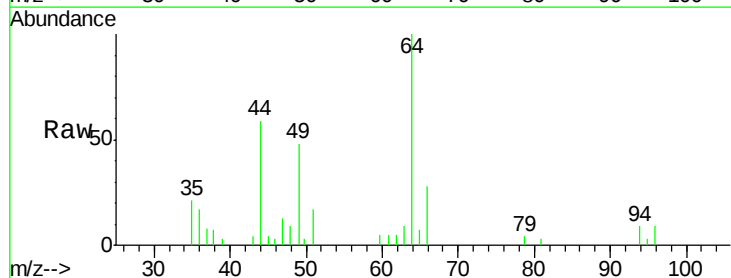
Acq: 24 Jun 2018 20:36

Tgt Ion: 64 Resp: 33617

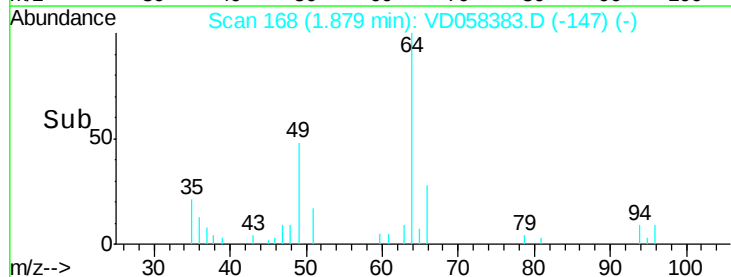
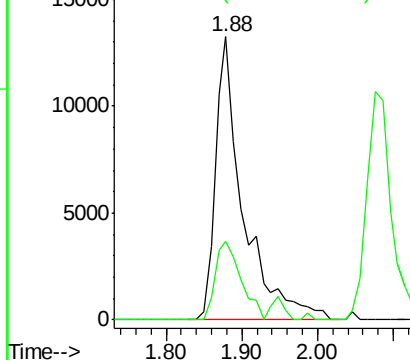
Ion Ratio Lower Upper

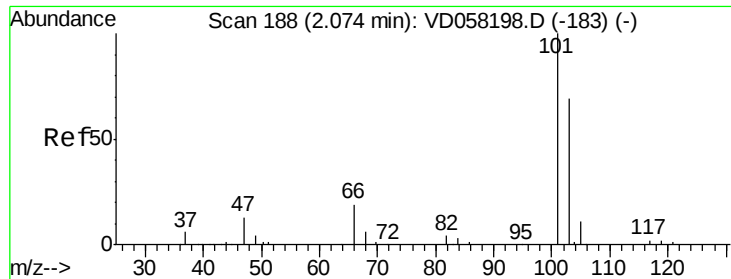
64 100

66 27.9 27.3 40.9



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



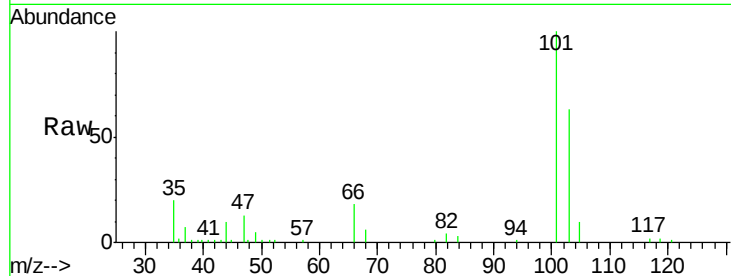


#7

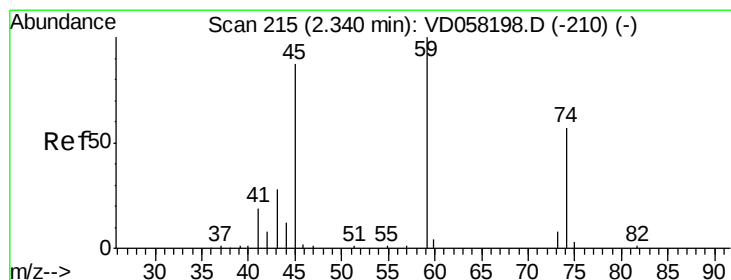
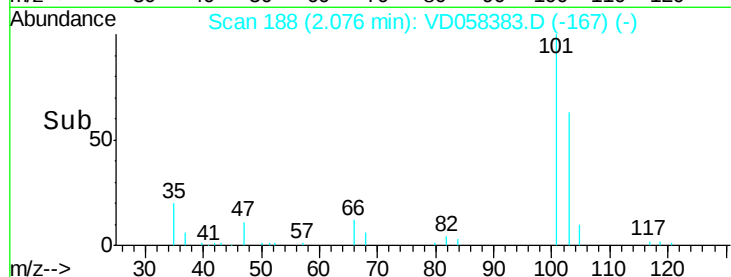
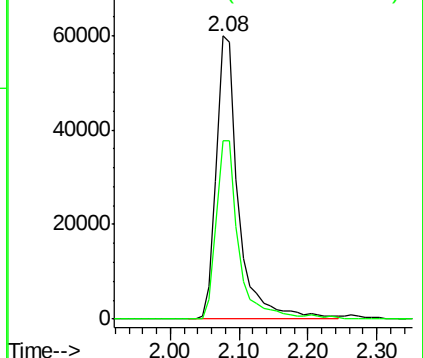
Trichlorofluoromethane
Concen: 23.222 ug/l
RT: 2.08 min Scan# 188
Delta R.T. 0.00 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 134463
Ion Ratio Lower Upper
101 100
103 63.1 55.1 82.7



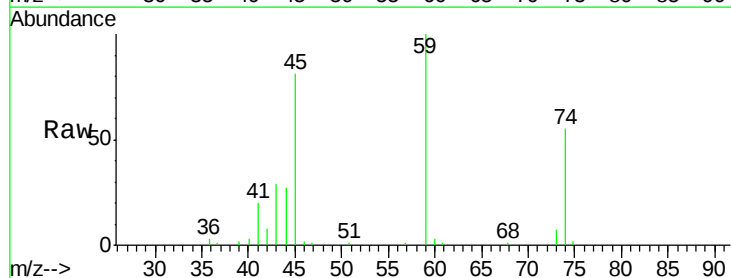
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



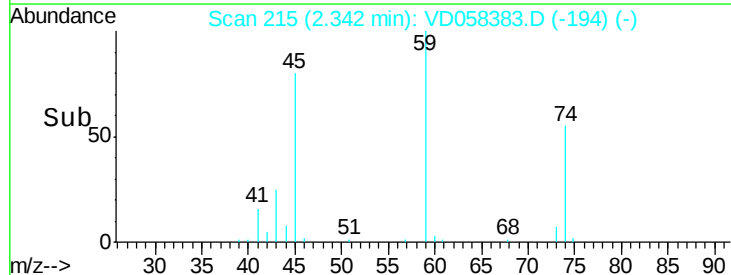
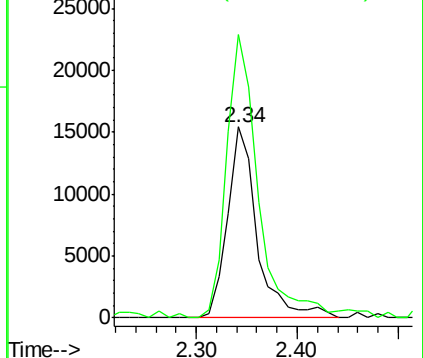
#8

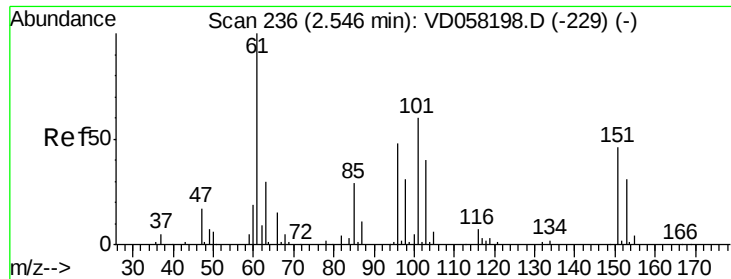
Diethyl Ether
Concen: 25.531 ug/l
RT: 2.34 min Scan# 215
Delta R.T. 0.00 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

Tgt Ion: 74 Resp: 31268
Ion Ratio Lower Upper
74 100
45 148.4 77.5 232.6



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: 23.604 ug/l

RT: 2.56 min Scan# 237

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

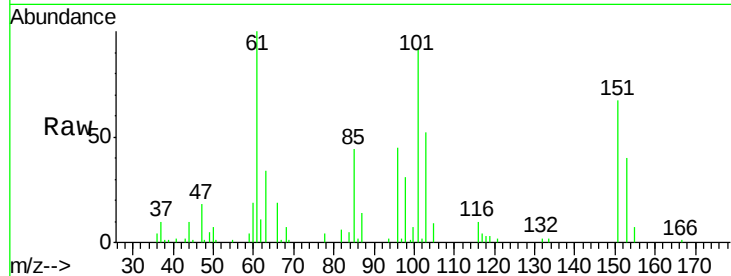
Tot Ion:101 Resp: 86886

Ion Ratio Lower Upper

101 100

85 47.5 39.0 58.4

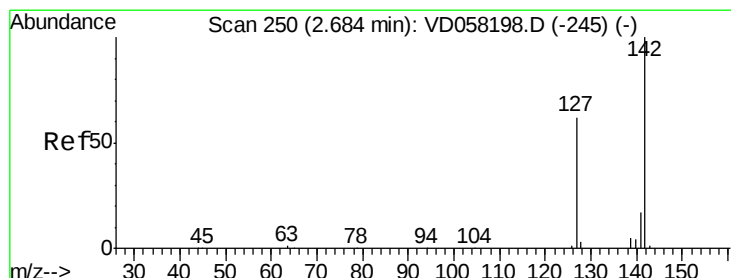
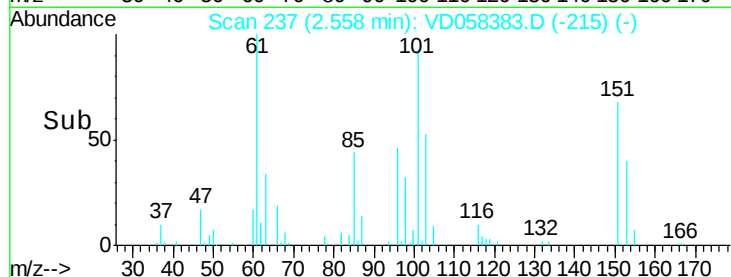
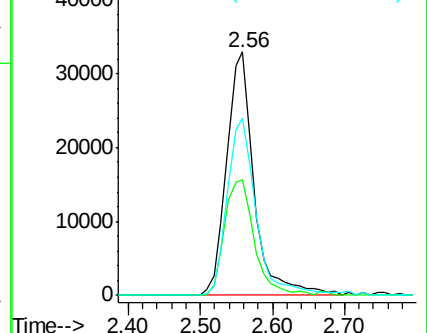
151 72.9 61.8 92.8



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: 21.844 ug/l

RT: 2.70 min Scan# 251

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

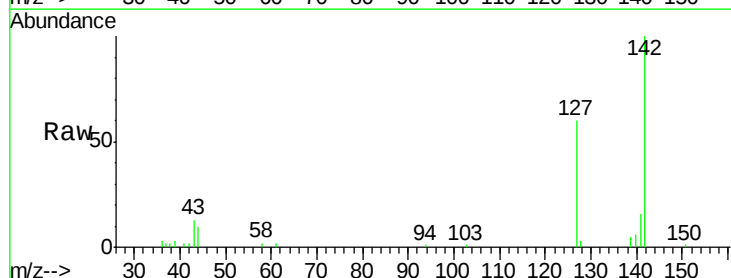
Tgt Ion:142 Resp: 91461

Ion Ratio Lower Upper

142 100

127 60.3 49.4 74.0

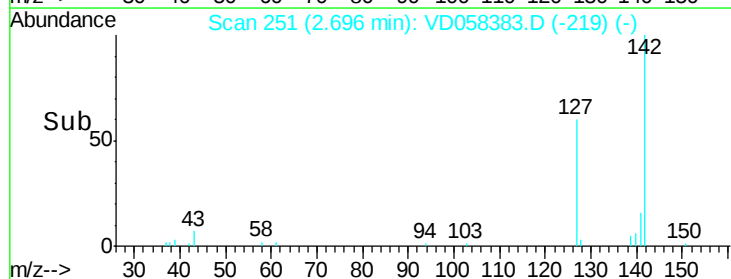
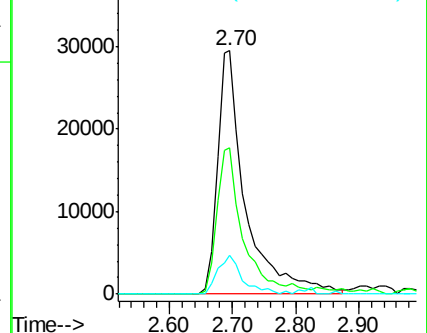
141 15.8 13.5 20.3

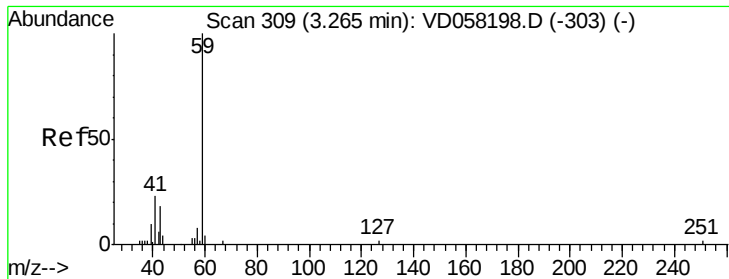


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



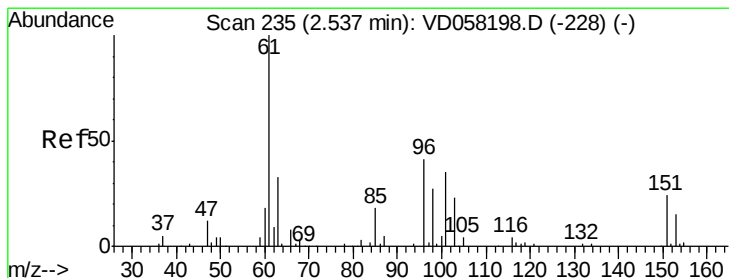
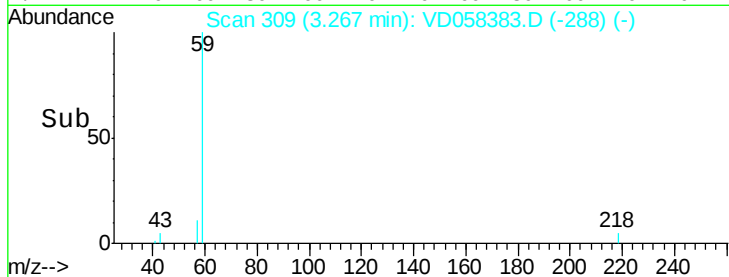
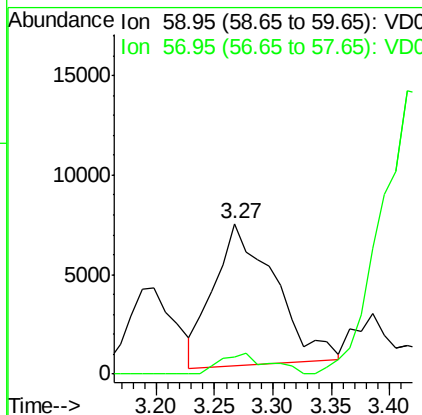
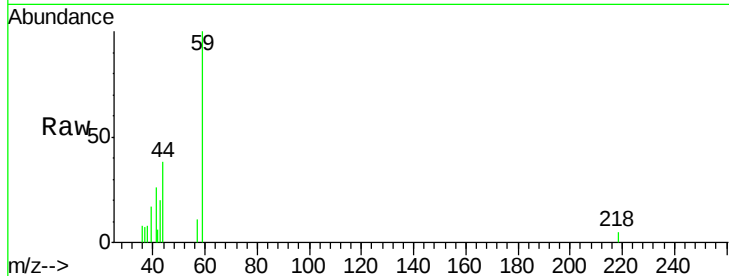


#11

Tert butyl alcohol
Concen: 96.372 ug/l
RT: 3.27 min Scan# 309
Delta R.T. 0.00 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

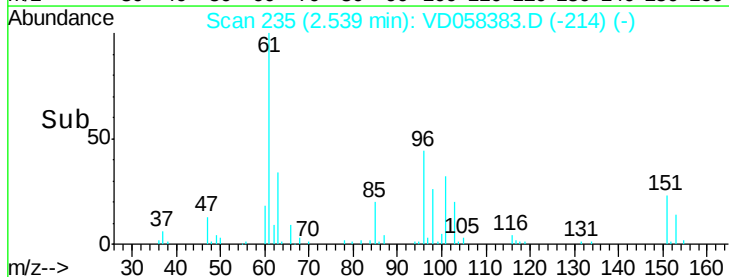
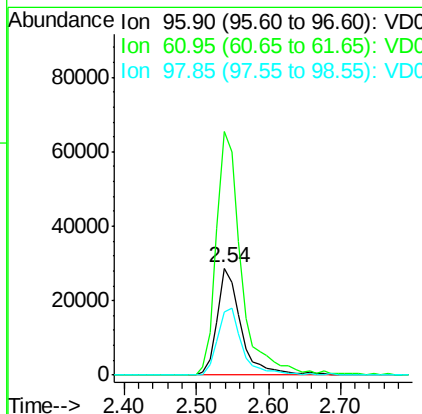
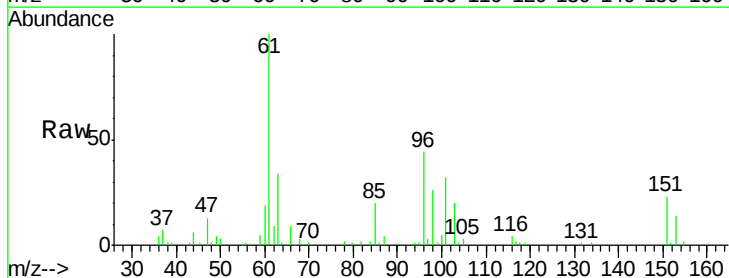
Tot Ion: 59 Resp: 25881
Ion Ratio Lower Upper
59 100
57 11.4 6.2 9.4#

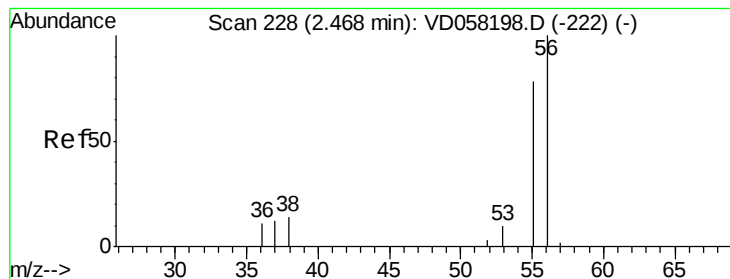


#12

1,1-Dichloroethene
Concen: 23.646 ug/l
RT: 2.54 min Scan# 235
Delta R.T. 0.00 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

Tgt Ion: 96 Resp: 65487
Ion Ratio Lower Upper
96 100
61 227.8 193.9 290.9
98 58.5 51.7 77.5





#13

Acrolein

Concen: 103.035 ug/l

RT: 2.47 min Scan# 228

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

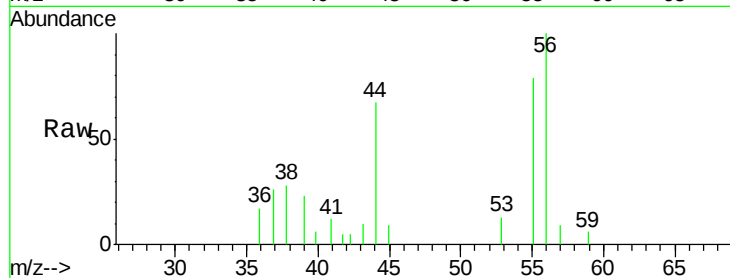
ClientSampleId :

Tot Ion: 56 Resp: 15796

Ion Ratio Lower Upper

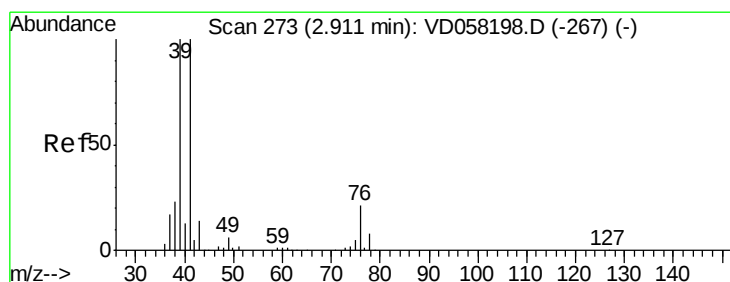
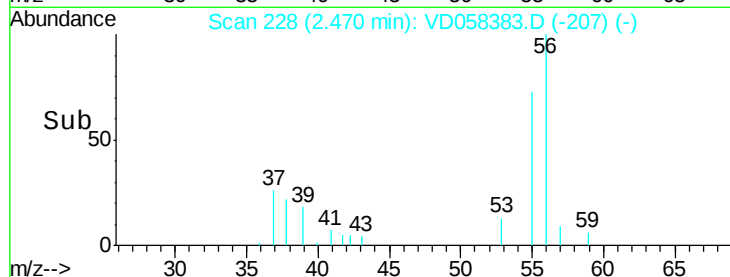
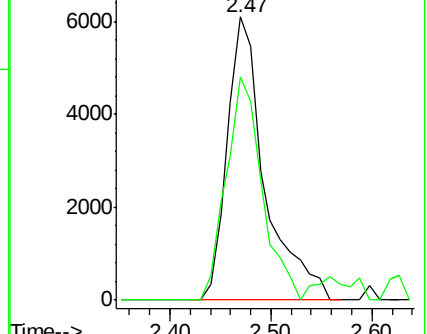
56 100

55 78.9 62.1 93.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 24.042 ug/l

RT: 2.92 min Scan# 274

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

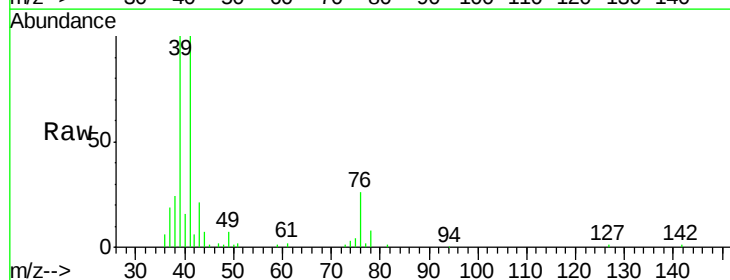
Tgt Ion: 41 Resp: 154972

Ion Ratio Lower Upper

41 100

39 99.8 80.1 120.1

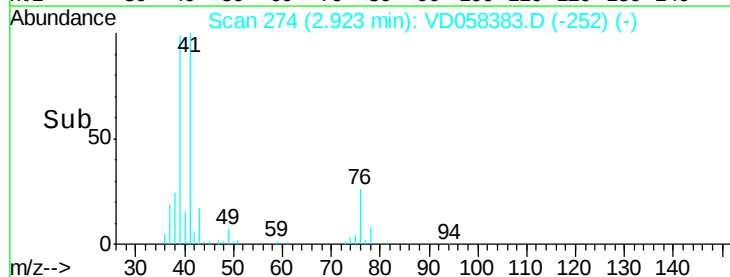
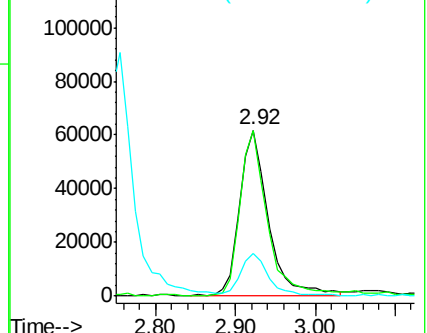
76 25.8 19.4 29.2

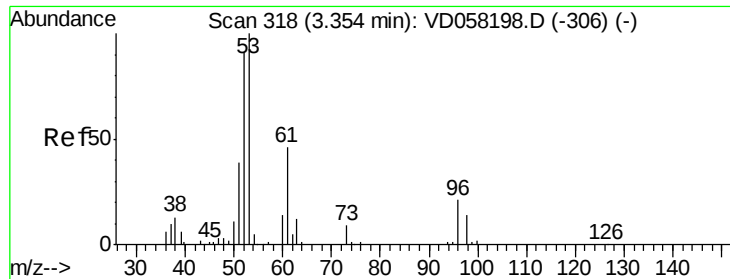


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 128.818 ug/l

RT: 3.37 min Scan# 319

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

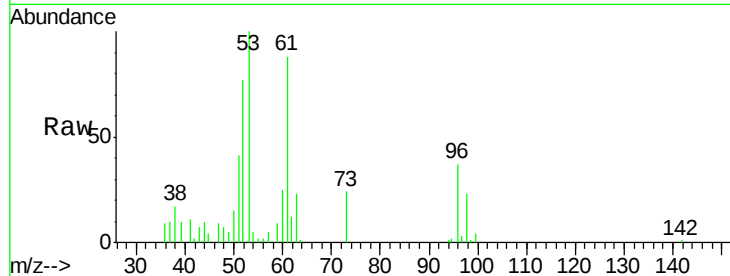
Tot Ion: 53 Resp: 91729

Ion Ratio Lower Upper

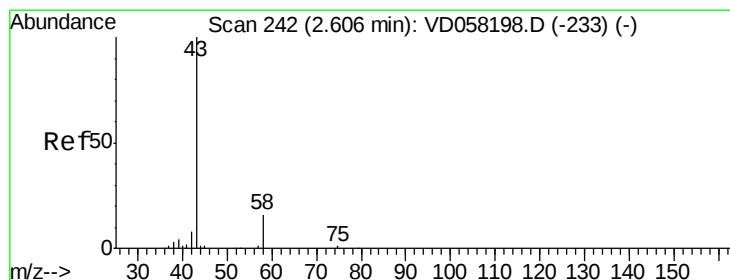
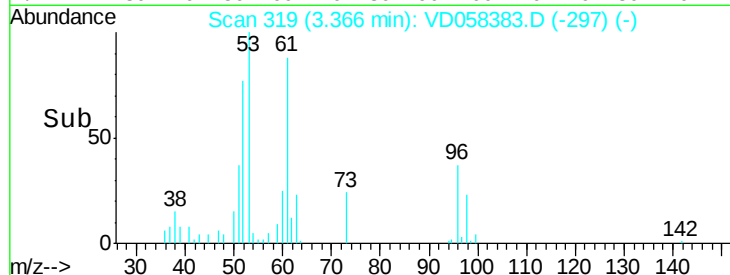
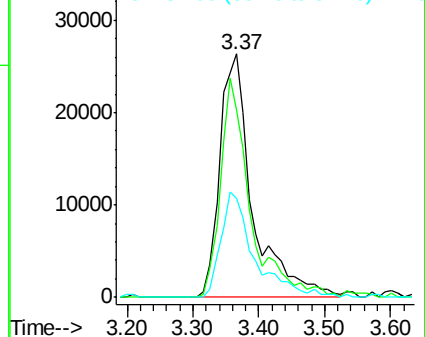
53 100

52 77.1 72.6 108.8

51 40.6 32.2 48.4



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: 111.329 ug/l

RT: 2.62 min Scan# 243

Delta R.T. 0.01 min

Lab File: VD058383.D

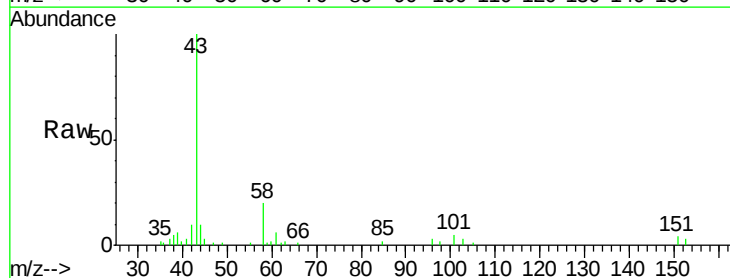
Acq: 24 Jun 2018 20:36

Tgt Ion: 43 Resp: 123971

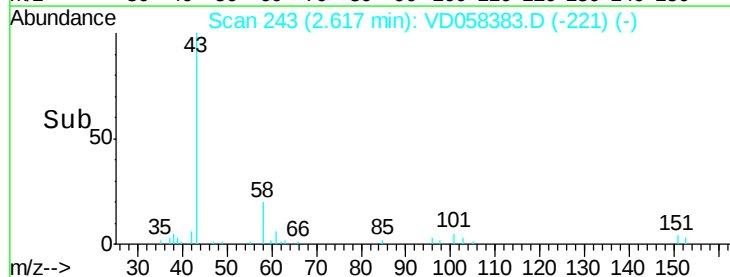
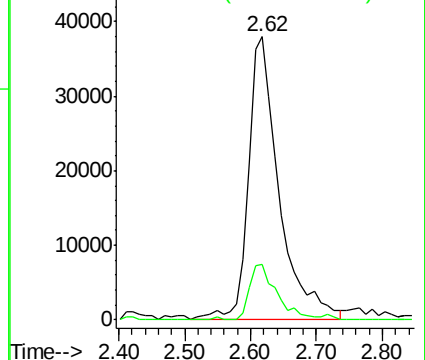
Ion Ratio Lower Upper

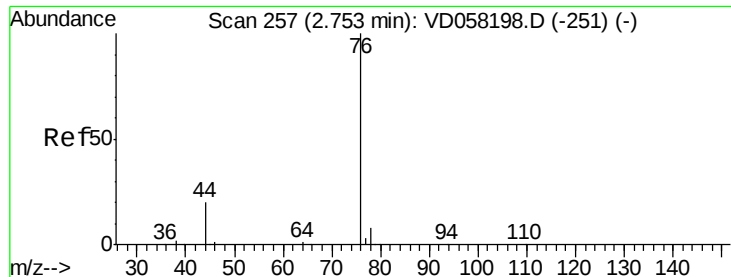
43 100

58 19.6 12.7 19.1#



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

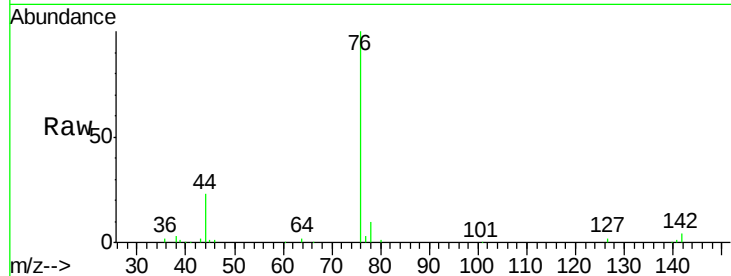




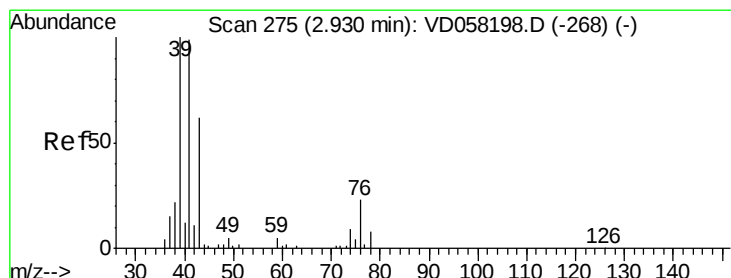
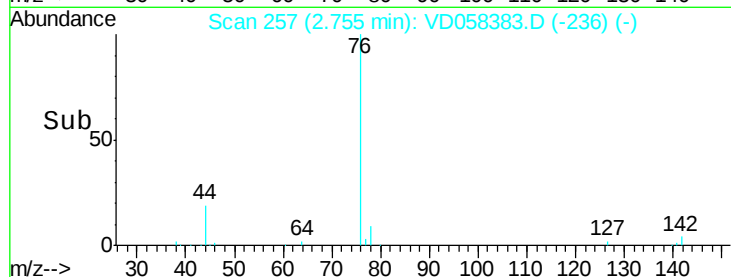
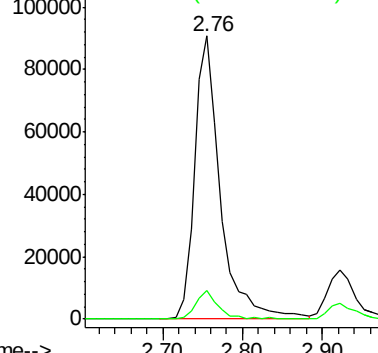
#17
Carbon Disulfide
Concen: 21.837 ug/l
RT: 2.76 min Scan# 257
Delta R.T. 0.00 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 205765
Ion Ratio Lower Upper
76 100
78 10.0 6.8 10.2

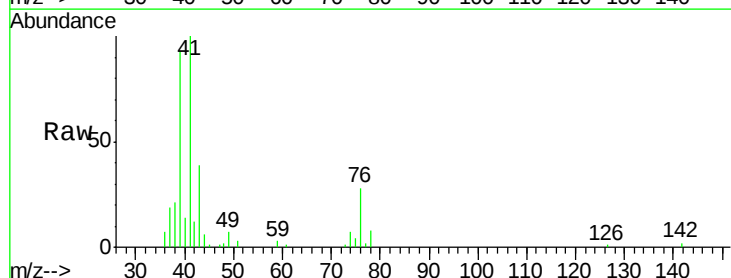


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

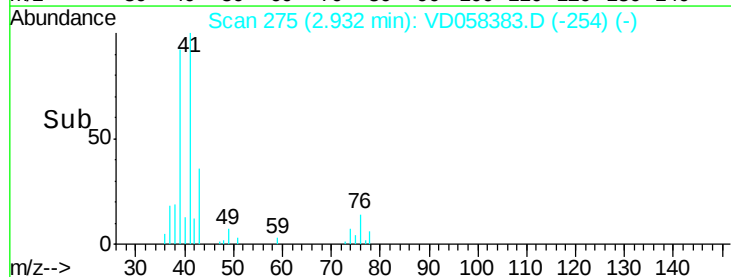
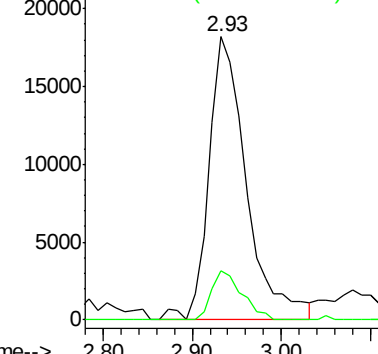


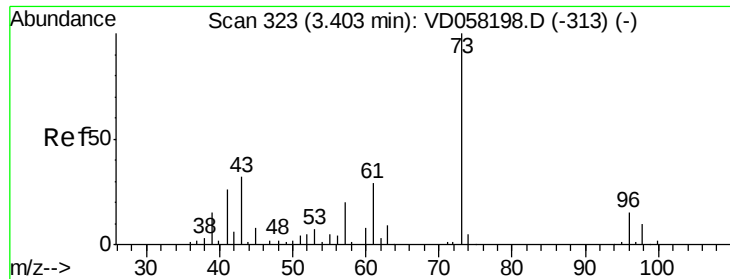
#18
Methyl Acetate
Concen: 22.415 ug/l
RT: 2.93 min Scan# 275
Delta R.T. 0.00 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

Tgt Ion: 43 Resp: 53231
Ion Ratio Lower Upper
43 100
74 17.5 11.7 17.5



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

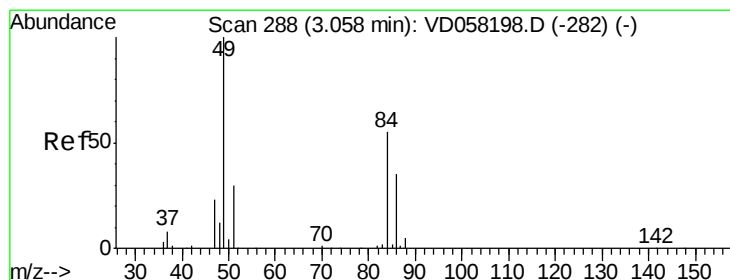
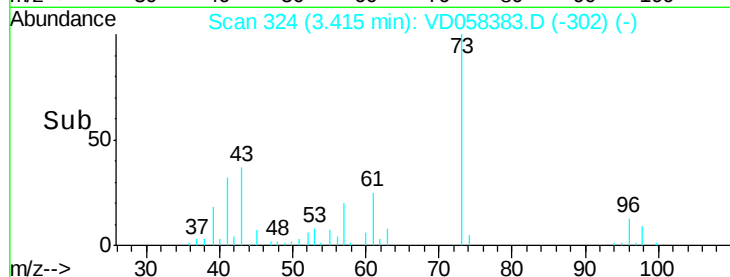
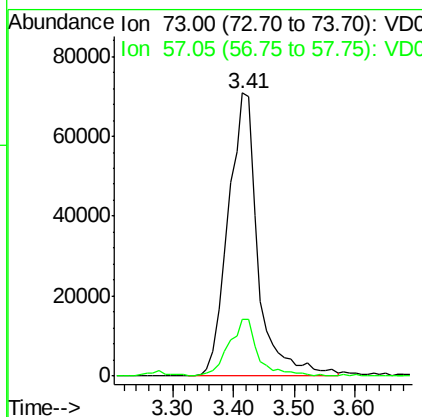
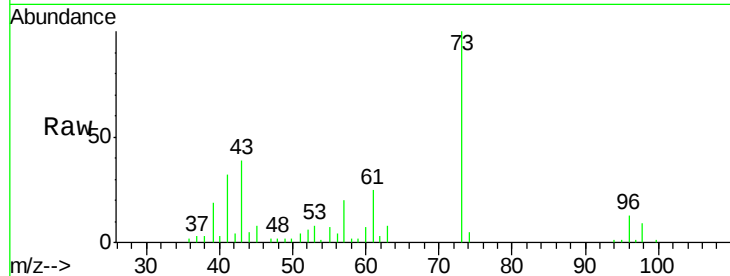




#19
Methyl tert-butyl Ether
Concen: 32.957 ug/l
RT: 3.41 min Scan# 324
Delta R.T. 0.01 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

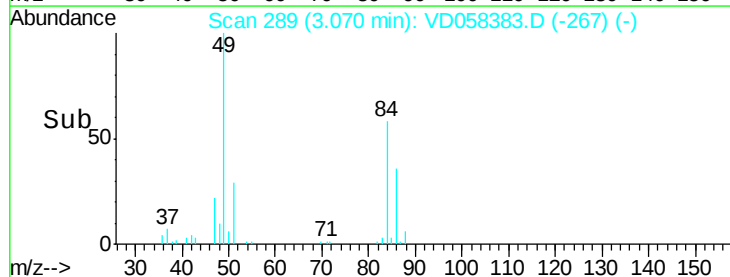
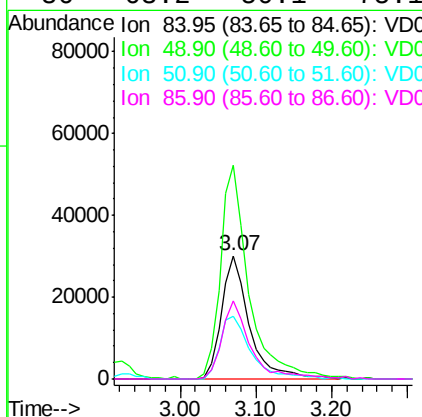
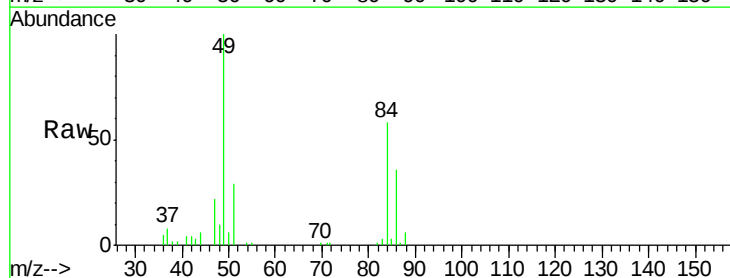
Instrument :
MSVOA_D
ClientSampleId :

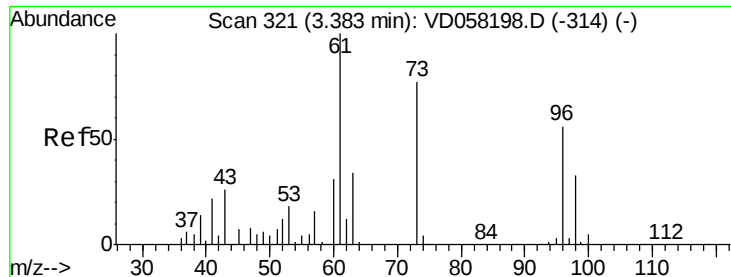
Tot Ion: 73 Resp: 242089
Ion Ratio Lower Upper
73 100
57 20.1 16.6 24.8



#20
Methylene Chloride
Concen: 23.862 ug/l
RT: 3.07 min Scan# 289
Delta R.T. 0.01 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

Tgt Ion: 84 Resp: 76610
Ion Ratio Lower Upper
84 100
49 173.5 145.0 217.6
51 50.9 42.9 64.3
86 63.2 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 28.298 ug/l

RT: 3.39 min Scan# 321

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

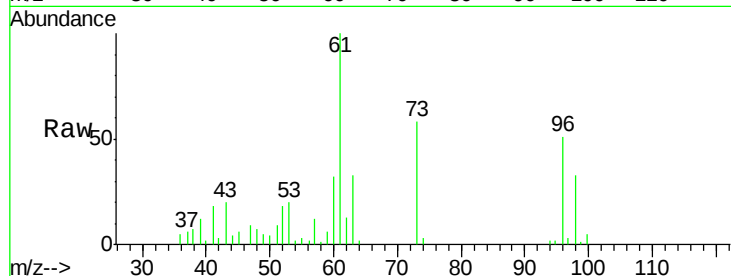
Tot Ion: 96 Resp: 85652

Ion Ratio Lower Upper

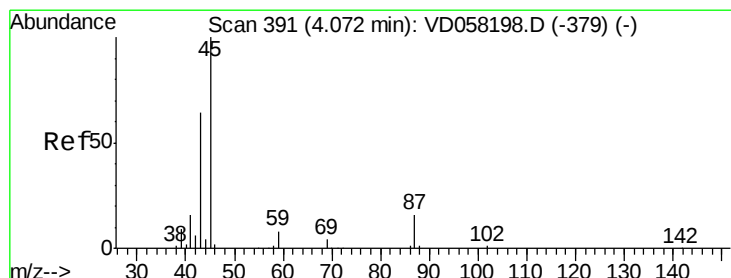
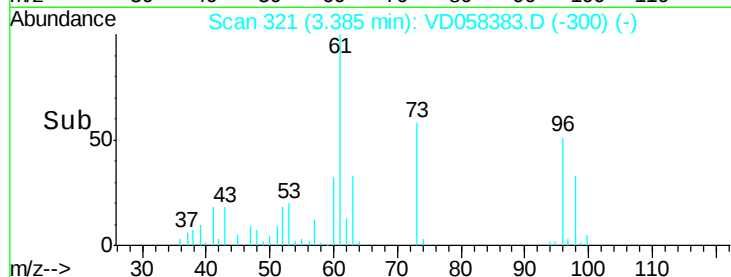
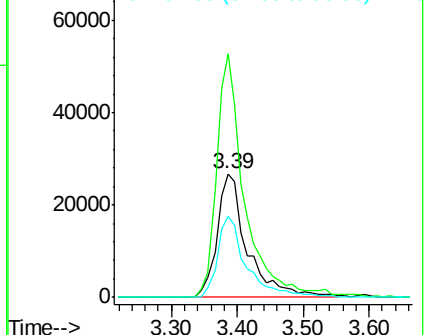
96 100

61 196.6 143.8 215.6

98 65.8 48.0 72.0



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: 22.350 ug/l

RT: 4.07 min Scan# 391

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Tgt Ion: 45 Resp: 572175

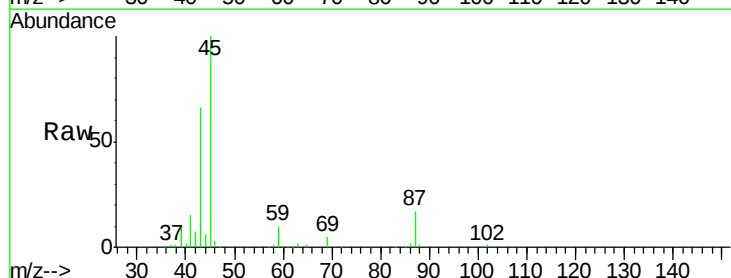
Ion Ratio Lower Upper

45 100

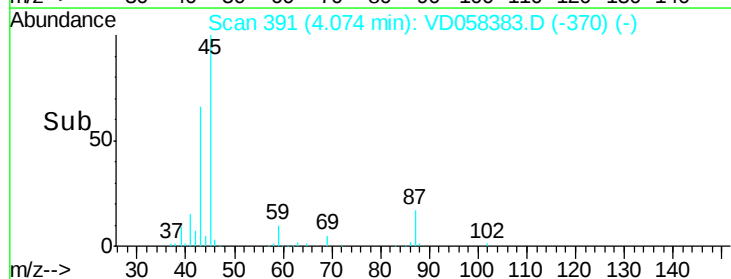
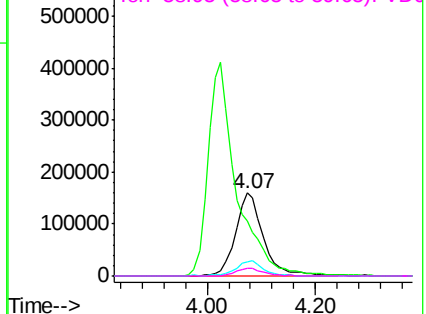
43 66.2 51.4 77.0

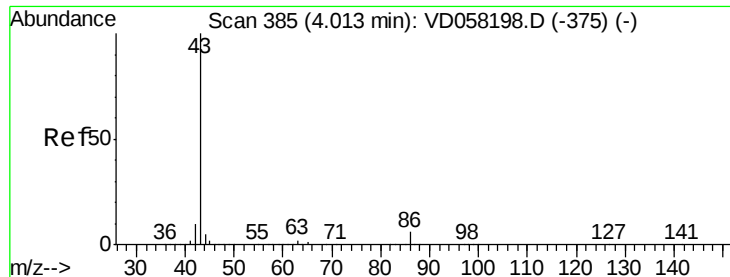
87 16.9 13.0 19.4

59 9.8 6.9 10.3



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: 108.374 ug/l

RT: 4.03 min Scan# 386

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

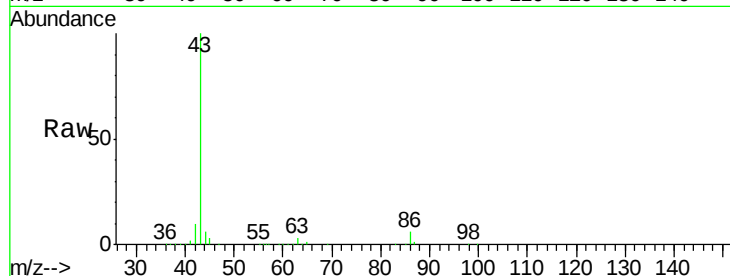
ClientSampleId :

Tot Ion: 43 Resp: 1487292

Ion Ratio Lower Upper

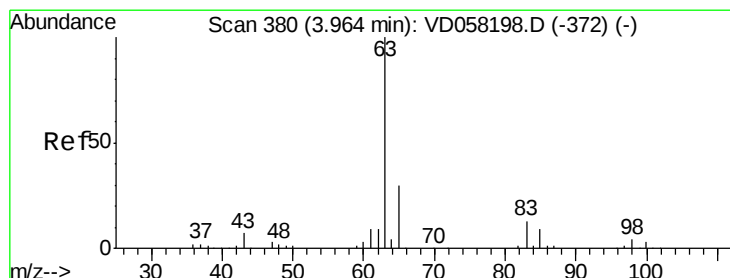
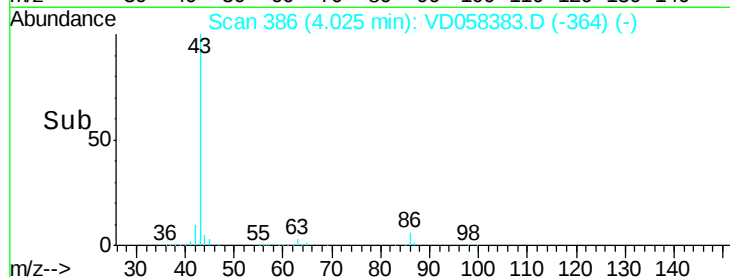
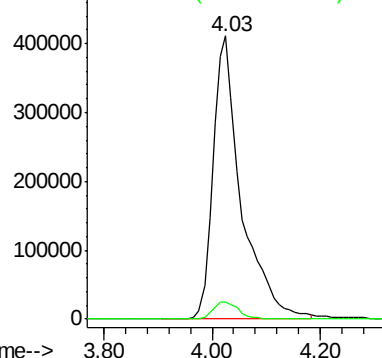
43 100

86 6.0 5.0 7.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.781 ug/l

RT: 3.98 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

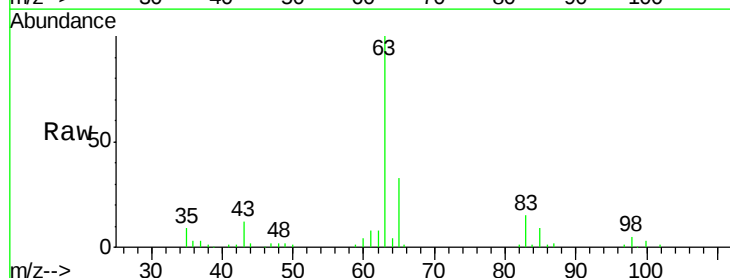
Tgt Ion: 63 Resp: 314200

Ion Ratio Lower Upper

63 100

98 5.2 1.9 5.7

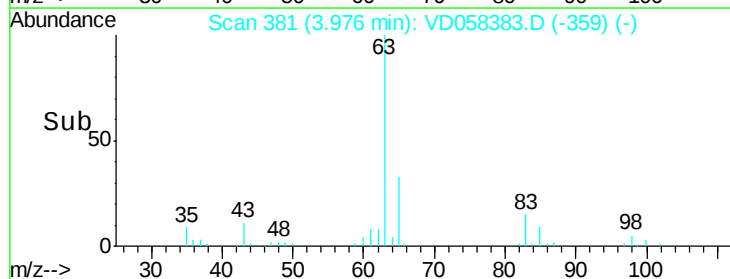
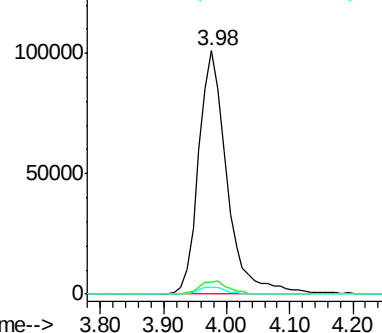
100 3.0 1.3 3.9

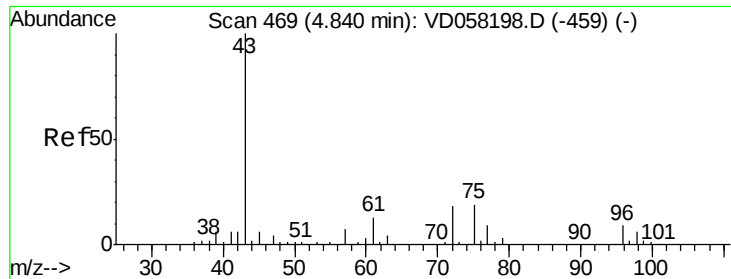


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 101.264 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

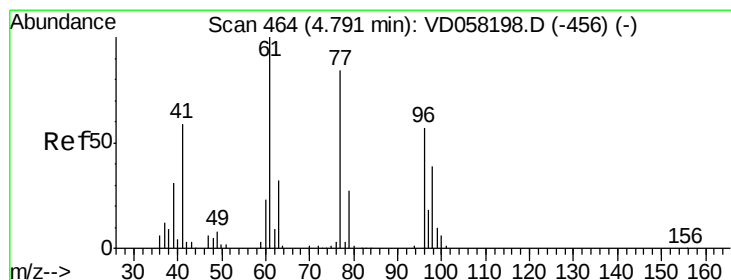
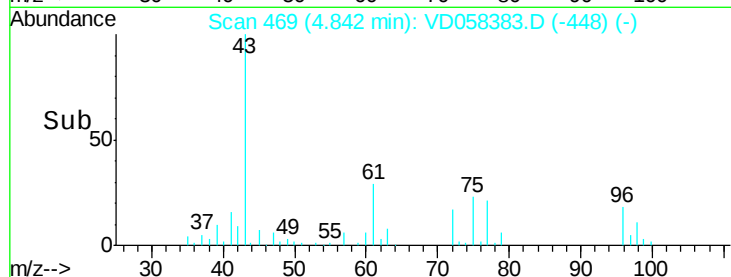
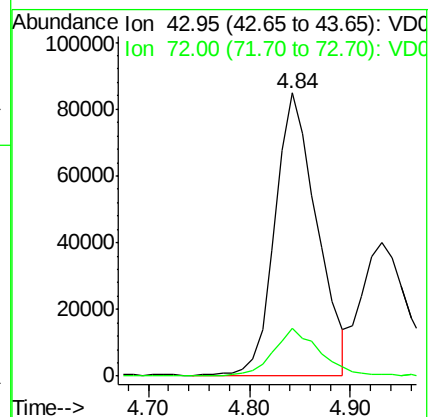
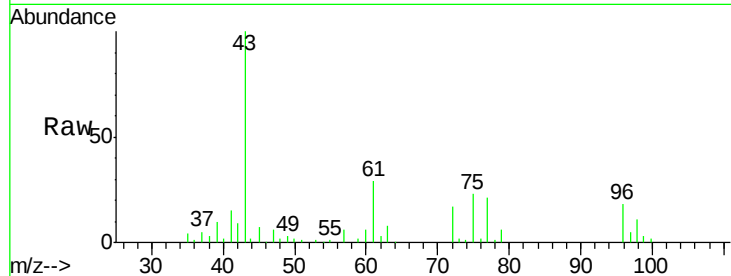
ClientSampleId :

Tot Ion: 43 Resp: 245768

Ion Ratio Lower Upper

43 100

72 16.7 14.1 21.1



#26

2,2-Dichloropropane

Concen: 21.734 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.01 min

Lab File: VD058383.D

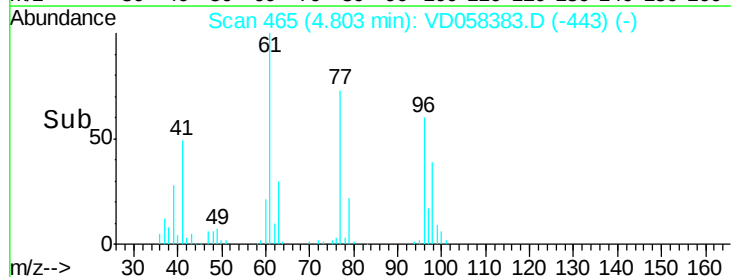
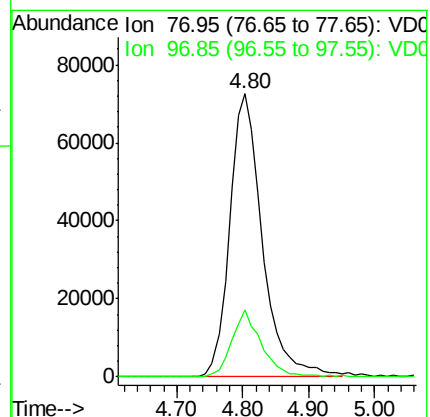
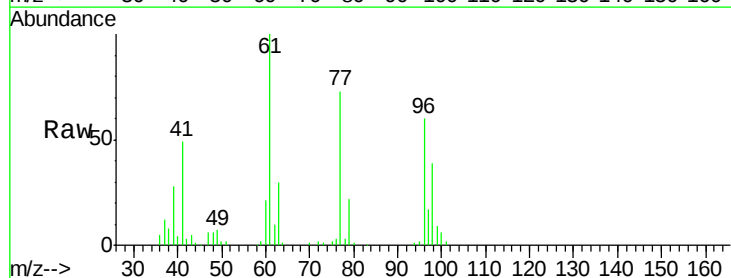
Acq: 24 Jun 2018 20:36

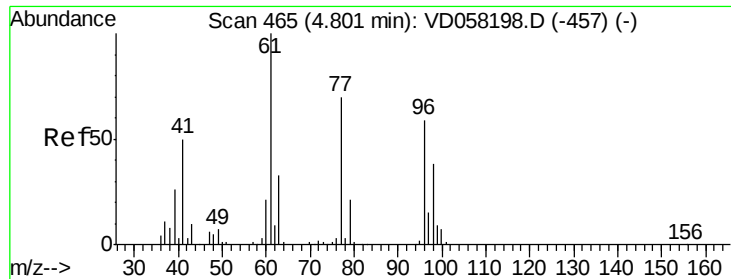
Tgt Ion: 77 Resp: 251001

Ion Ratio Lower Upper

77 100

97 23.6 10.5 31.6



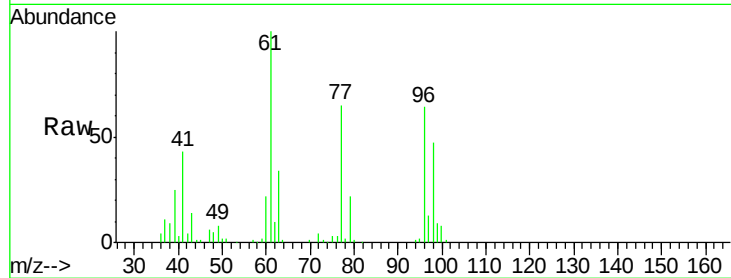


#27

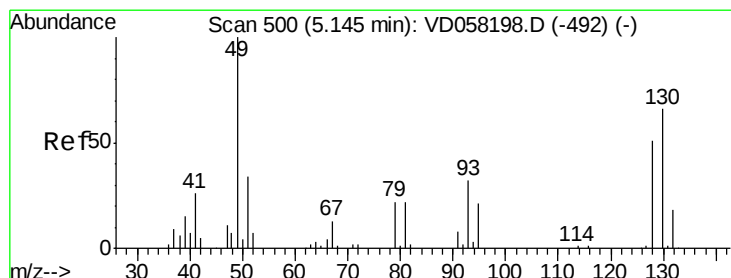
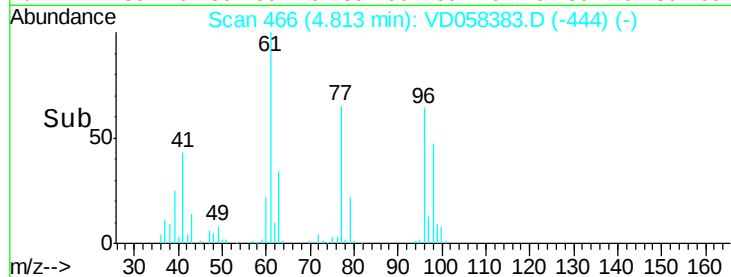
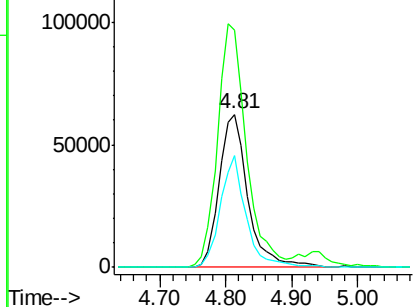
cis-1,2-Dichloroethene
 Concen: 25.110 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. 0.01 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	96	Resp	189925
Ion	Ratio	Lower	Upper
96	100		
61	155.1	0.0	338.6
98	72.8	0.0	130.2



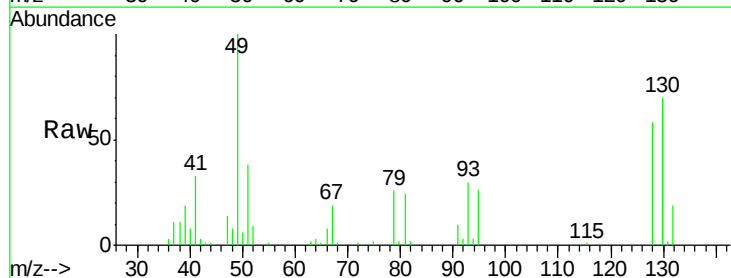
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



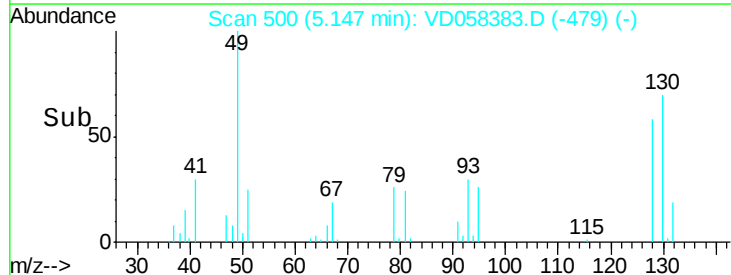
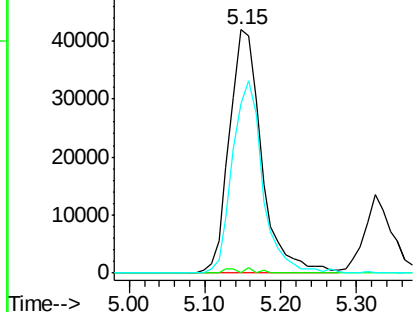
#28

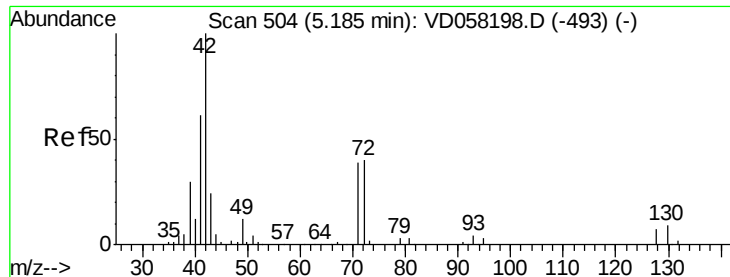
Bromochloromethane
 Concen: 20.016 ug/l
 RT: 5.15 min Scan# 500
 Delta R.T. 0.00 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

Tgt Ion	49	Resp	123754
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	69.8	52.6	79.0



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





#29

Tetrahydrofuran

Concen: 102.435 ug/l

RT: 5.20 min Scan# 505

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

ClientSampled :

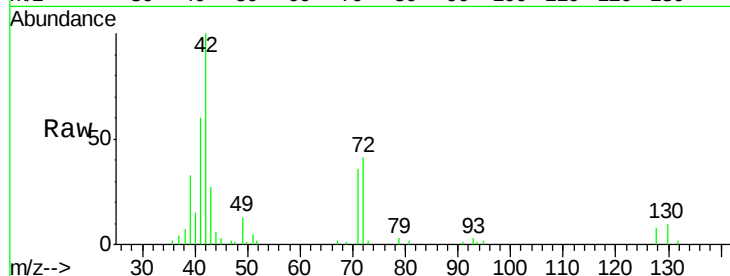
Tot Ion: 42 Resp: 132330

Ion Ratio Lower Upper

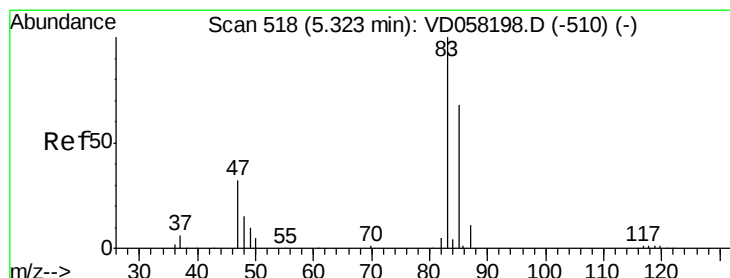
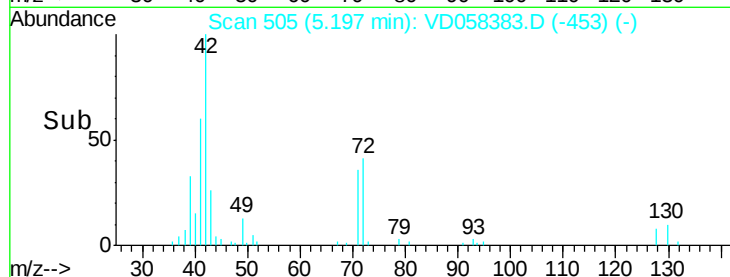
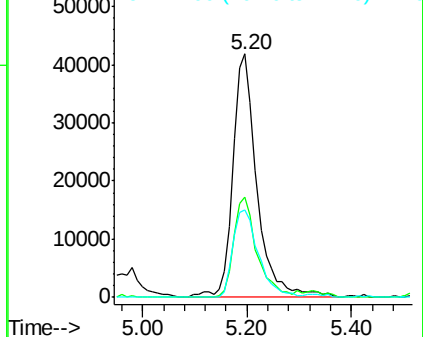
42 100

72 39.7 30.2 45.2

71 38.2 30.1 45.1



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



#30

Chloroform

Concen: 23.347 ug/l

RT: 5.32 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD058383.D

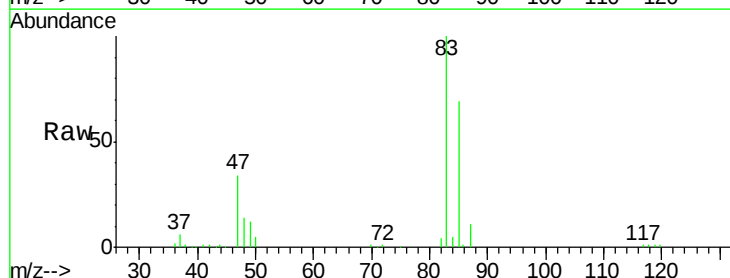
Acq: 24 Jun 2018 20:36

Tgt Ion: 83 Resp: 339952

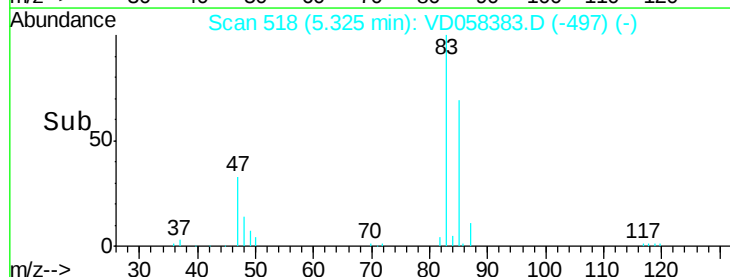
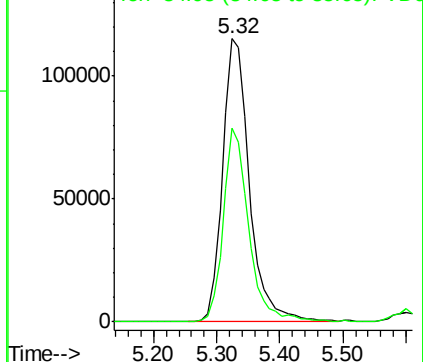
Ion Ratio Lower Upper

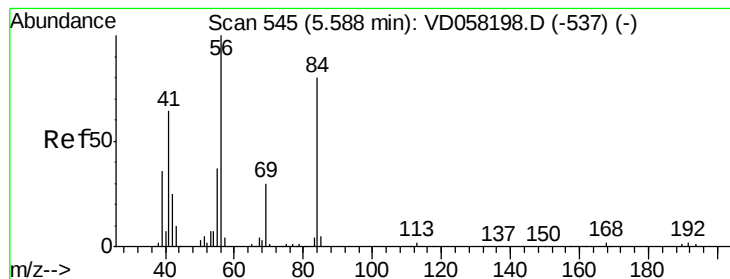
83 100

85 68.6 54.8 82.2



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





#31

Cvclohexane

Concen: 22.002 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

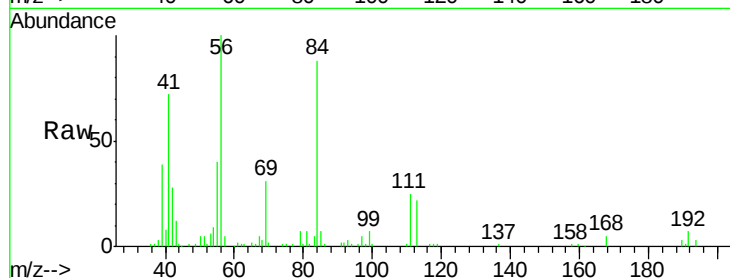
Tot Ion: 56 Resp: 249634

Ion Ratio Lower Upper

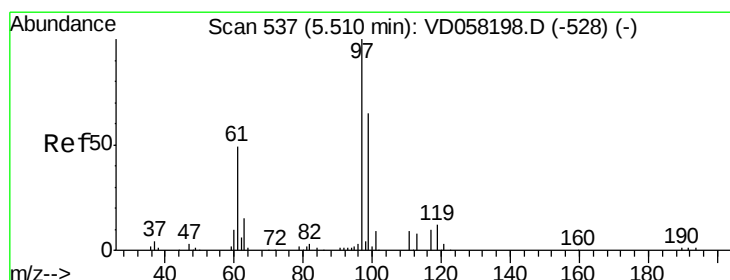
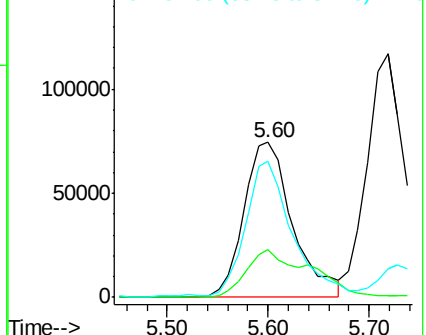
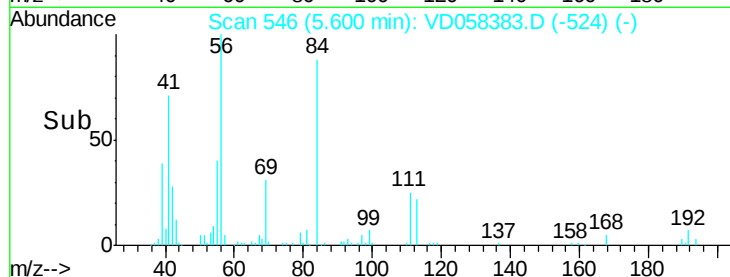
56 100

69 31.0 23.6 35.4

84 88.0 65.2 97.8



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: 23.442 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

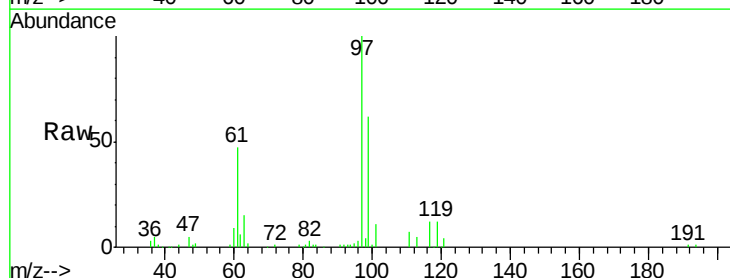
Tgt Ion: 97 Resp: 282019

Ion Ratio Lower Upper

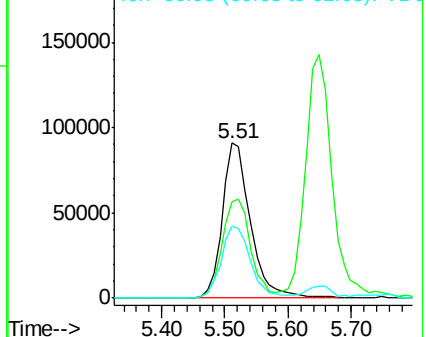
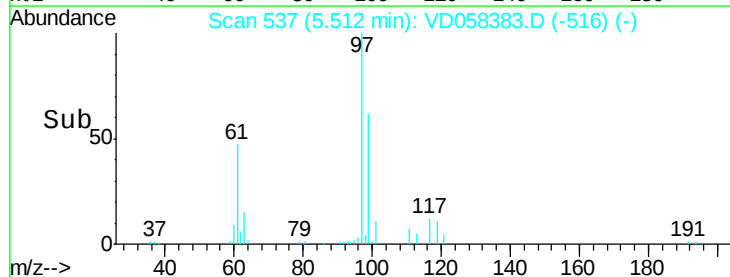
97 100

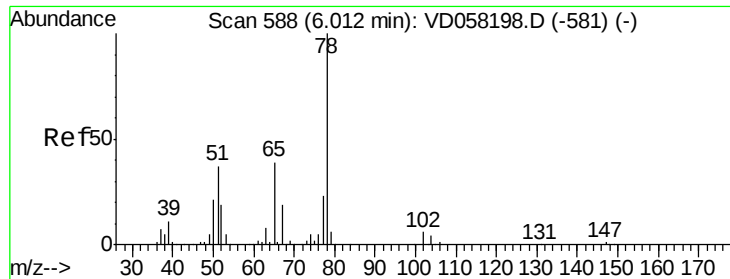
99 62.4 52.2 78.4

61 46.7 39.0 58.4



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

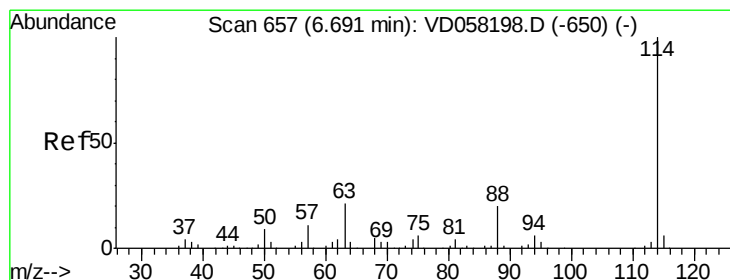
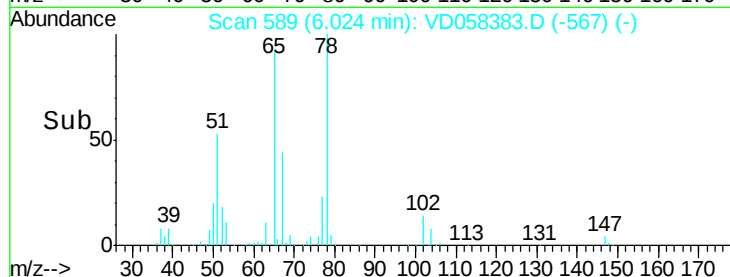
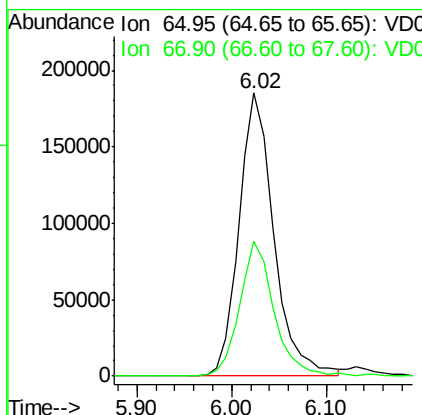
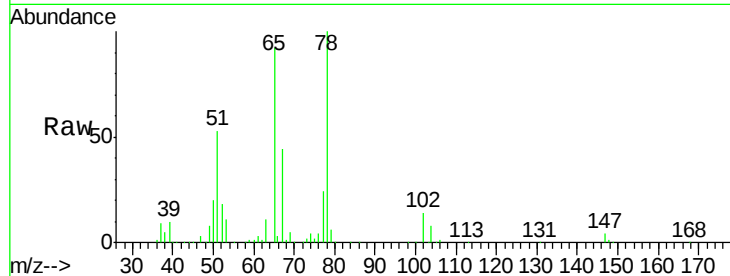




#33
 1,2-Dichloroethane-d4
 Concen: 23.442 ug/l
 RT: 6.02 min Scan# 589
 Delta R.T. 0.01 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

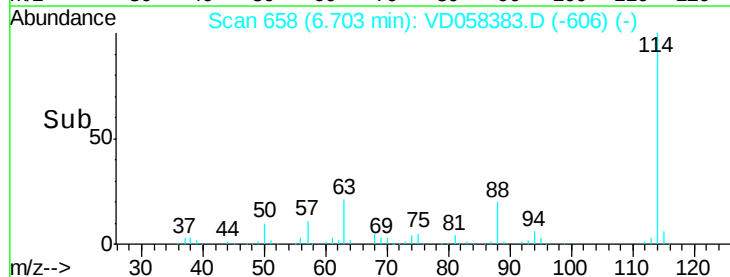
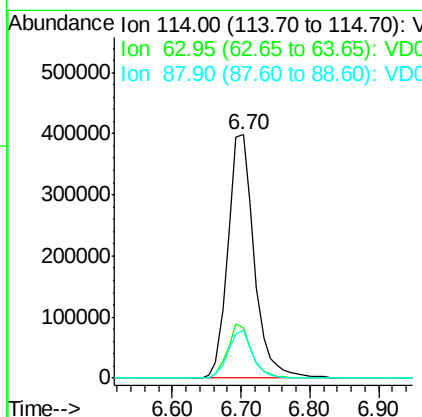
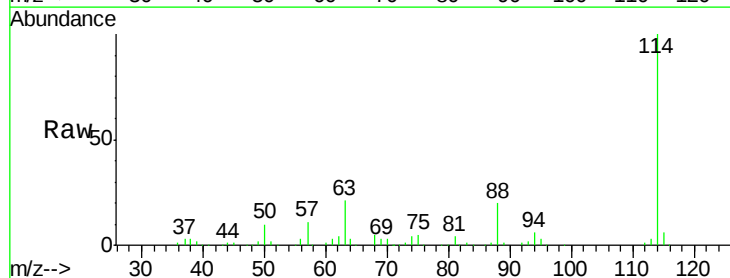
Instrument :
 MSVOA_D
 ClientSampleId :

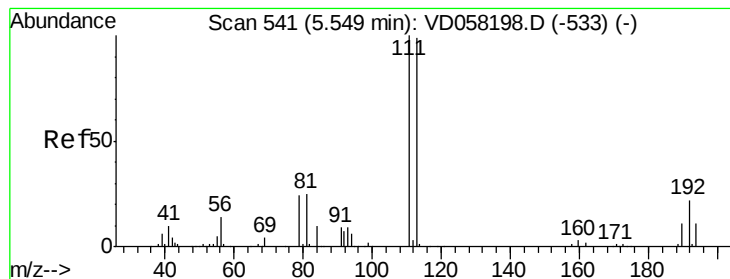
Tot Ion: 65 Resp: 474231
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.70 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

Tgt Ion: 114 Resp: 1050842
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.6
 88 19.6 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 542

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

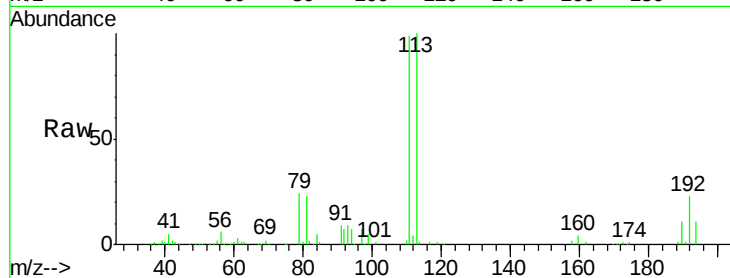
Tot Ion:113 Resp: 492580

Ion Ratio Lower Upper

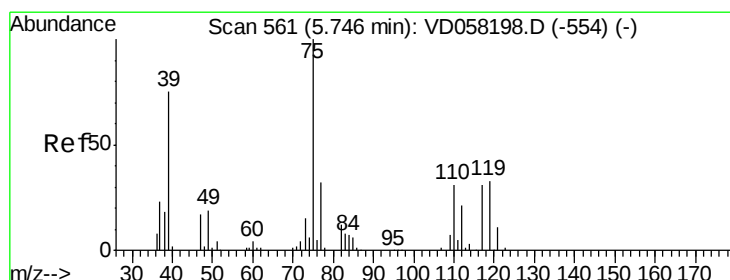
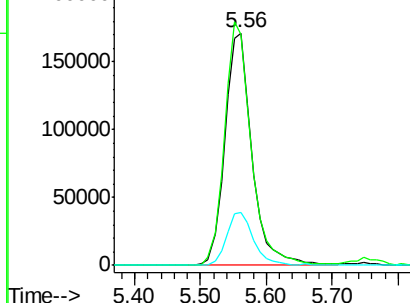
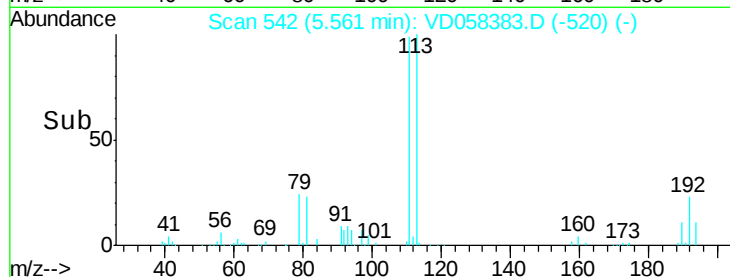
113 100

111 99.4 80.6 121.0

192 22.5 17.8 26.6



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: 22.478 ug/l

RT: 5.75 min Scan# 561

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

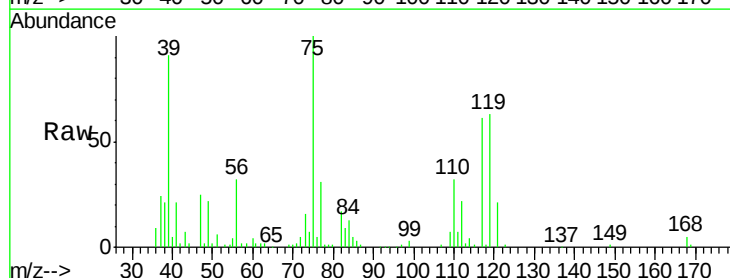
Tgt Ion: 75 Resp: 233673

Ion Ratio Lower Upper

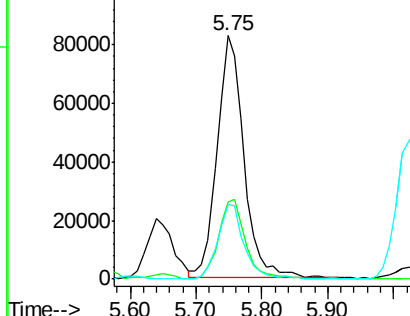
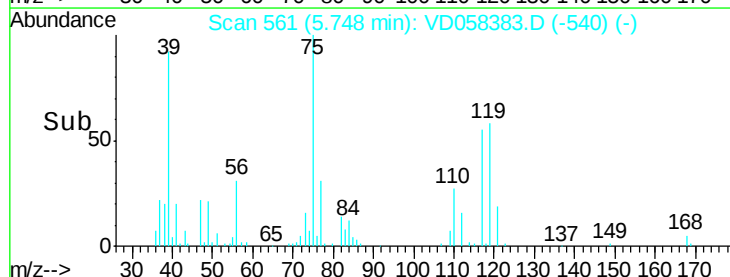
75 100

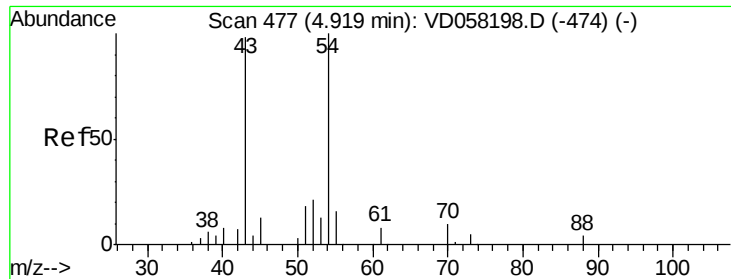
110 31.7 15.4 46.4

77 30.6 25.4 38.2



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

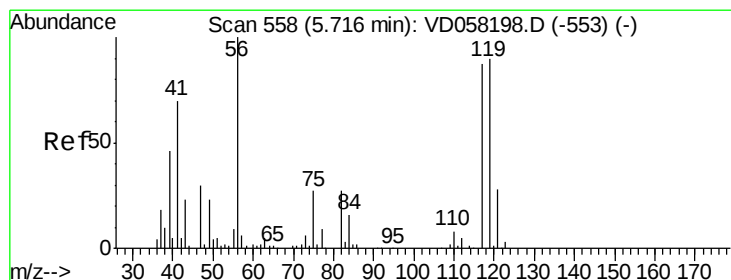
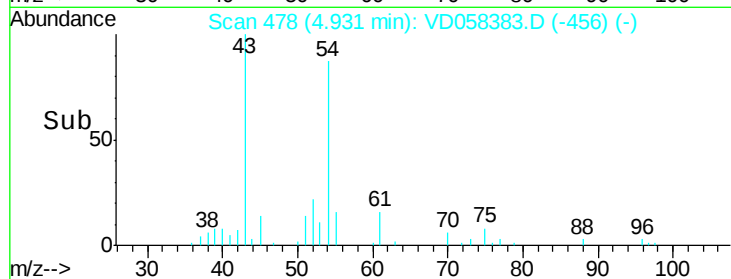
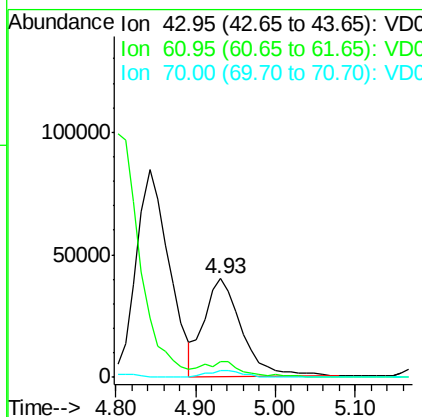
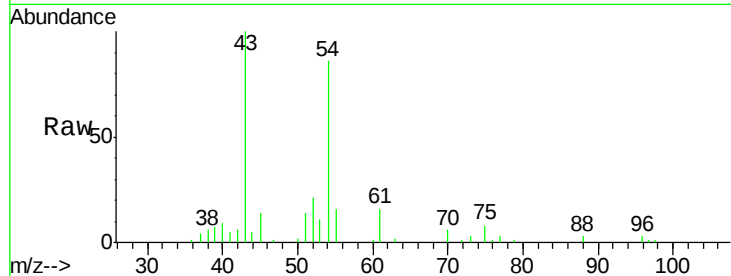




#37
Ethyl Acetate
Concen: 22.004 ug/l
RT: 4.93 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

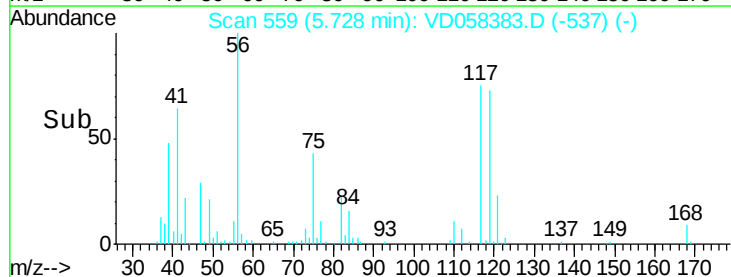
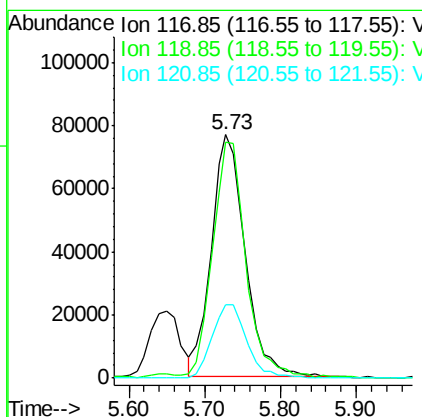
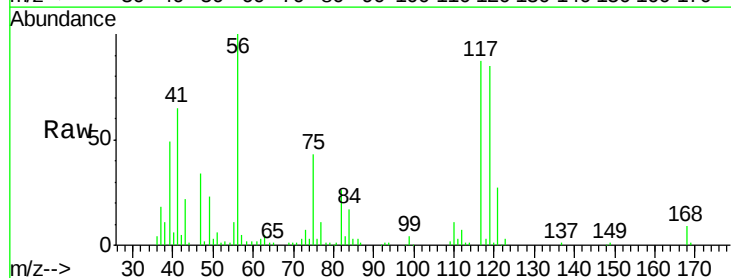
Instrument :
MSVOA_D
ClientSampleID :

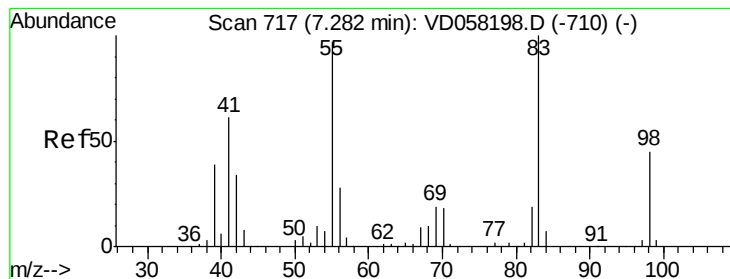
Tot Ion: 43 Resp: 130332
Ion Ratio Lower Upper
43 100
61 16.0 10.3 15.5#
70 6.4 5.7 8.5



#38
Carbon Tetrachloride
Concen: 23.091 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.01 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

Tgt Ion: 117 Resp: 238515
Ion Ratio Lower Upper
117 100
119 97.1 78.8 118.2
121 30.4 25.0 37.6





#39

Methvlcvclohexane

Concen: 23.299 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

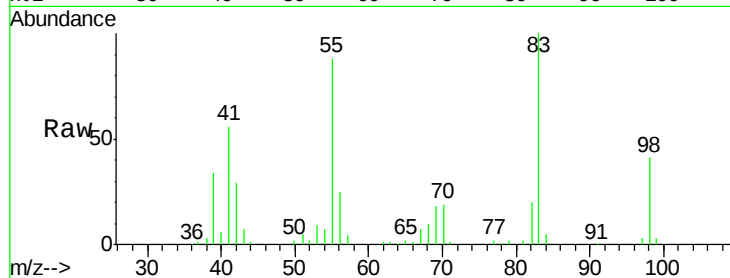
Tot Ion: 83 Resp: 235913

Ion Ratio Lower Upper

83 100

55 87.6 77.4 116.2

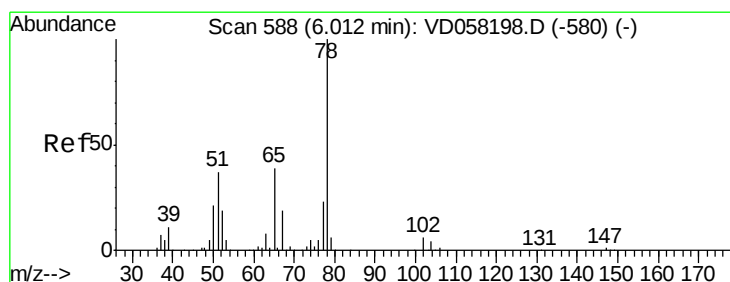
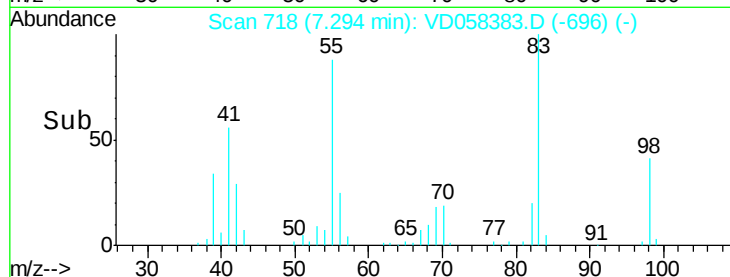
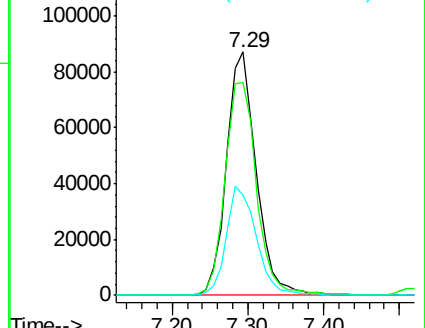
98 41.4 35.9 53.9



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: 22.109 ug/l

RT: 6.02 min Scan# 589

Delta R.T. 0.01 min

Lab File: VD058383.D

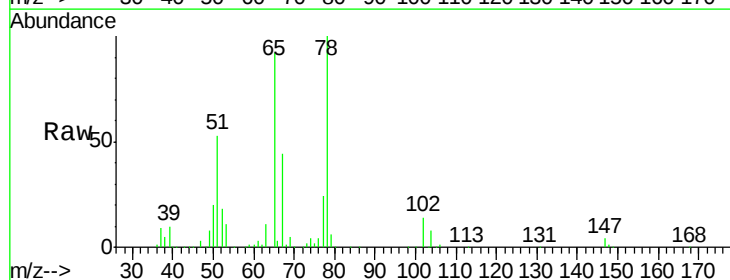
Acq: 24 Jun 2018 20:36

Tgt Ion: 78 Resp: 547489

Ion Ratio Lower Upper

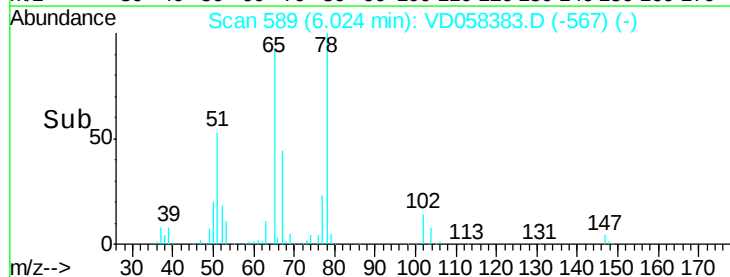
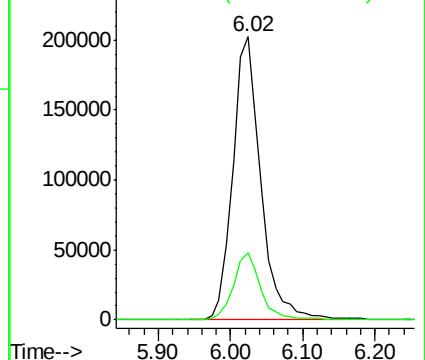
78 100

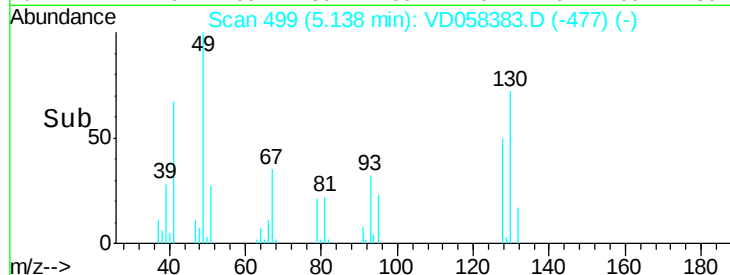
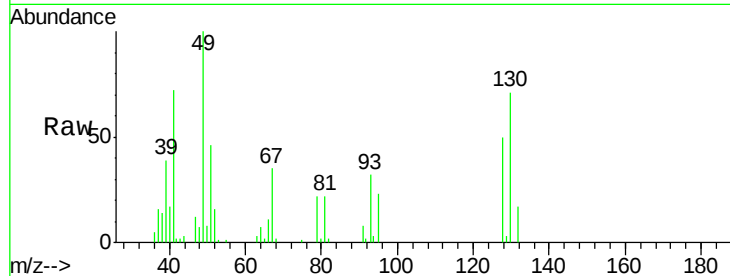
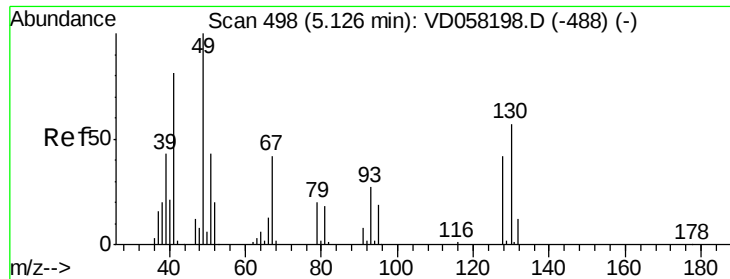
77 23.7 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

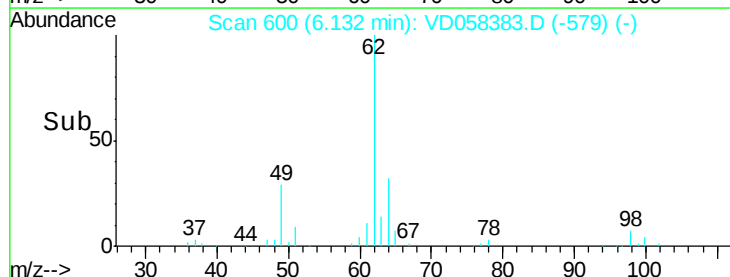
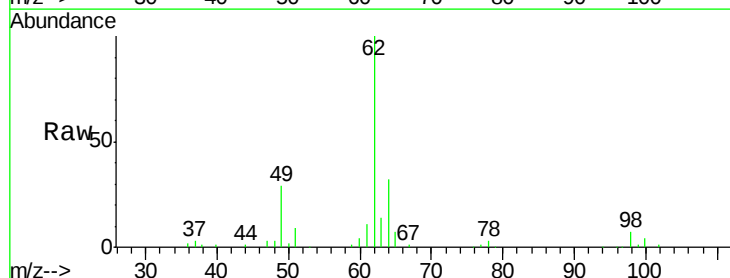
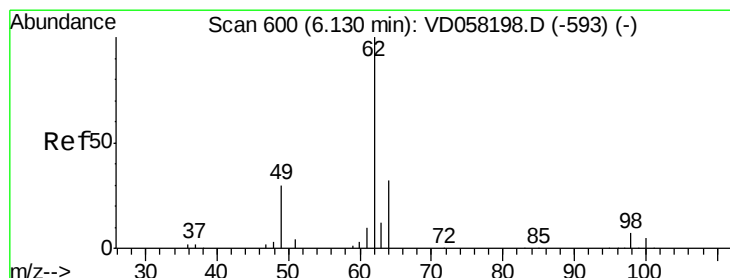
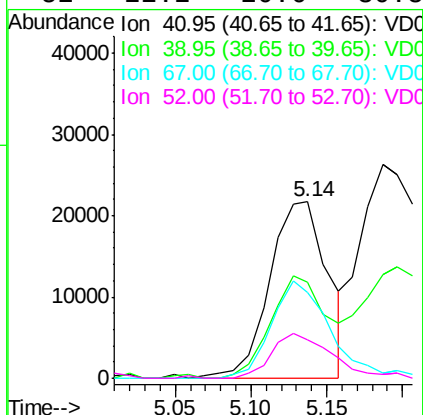




#41
Methacrylonitrile
Concen: 20.331 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

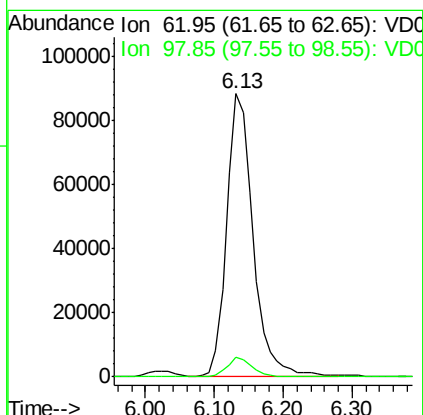
Instrument :
MSVOA_D
ClientSampled :

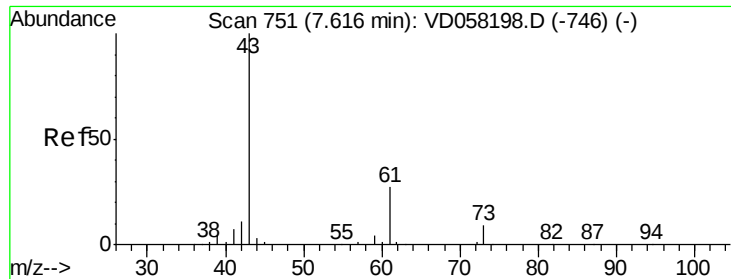
Tot Ion: 41 Resp: 58149
Ion Ratio Lower Upper
41 100
39 54.8 43.4 65.2
67 48.5 41.7 62.5
52 22.2 20.6 30.8



#42
1,2-Dichloroethane
Concen: 23.518 ug/l
RT: 6.13 min Scan# 600
Delta R.T. 0.00 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

Tgt Ion: 62 Resp: 234827
Ion Ratio Lower Upper
62 100
98 7.0 0.0 13.2



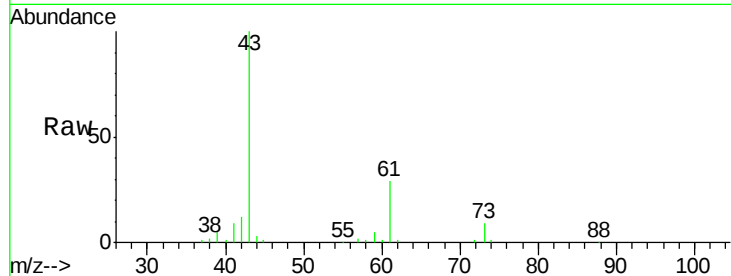


#43

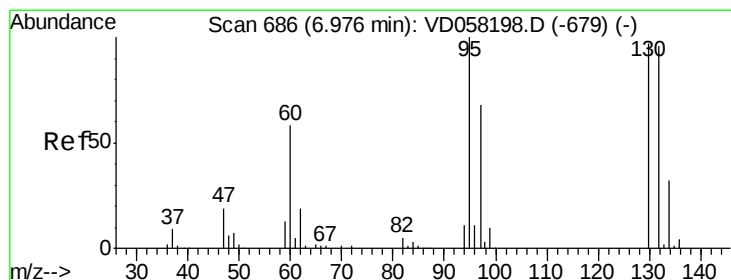
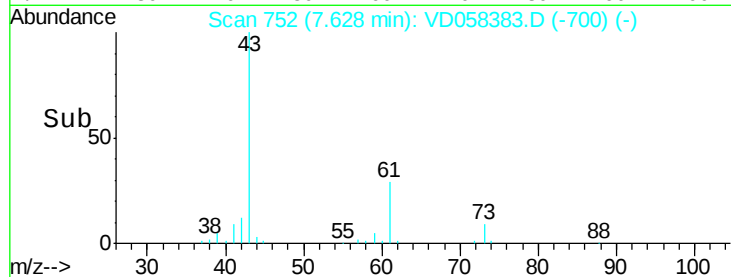
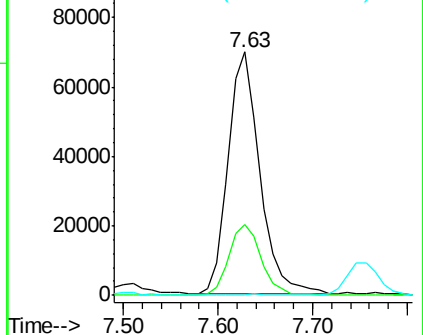
Isopropyl Acetate
 Concen: 20.501 ug/l
 RT: 7.63 min Scan# 752
 Delta R.T. 0.01 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 161886
 Ion Ratio Lower Upper
 43 100
 61 29.0 21.8 32.6
 87 0.0 0.3 0.5#



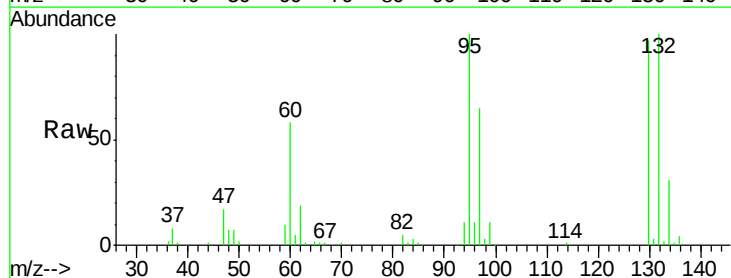
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



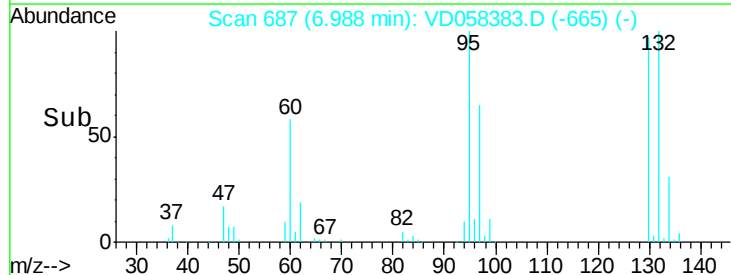
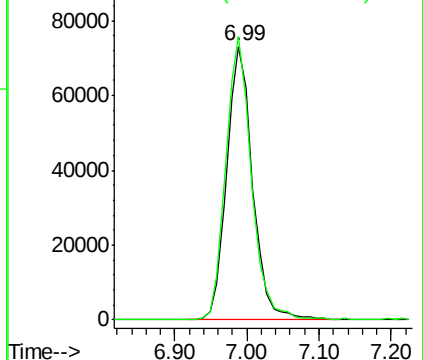
#44

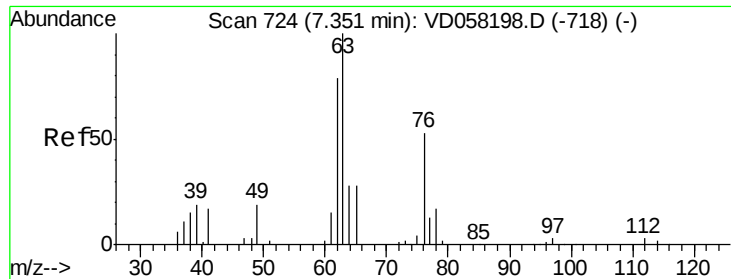
Trichloroethene
 Concen: 24.491 ug/l
 RT: 6.99 min Scan# 687
 Delta R.T. 0.01 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

Tgt Ion:130 Resp: 182113
 Ion Ratio Lower Upper
 130 100
 95 103.4 0.0 205.6



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





#45

1,2-Dichloropropane

Concen: 23.228 ug/l

RT: 7.35 min Scan# 724

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

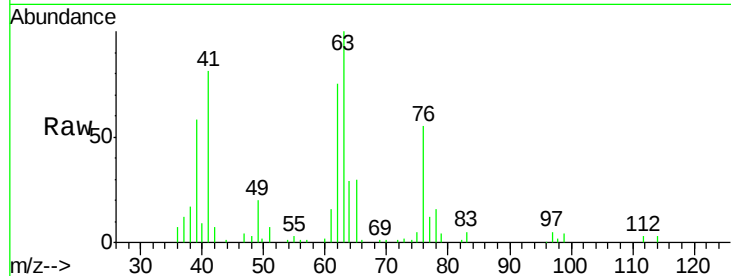
ClientSampleId :

Tot Ion: 63 Resp: 154912

Ion Ratio Lower Upper

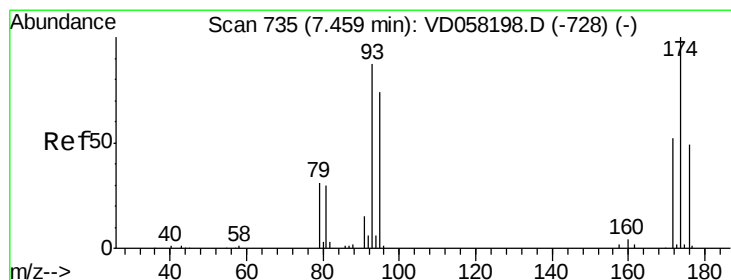
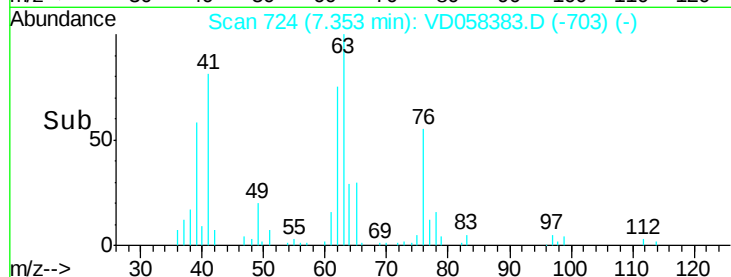
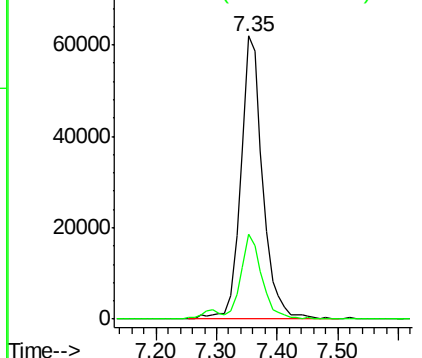
63 100

65 30.0 24.0 36.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.250 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

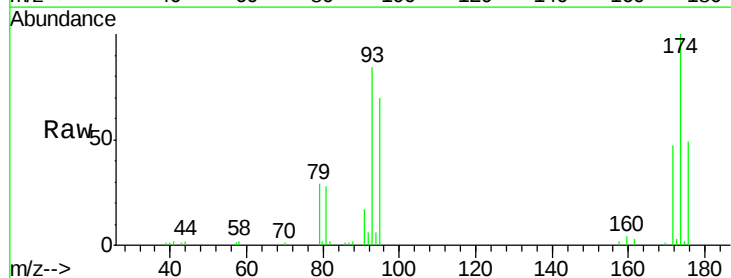
Tgt Ion: 93 Resp: 101296

Ion Ratio Lower Upper

93 100

95 82.9 67.8 101.6

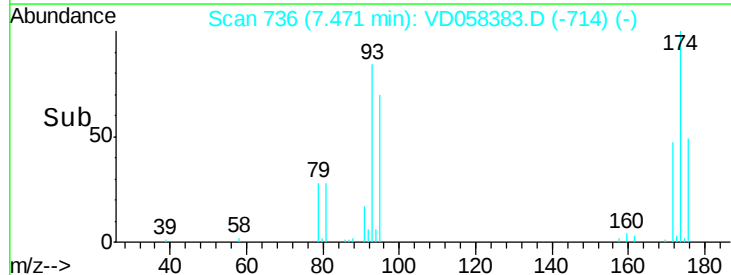
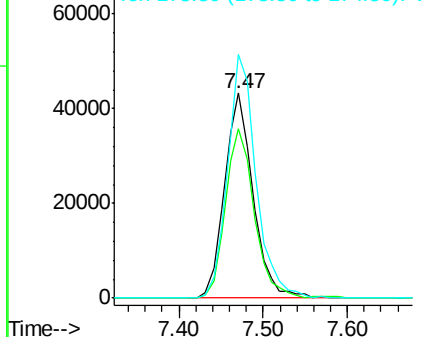
174 118.7 92.2 138.2

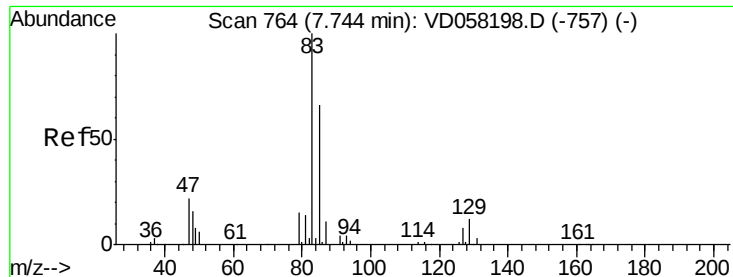


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.794 ug/l

RT: 7.75 min Scan# 764

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

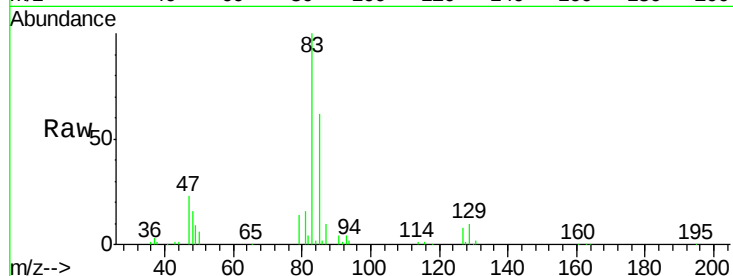
Tot Ion: 83 Resp: 226262

Ion Ratio Lower Upper

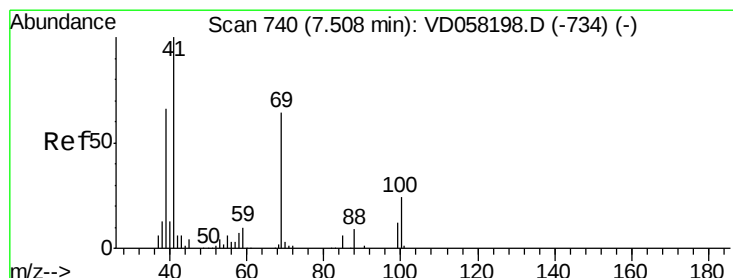
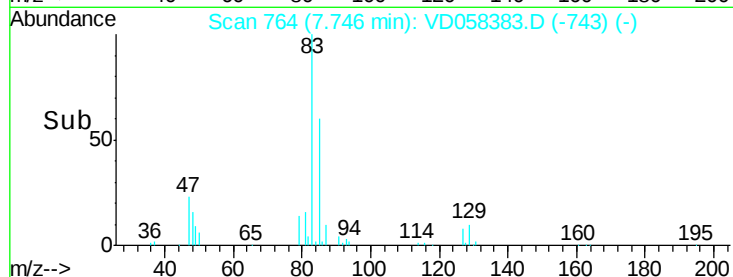
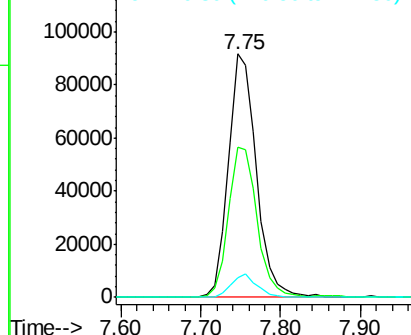
83 100

85 61.8 52.6 78.8

127 8.0 6.2 9.4



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): V



#48

Methyl methacrylate

Concen: 21.062 ug/l

RT: 7.51 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

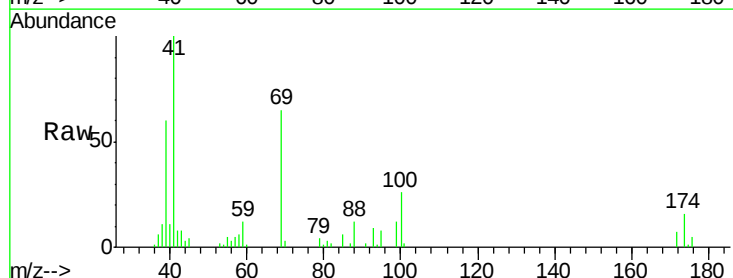
Tgt Ion: 41 Resp: 101083

Ion Ratio Lower Upper

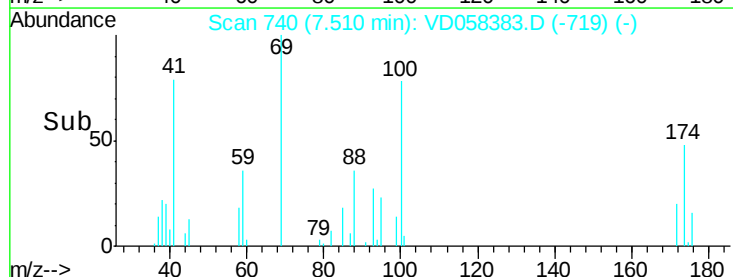
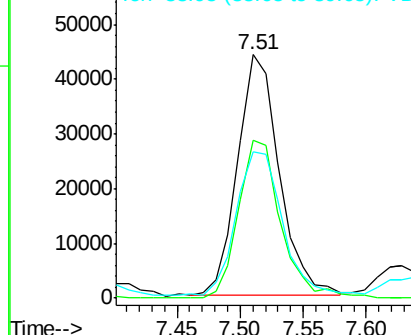
41 100

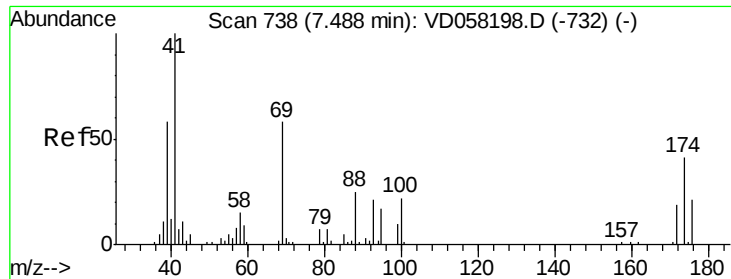
69 64.6 50.7 76.1

39 60.3 52.6 78.8



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: 418.560 ug/l

RT: 7.50 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :
MSVOA_D
ClientSampleId :

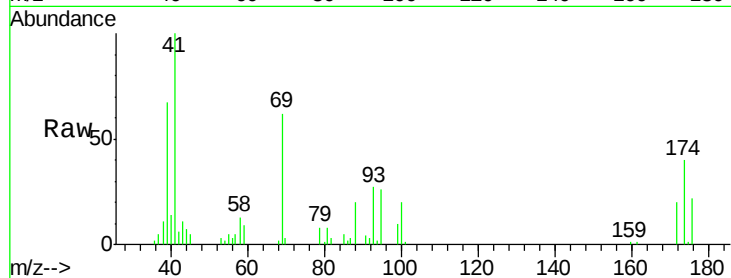
Tot Ion: 88 Resp: 18133

Ion Ratio Lower Upper

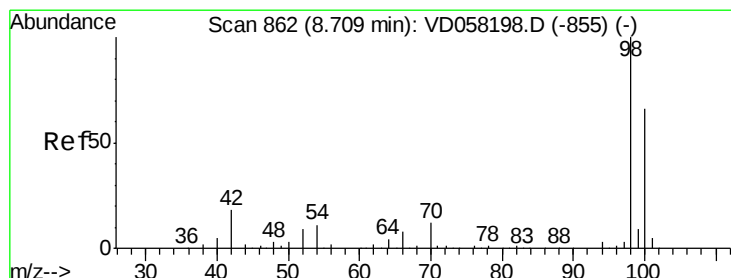
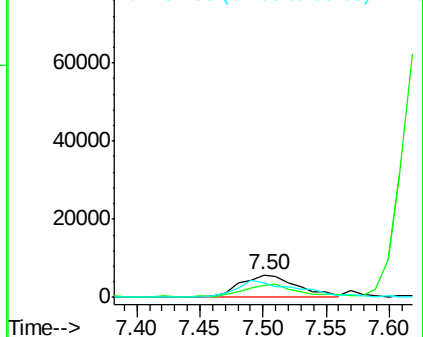
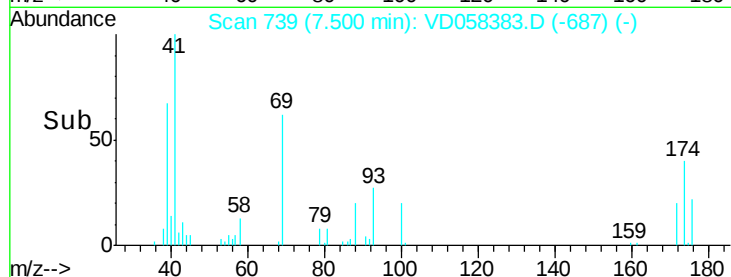
88 100

43 55.1 34.2 51.2#

58 66.4 47.9 71.9



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: 418.560 ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058383.D

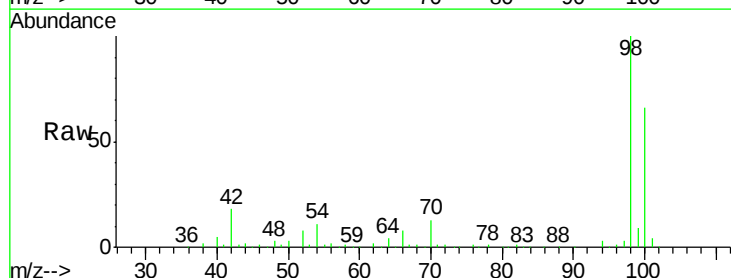
Acq: 24 Jun 2018 20:36

Tgt Ion: 98 Resp: 1134379

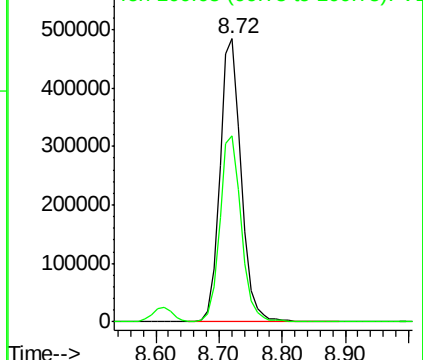
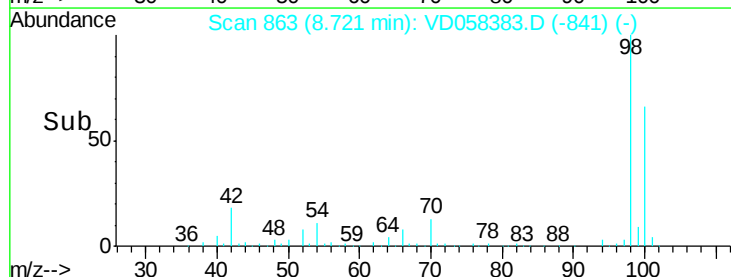
Ion Ratio Lower Upper

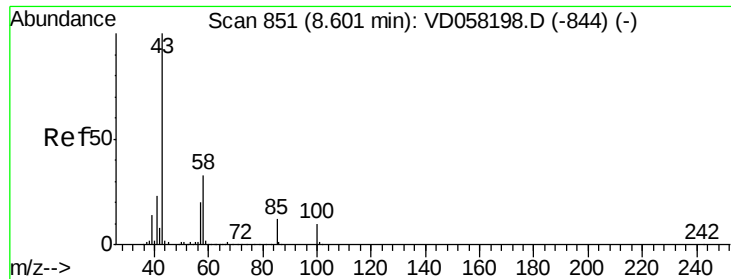
98 100

100 65.8 53.6 80.4



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: 109.361 ug/l

RT: 8.61 min Scan# 852

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

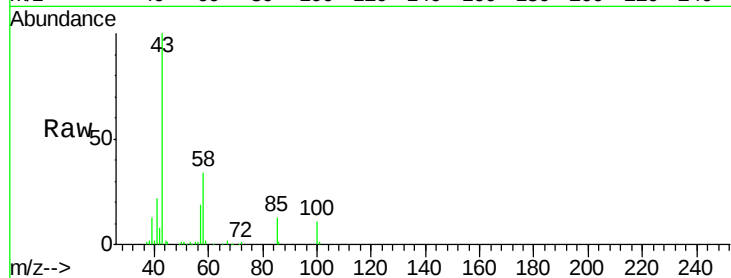
ClientSampleId :

Tot Ion: 43 Resp: 563285

Ion Ratio Lower Upper

43 100

58 33.9 26.7 40.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.61

250000

200000

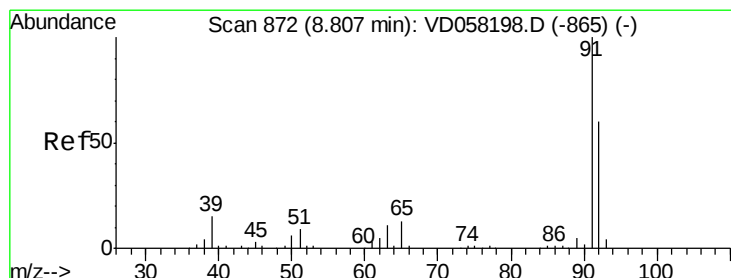
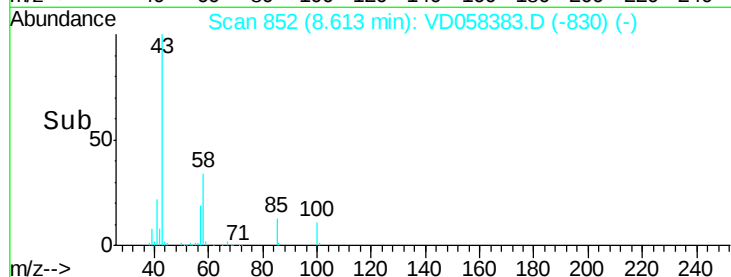
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.037 ug/l

RT: 8.81 min Scan# 872

Delta R.T. 0.00 min

Lab File: VD058383.D

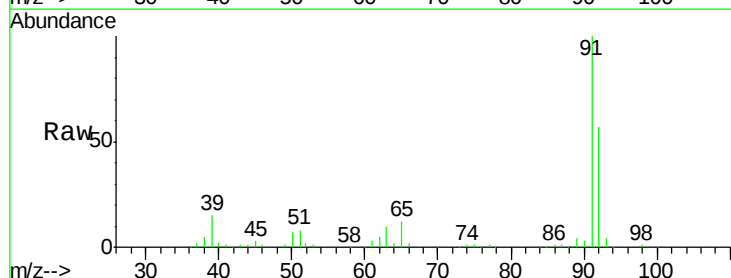
Acq: 24 Jun 2018 20:36

Tgt Ion: 92 Resp: 310732

Ion Ratio Lower Upper

92 100

91 174.6 133.2 199.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.81

250000

200000

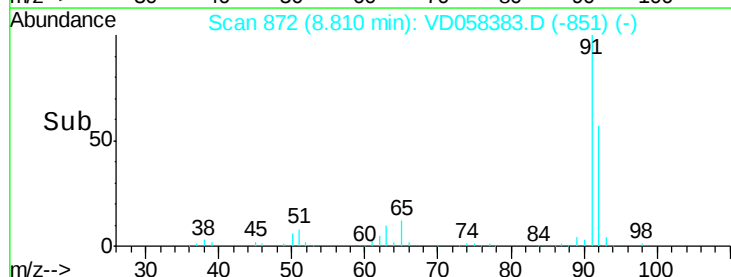
150000

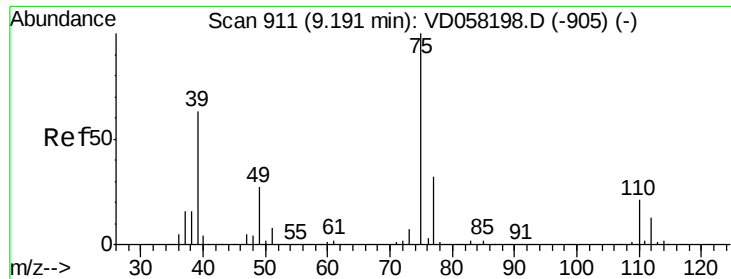
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.846 ug/l

RT: 9.19 min Scan# 911

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

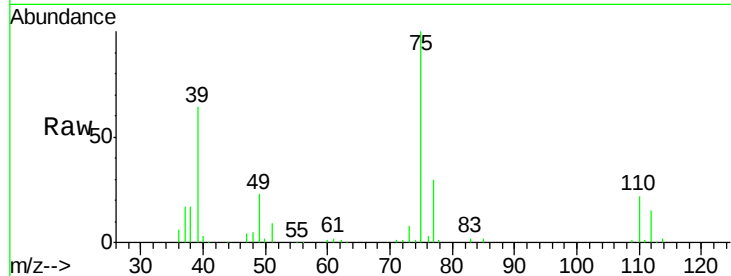
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 197184

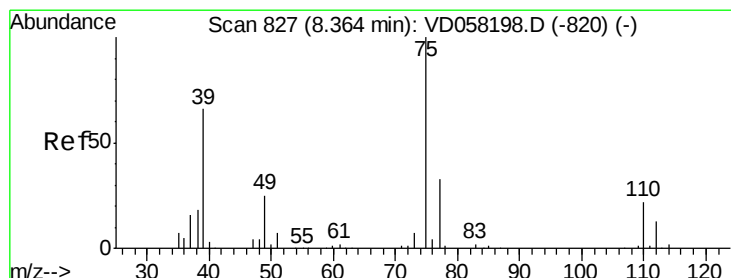
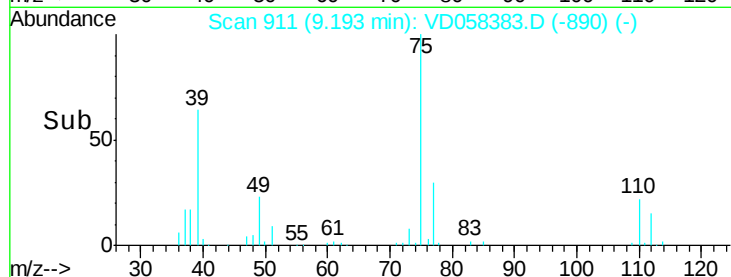
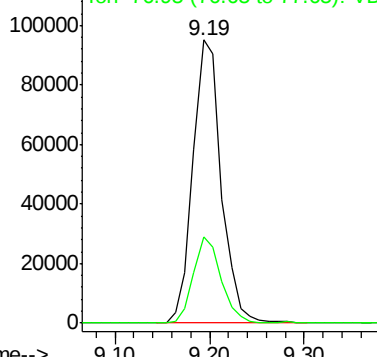
Ion Ratio Lower Upper

75 100

77 30.3 25.8 38.8



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



#54

cis-1,3-Dichloropropene

Concen: 21.557 ug/l

RT: 8.37 min Scan# 827

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

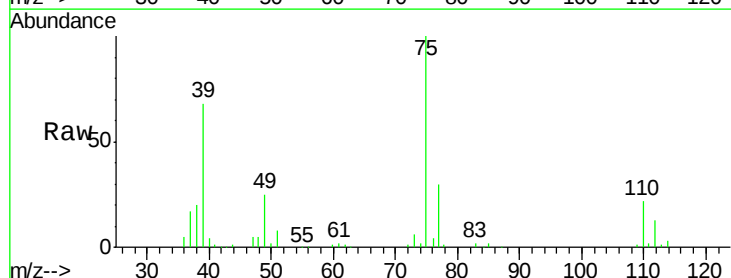
Tgt Ion: 75 Resp: 228116

Ion Ratio Lower Upper

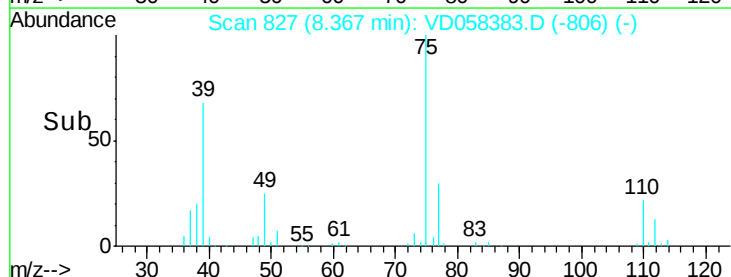
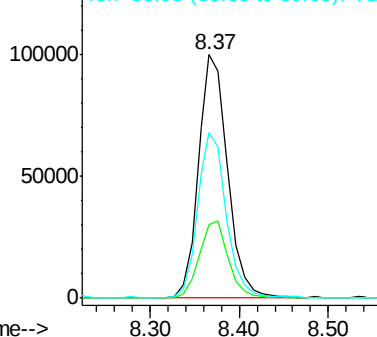
75 100

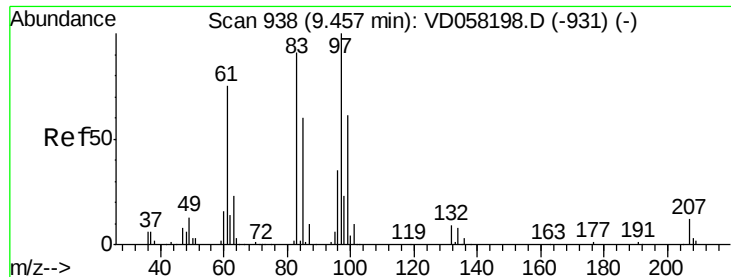
77 30.0 26.5 39.7

39 68.1 52.9 79.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC

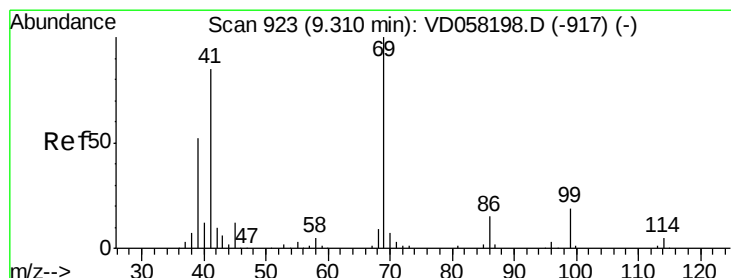
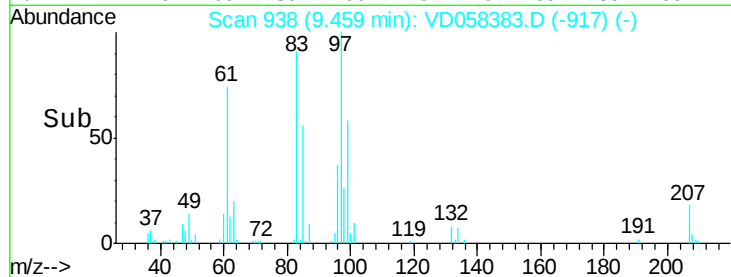
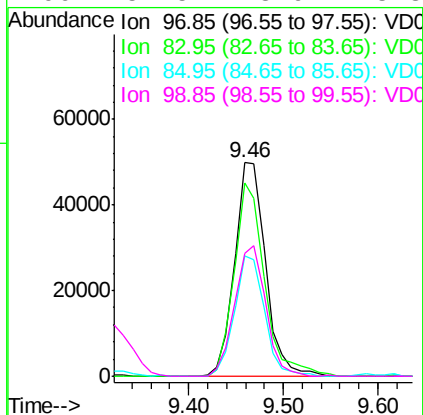
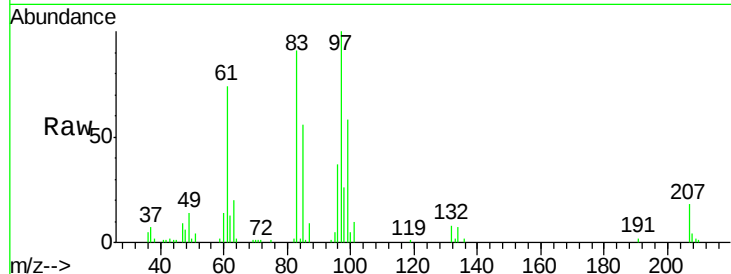




#55
 1,1,2-Trichloroethane
 Concen: 22.664 ug/l
 RT: 9.46 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

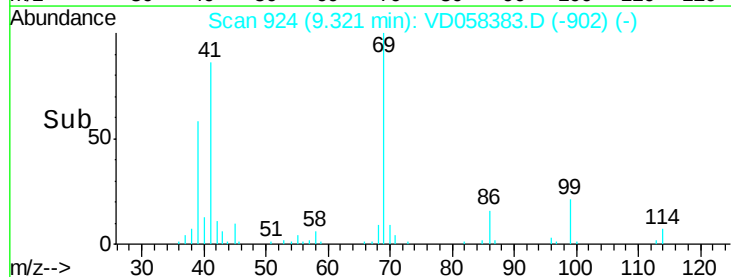
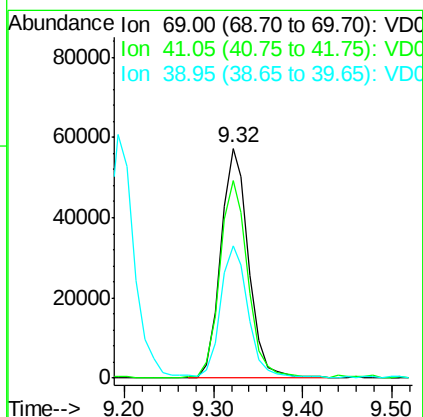
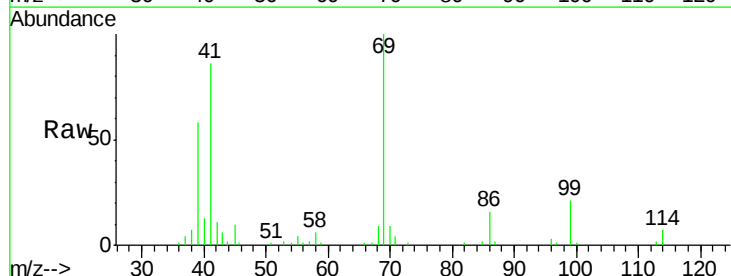
Instrument :
 MSVOA_D
 ClientSampleId :

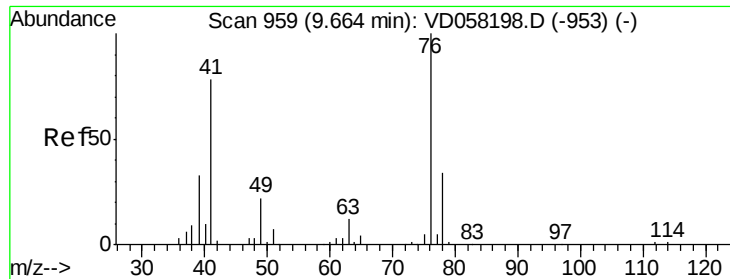
Tot Ion:	97	Resp:	113066
Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.9	109.3
85	56.3	48.2	72.4
99	57.5	48.9	73.3



#56
 Ethyl methacrylate
 Concen: 20.987 ug/l
 RT: 9.32 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

Tgt Ion:	69	Resp:	125215
Ion	Ratio	Lower	Upper
69	100		
41	86.2	67.6	101.4
39	57.6	42.2	63.2





#57

1,3-Dichloropropane

Concen: 21.966 ug/l

RT: 9.68 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

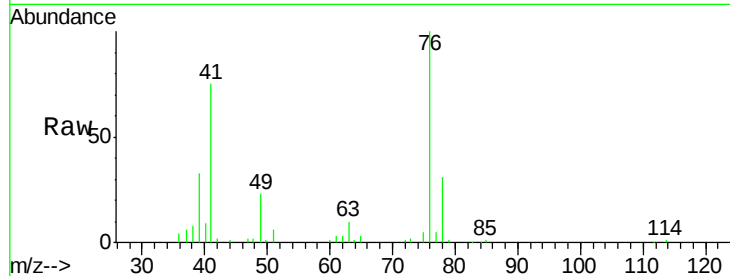
ClientSampleId :

Tot Ion: 76 Resp: 184591

Ion Ratio Lower Upper

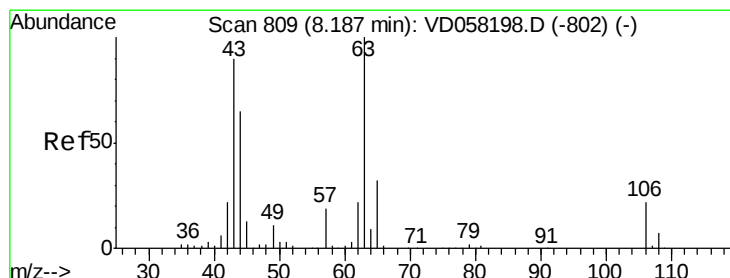
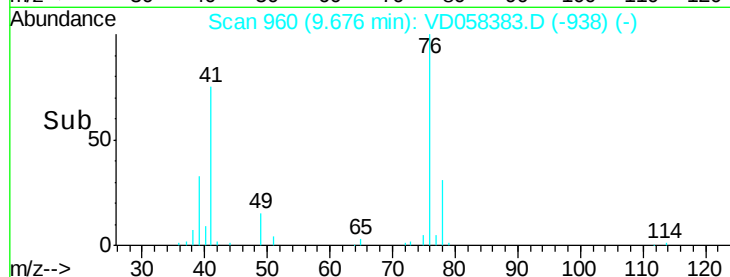
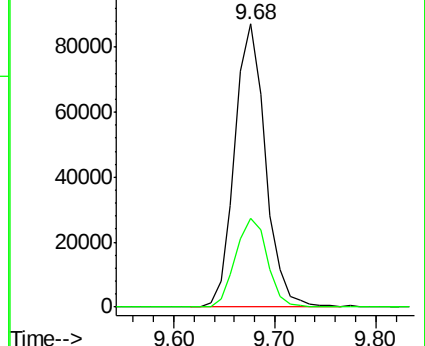
76 100

78 31.4 27.0 40.6



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 123.230 ug/l

RT: 8.20 min Scan# 810

Delta R.T. 0.01 min

Lab File: VD058383.D

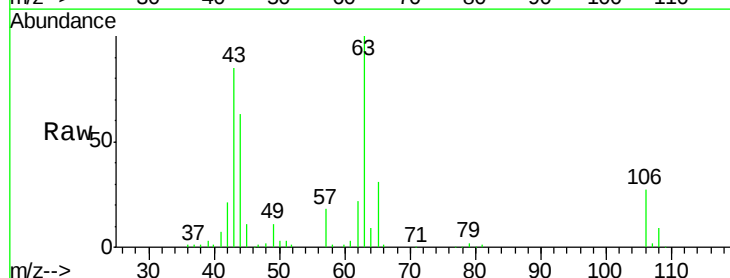
Acq: 24 Jun 2018 20:36

Tgt Ion: 63 Resp: 363977

Ion Ratio Lower Upper

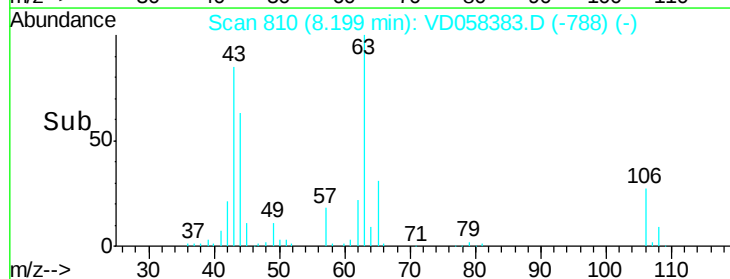
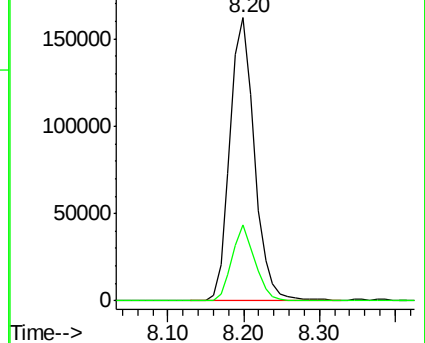
63 100

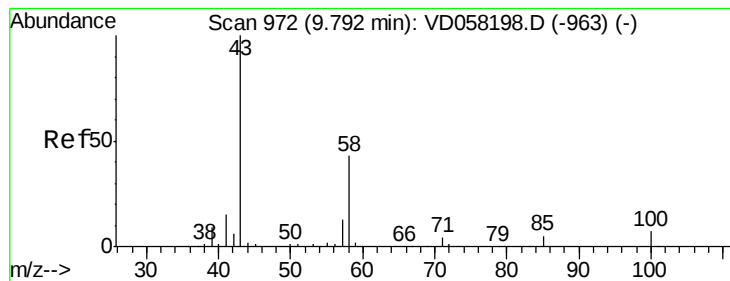
106 26.7 18.0 27.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 107.958 ug/l

RT: 9.79 min Scan# 972

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

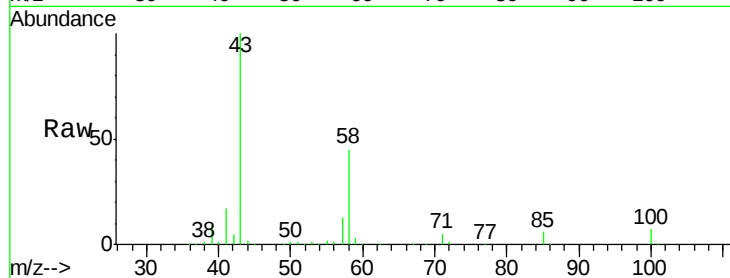
ClientSampleId :

Tot Ion: 43 Resp: 401799

Ion Ratio Lower Upper

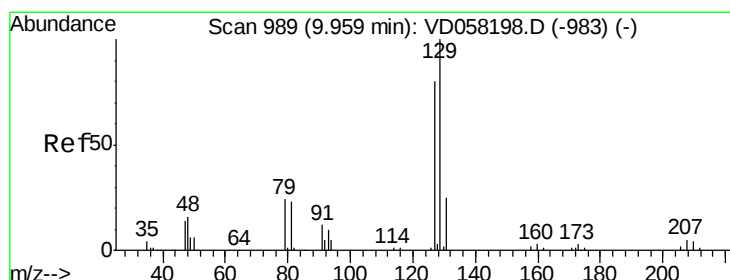
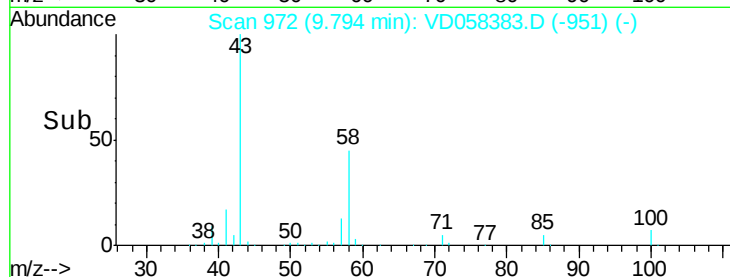
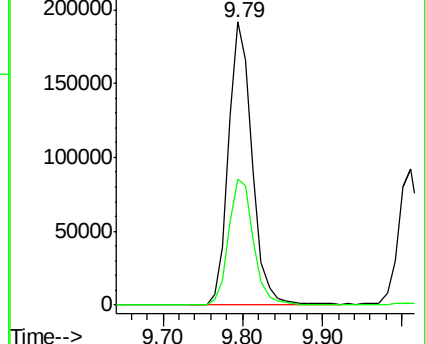
43 100

58 44.7 21.7 65.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 23.655 ug/l

RT: 9.97 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD058383.D

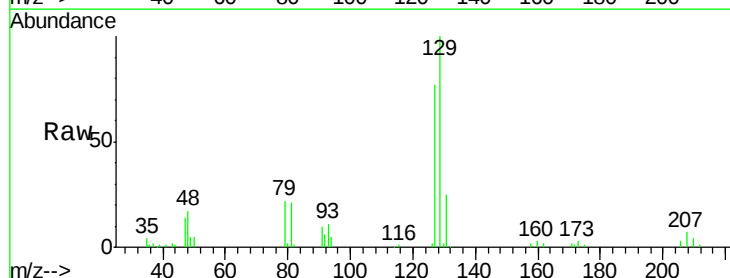
Acq: 24 Jun 2018 20:36

Tgt Ion:129 Resp: 160153

Ion Ratio Lower Upper

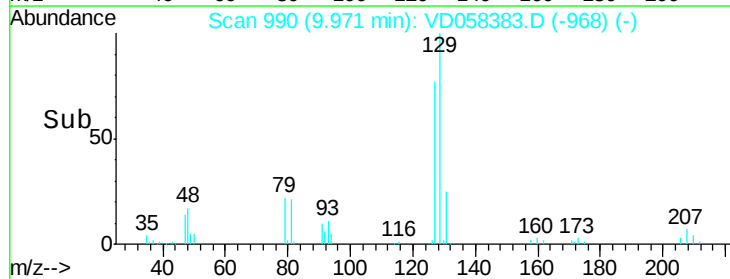
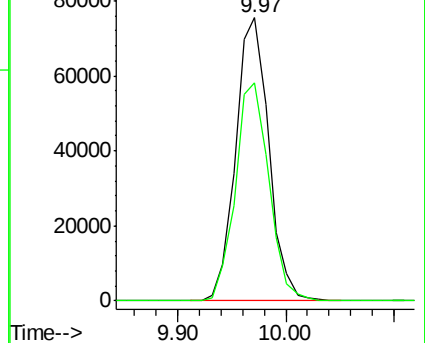
129 100

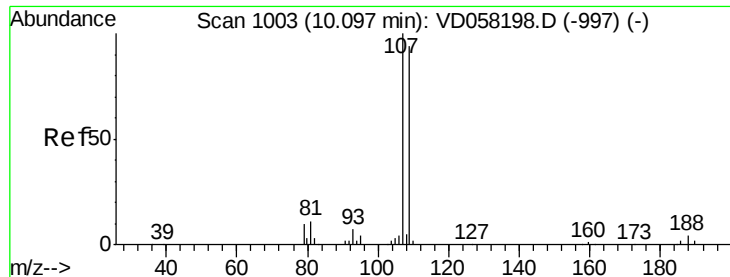
127 77.1 39.8 119.4



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

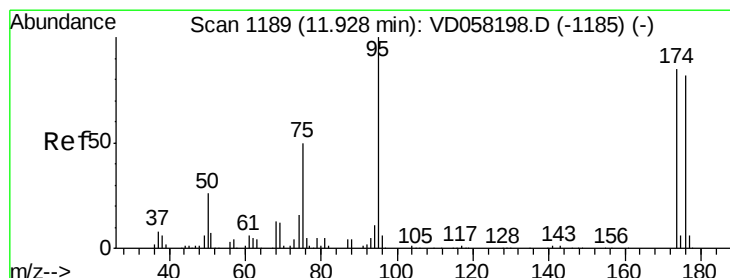
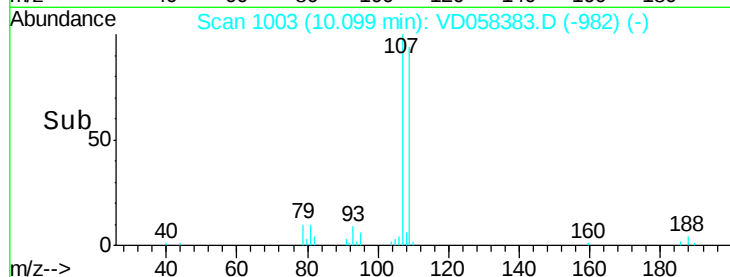
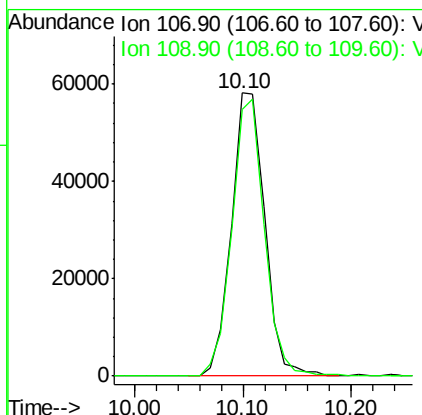
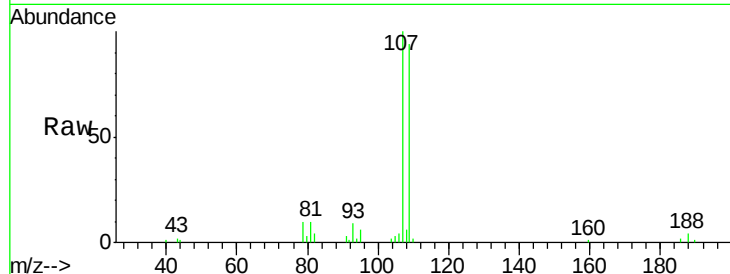




#61
 1,2-Dibromoethane
 Concen: 22.818 ug/l
 RT: 10.10 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

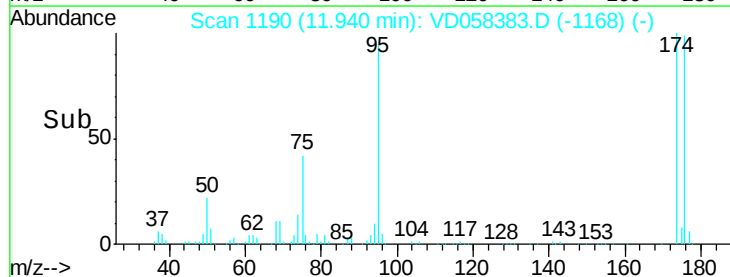
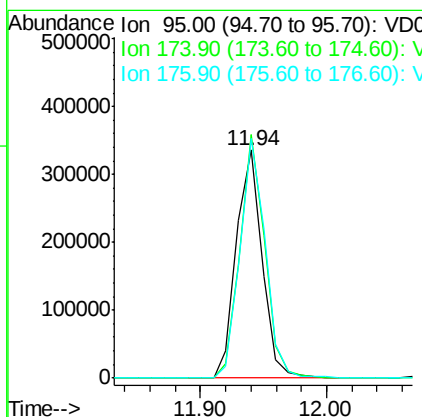
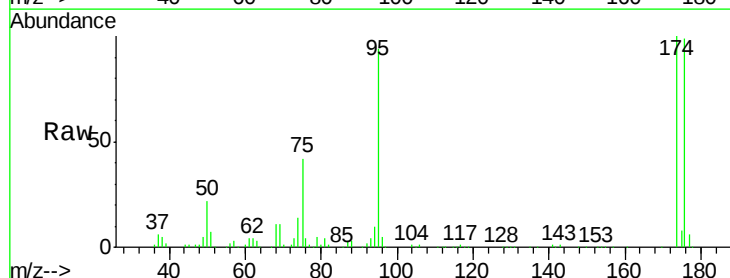
Instrument :
 MSVOA_D
 ClientSampleId :

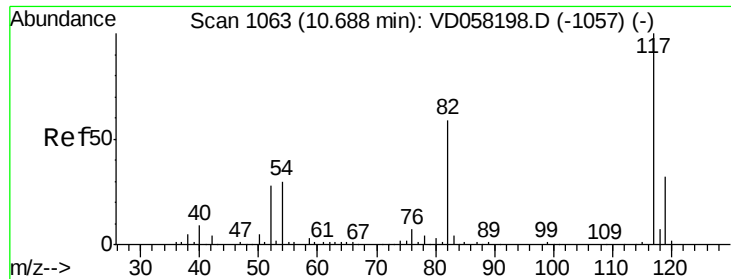
Tot Ion: 107 Resp: 124589
 Ion Ratio Lower Upper
 107 100
 109 94.2 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 22.818 ug/l
 RT: 11.94 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

Tgt Ion: 95 Resp: 472940
 Ion Ratio Lower Upper
 95 100
 174 106.9 0.0 170.2
 176 105.3 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.70 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

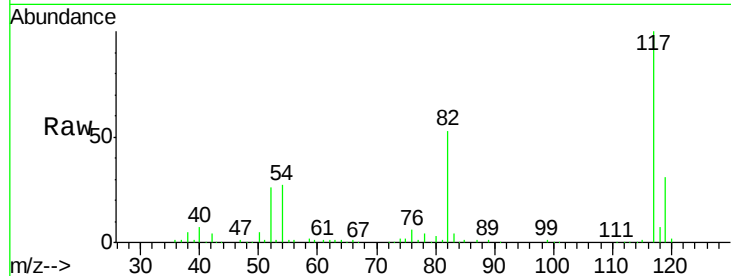
Tot Ion:117 Resp: 855686

Ion Ratio Lower Upper

117 100

82 53.4 47.0 70.6

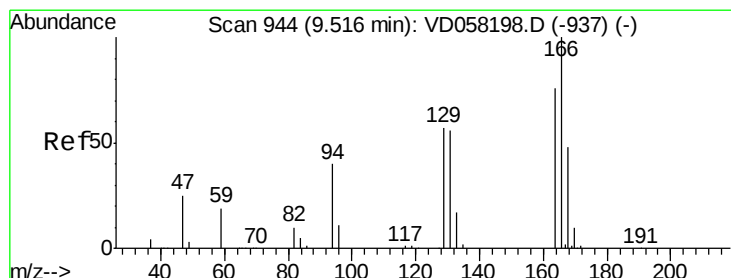
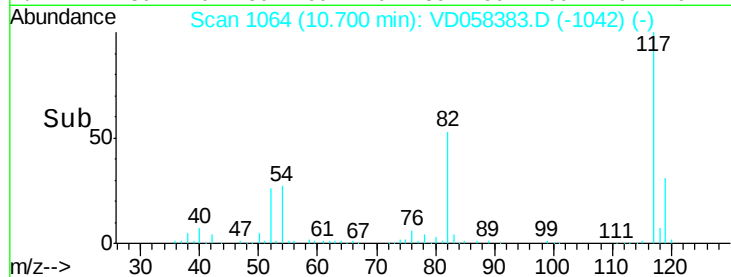
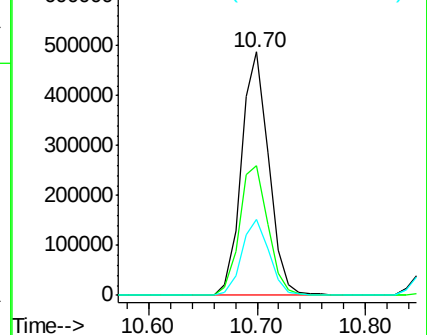
119 31.4 25.3 37.9



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: 25.553 ug/l

RT: 9.52 min Scan# 944

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Tgt Ion:164 Resp: 183978

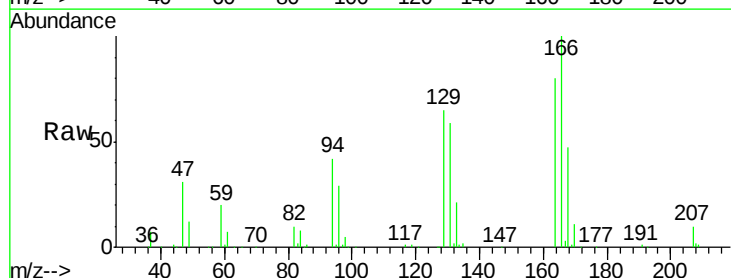
Ion Ratio Lower Upper

164 100

166 124.8 105.4 158.0

129 80.8 59.6 89.4

131 73.1 59.4 89.2

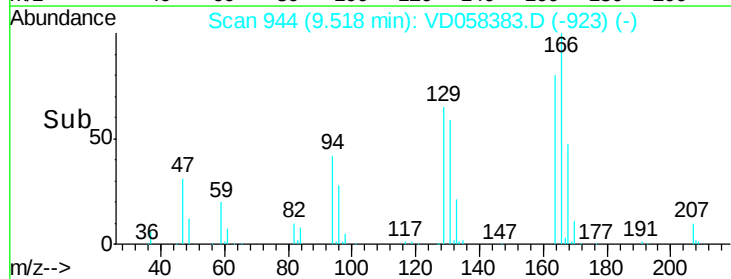
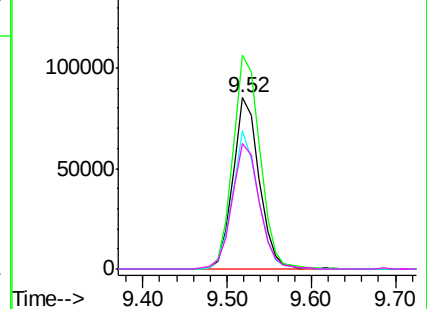


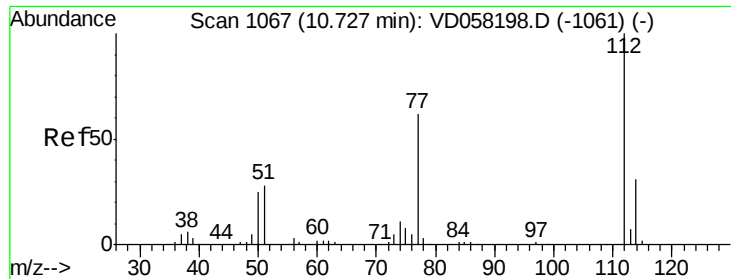
Abundance Ion 163.85 (163.55 to 164.55): V

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

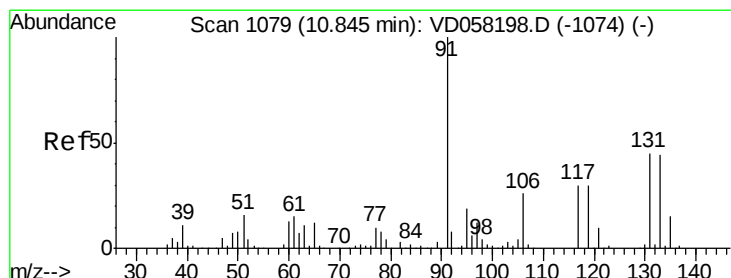
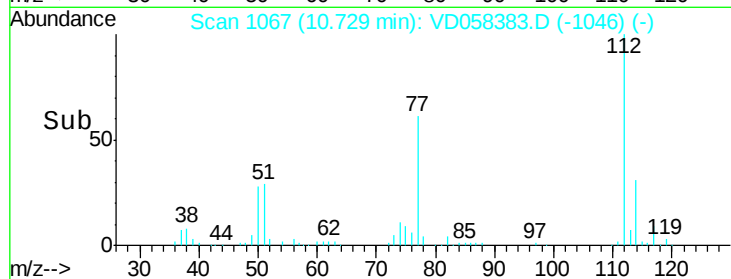
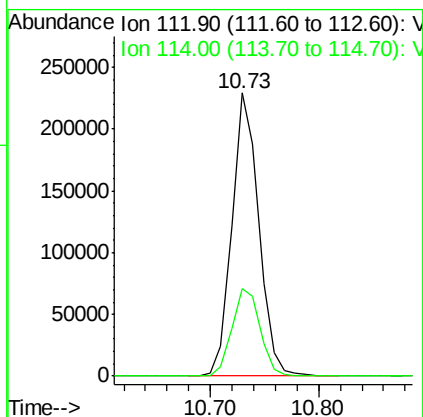
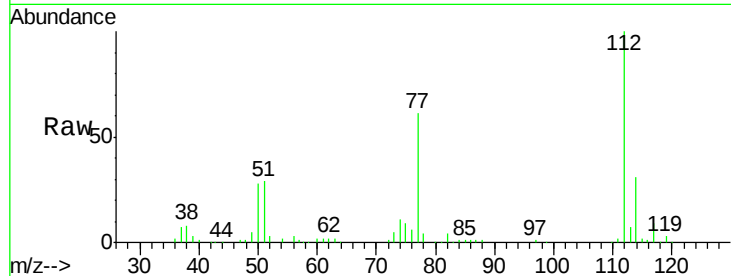




#65
Chlorobenzene
Concen: 24.711 ug/l
RT: 10.73 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

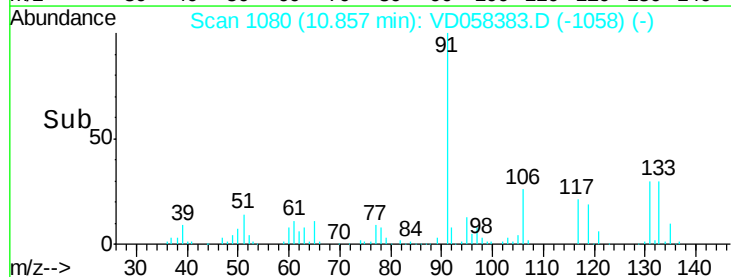
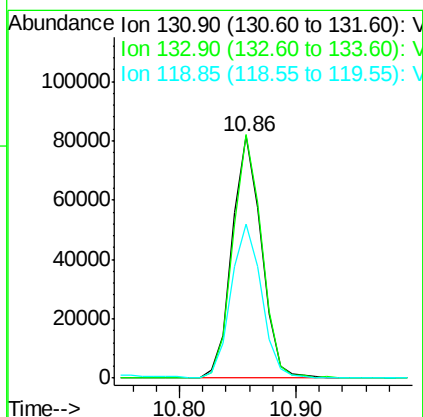
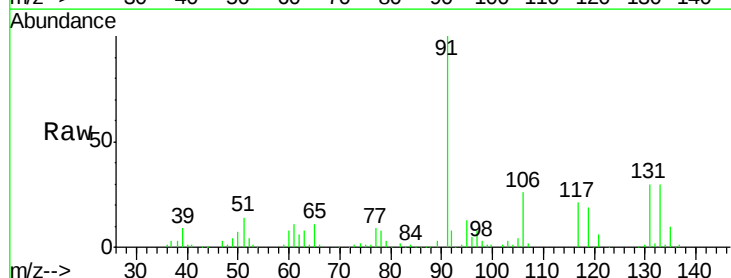
Instrument :
MSVOA_D
ClientSampled :

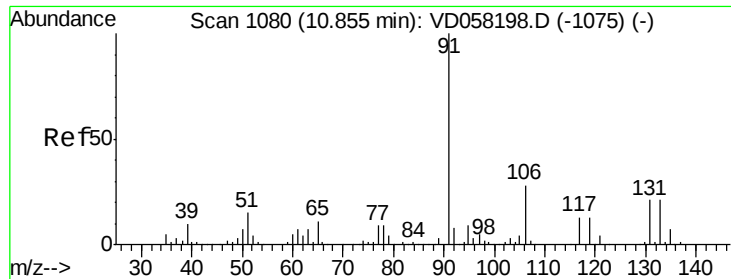
Tot Ion:112 Resp: 395520
Ion Ratio Lower Upper
112 100
114 30.8 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 22.980 ug/l
RT: 10.86 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

Tgt Ion:131 Resp: 141944
Ion Ratio Lower Upper
131 100
133 100.6 48.6 145.9
119 63.7 33.0 99.0

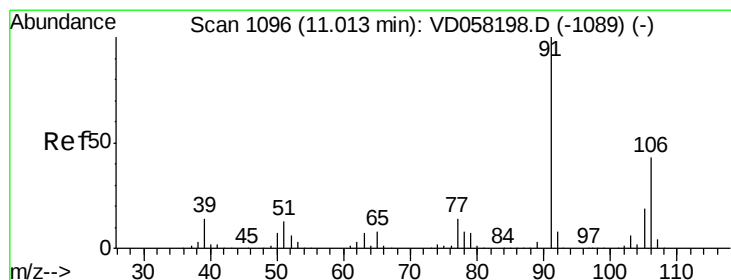
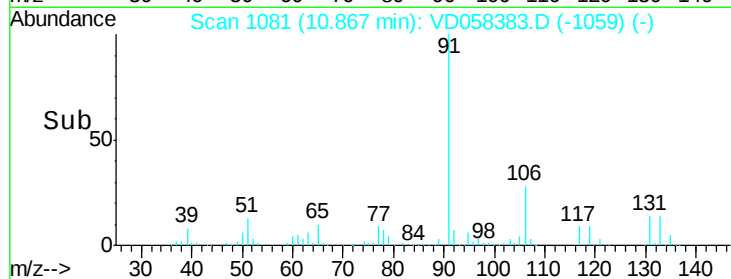
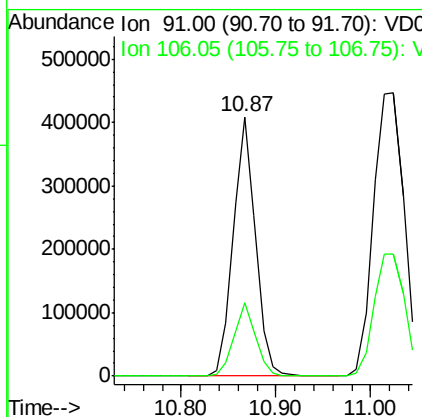
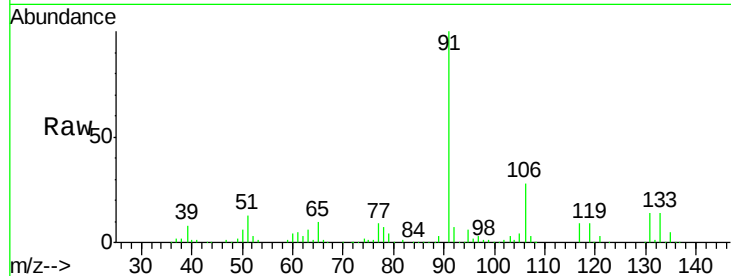




#67
Ethyl Benzene
Concen: 23.581 ug/l
RT: 10.87 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

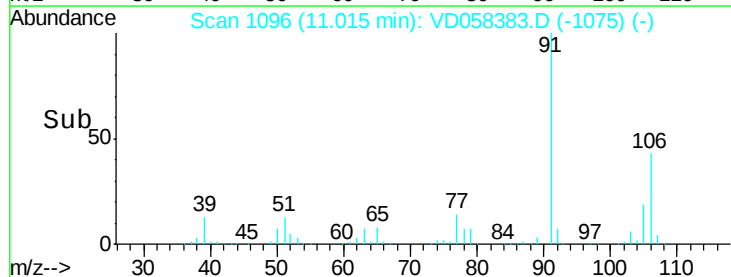
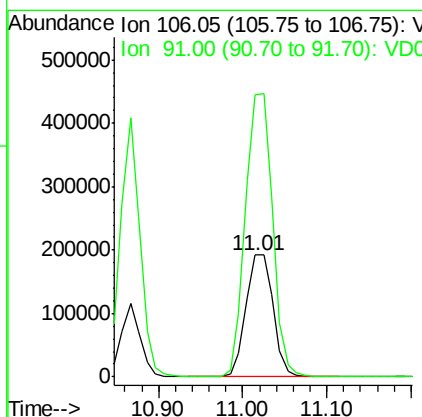
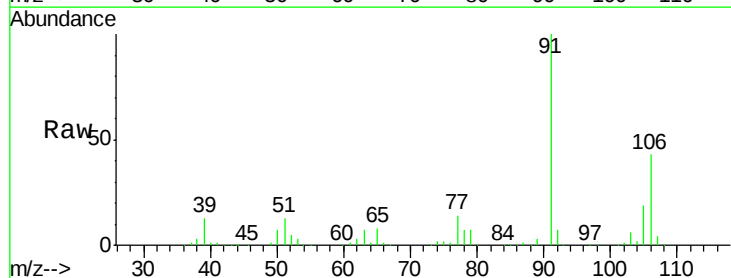
Instrument :
MSVOA_D
ClientSampled :

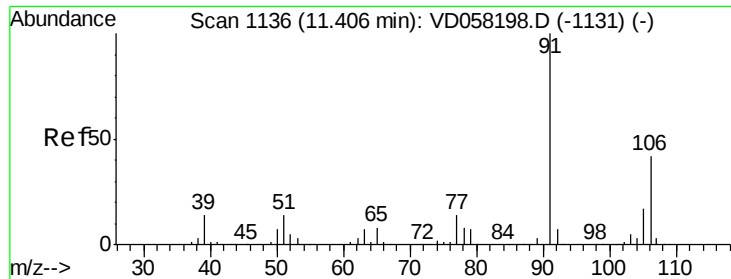
Tot Ion: 91 Resp: 666332
Ion Ratio Lower Upper
91 100
106 28.3 22.0 33.0



#68
m/p-Xylenes
Concen: 46.532 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

Tgt Ion: 106 Resp: 438483
Ion Ratio Lower Upper
106 100
91 232.0 185.0 277.6

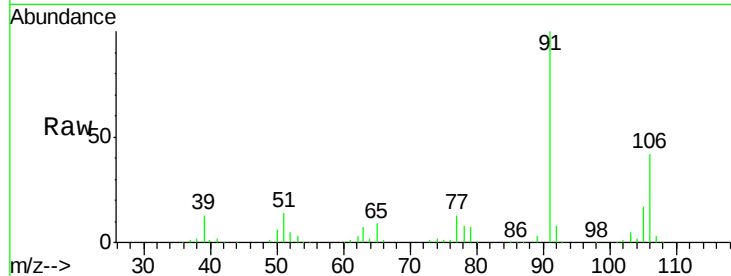




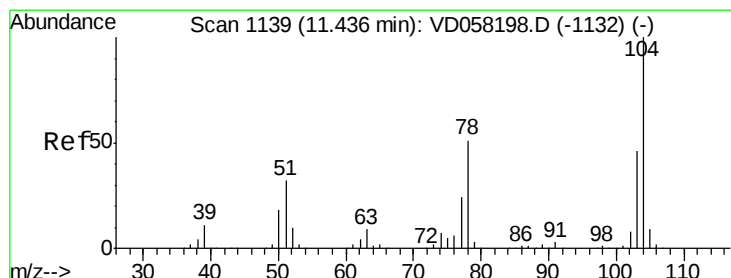
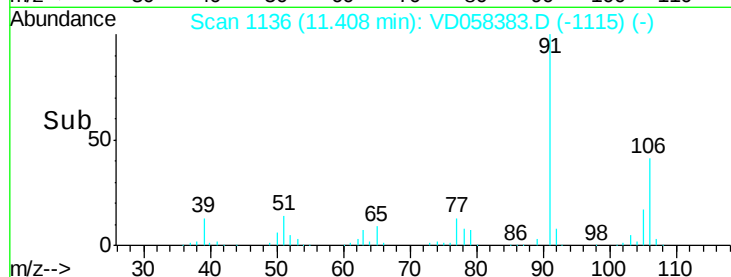
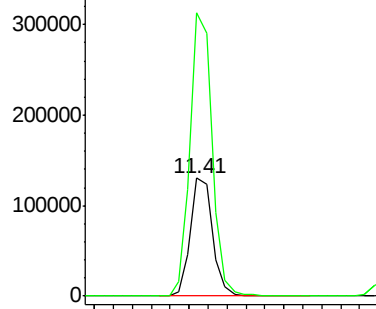
#69
o-Xylene
Concen: 23.640 ug/l
RT: 11.41 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion:106 Resp: 212765
Ion Ratio Lower Upper
106 100
91 240.6 120.2 360.6

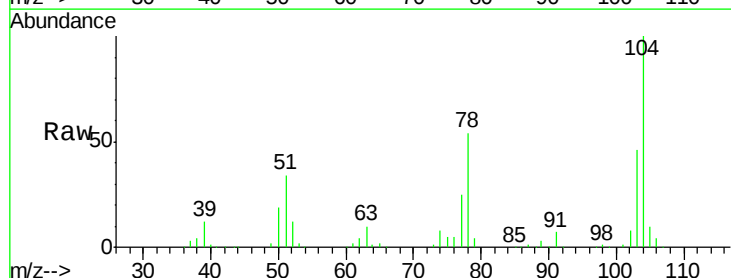


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

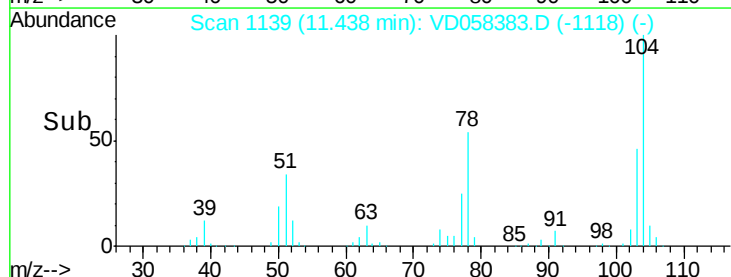
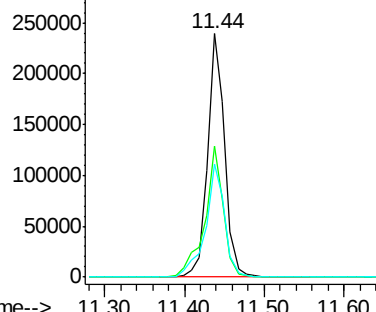


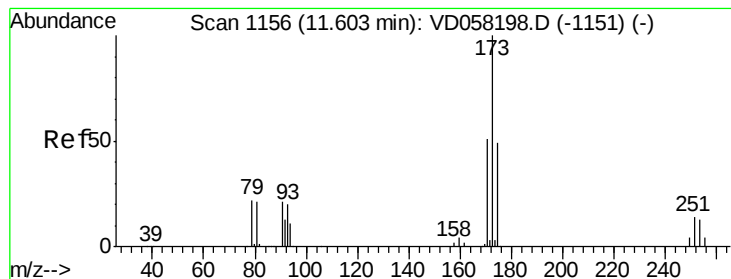
#70
Styrene
Concen: 23.214 ug/l
RT: 11.44 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD058383.D
Acq: 24 Jun 2018 20:36

Tgt Ion:104 Resp: 356518
Ion Ratio Lower Upper
104 100
78 54.0 40.8 61.2
103 46.4 37.0 55.6



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





#71

Bromoform

Concen: 22.765 ug/l

RT: 11.61 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

ClientSampled :

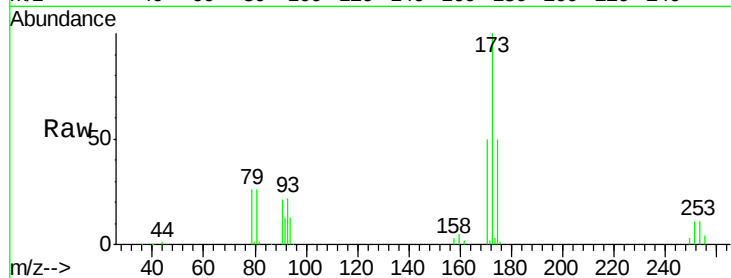
Tot Ion:173 Resp: 112174

Ion Ratio Lower Upper

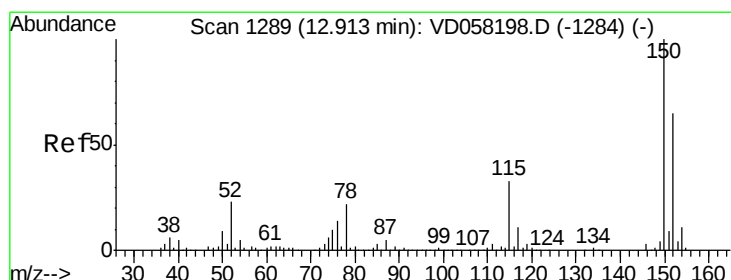
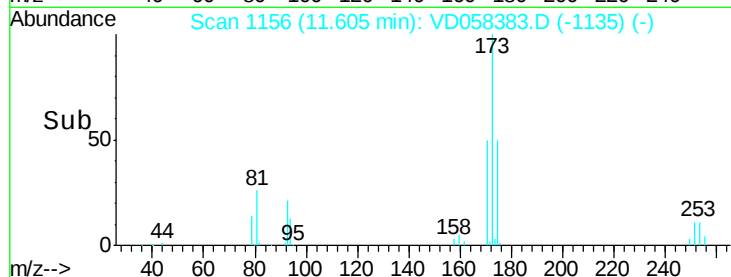
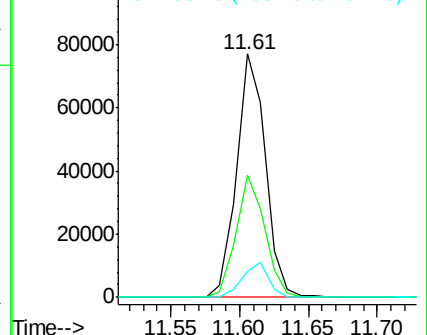
173 100

175 50.3 24.6 74.0

254 10.9 10.3 15.5



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: 12.91 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

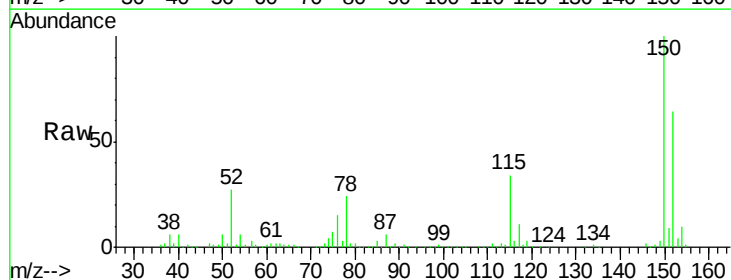
Tgt Ion:152 Resp: 440978

Ion Ratio Lower Upper

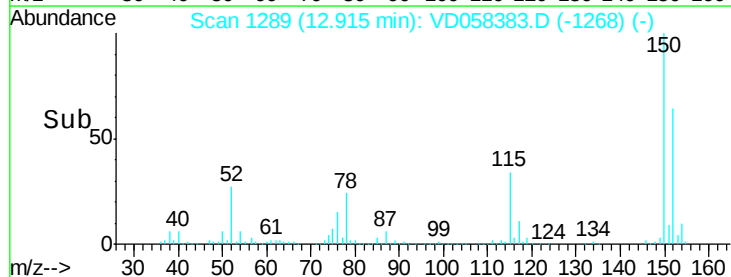
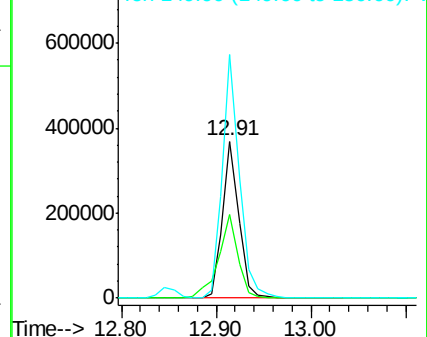
152 100

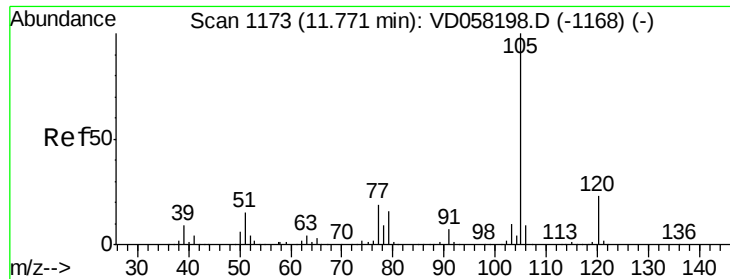
115 53.4 25.1 75.3

150 155.5 0.0 308.8



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: 23.791 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

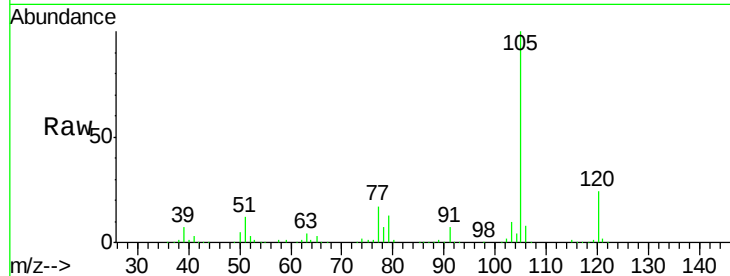
ClientSampleId :

Tot Ion:105 Resp: 627539

Ion Ratio Lower Upper

105 100

120 23.6 11.6 34.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.78

400000

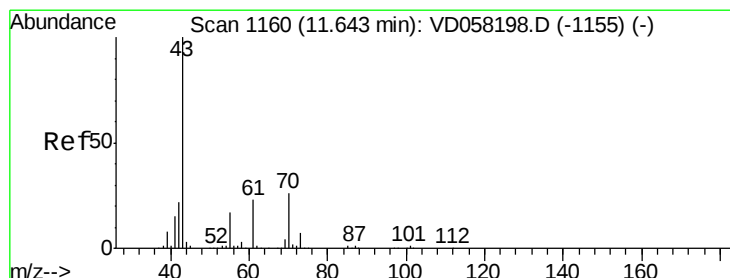
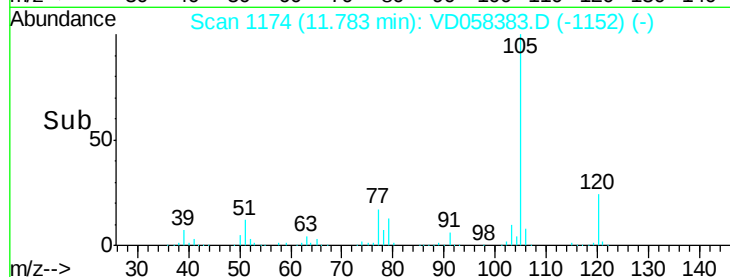
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.812 ug/l

RT: 11.65 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Tgt Ion: 43 Resp: 212258

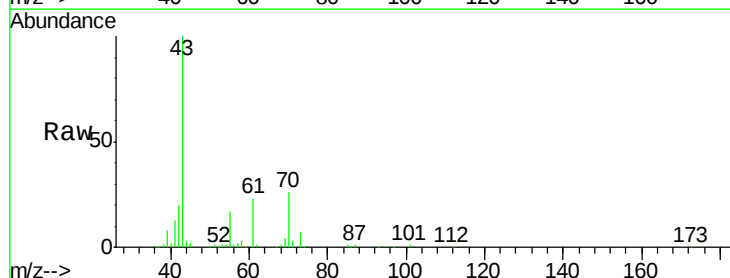
Ion Ratio Lower Upper

43 100

70 26.3 20.9 31.3

55 17.3 13.5 20.3

61 23.0 18.2 27.2



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

250000

200000

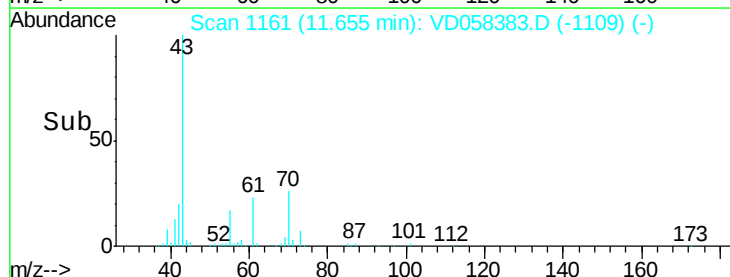
150000

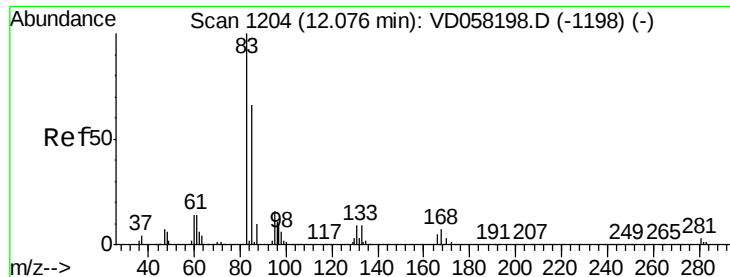
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.251 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

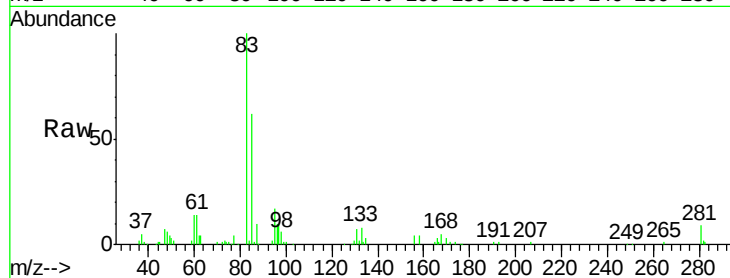
Tot Ion: 83 Resp: 136583

Ion Ratio Lower Upper

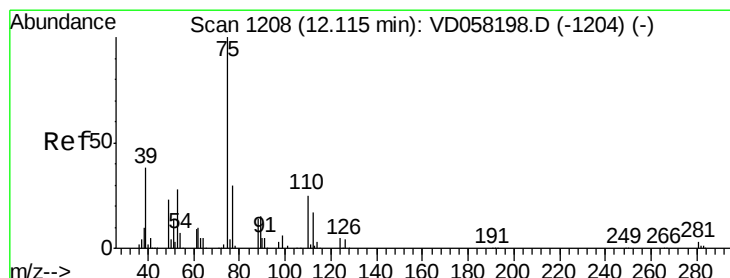
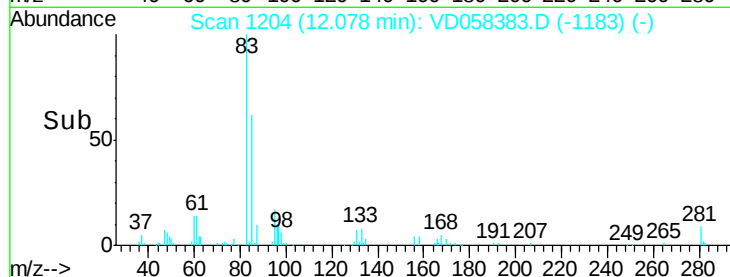
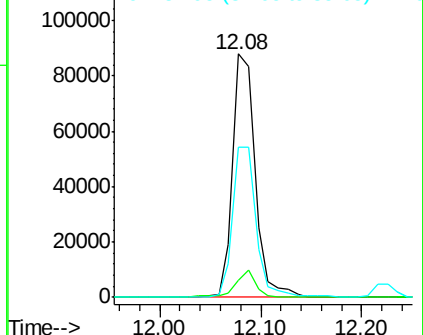
83 100

131 7.2 4.8 14.3

85 61.8 33.1 99.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 22.455 ug/l

RT: 12.12 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VD058383.D

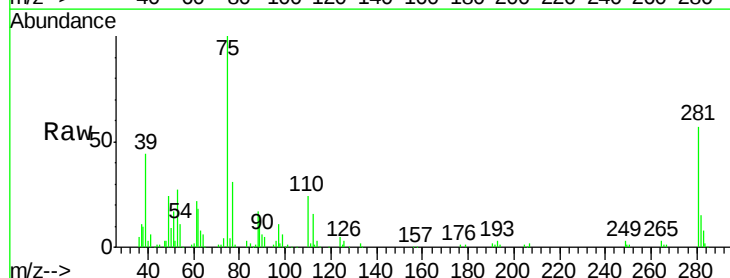
Acq: 24 Jun 2018 20:36

Tgt Ion: 75 Resp: 144577

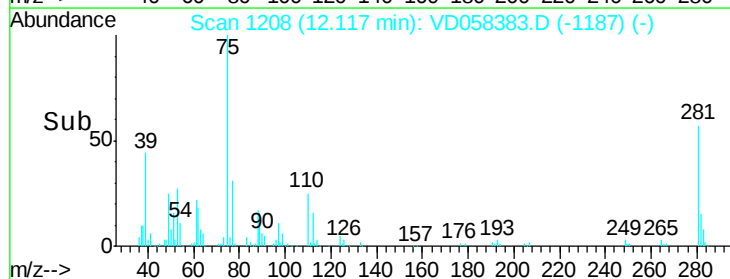
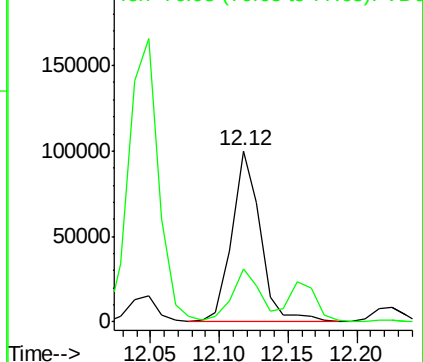
Ion Ratio Lower Upper

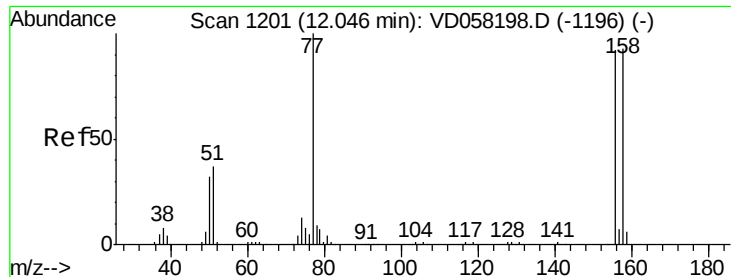
75 100

77 31.0 16.0 47.9



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





#77

Bromobenzene

Concen: 24.147 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

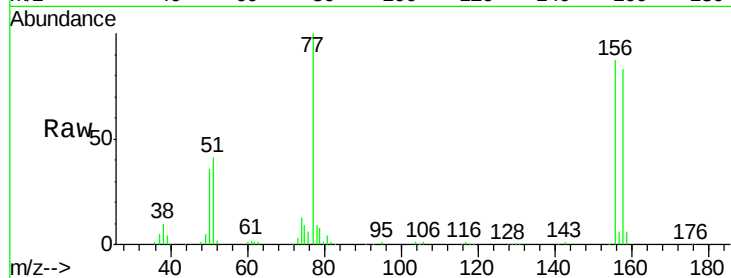
Tot Ion:156 Resp: 190727

Ion Ratio Lower Upper

156 100

77 115.5 54.5 163.6

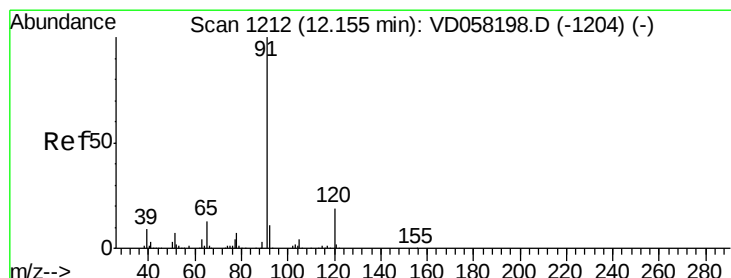
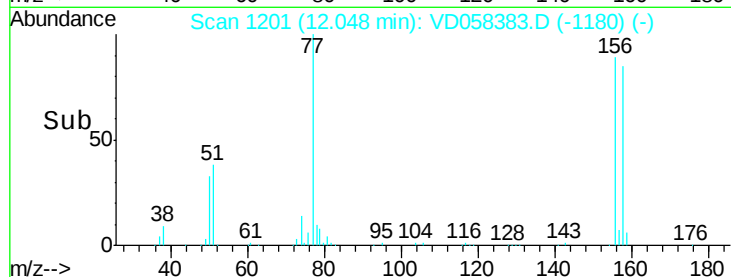
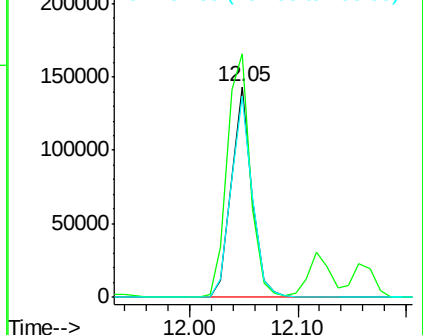
158 95.7 50.8 152.5



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 23.785 ug/l

RT: 12.16 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD058383.D

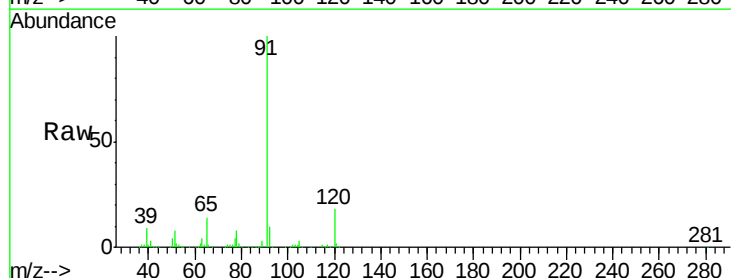
Acq: 24 Jun 2018 20:36

Tgt Ion: 91 Resp: 810193

Ion Ratio Lower Upper

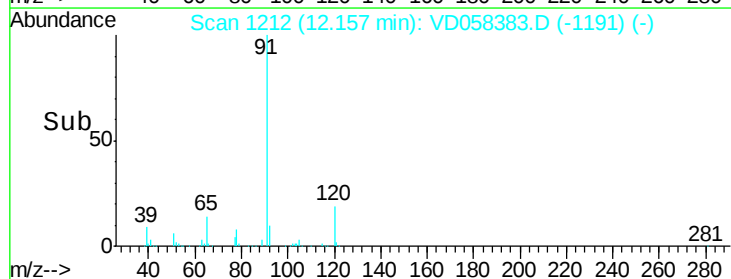
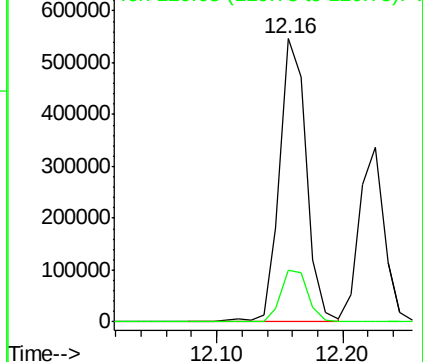
91 100

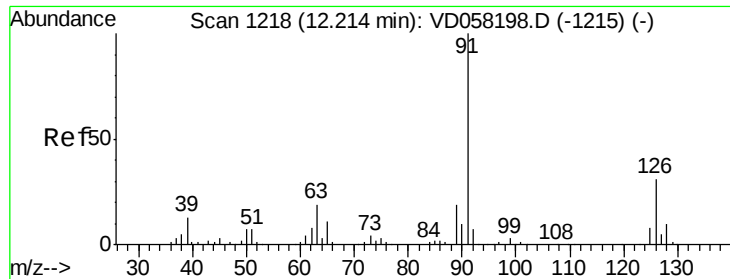
120 18.5 9.7 29.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

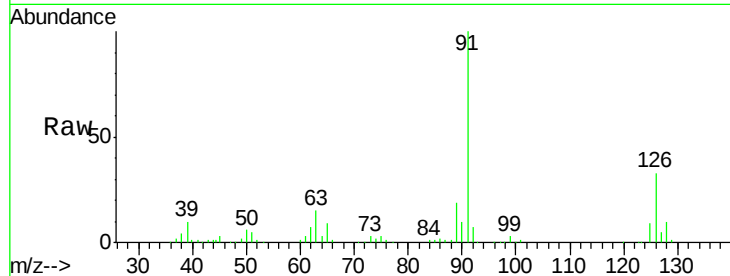




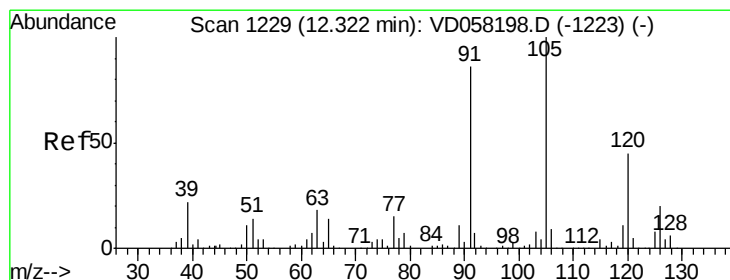
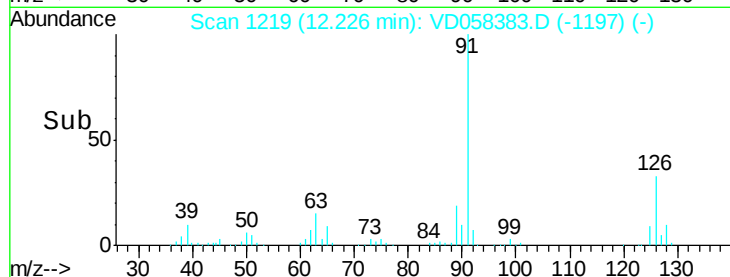
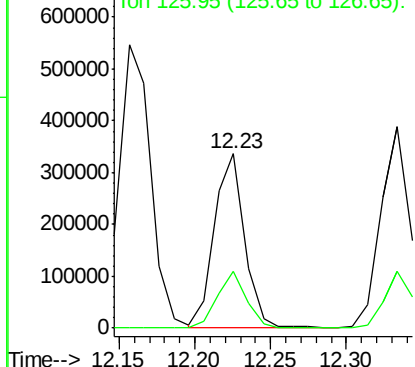
#79
 2-Chlorotoluene
 Concen: 23.930 ug/l
 RT: 12.23 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 466457
 Ion Ratio Lower Upper
 91 100
 126 32.7 14.9 44.5

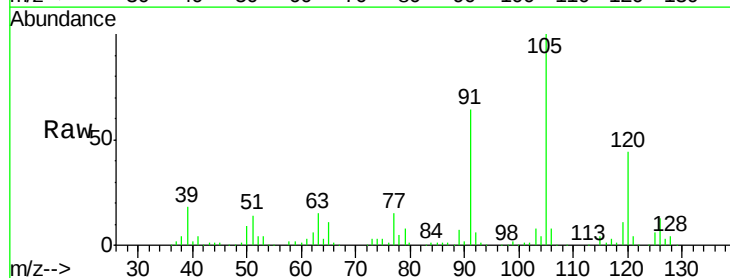


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

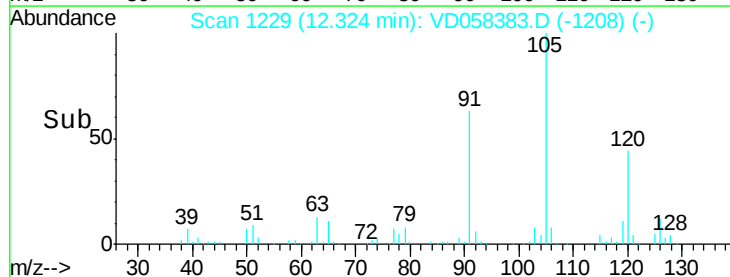
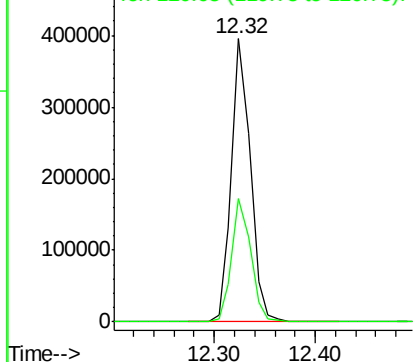


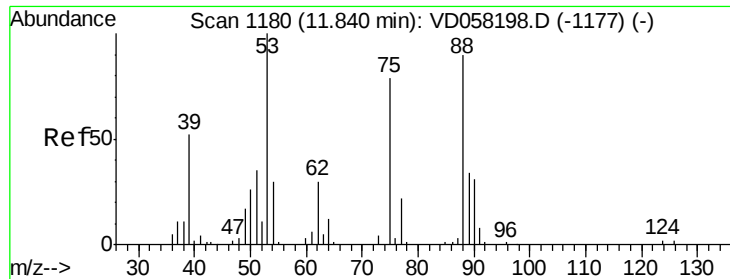
#80
 1,3,5-Trimethylbenzene
 Concen: 24.962 ug/l
 RT: 12.32 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

Tgt Ion: 105 Resp: 513541
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.5 67.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 18.727 ug/l

RT: 11.85 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

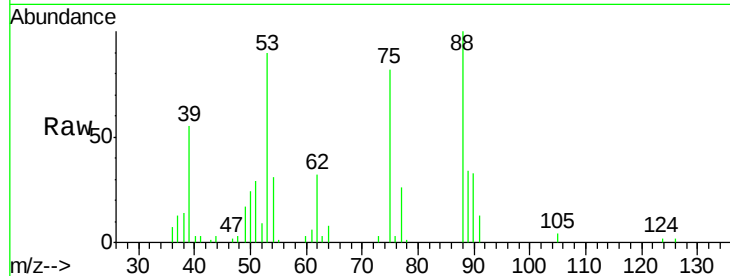
Tot Ion: 75 Resp: 29407

Ion Ratio Lower Upper

75 100

53 108.6 100.8 151.2

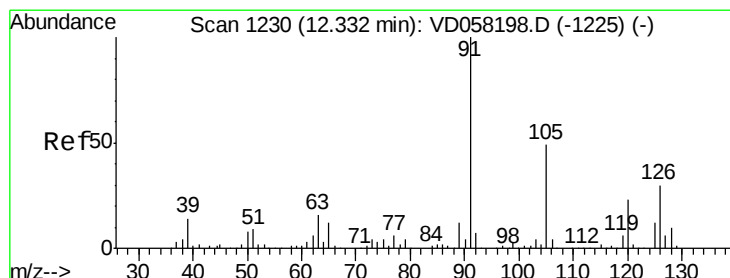
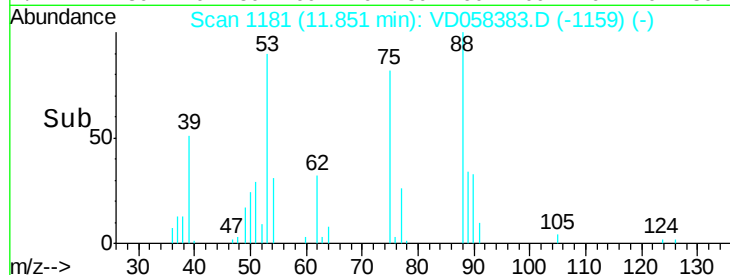
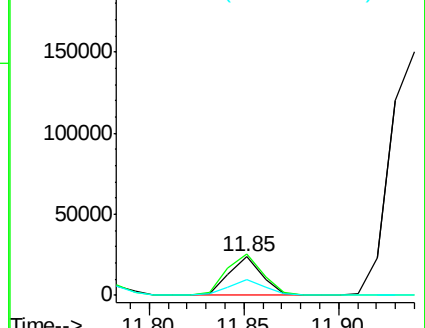
89 41.5 34.6 52.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 25.615 ug/l

RT: 12.33 min Scan# 1230

Delta R.T. 0.00 min

Lab File: VD058383.D

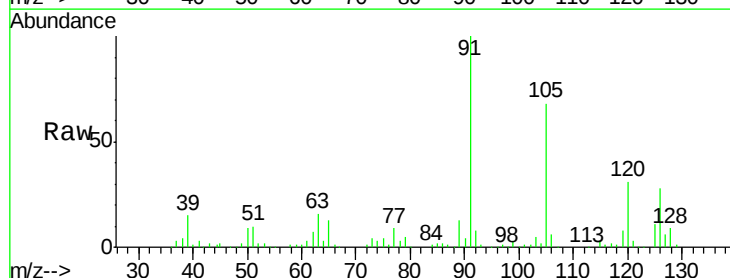
Acq: 24 Jun 2018 20:36

Tgt Ion: 91 Resp: 536975

Ion Ratio Lower Upper

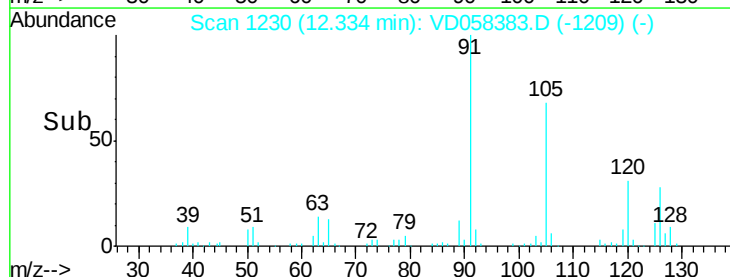
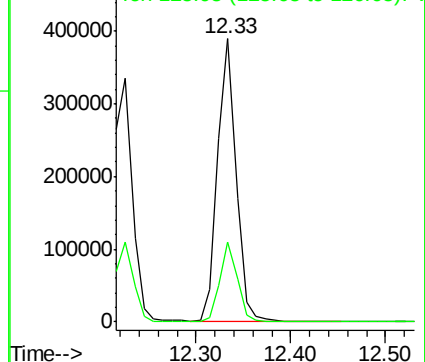
91 100

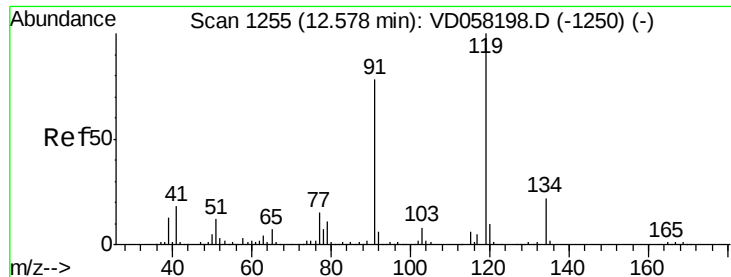
126 28.4 14.9 44.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

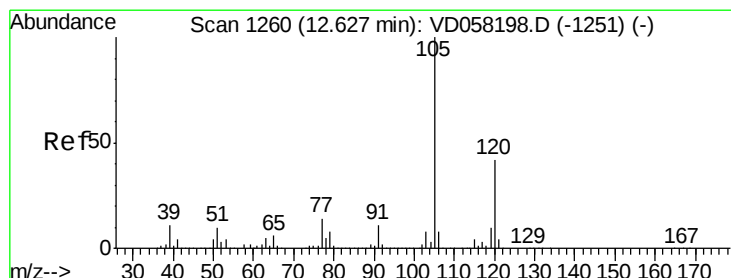
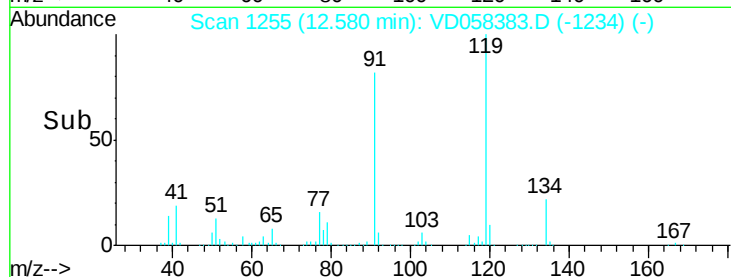
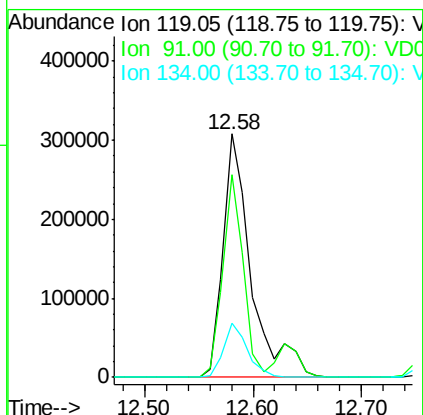
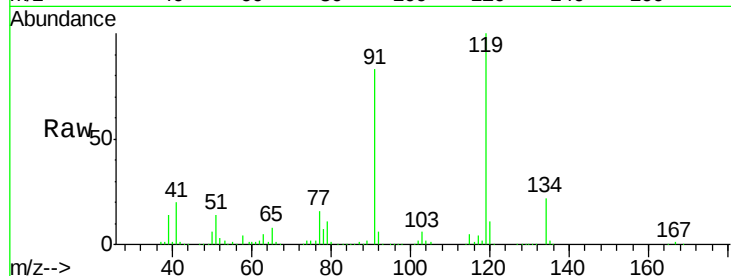




#83
 tert-Butylbenzene
 Concen: 23.409 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

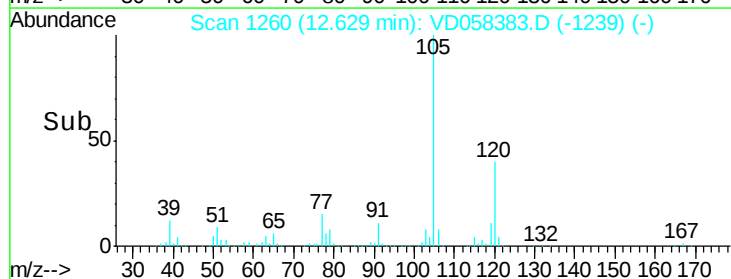
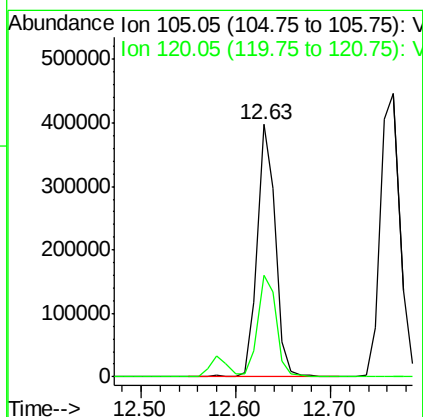
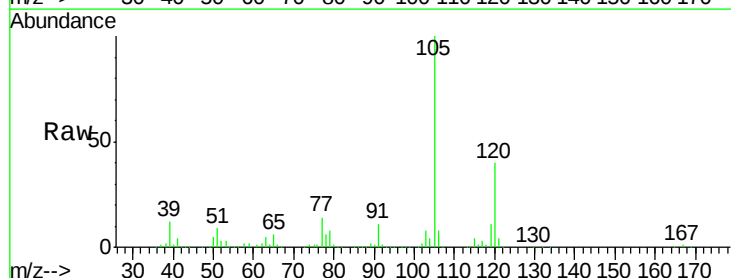
Instrument :
 MSVOA_D
 ClientSampleId :

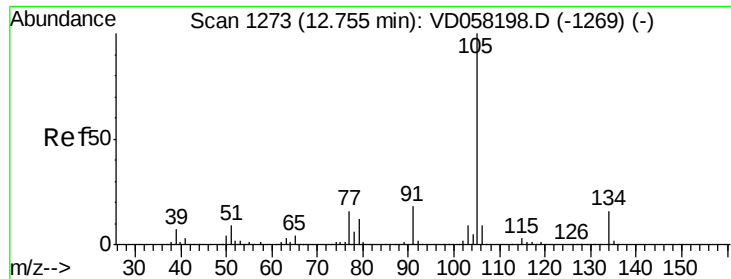
Tot Ion:119 Resp: 553689
 Ion Ratio Lower Upper
 119 100
 91 83.5 38.9 116.6
 134 22.2 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 23.725 ug/l
 RT: 12.63 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

Tgt Ion:105 Resp: 530563
 Ion Ratio Lower Upper
 105 100
 120 40.2 20.8 62.4





#85

sec-Butylbenzene

Concen: 23.323 ug/l

RT: 12.77 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

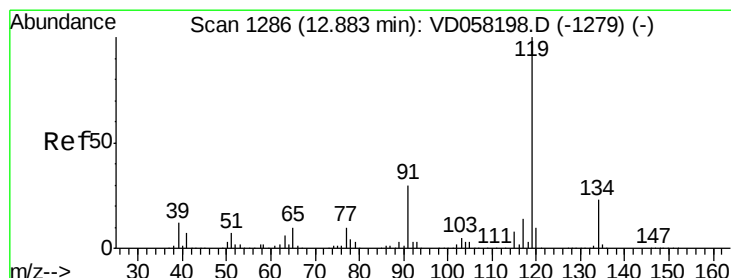
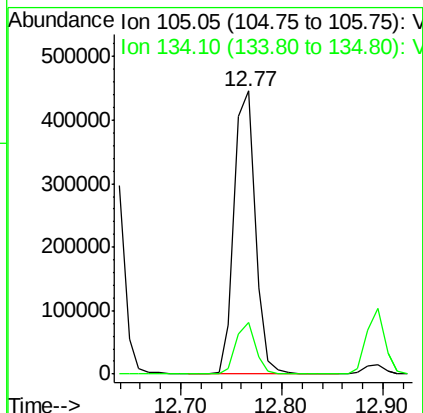
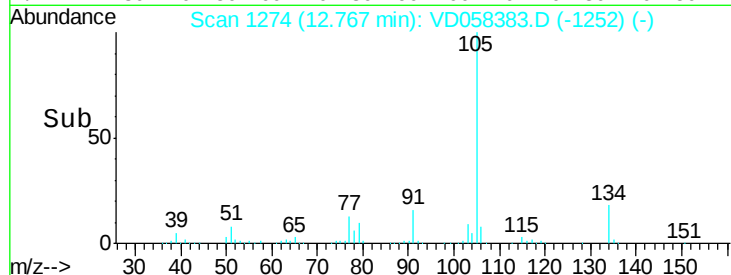
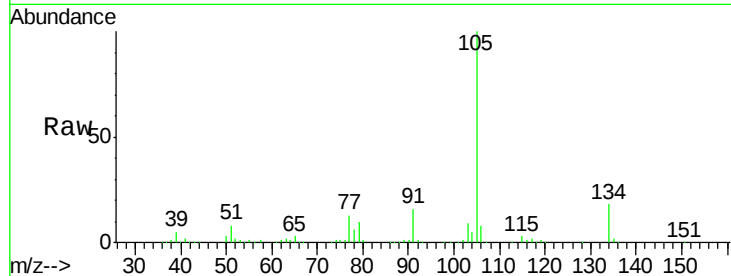
ClientSampled :

Tot Ion:105 Resp: 646637

Ion Ratio Lower Upper

105 100

134 18.5 8.1 24.3



#86

p-Isopropyltoluene

Concen: 23.894 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.01 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

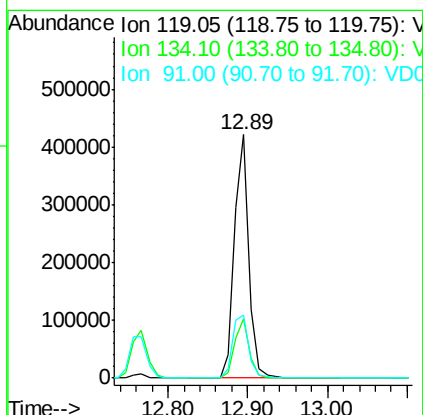
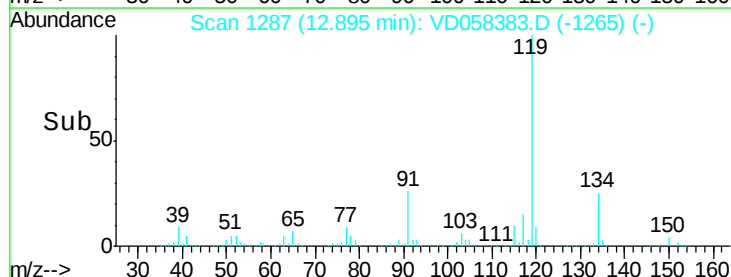
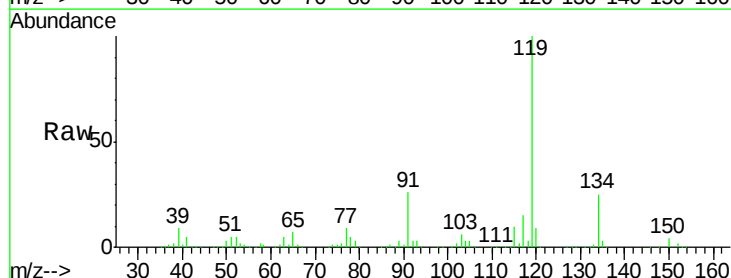
Tgt Ion:119 Resp: 536834

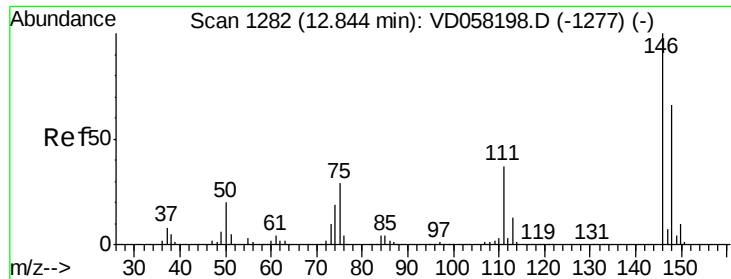
Ion Ratio Lower Upper

119 100

134 24.5 11.6 34.8

91 25.8 15.0 45.1

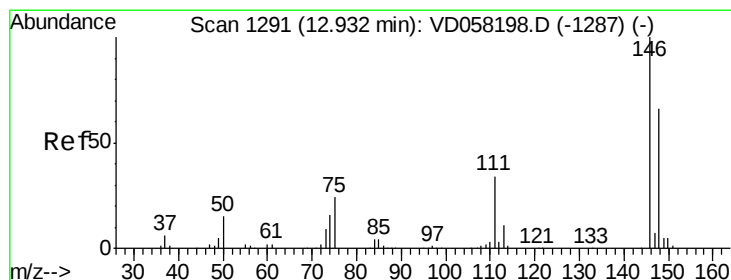
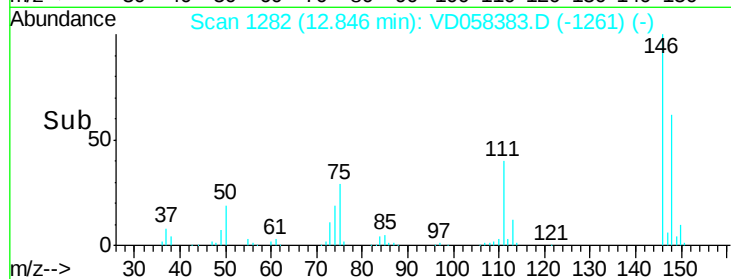
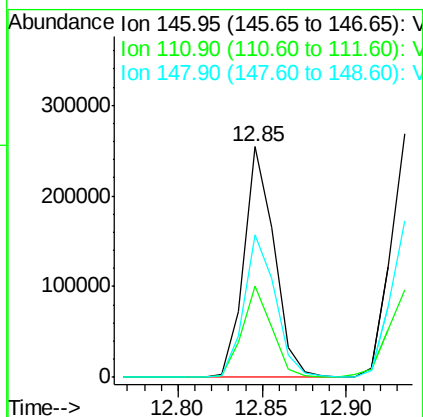
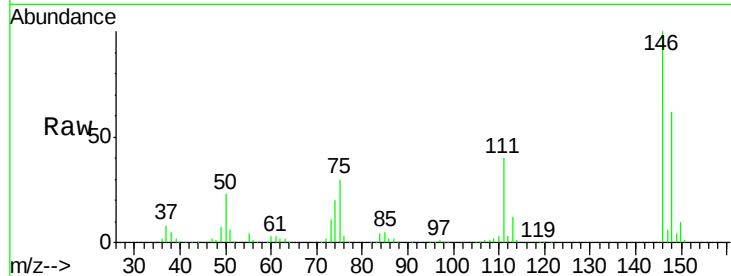




#87
 1,3-Dichlorobenzene
 Concen: 23.145 ug/l
 RT: 12.85 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

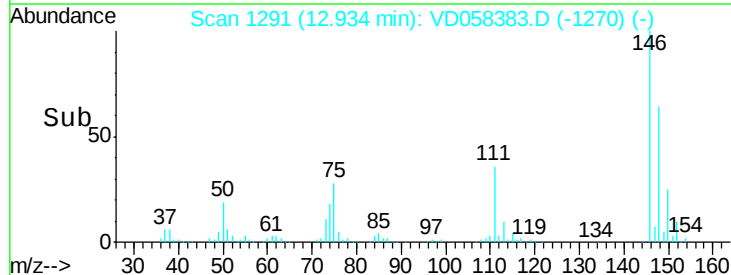
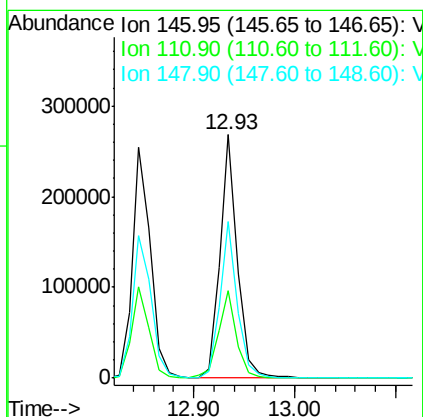
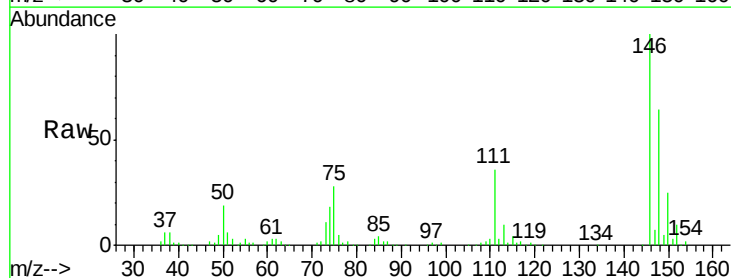
Instrument :
 MSVOA_D
 ClientSampleId :

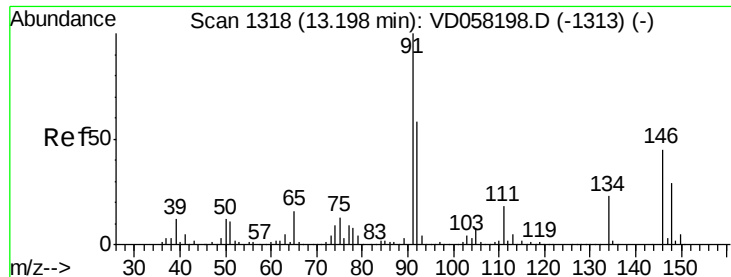
Tot Ion:146 Resp: 317751
 Ion Ratio Lower Upper
 146 100
 111 39.8 18.4 55.0
 148 61.7 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 24.107 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

Tgt Ion:146 Resp: 323180
 Ion Ratio Lower Upper
 146 100
 111 36.1 17.2 51.5
 148 64.5 33.1 99.3





#89

n-Butylbenzene

Concen: 23.761 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

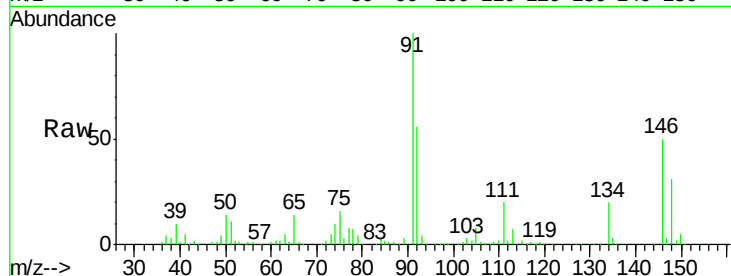
Tot Ion: 91 Resp: 561052

Ion Ratio Lower Upper

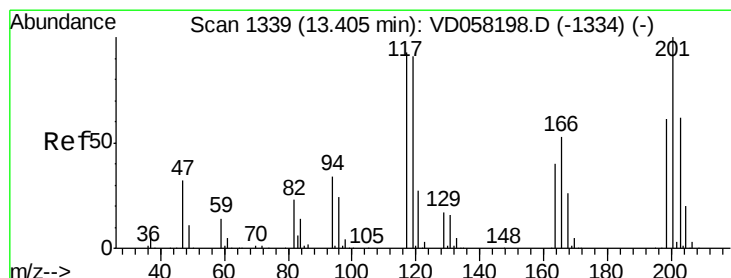
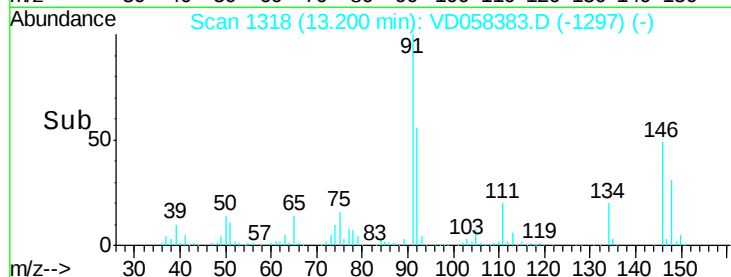
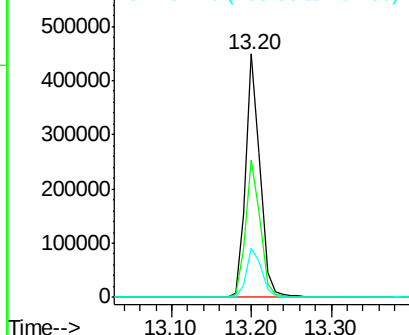
91 100

92 56.3 29.2 87.6

134 20.1 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 22.988 ug/l

RT: 13.41 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VD058383.D

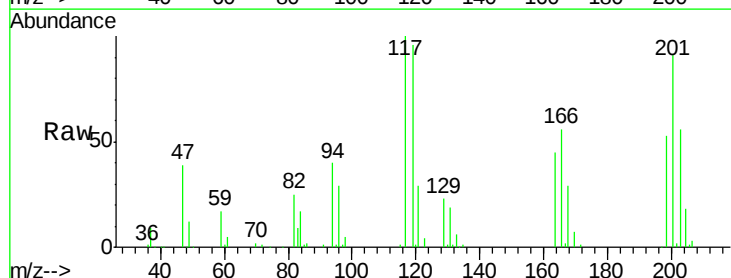
Acq: 24 Jun 2018 20:36

Tgt Ion: 117 Resp: 134051

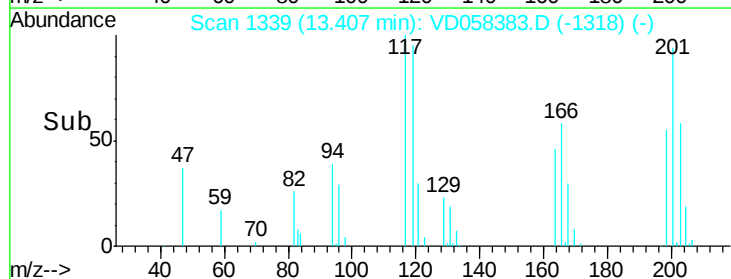
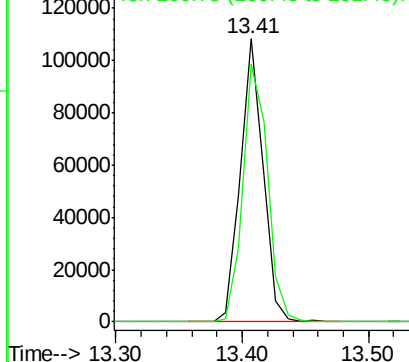
Ion Ratio Lower Upper

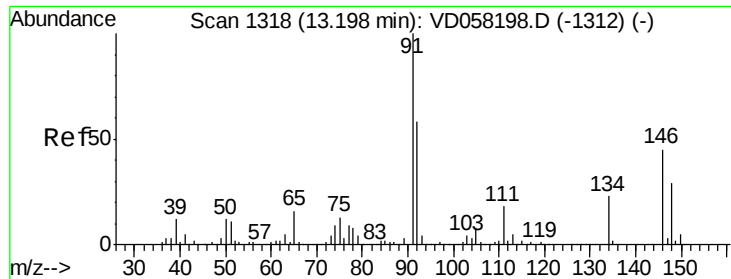
117 100

201 90.9 53.8 161.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 24.378 ug/l

RT: 13.20 min Scan# 1318

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

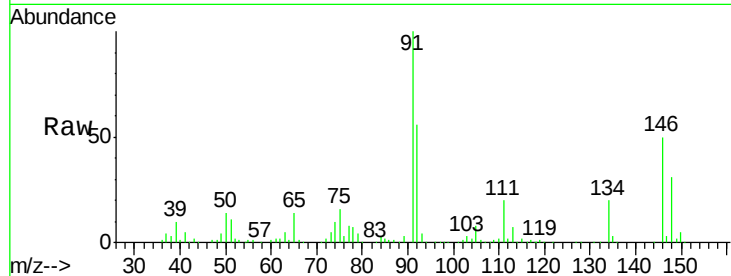
Tot Ion:146 Resp: 284804

Ion Ratio Lower Upper

146 100

111 40.8 19.6 58.7

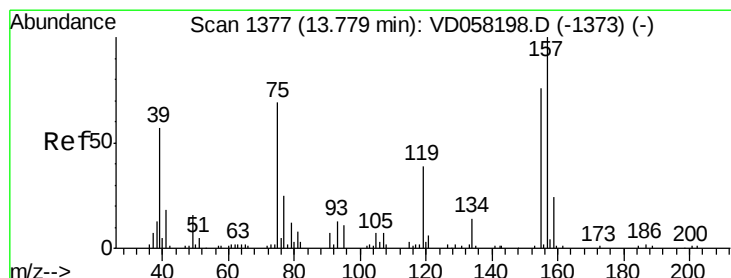
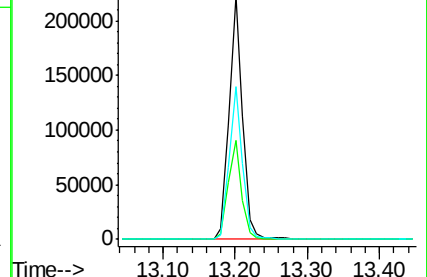
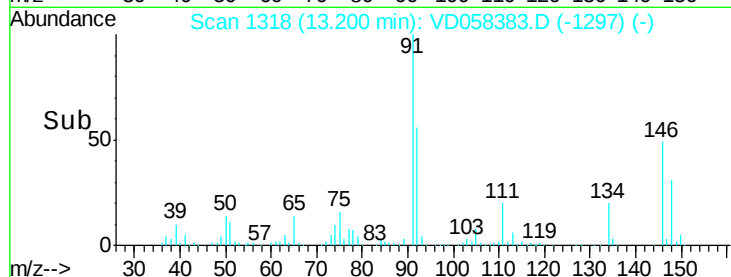
148 62.7 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.934 ug/l

RT: 13.78 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

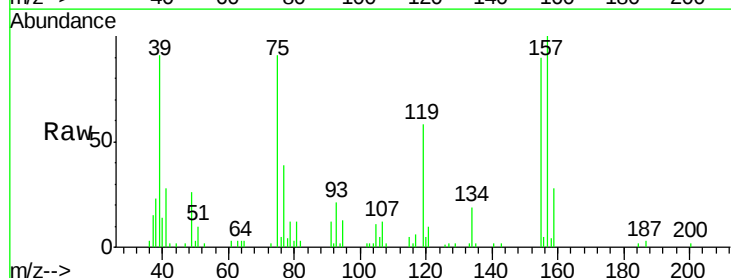
Tgt Ion: 75 Resp: 20450

Ion Ratio Lower Upper

75 100

155 98.9 54.5 163.5

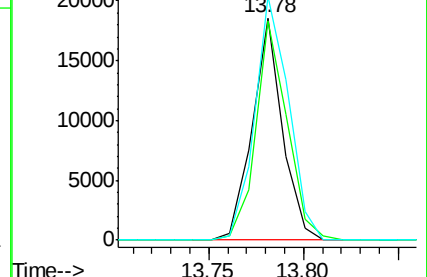
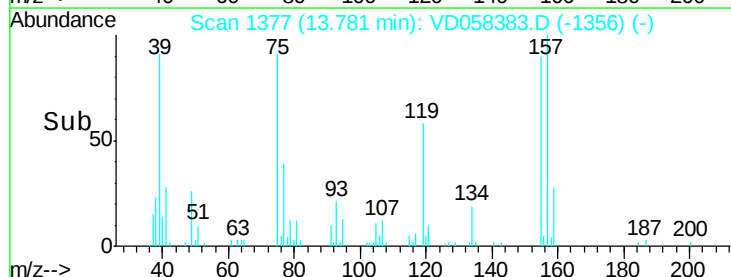
157 109.7 72.0 215.9

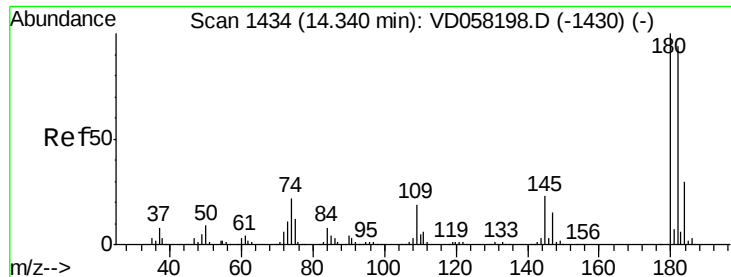


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

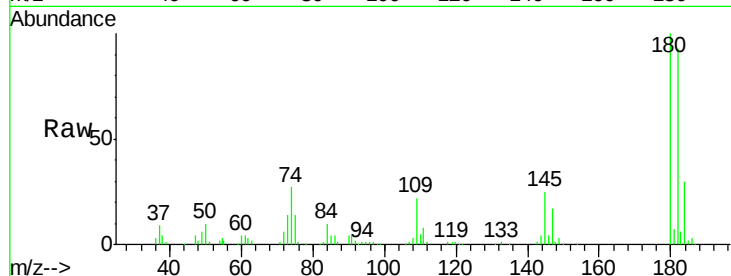




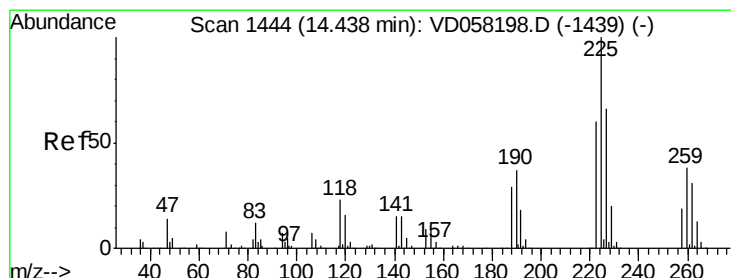
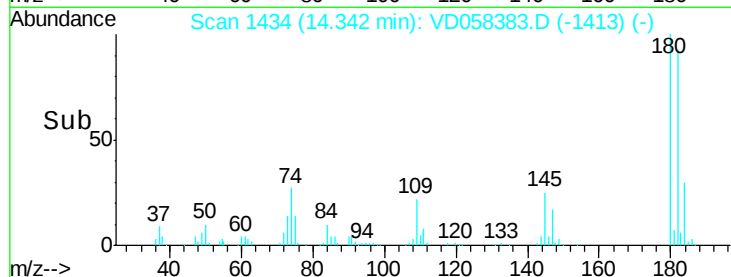
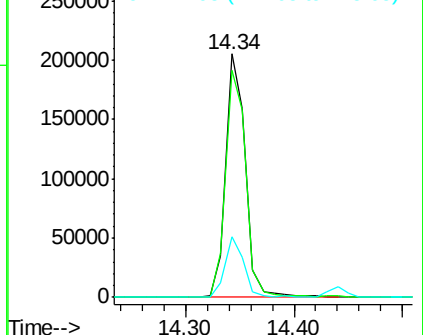
#93
 1,2,4-Trichlorobenzene
 Concen: 23.230 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 259561
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.1 141.3
 145 25.1 11.7 35.0

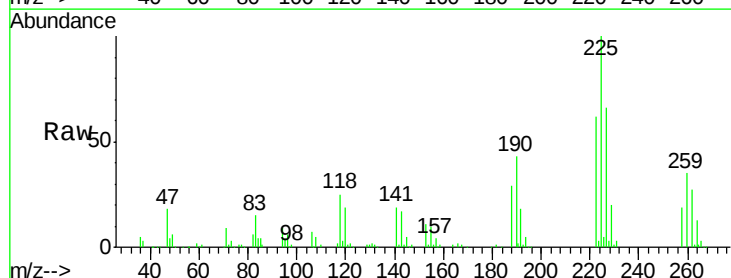


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

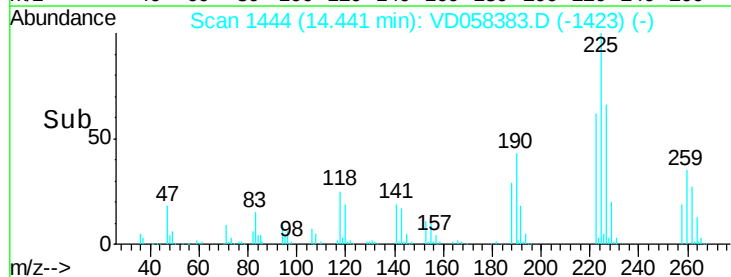
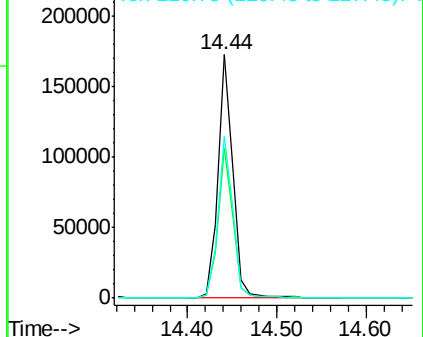


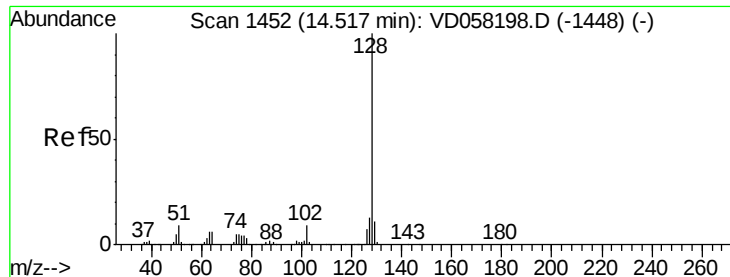
#94
 Hexachlorobutadiene
 Concen: 23.139 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD058383.D
 Acq: 24 Jun 2018 20:36

Tgt Ion:225 Resp: 202228
 Ion Ratio Lower Upper
 225 100
 223 61.5 30.1 90.3
 227 66.3 33.0 98.9



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: 22.994 ug/l

RT: 14.52 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

Instrument :

MSVOA_D

ClientSampleId :

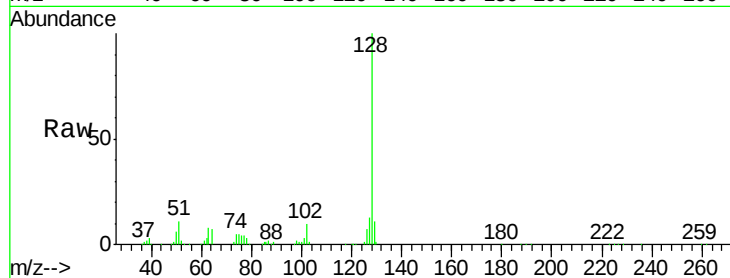
Tot Ion:128 Resp: 338438

Ion Ratio Lower Upper

128 100

127 13.0 10.0 15.0

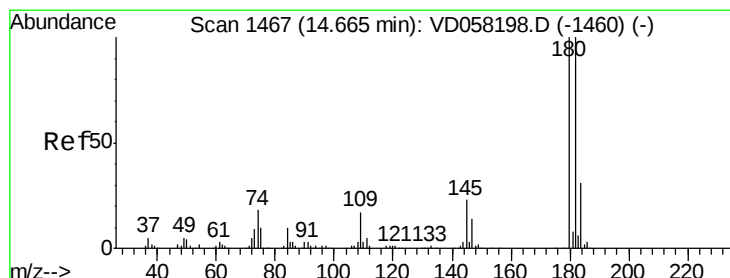
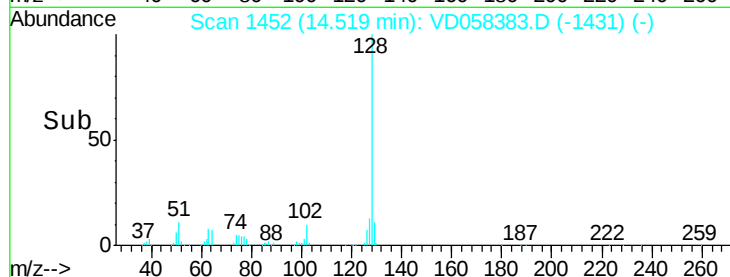
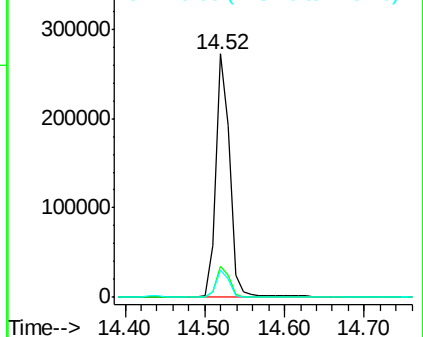
129 11.4 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.186 ug/l

RT: 14.67 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD058383.D

Acq: 24 Jun 2018 20:36

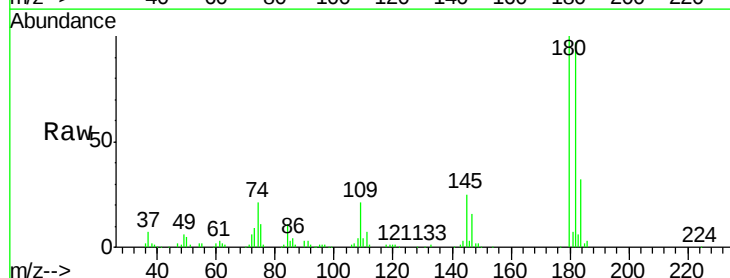
Tgt Ion:180 Resp: 226802

Ion Ratio Lower Upper

180 100

182 96.5 49.9 149.6

145 25.4 11.7 35.1



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

