

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060818\
 Data File : VD058043.D
 Acq On : 9 Jun 2018 4:58
 Operator : VA/AP
 Sample : J3354-04MSD
 Misc : 12.85g/5ml/MSVOA D/SOIL
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 09 05:44:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 08:57:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	769347	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1053092	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.69	117	826915	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	378830	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	377852	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.26%		
35) Dibromofluoromethane	5.55	113	431056	52.90	ug/l	-0.01
Spiked Amount 50.000			Recovery =	105.80%		
50) Toluene-d8	8.70	98	962379	49.68	ug/l	-0.01
Spiked Amount 50.000			Recovery =	99.36%		
62) 4-Bromofluorobenzene	11.93	95	407489	48.22	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.44%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	462953	44.835	ug/l	100
3) Chloromethane	1.49	50	250438	49.247	ug/l	95
4) Vinyl Chloride	1.56	62	246693	50.115	ug/l	98
5) Bromomethane	1.81	94	115455	59.844	ug/l	97
6) Chloroethane	1.90	64	124277	63.990	ug/l	90
7) Trichlorofluoromethane	2.09	101	367186	54.569	ug/l	98
8) Diethyl Ether	2.35	74	77398	61.918	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.57	101	216078	53.837	ug/l	98
10) Methyl Iodide	2.70	142	291354	56.259	ug/l	91
11) Tert butyl alcohol	3.25	59	61606	298.991	ug/l	100
12) 1,1-Dichloroethene	2.56	96	157636	51.088	ug/l	97
14) Allyl chloride	2.93	41	348654	48.983	ug/l	94
15) Acrylonitrile	3.36	53	325258	269.833	ug/l	98
16) Acetone	2.61	43	325488	293.723	ug/l	99
17) Carbon Disulfide	2.76	76	507447	45.397	ug/l	99
18) Methyl Acetate	2.94	43	159546	74.426	ug/l #	90
19) Methyl tert-butyl Ether	3.40	73	764641	56.319	ug/l	99
20) Methylene Chloride	3.08	84	177987	58.632	ug/l	94
21) trans-1,2-Dichloroethene	3.39	96	332149	48.329	ug/l	99
22) Diisopropyl ether	4.07	45	1610057	57.097	ug/l	94
23) Vinyl Acetate	4.02	43	3179996	218.260	ug/l	98
24) 1,1-Dichloroethane	3.97	63	832396	53.711	ug/l	99
25) 2-Butanone	4.83	43	615133	244.255	ug/l	94
26) 2,2-Dichloropropane	4.80	77	594269	46.549	ug/l	97
27) cis-1,2-Dichloroethene	4.81	96	417174	51.180	ug/l	90
28) Bromochloromethane	5.14	49	399637	59.579	ug/l	97
29) Tetrahydrofuran	5.18	42	356846	270.305	ug/l	97
30) Chloroform	5.32	83	866986	55.586	ug/l	100
31) Cyclohexane	5.60	56	636678	47.604	ug/l	99
32) 1,1,1-Trichloroethane	5.51	97	697127	53.381	ug/l	99
36) 1,1-Dichloropropene	5.74	75	541524	46.674	ug/l	99
37) Ethyl Acetate	4.92	43	309603	48.904	ug/l #	95
38) Carbon Tetrachloride	5.73	117	574191	50.216	ug/l	98
39) Methylcyclohexane	7.28	83	519453	45.164	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.01	78	1398433	51.596	ug/l	99
41) Methacrylonitrile	5.12	41	174962	60.443	ug/l	98
42) 1,2-Dichloroethane	6.13	62	568831	51.908	ug/l	99
43) Isopropyl Acetate	7.61	43	409129	49.338	ug/l #	100
44) Trichloroethene	6.98	130	389788	49.235	ug/l	96
45) 1,2-Dichloropropane	7.34	63	406081	53.907	ug/l	98
46) Dibromomethane	7.46	93	243814	50.383	ug/l	97
47) Bromodichloromethane	7.73	83	626348	55.280	ug/l	98
48) Methyl methacrylate	7.50	41	265276	51.976	ug/l	99
49) 1,4-Dioxane	7.49	88	41055	970.994	ug/l #	85
51) 4-Methyl-2-Pentanone	8.59	43	1324540	249.031	ug/l	99
52) Toluene	8.80	92	784961	50.463	ug/l	99
53) t-1,3-Dichloropropene	9.18	75	459775	47.099	ug/l	99
54) cis-1,3-Dichloropropene	8.35	75	566745	49.280	ug/l	98
55) 1,1,2-Trichloroethane	9.45	97	270975	53.826	ug/l	95
56) Ethyl methacrylate	9.31	69	324315	52.518	ug/l	98
57) 1,3-Dichloropropane	9.66	76	465170	52.683	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.19	63	801405	256.865	ug/l	100
59) 2-Hexanone	9.78	43	952102	244.267	ug/l	99
60) Dibromochloromethane	9.95	129	387675	54.609	ug/l	99
61) 1,2-Dibromoethane	10.09	107	290991	50.262	ug/l	92
64) Tetrachloroethene	9.51	164	382466	51.736	ug/l	99
65) Chlorobenzene	10.72	112	853500	50.985	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.84	131	355436	55.264	ug/l	98
67) Ethyl Benzene	10.85	91	1518587	50.212	ug/l	100
68) m/p-Xylenes	11.00	106	1015948	103.044	ug/l	97
69) o-Xylene	11.40	106	483806	49.436	ug/l	95
70) Stvrene	11.43	104	815104	50.312	ug/l	99
71) Bromoform	11.59	173	267882	55.366	ug/l	96
73) Isopropylbenzene	11.77	105	1427007	56.871	ug/l	99
74) N-amyl acetate	11.64	43	509883	52.662	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	327018	59.777	ug/l	99
76) 1,2,3-Trichloropropane	12.10	75	316494	55.617	ug/l	97
77) Bromobenzene	12.04	156	411665	55.426	ug/l	87
78) n-propylbenzene	12.14	91	1704202	52.195	ug/l	95
79) 2-Chlorotoluene	12.21	91	1061223	56.973	ug/l	96
80) 1,3,5-Trimethylbenzene	12.31	105	1089857	55.695	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.84	75	73242	51.964	ug/l	87
82) 4-Chlorotoluene	12.32	91	1100352	61.472	ug/l	97
83) tert-Butylbenzene	12.57	119	1222477	55.327	ug/l	89
84) 1,2,4-Trimethylbenzene	12.62	105	1178881	56.031	ug/l	96
85) sec-Butylbenzene	12.75	105	1354962	50.812	ug/l	98
86) p-Isopropyltoluene	12.88	119	1053938	49.038	ug/l	97
87) 1,3-Dichlorobenzene	12.83	146	642559	51.144	ug/l	97
88) 1,4-Dichlorobenzene	12.92	146	582813	47.610	ug/l	94
89) n-Butylbenzene	13.19	91	995153	51.536	ug/l	96
90) Hexachloroethane	13.39	117	284231	51.814	ug/l	74
91) 1,2-Dichlorobenzene	13.19	146	543502	53.530	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	52831	62.573	ug/l	80
93) 1,2,4-Trichlorobenzene	14.34	180	428093	45.130	ug/l	99

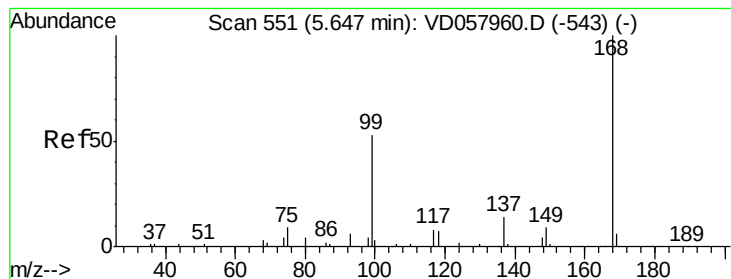
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.43	225	249485	33.437	ug/l	97
95) Naphthalene	14.51	128	582978	47.667	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	355657	43.995	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

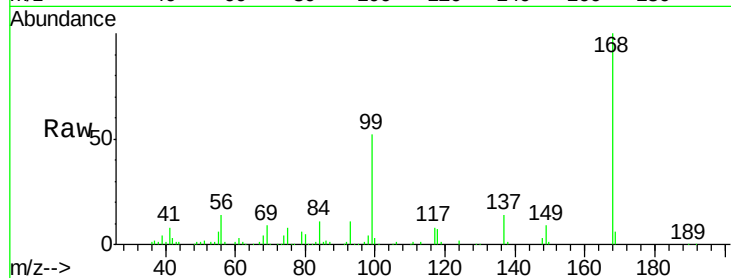
ClientSampleId :

Tot Ion:168 Resp: 769347

Ion Ratio Lower Upper

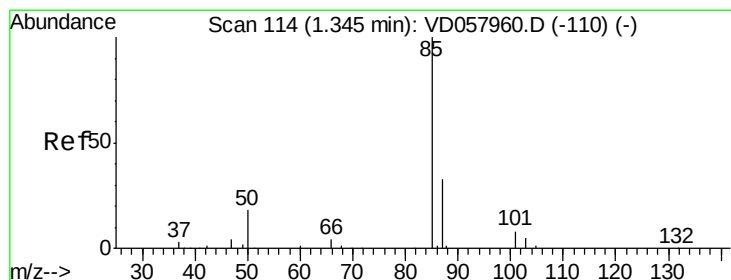
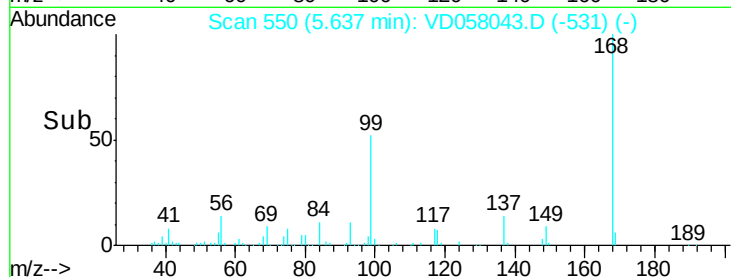
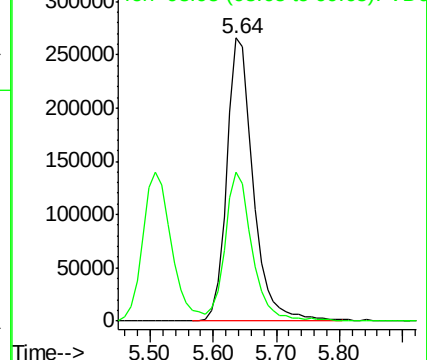
168 100

99 52.4 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 44.835 ug/l

RT: 1.34 min Scan# 114

Delta R.T. -0.00 min

Lab File: VD058043.D

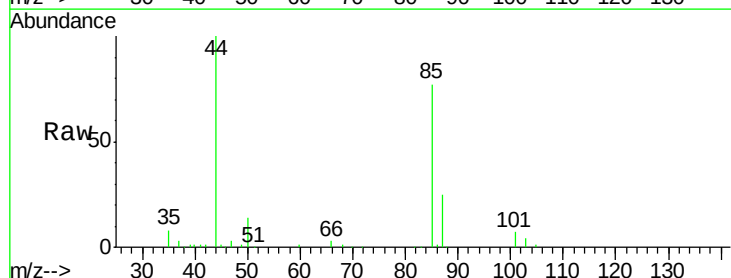
Acq: 9 Jun 2018 4:58

Tgt Ion: 85 Resp: 462953

Ion Ratio Lower Upper

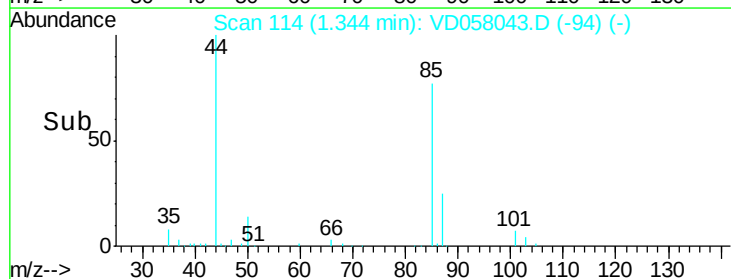
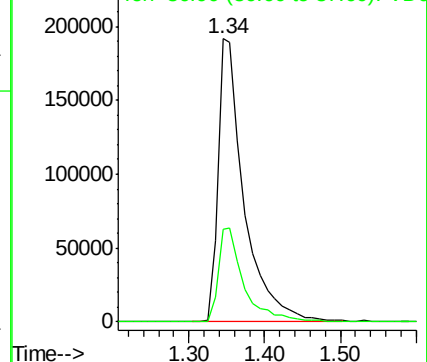
85 100

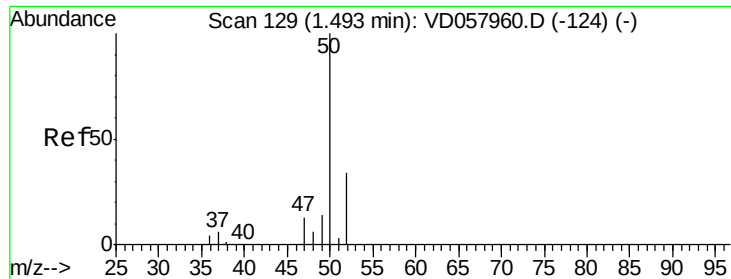
87 32.6 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.247 ug/l

RT: 1.49 min Scan# 129

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

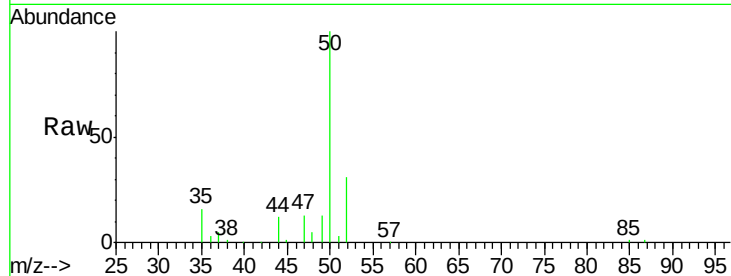
ClientSampleId :

Tot Ion: 50 Resp: 250438

Ion Ratio Lower Upper

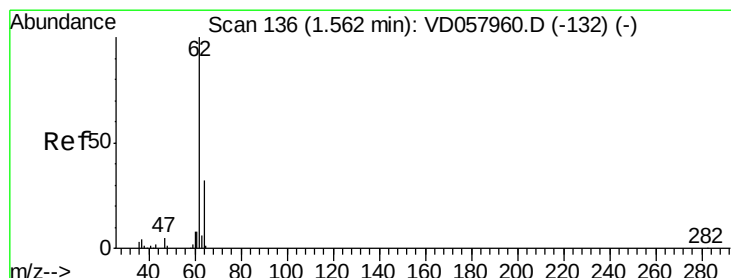
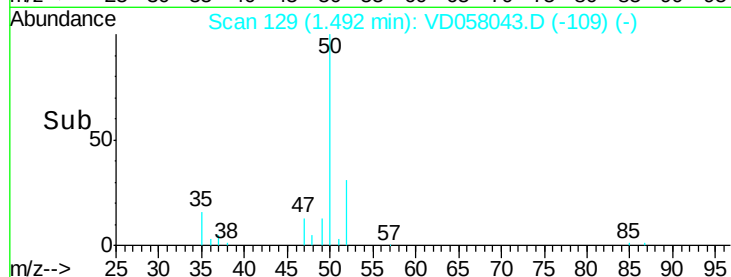
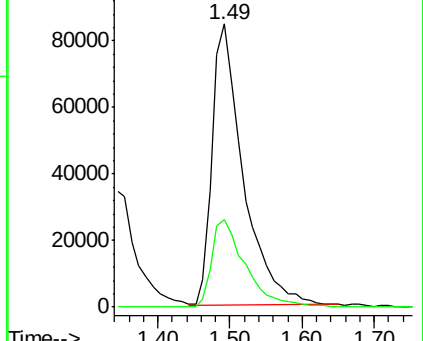
50 100

52 31.0 27.2 40.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.115 ug/l

RT: 1.56 min Scan# 136

Delta R.T. -0.00 min

Lab File: VD058043.D

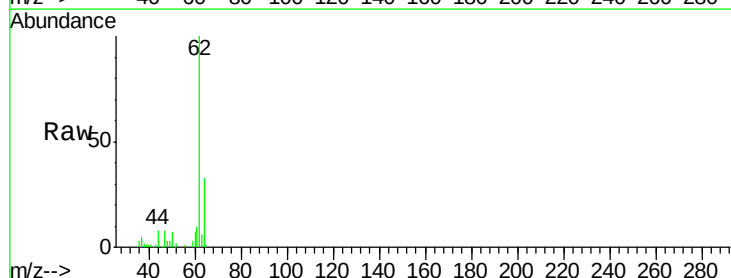
Acq: 9 Jun 2018 4:58

Tgt Ion: 62 Resp: 246693

Ion Ratio Lower Upper

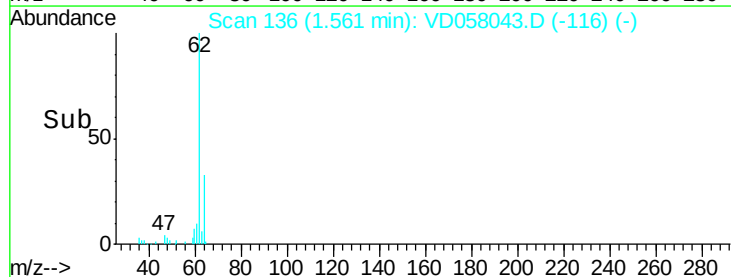
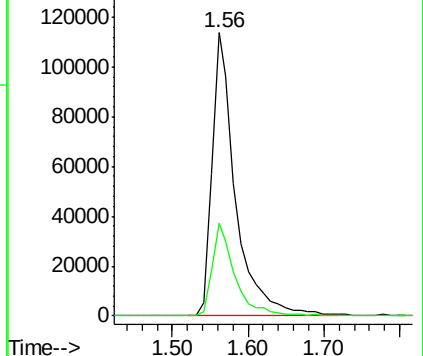
62 100

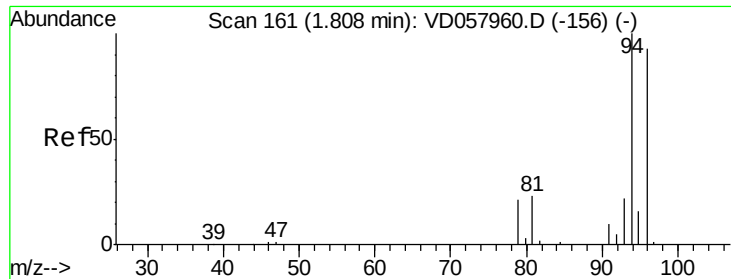
64 33.0 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 59.844 ug/l

RT: 1.81 min Scan# 161

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

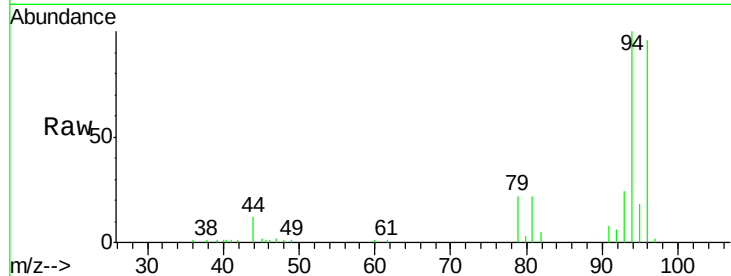
ClientSampleId :

Tot Ion: 94 Resp: 115455

Ion Ratio Lower Upper

94 100

96 95.7 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.81

50000

40000

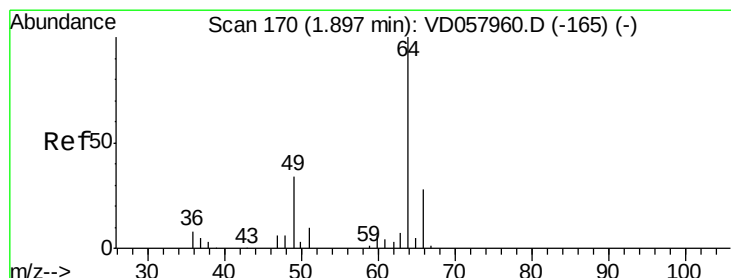
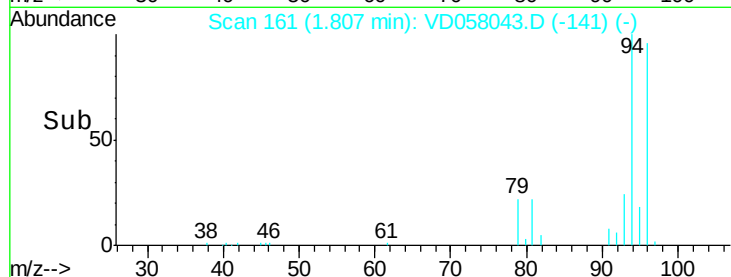
30000

20000

10000

0

Time--> 1.70 1.80 1.90 2.00



#6

Chloroethane

Concen: 63.990 ug/l

RT: 1.90 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD058043.D

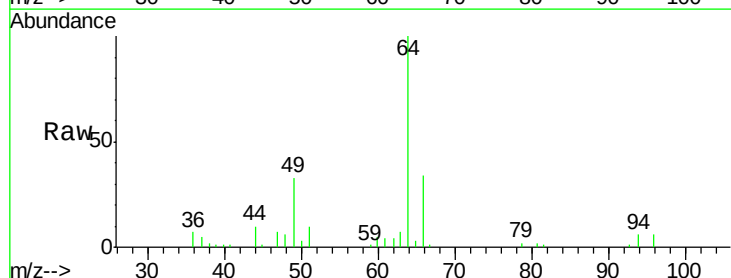
Acq: 9 Jun 2018 4:58

Tgt Ion: 64 Resp: 124277

Ion Ratio Lower Upper

64 100

66 33.6 22.8 34.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.90

60000

50000

40000

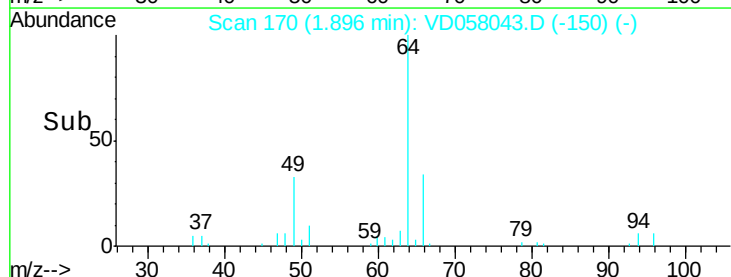
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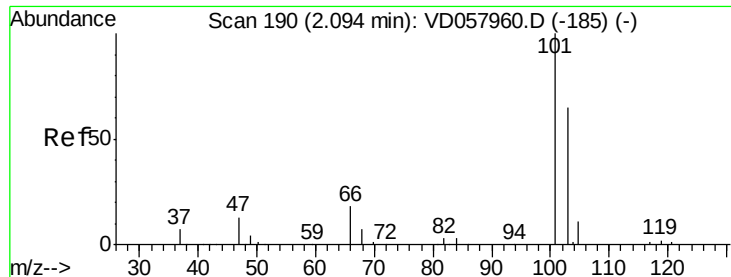
20000

10000

0

Time--> 1.80 1.90 2.00 2.10



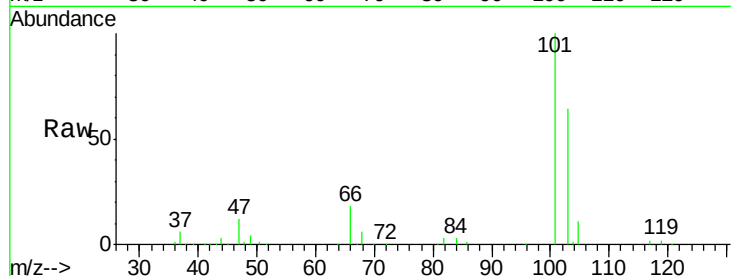


#7

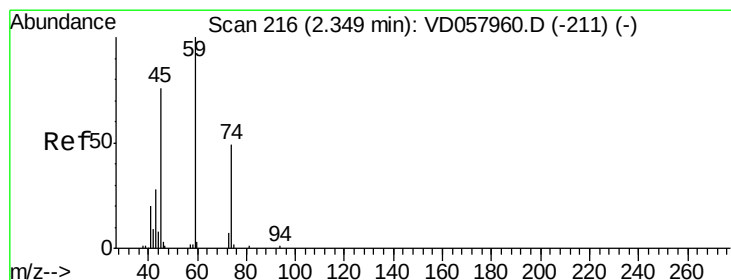
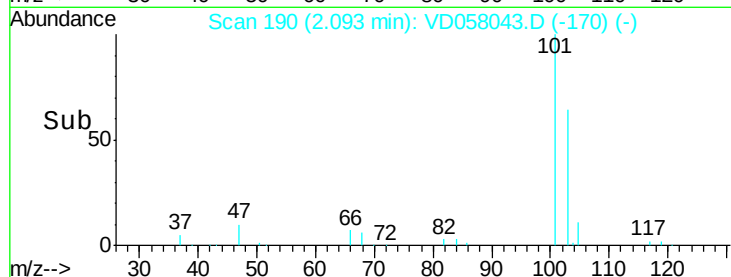
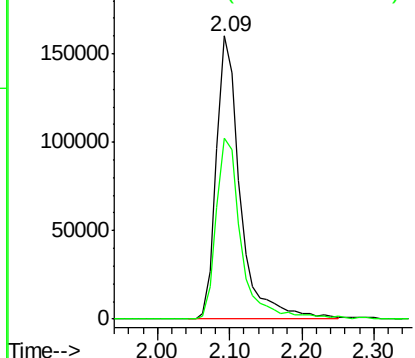
Trichlorofluoromethane
 Concen: 54.569 ug/l
 RT: 2.09 min Scan# 190
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 367186
 Ion Ratio Lower Upper
 101 100
 103 64.0 52.4 78.6



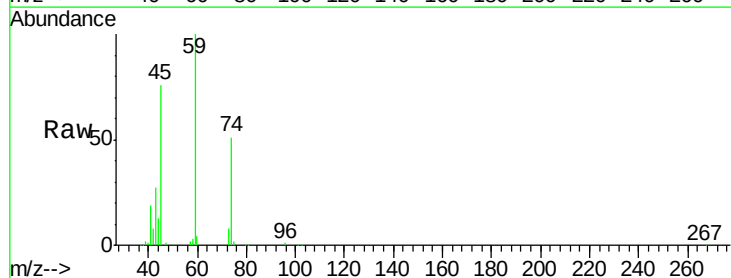
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



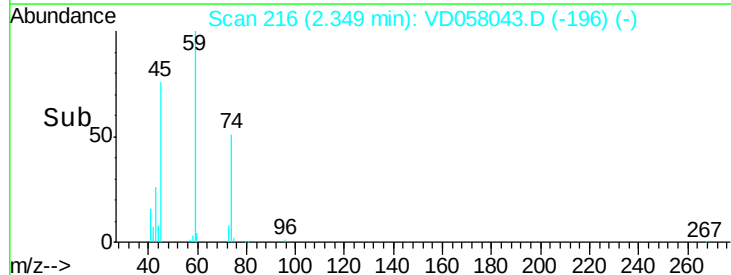
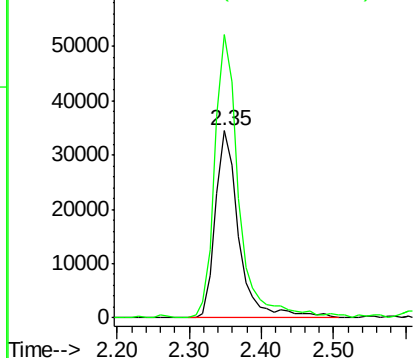
#8

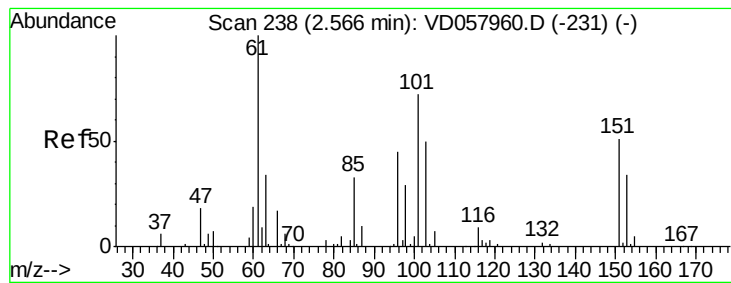
Diethyl Ether
 Concen: 61.918 ug/l
 RT: 2.35 min Scan# 216
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 74 Resp: 77398
 Ion Ratio Lower Upper
 74 100
 45 151.2 77.1 231.3



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: 53.837 ug/l

RT: 2.57 min Scan# 238

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampled :

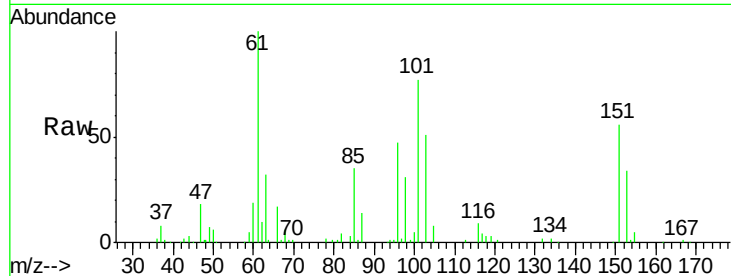
Tot Ion:101 Resp: 216078

Ion Ratio Lower Upper

101 100

85 45.3 37.3 55.9

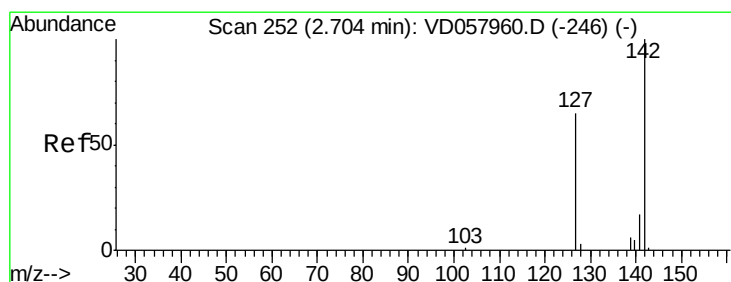
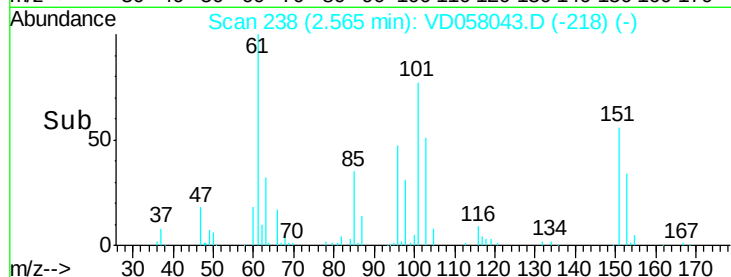
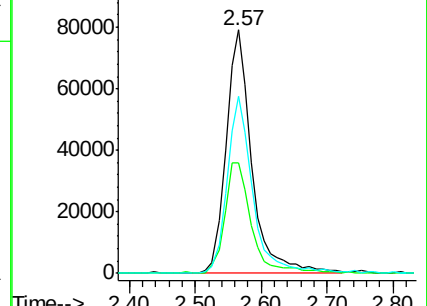
151 72.6 57.0 85.6



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: 56.259 ug/l

RT: 2.70 min Scan# 252

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

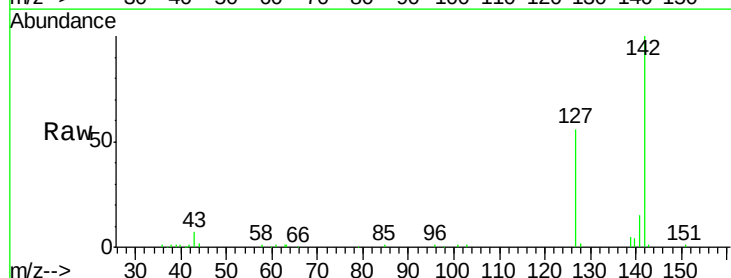
Tgt Ion:142 Resp: 291354

Ion Ratio Lower Upper

142 100

127 56.4 52.0 78.0

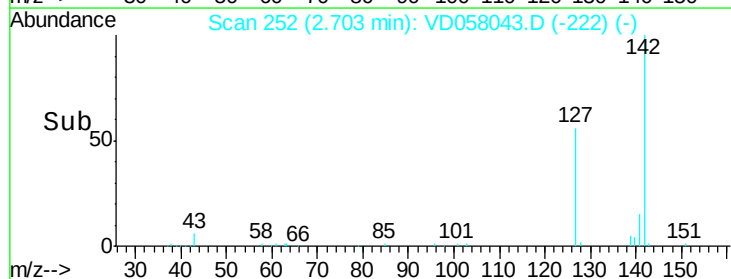
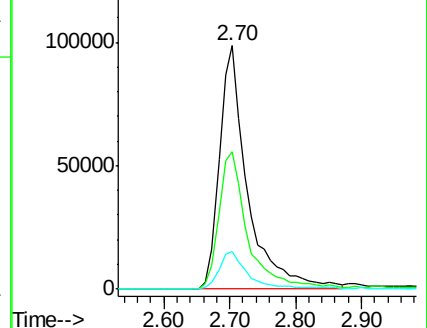
141 15.3 13.2 19.8

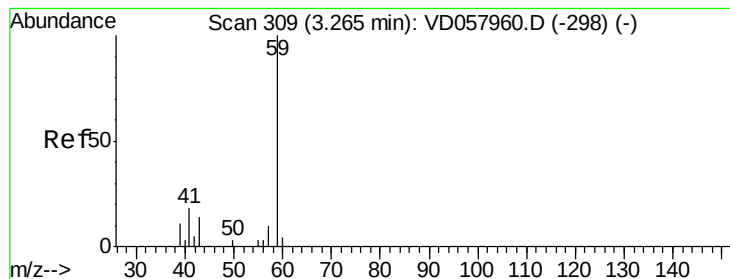


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



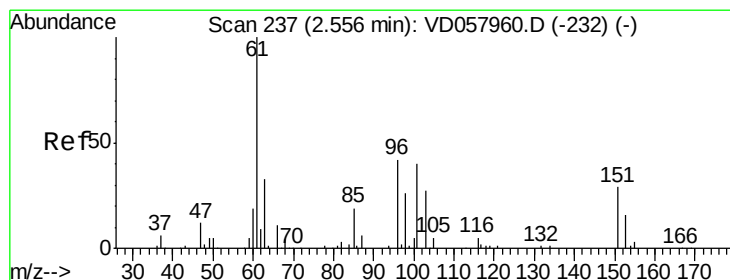
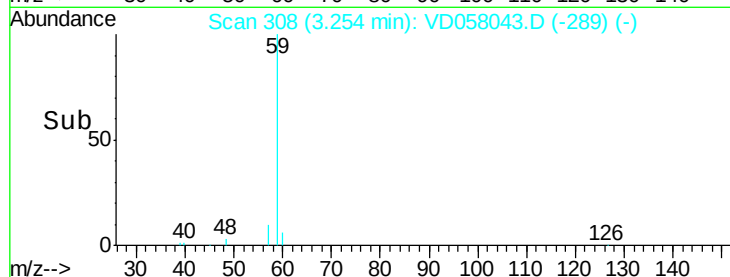
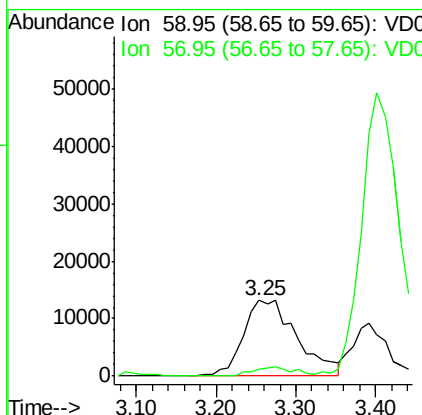
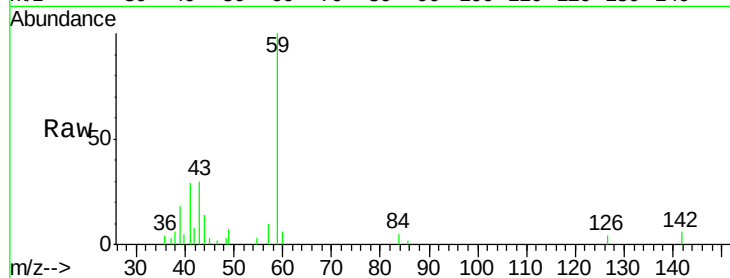


#11

Tert butyl alcohol
 Concen: 298.991 ug/l
 RT: 3.25 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Instrument :
 MSVOA_D
 ClientSampled :

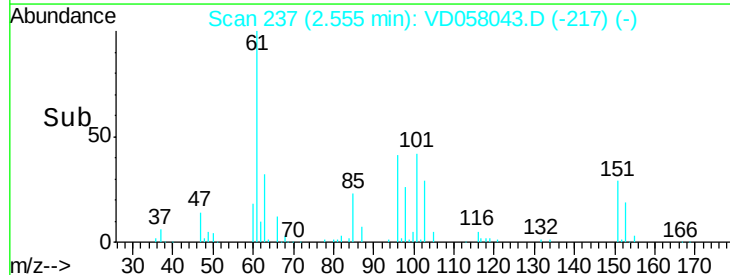
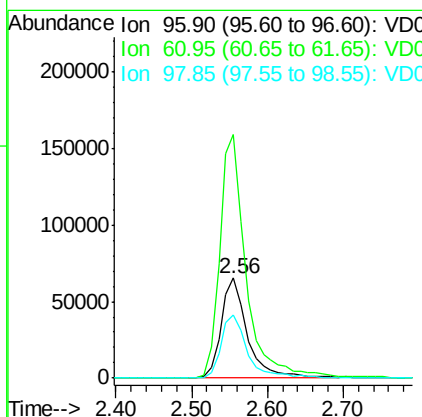
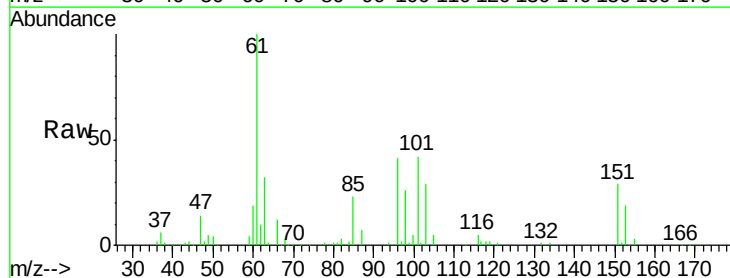
Tot Ion: 59 Resp: 61606
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.8 11.6

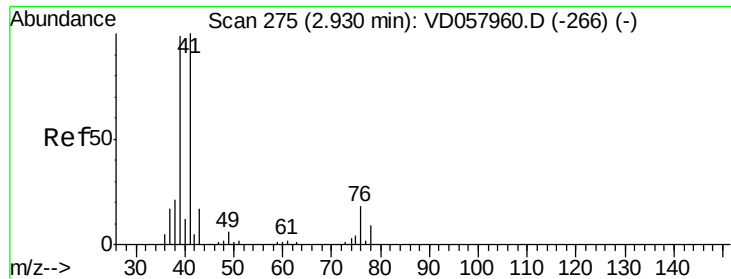


#12

1,1-Dichloroethene
 Concen: 51.088 ug/l
 RT: 2.56 min Scan# 237
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 96 Resp: 157636
 Ion Ratio Lower Upper
 96 100
 61 243.8 190.2 285.4
 98 63.0 49.6 74.4

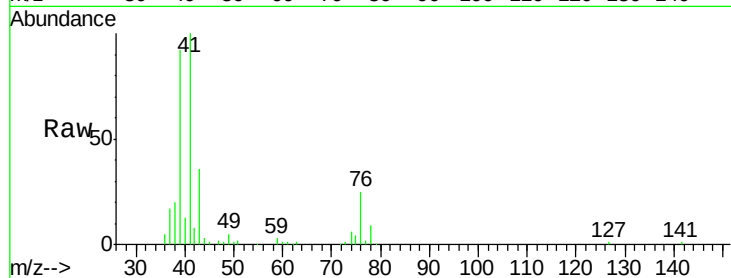




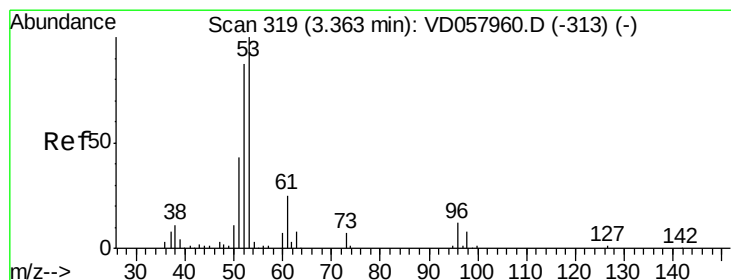
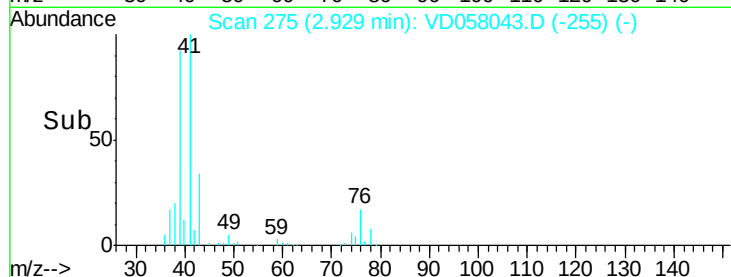
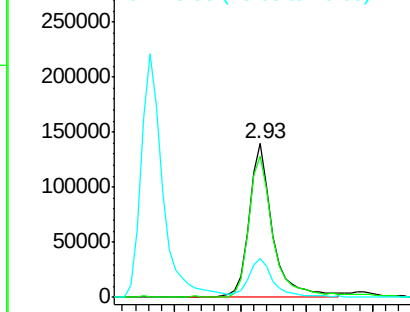
#14
Allvl chloride
Concen: 48.983 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 348654
Ion Ratio Lower Upper
41 100
39 92.3 79.5 119.3
76 25.2 20.7 31.1

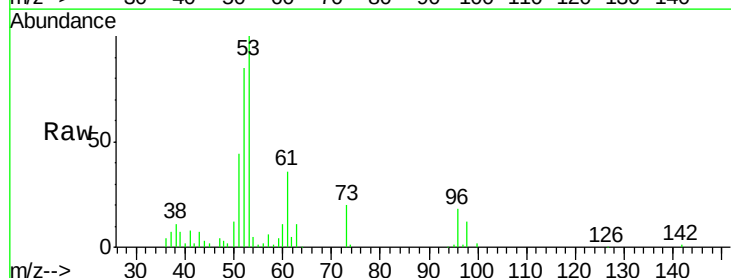


Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

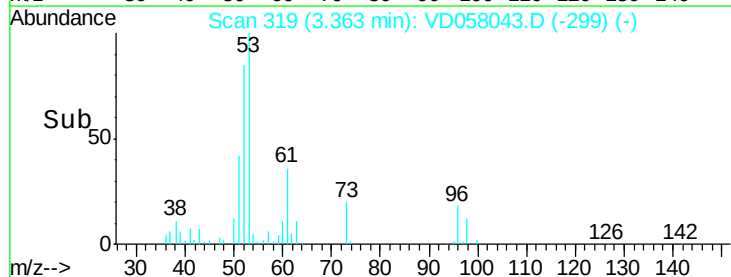
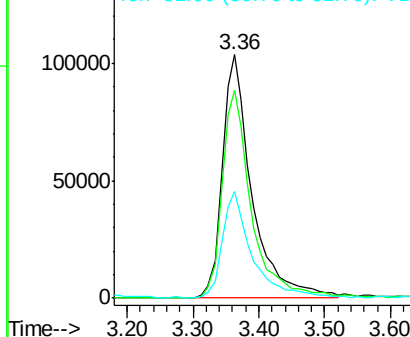


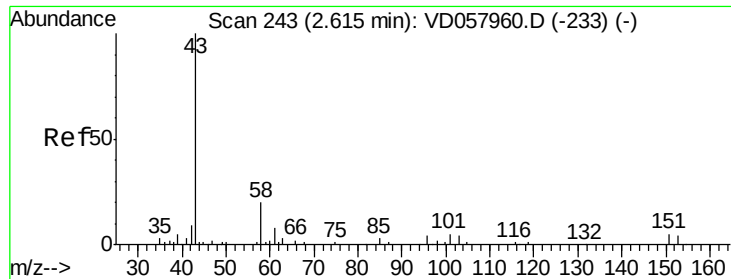
#15
Acrylonitrile
Concen: 269.833 ug/l
RT: 3.36 min Scan# 319
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 53 Resp: 325258
Ion Ratio Lower Upper
53 100
52 85.3 69.9 104.9
51 43.9 34.3 51.5



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

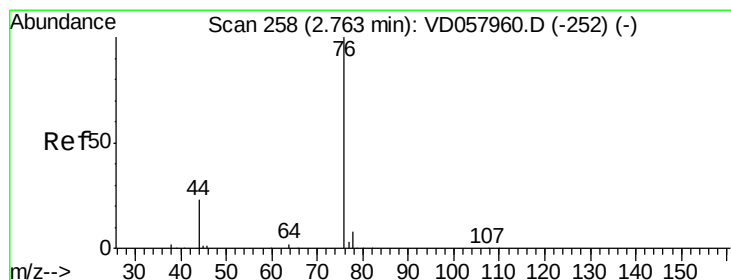
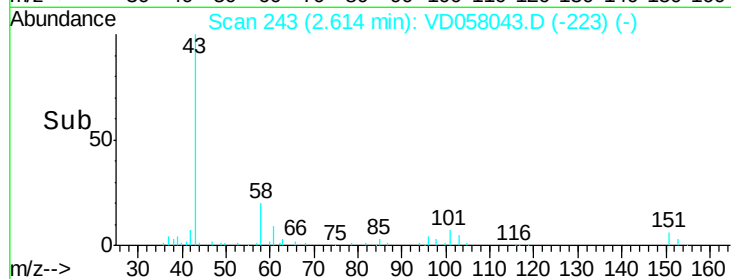
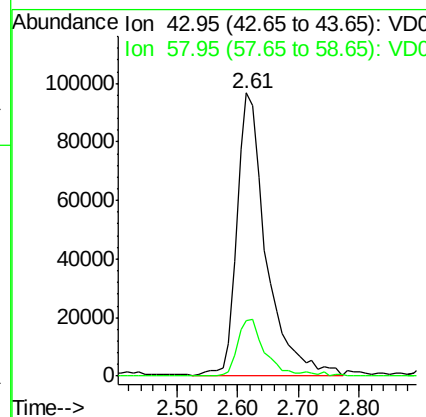
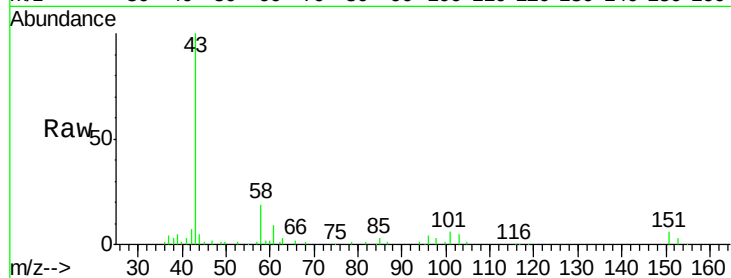




#16
Acetone
Concen: 293.723 ug/l
RT: 2.61 min Scan# 243
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

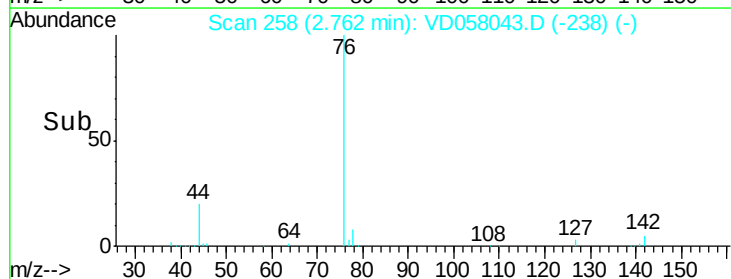
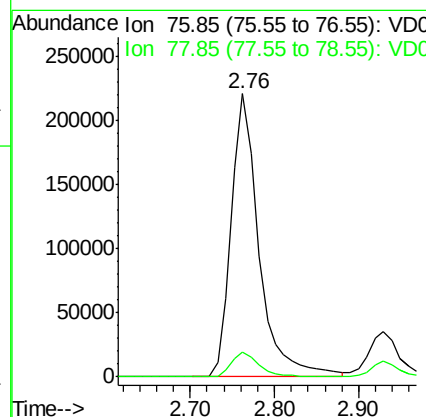
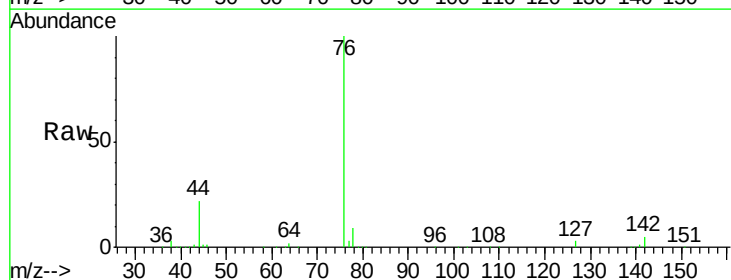
Instrument :
MSVOA_D
ClientSampled :

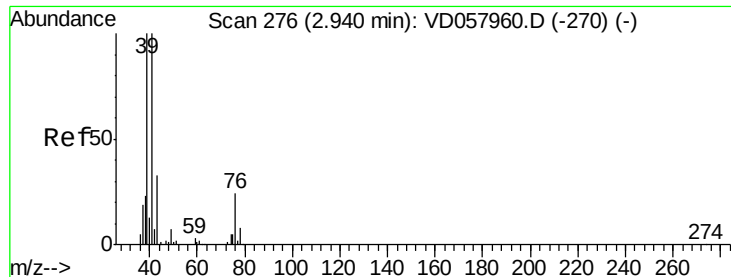
Tot Ion: 43 Resp: 325488
Ion Ratio Lower Upper
43 100
58 19.5 15.8 23.8



#17
Carbon Disulfide
Concen: 45.397 ug/l
RT: 2.76 min Scan# 258
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 76 Resp: 507447
Ion Ratio Lower Upper
76 100
78 8.7 6.7 10.1

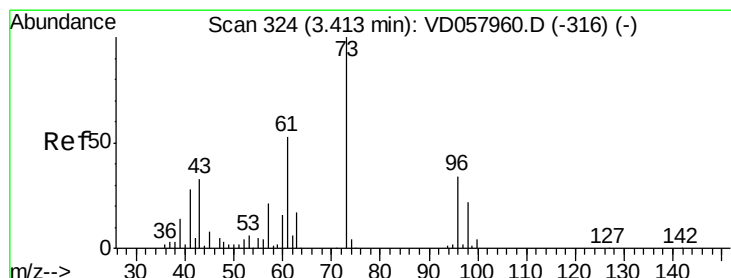
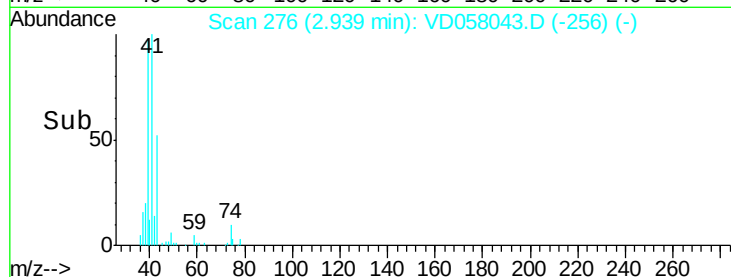
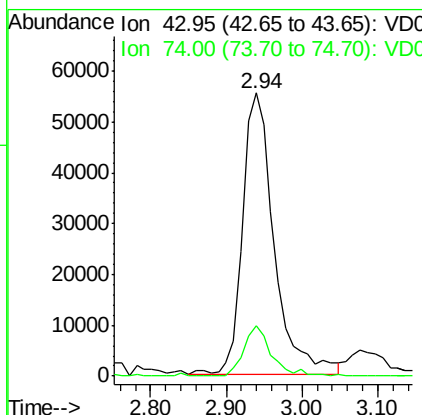
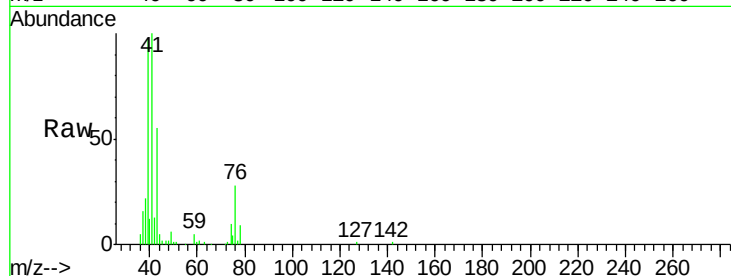




#18
Methvl Acetate
Concen: 74.426 ug/l
RT: 2.94 min Scan# 276
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

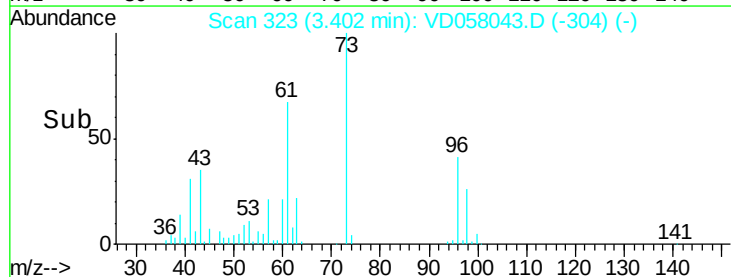
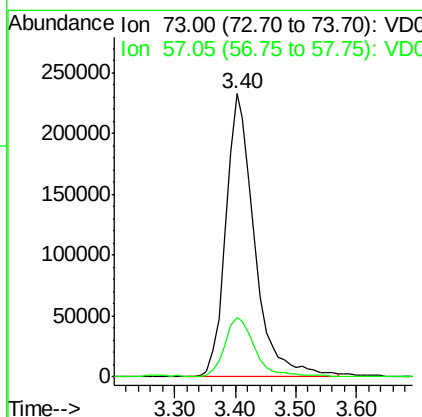
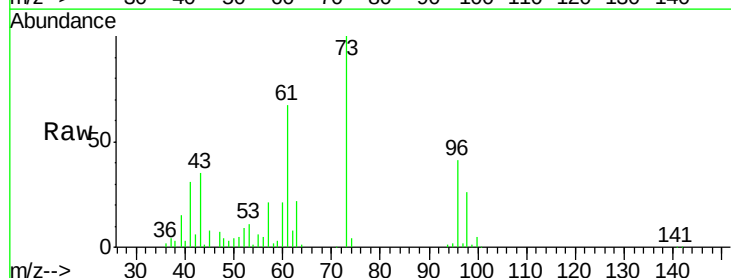
Instrument :
MSVOA_D
ClientSampleId :

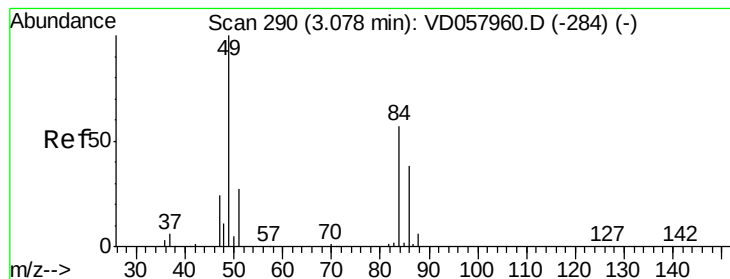
Tot Ion: 43 Resp: 159546
Ion Ratio Lower Upper
43 100
74 18.0 11.2 16.8#



#19
Methyl tert-butyl Ether
Concen: 56.319 ug/l
RT: 3.40 min Scan# 323
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 73 Resp: 764641
Ion Ratio Lower Upper
73 100
57 21.2 16.7 25.1





#20

Methylene Chloride

Concen: 58.632 ug/l

RT: 3.08 min Scan# 290

Delta R.T. 0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleID :

Tot Ion: 84 Resp: 177987

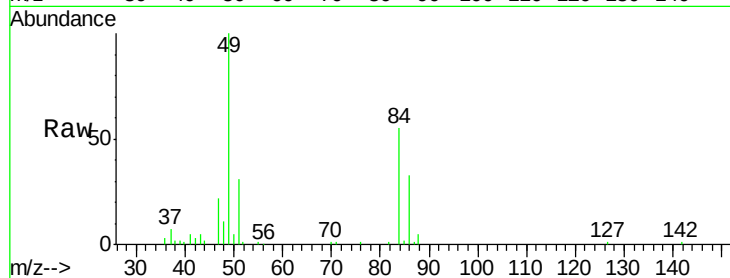
Ion	Ratio	Lower	Upper
84	100		
49	180.9	141.4	212.0
51	56.6	38.3	57.5
86	59.5	52.9	79.3

84 100

49 180.9 141.4 212.0

51 56.6 38.3 57.5

86 59.5 52.9 79.3

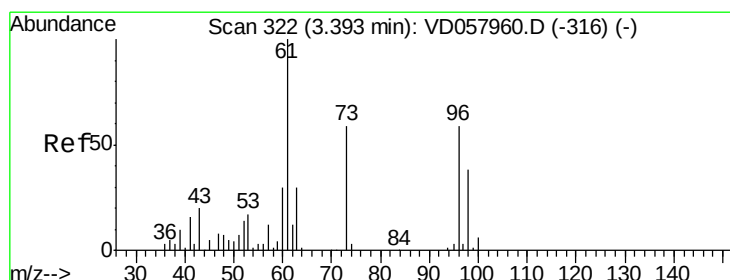
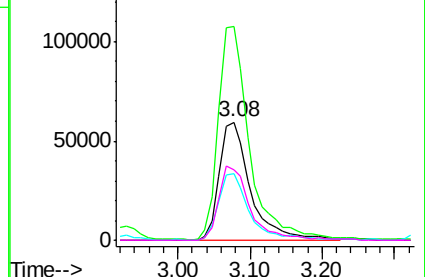
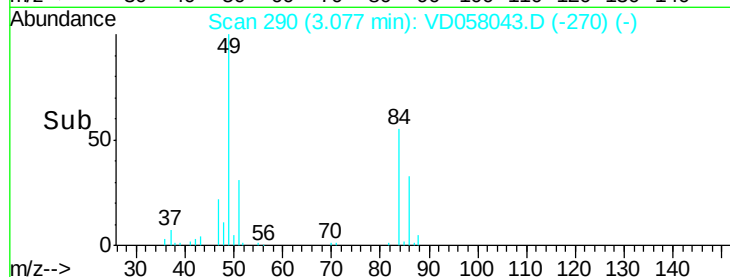


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#21

trans-1,2-Dichloroethene

Concen: 48.329 ug/l

RT: 3.39 min Scan# 322

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

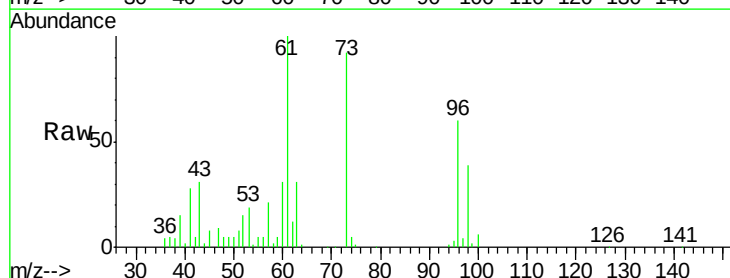
Tgt Ion: 96 Resp: 332149

Ion	Ratio	Lower	Upper
96	100		
61	167.5	135.2	202.8
98	65.4	51.7	77.5

96 100

61 167.5 135.2 202.8

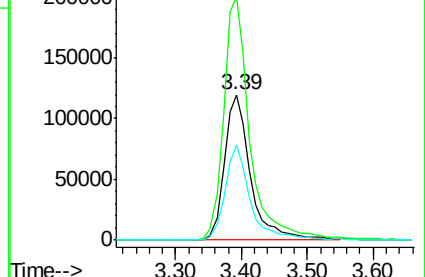
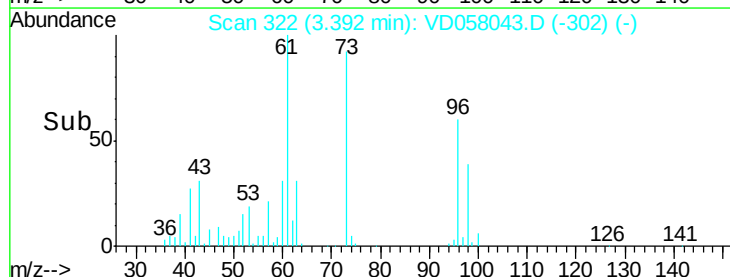
98 65.4 51.7 77.5

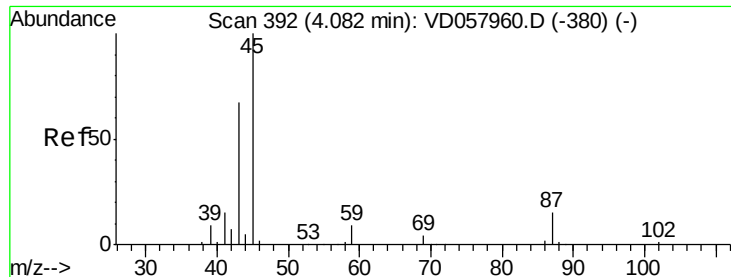


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#22

Diisopropyl ether

Concen: 57.097 ug/l

RT: 4.07 min Scan# 391

Delta R.T. -0.01 min

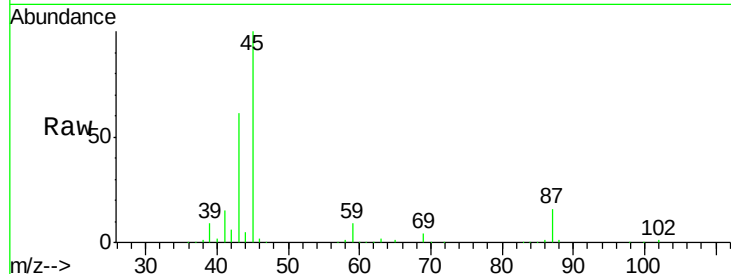
Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

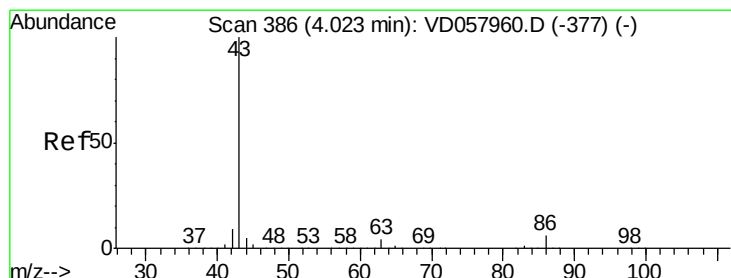
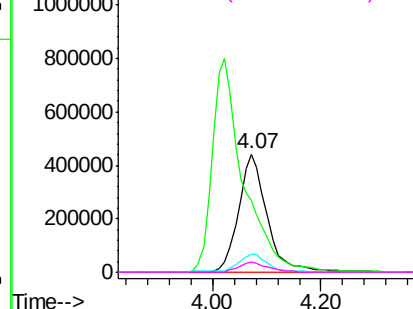
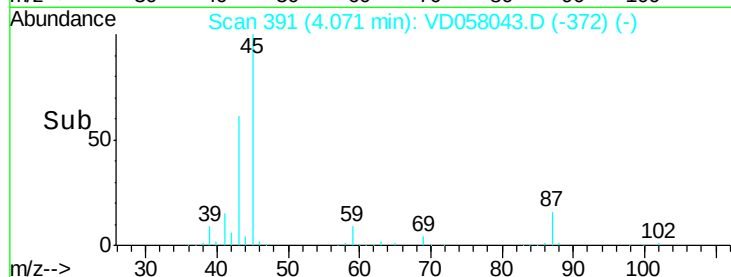
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 45 Resp: 1610057

Ion	Ratio	Lower	Upper
45	100		
43	60.6	53.8	80.8
87	15.7	12.5	18.7
59	8.5	7.3	10.9



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: 218.260 ug/l

RT: 4.02 min Scan# 386

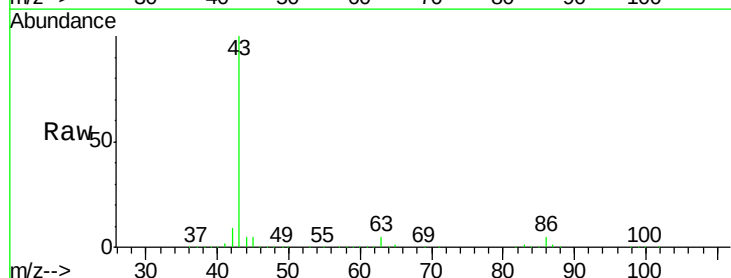
Delta R.T. -0.00 min

Lab File: VD058043.D

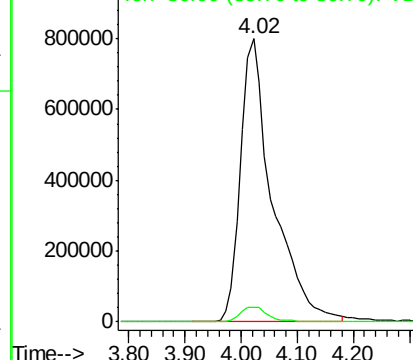
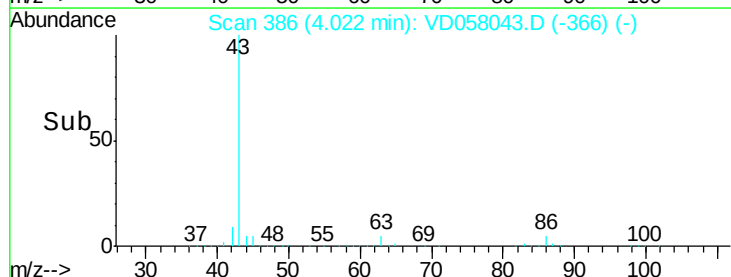
Acq: 9 Jun 2018 4:58

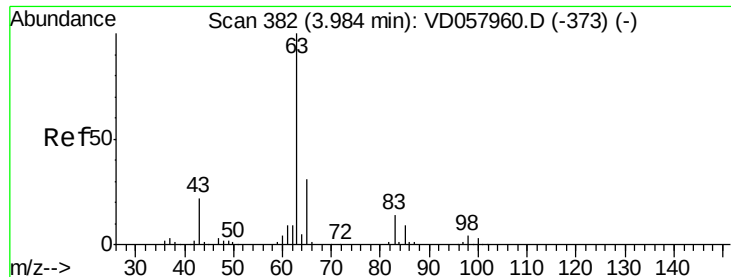
Tgt Ion: 43 Resp: 3179996

Ion	Ratio	Lower	Upper
43	100		
86	5.4	4.7	7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC

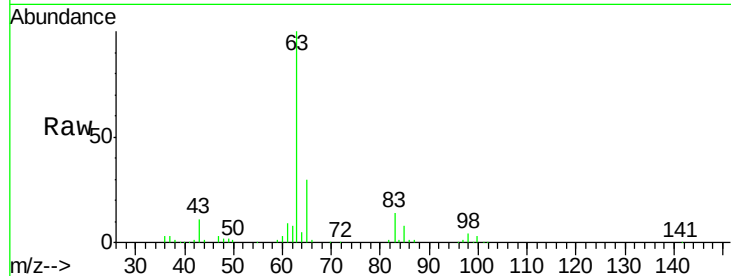




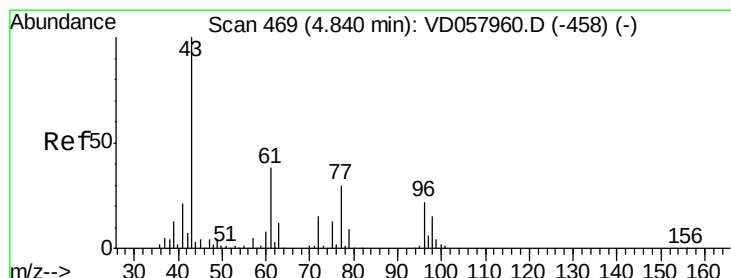
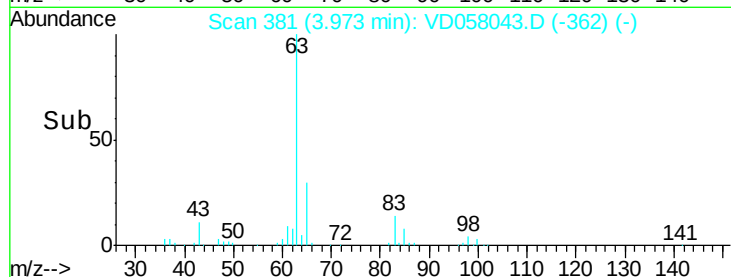
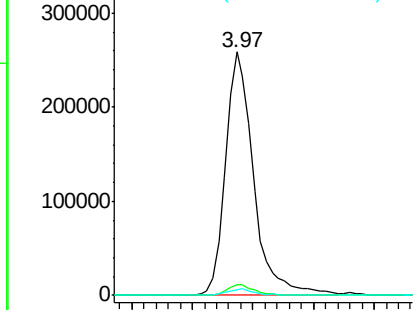
#24
 1,1-Dichloroethane
 Concen: 53.711 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 63 Resp: 832396
 Ion Ratio Lower Upper
 63 100
 98 4.3 2.0 5.8
 100 2.5 1.4 4.2

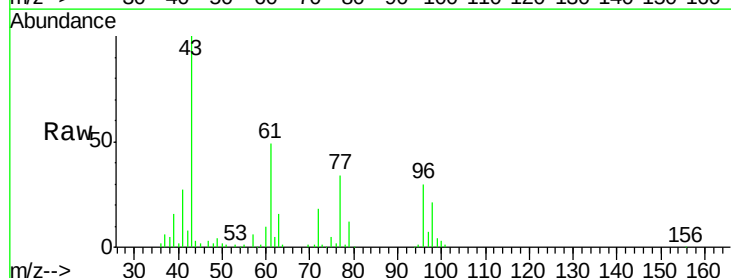


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 97.95 (97.65 to 98.65): VDC
 Ion 99.95 (99.65 to 100.65): VDC

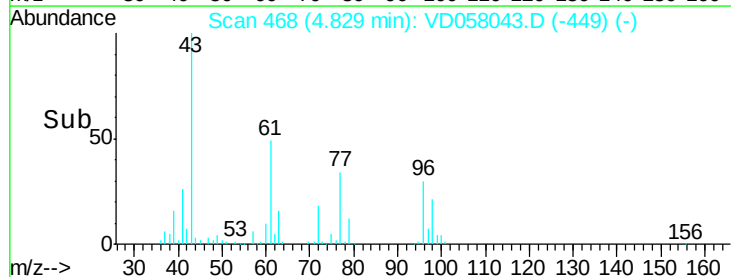
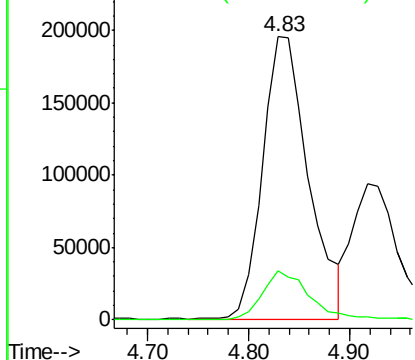


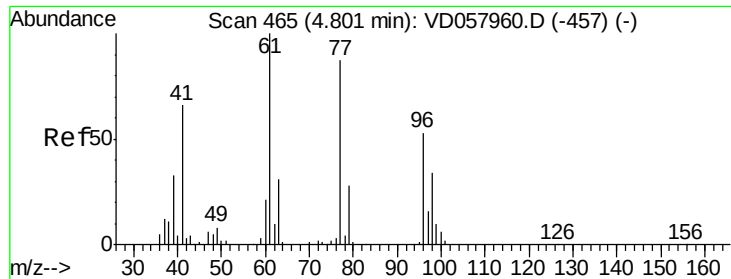
#25
 2-Butanone
 Concen: 244.255 ug/l
 RT: 4.83 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 43 Resp: 615133
 Ion Ratio Lower Upper
 43 100
 72 17.5 12.0 18.0



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

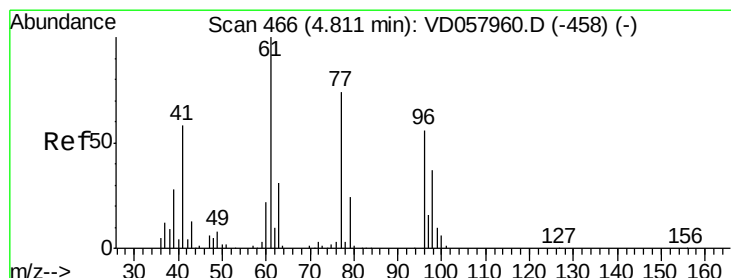
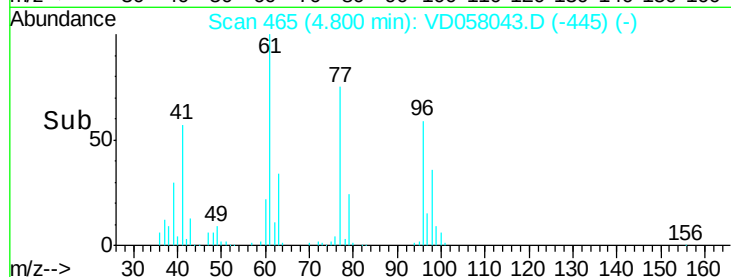
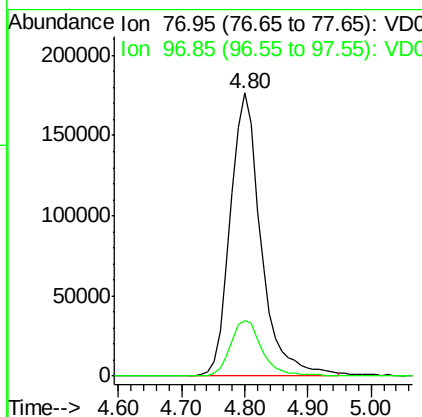
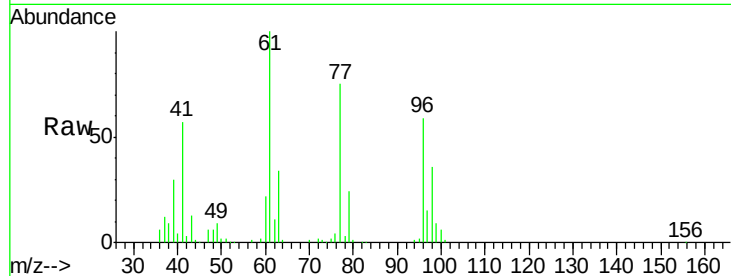




#26
 2,2-Dichloropropane
 Concen: 46.549 ug/l
 RT: 4.80 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

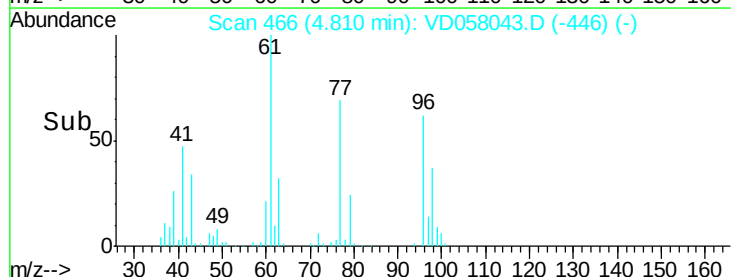
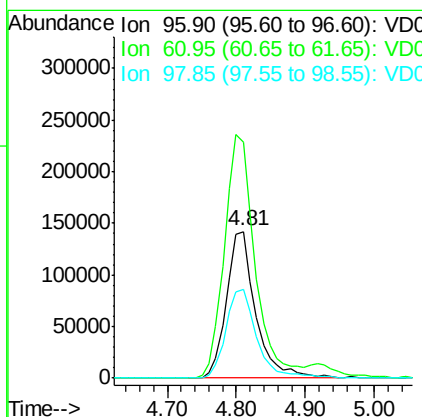
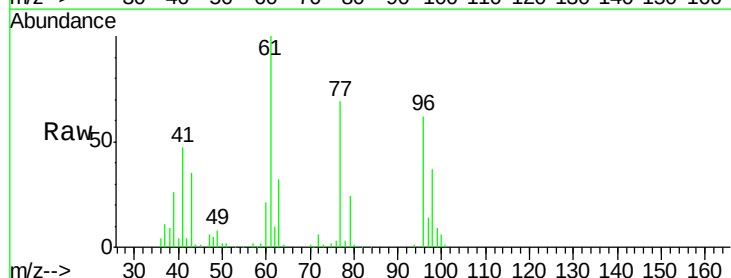
Instrument :
 MSVOA_D
 ClientSampled :

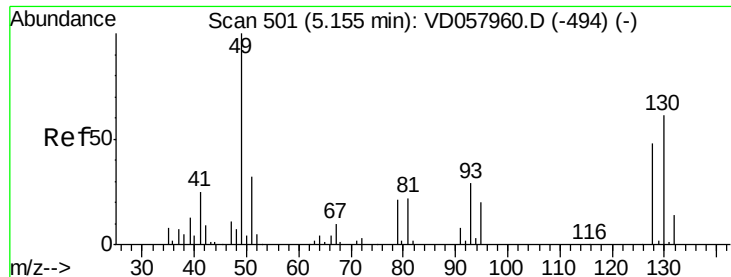
Tot Ion: 77 Resp: 594269
 Ion Ratio Lower Upper
 77 100
 97 19.7 9.2 27.6



#27
 cis-1,2-Dichloroethene
 Concen: 51.180 ug/l
 RT: 4.81 min Scan# 466
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 96 Resp: 417174
 Ion Ratio Lower Upper
 96 100
 61 161.0 0.0 355.0
 98 60.4 0.0 129.6





#28

Bromochloromethane

Concen: 59.579 ug/l

RT: 5.14 min Scan# 500

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :

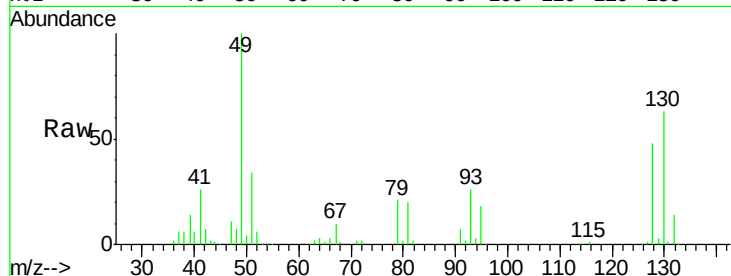
Tot Ion: 49 Resp: 399637

Ion Ratio Lower Upper

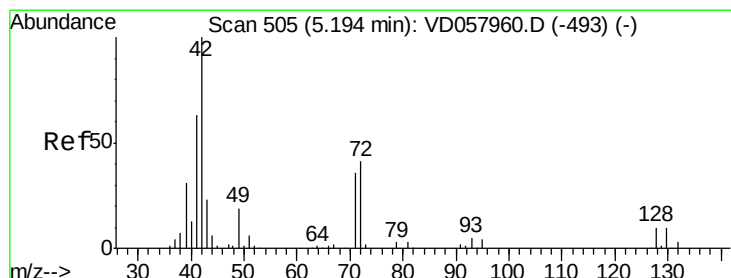
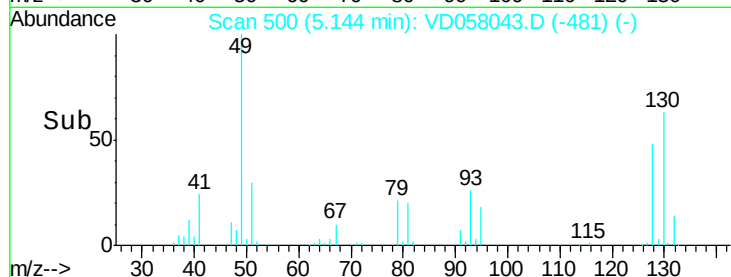
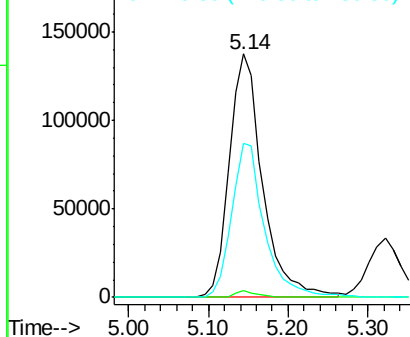
49 100

129 2.6 0.0 3.6

130 63.1 48.8 73.2



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



#29

Tetrahydrofuran

Concen: 270.305 ug/l

RT: 5.18 min Scan# 504

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

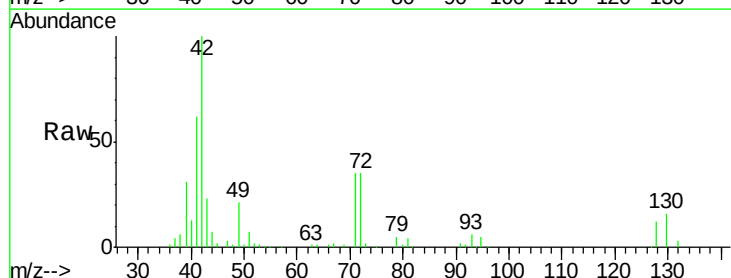
Tgt Ion: 42 Resp: 356846

Ion Ratio Lower Upper

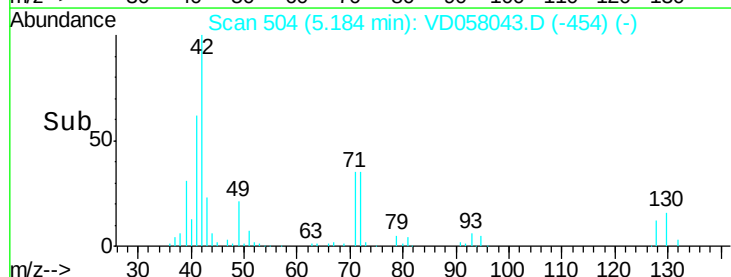
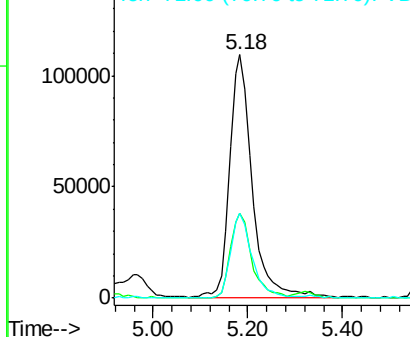
42 100

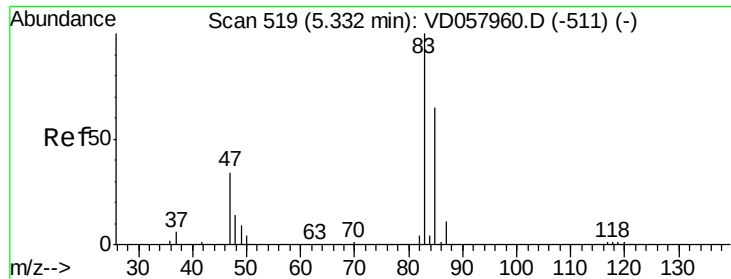
72 33.4 28.5 42.7

71 33.6 27.9 41.9



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

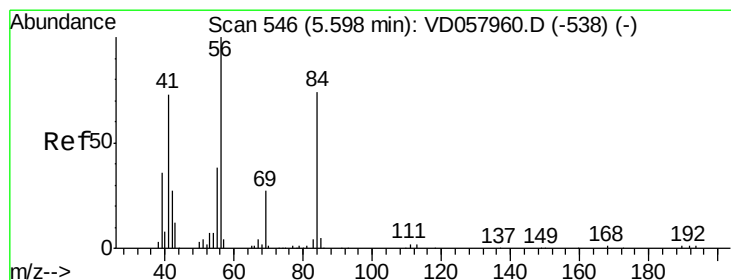
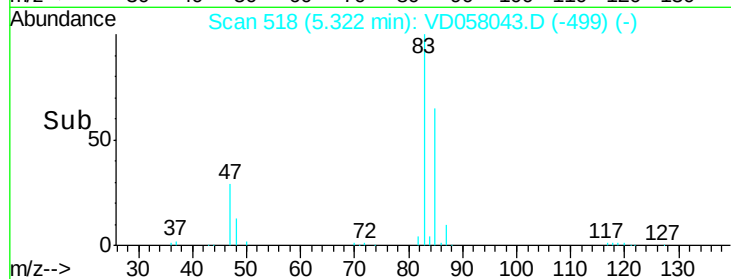
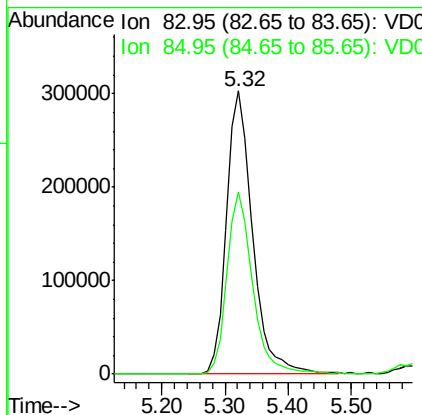
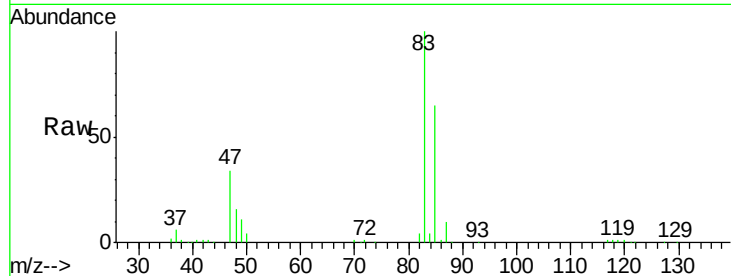




#30
Chloroform
Concen: 55.586 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

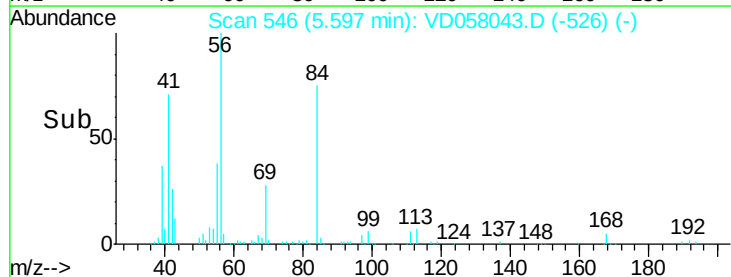
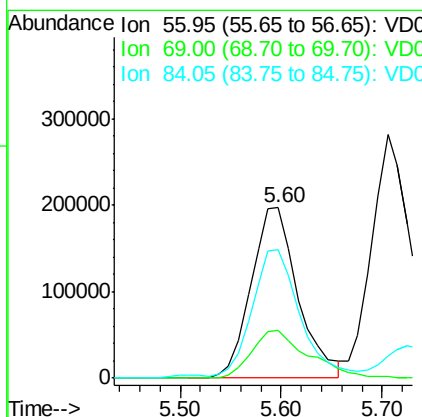
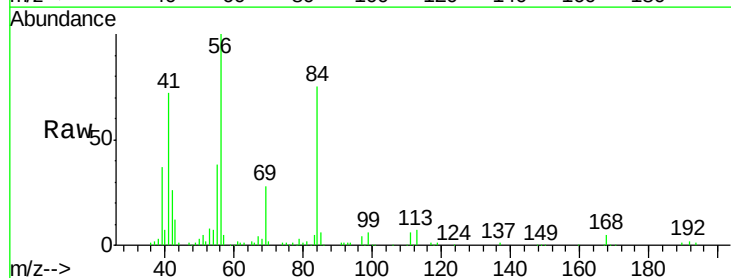
Instrument :
MSVOA_D
ClientSampleId :

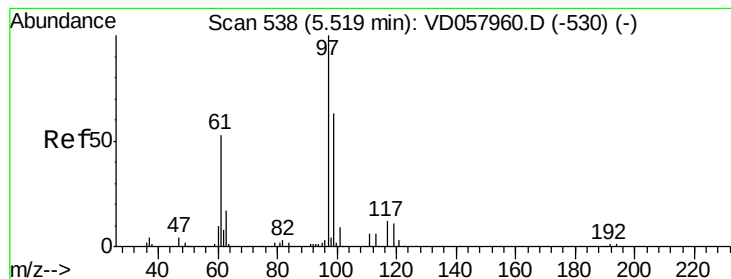
Tot Ion: 83 Resp: 866986
Ion Ratio Lower Upper
83 100
85 64.5 51.6 77.4



#31
Cyclohexane
Concen: 47.604 ug/l
RT: 5.60 min Scan# 546
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 56 Resp: 636678
Ion Ratio Lower Upper
56 100
69 28.1 21.5 32.3
84 75.3 61.0 91.6





#32

1,1,1-Trichloroethane

Concen: 53.381 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampled :

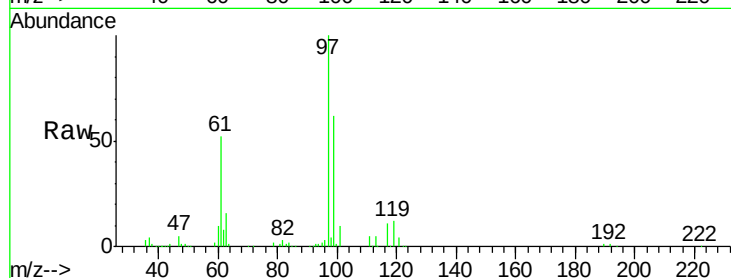
Tot Ion: 97 Resp: 697127

Ion Ratio Lower Upper

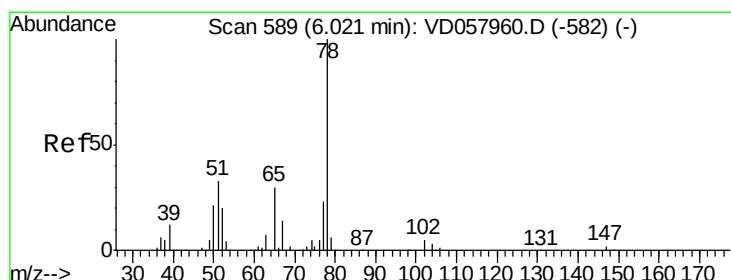
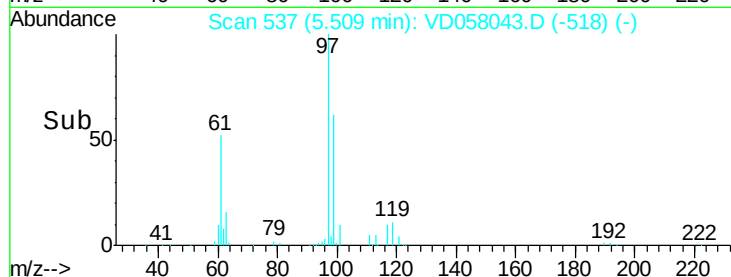
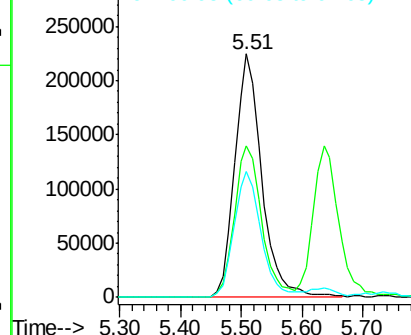
97 100

99 62.0 50.1 75.1

61 51.7 42.2 63.4



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: 53.381 ug/l

RT: 6.02 min Scan# 589

Delta R.T. -0.00 min

Lab File: VD058043.D

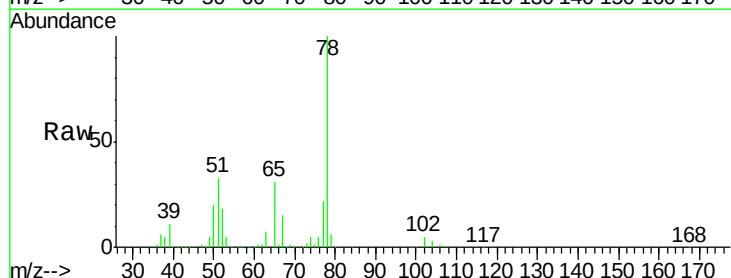
Acq: 9 Jun 2018 4:58

Tgt Ion: 65 Resp: 377852

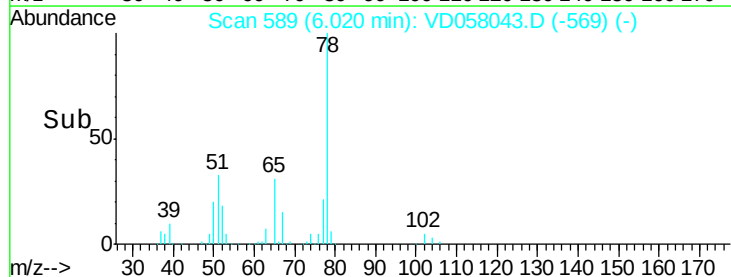
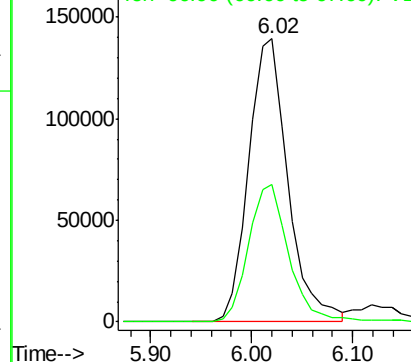
Ion Ratio Lower Upper

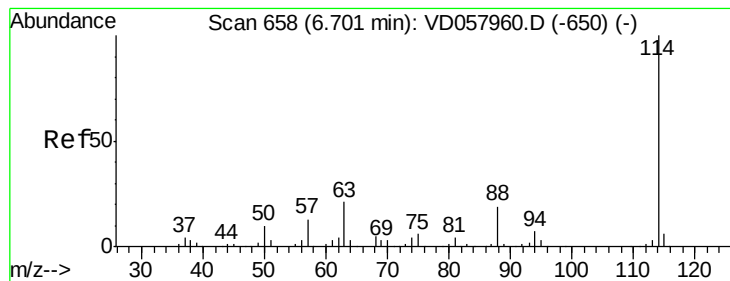
65 100

67 48.5 0.0 94.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 657

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampled :

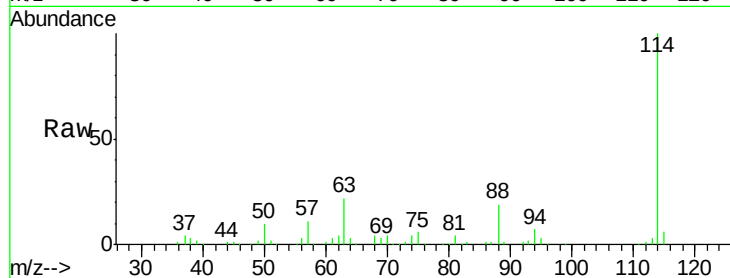
Tot Ion:114 Resp: 1053092

Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.8

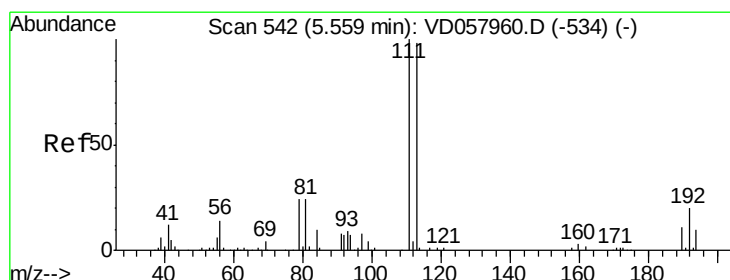
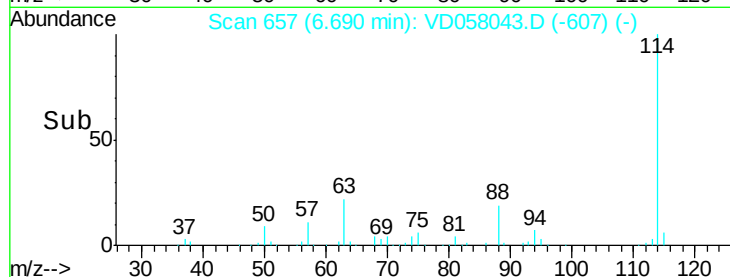
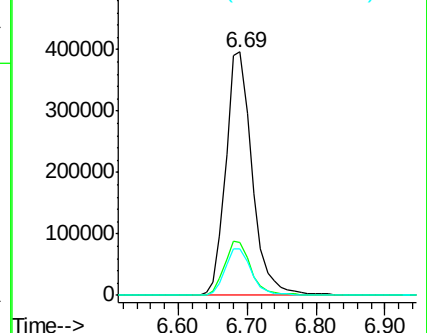
88 18.9 0.0 37.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

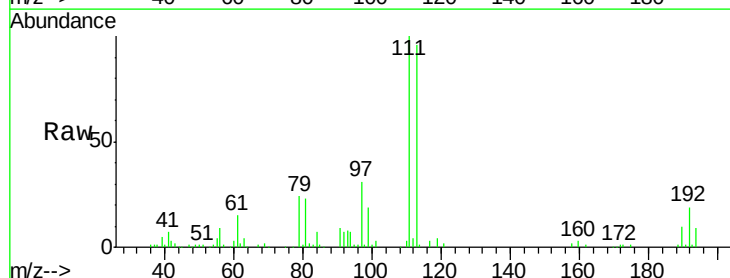
Tgt Ion:113 Resp: 431056

Ion Ratio Lower Upper

113 100

111 103.8 81.5 122.3

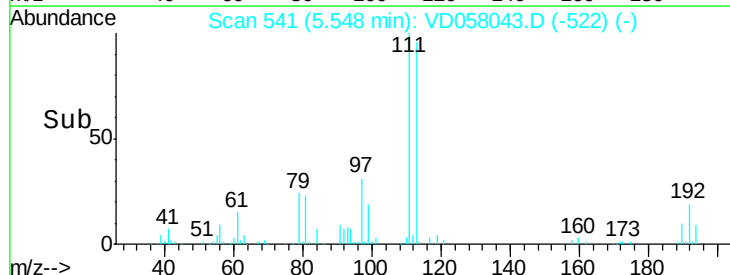
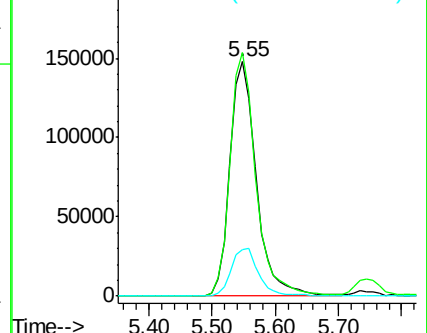
192 19.7 16.4 24.6

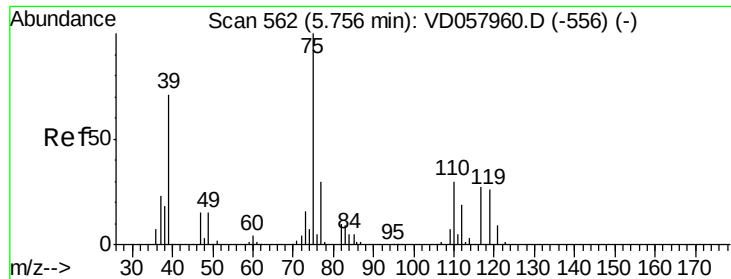


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

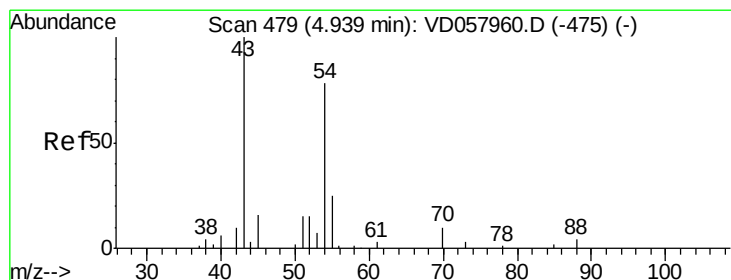
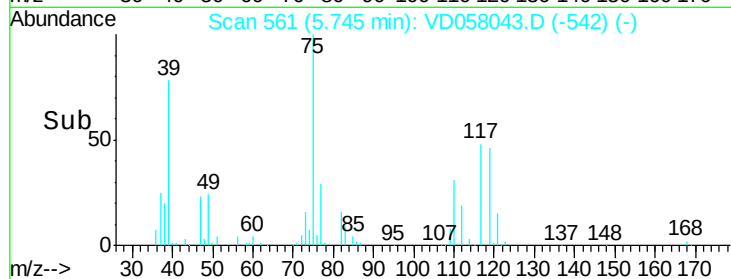
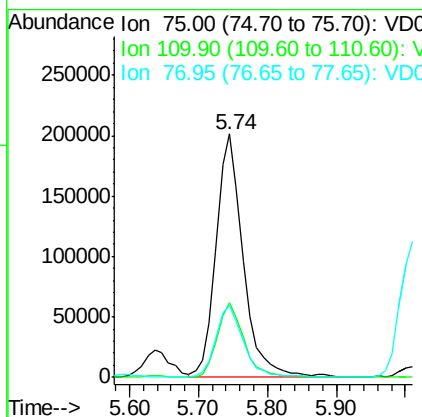
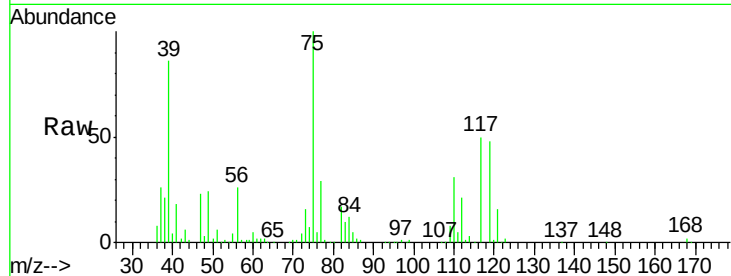




#36
 1,1-Dichloropropene
 Concen: 46.674 ug/l
 RT: 5.74 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

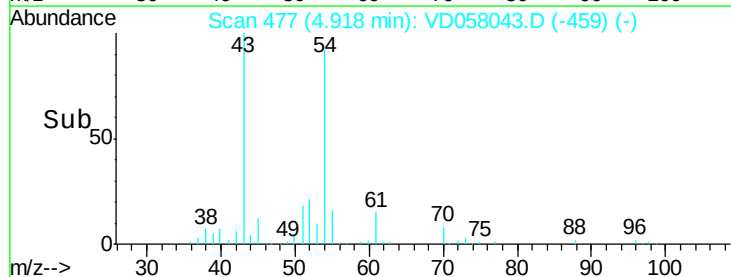
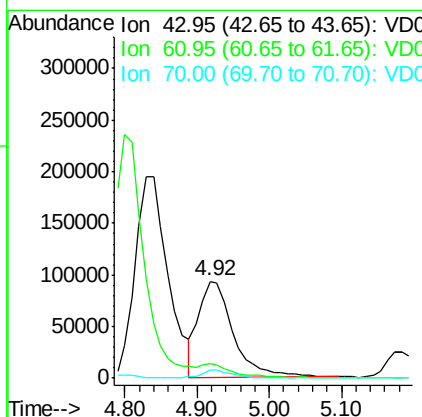
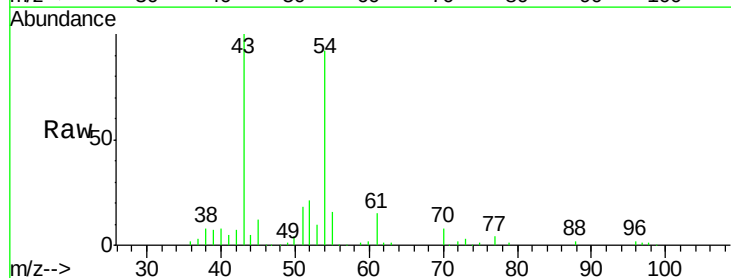
Instrument :
 MSVOA_D
 ClientSampleID :

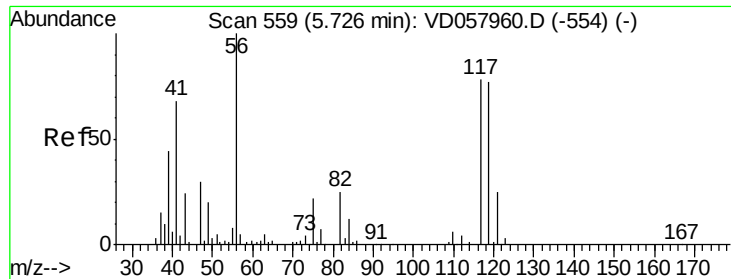
Tot Ion: 75 Resp: 541524
 Ion Ratio Lower Upper
 75 100
 110 30.6 14.8 44.3
 77 29.5 23.9 35.9



#37
 Ethyl Acetate
 Concen: 48.904 ug/l
 RT: 4.92 min Scan# 477
 Delta R.T. -0.02 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 43 Resp: 309603
 Ion Ratio Lower Upper
 43 100
 61 15.1 9.9 14.9#
 70 7.8 5.7 8.5





#38

Carbon Tetrachloride

Concen: 50.216 ug/l

RT: 5.73 min Scan# 559

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampled :

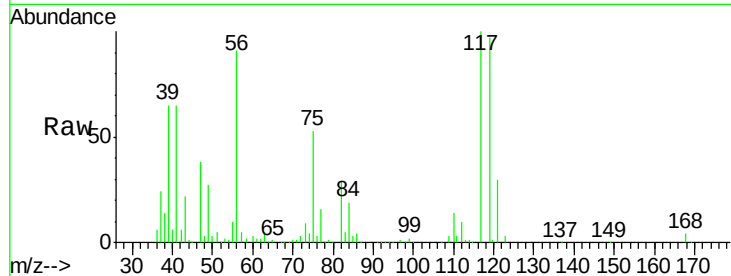
Tot Ion:117 Resp: 574191

Ion Ratio Lower Upper

117 100

119 97.4 76.1 114.1

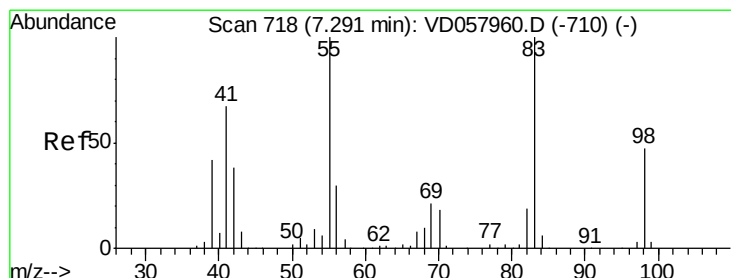
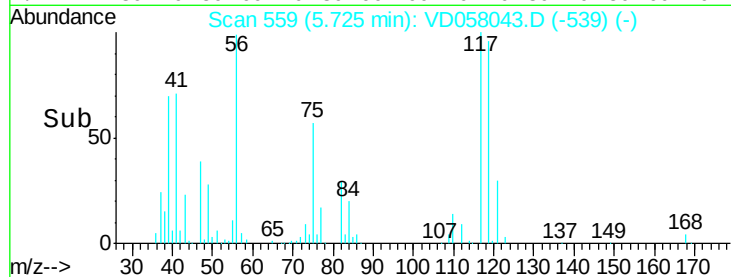
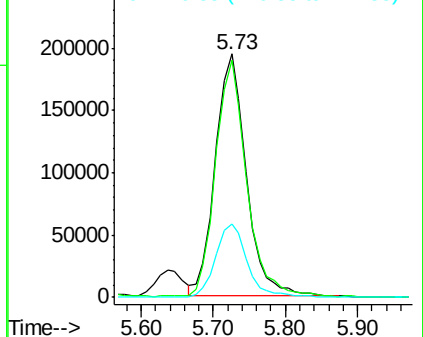
121 29.9 24.9 37.3



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#39

Methylcyclohexane

Concen: 45.164 ug/l

RT: 7.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

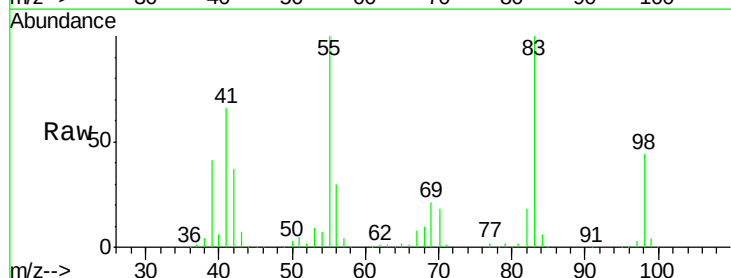
Tgt Ion: 83 Resp: 519453

Ion Ratio Lower Upper

83 100

55 100.2 80.3 120.5

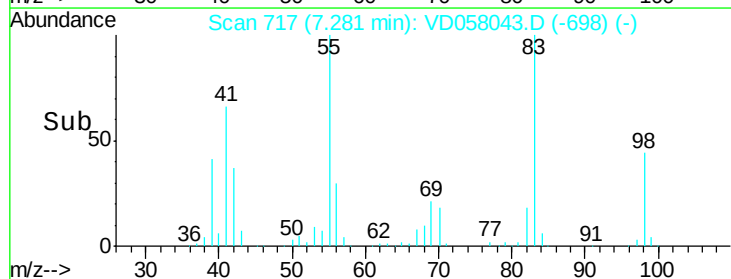
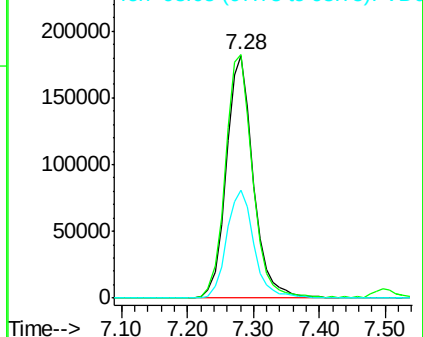
98 44.5 38.0 57.0

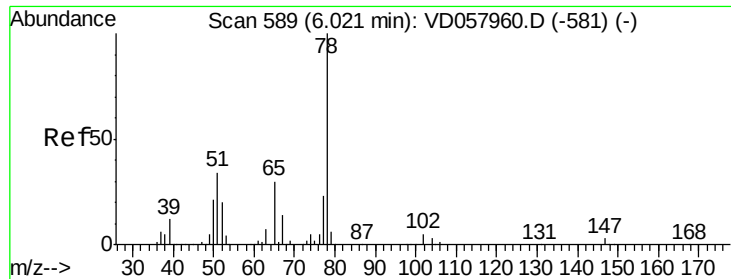


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC

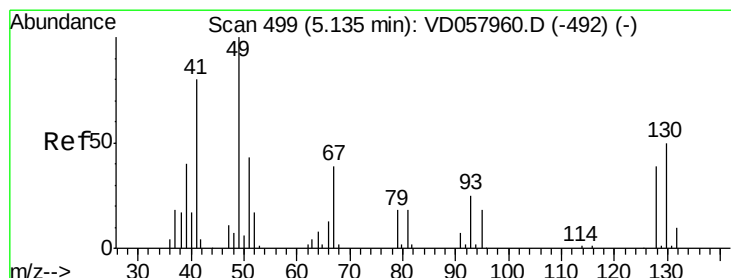
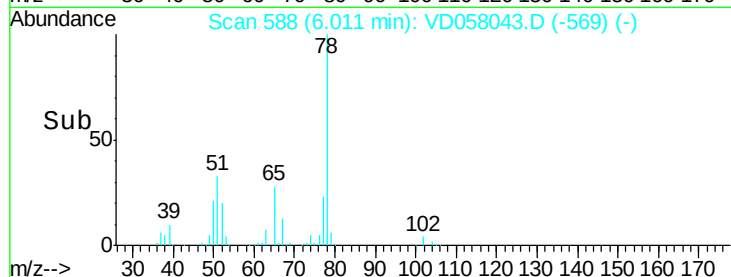
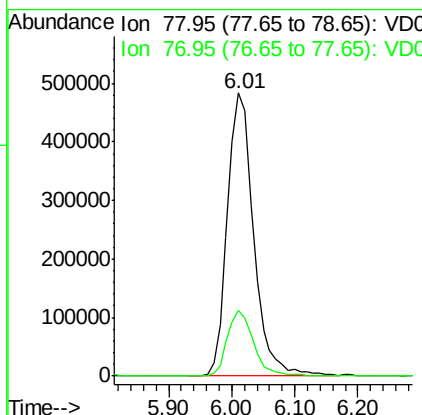
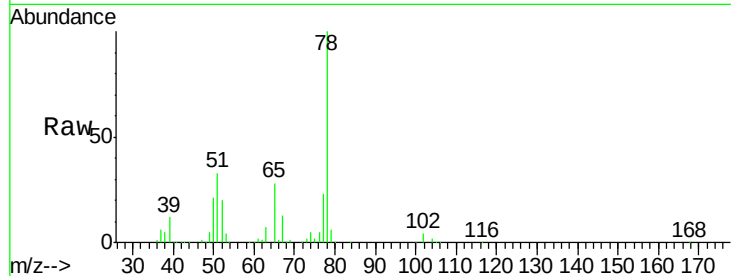




#40
Benzene
Concen: 51.596 ug/l
RT: 6.01 min Scan# 588
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

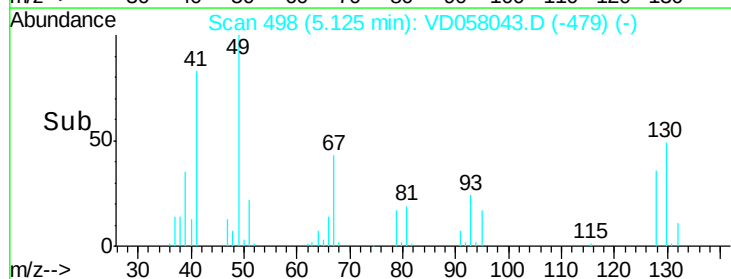
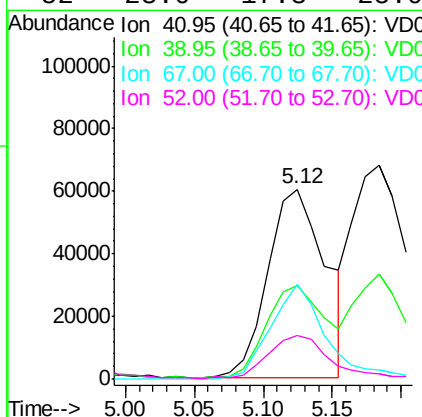
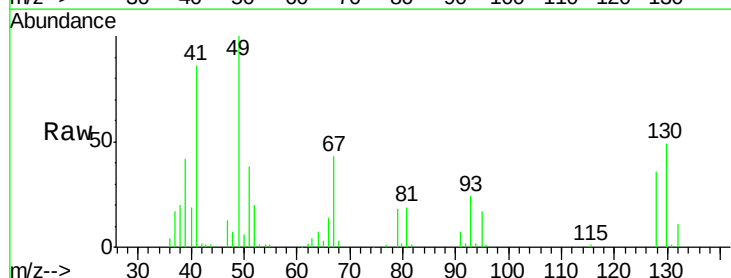
Instrument :
MSVOA_D
ClientSampled :

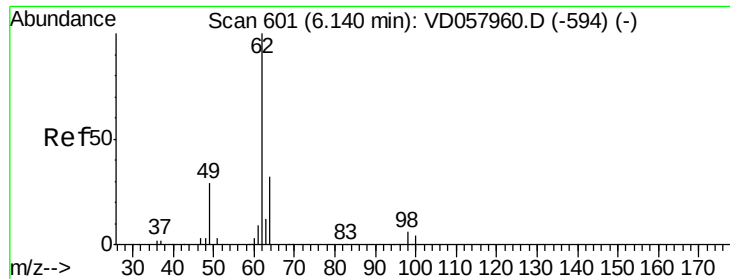
Tot Ion: 78 Resp: 1398433
Ion Ratio Lower Upper
78 100
77 23.3 18.1 27.1



#41
Methacrylonitrile
Concen: 60.443 ug/l
RT: 5.12 min Scan# 498
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 41 Resp: 174962
Ion Ratio Lower Upper
41 100
39 49.0 40.7 61.1
67 49.7 38.8 58.2
52 23.0 17.3 25.9





#42

1,2-Dichloroethane

Concen: 51.908 ug/l

RT: 6.13 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

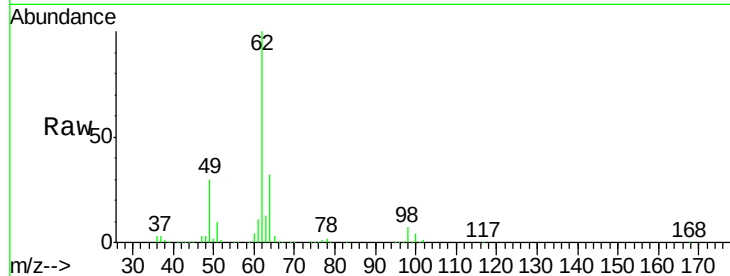
ClientSampleId :

Tot Ion: 62 Resp: 568831

Ion Ratio Lower Upper

62 100

98 6.9 0.0 12.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

6.13

200000

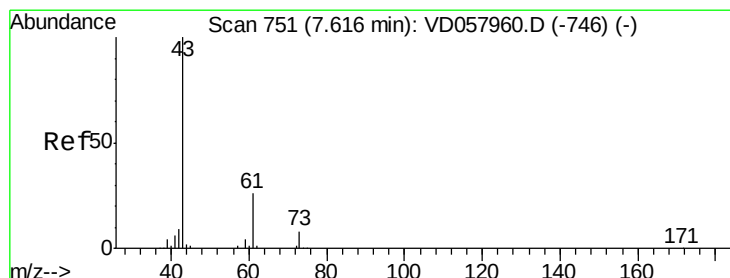
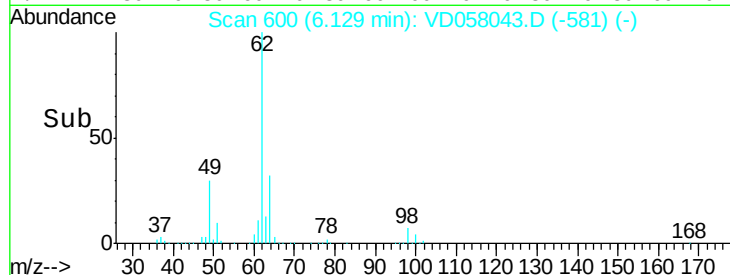
150000

100000

50000

0

Time-->



#43

Isopropyl Acetate

Concen: 49.338 ug/l

RT: 7.61 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

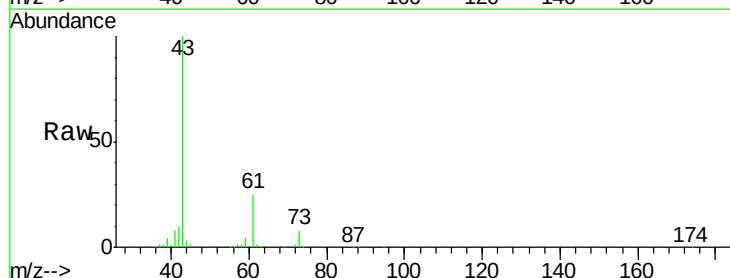
Tgt Ion: 43 Resp: 409129

Ion Ratio Lower Upper

43 100

61 25.4 20.6 30.8

87 0.4 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

7.61

200000

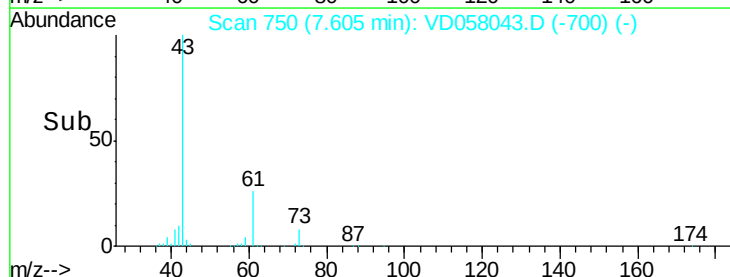
150000

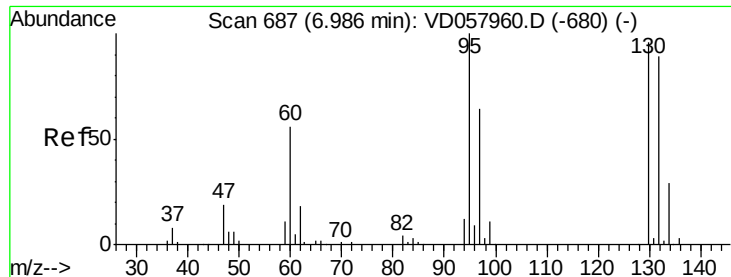
100000

50000

0

Time-->

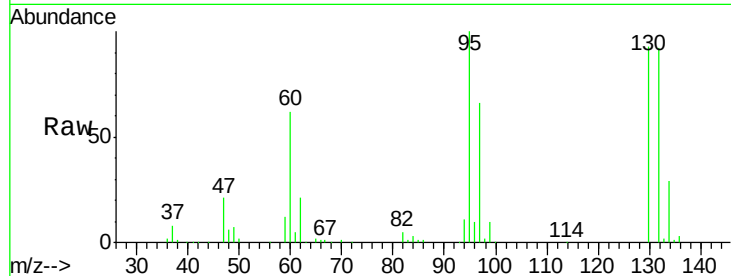




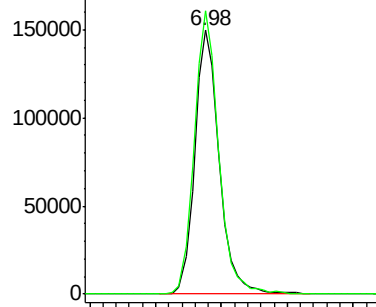
#44
 Trichloroethene
 Concen: 49.235 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Instrument :
 MSVOA_D
 ClientSampleId :

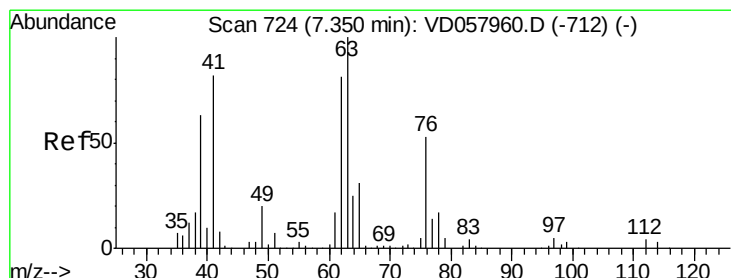
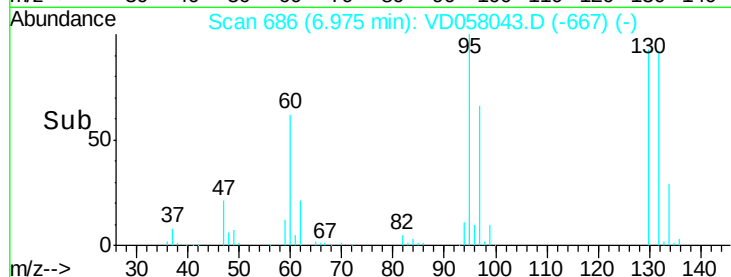
Tot Ion:130 Resp: 389788
 Ion Ratio Lower Upper
 130 100
 95 107.4 0.0 207.4



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

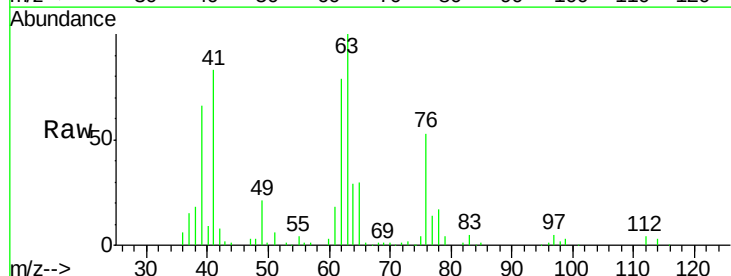


Time--> 6.80 6.90 7.00 7.10 7.20

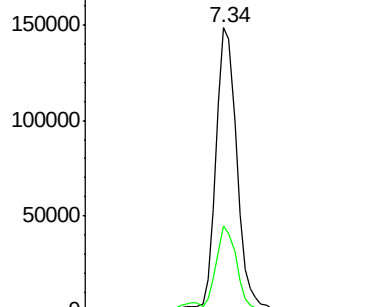


#45
 1,2-Dichloropropane
 Concen: 53.907 ug/l
 RT: 7.34 min Scan# 723
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

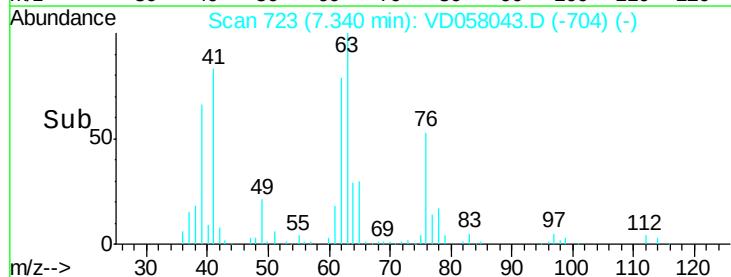
Tgt Ion: 63 Resp: 406081
 Ion Ratio Lower Upper
 63 100
 65 30.0 24.9 37.3

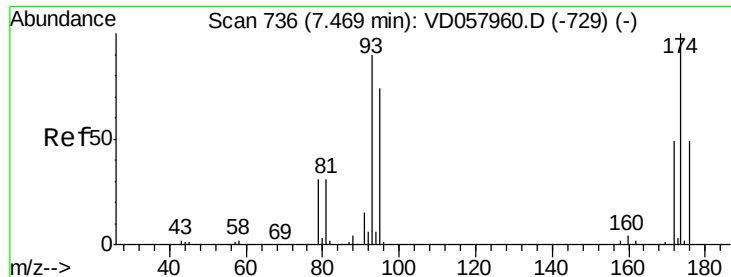


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 64.95 (64.65 to 65.65): VDC



Time--> 7.20 7.40





#46

Dibromomethane

Concen: 50.383 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampled :

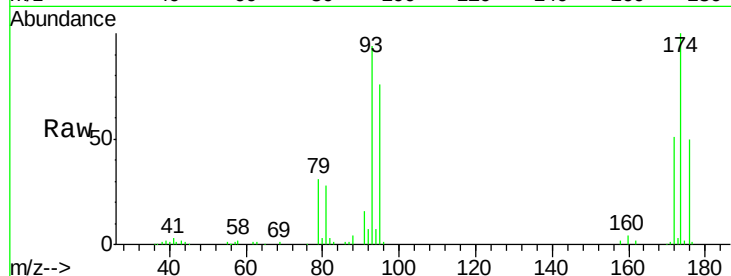
Tot Ion: 93 Resp: 243814

Ion Ratio Lower Upper

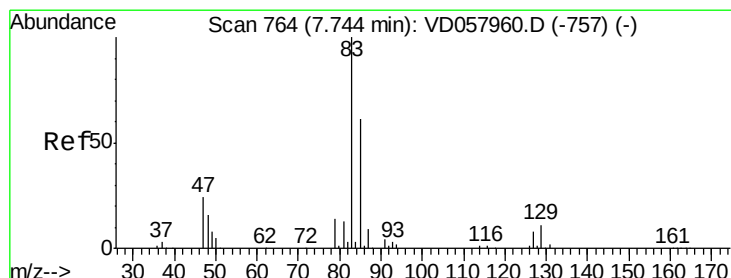
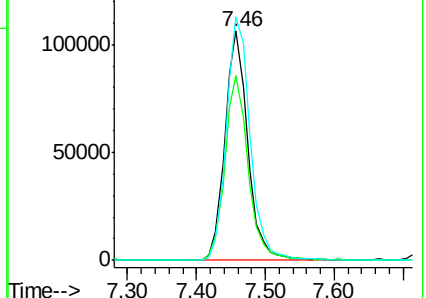
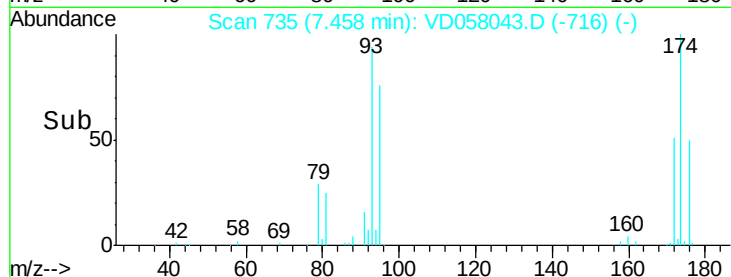
93 100

95 80.8 65.7 98.5

174 106.2 89.0 133.4



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



#47

Bromodichloromethane

Concen: 55.280 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

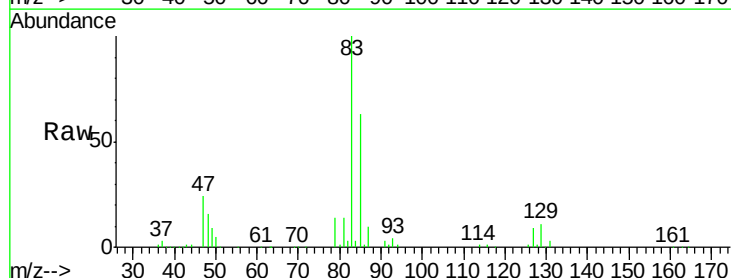
Tgt Ion: 83 Resp: 626348

Ion Ratio Lower Upper

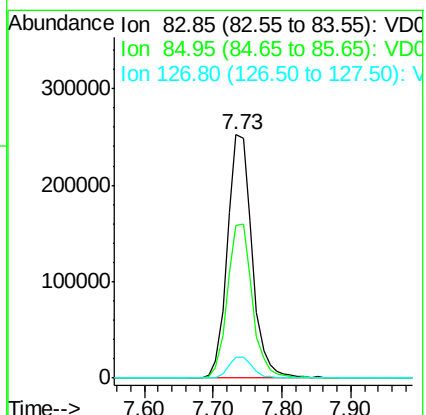
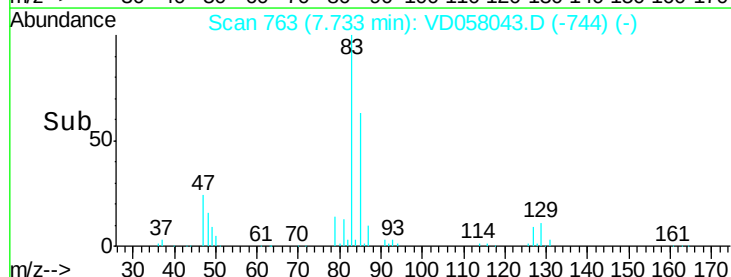
83 100

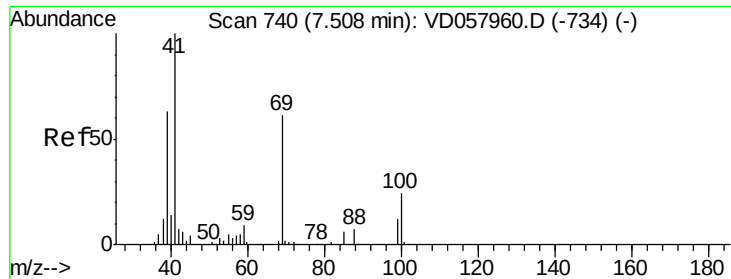
85 62.9 49.1 73.7

127 8.7 6.2 9.2



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

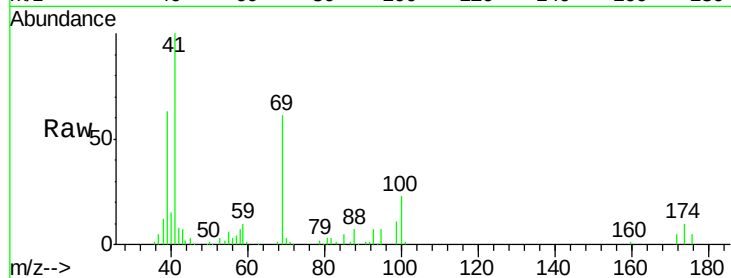




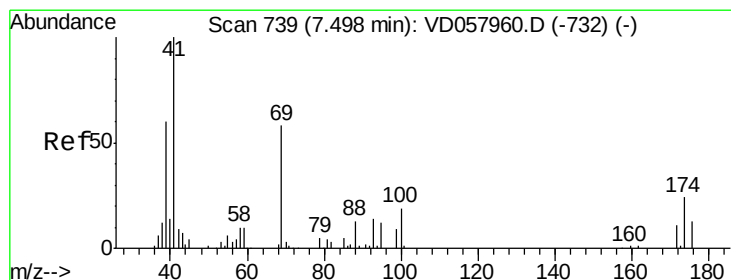
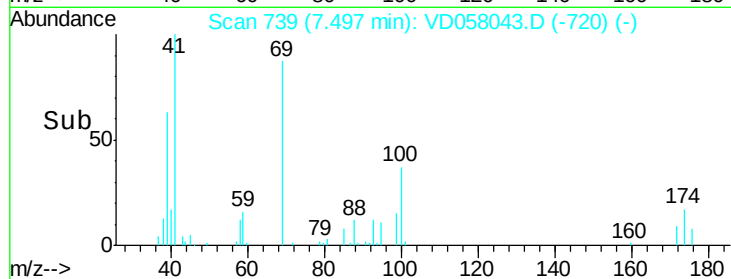
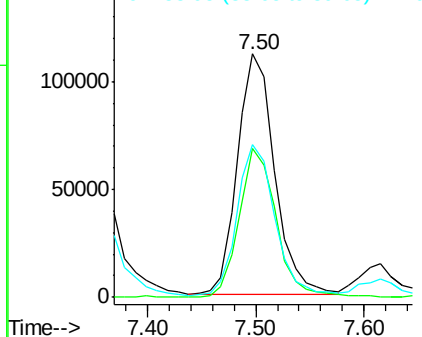
#48
Methyl methacrylate
Concen: 51.976 ug/l
RT: 7.50 min Scan# 739
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 265276
Ion Ratio Lower Upper
41 100
69 61.3 48.0 72.0
39 62.6 50.7 76.1

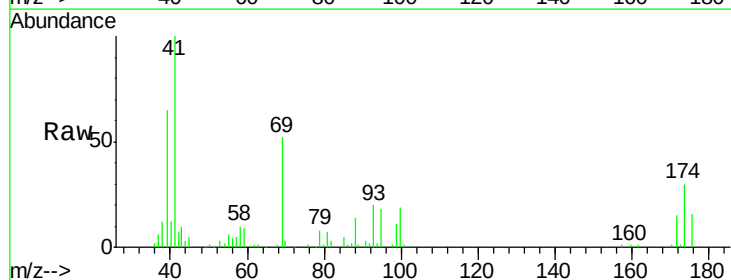


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

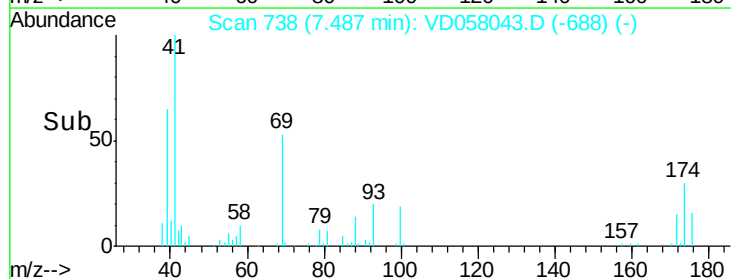
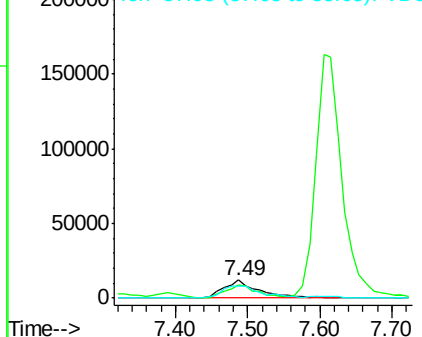


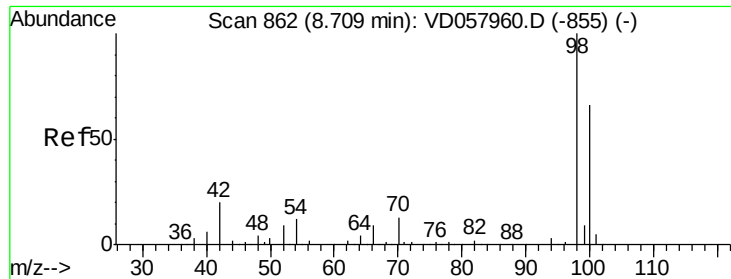
#49
1,4-Dioxane
Concen: 970.994 ug/l
RT: 7.49 min Scan# 738
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 88 Resp: 41055
Ion Ratio Lower Upper
88 100
43 70.8 46.6 69.8#
58 67.7 63.6 95.4



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

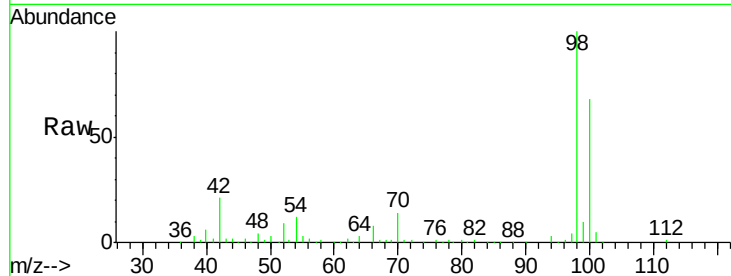




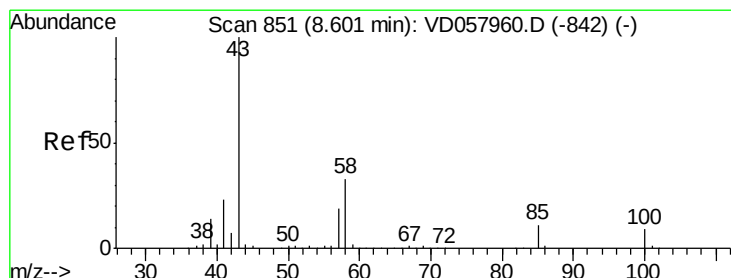
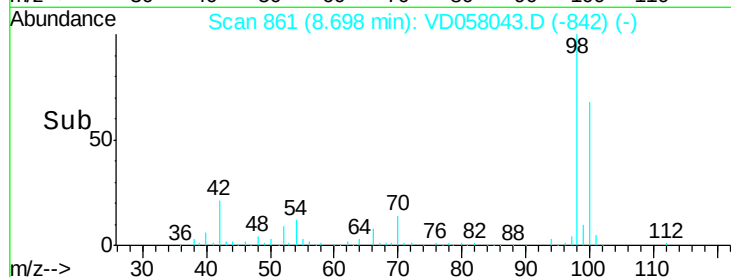
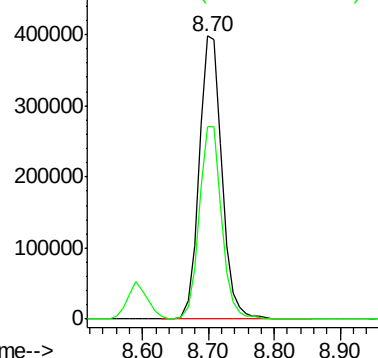
#50
Toluene-d8
Concen: 970.994 ug/l
RT: 8.70 min Scan# 861
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 962379
Ion Ratio Lower Upper
98 100
100 67.9 53.4 80.0

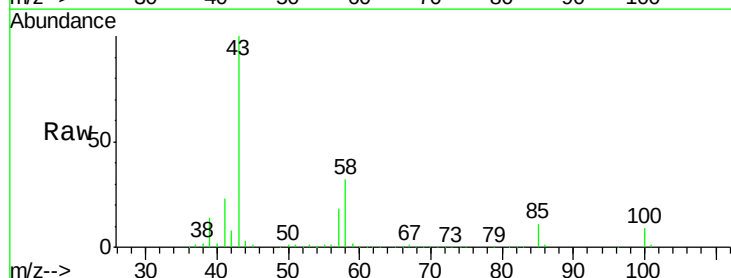


Abundance Ion 98.05 (97.75 to 98.75): VD057960.D (-855) (-)
Ion 100.05 (99.75 to 100.75): VD057960.D (-855) (-)

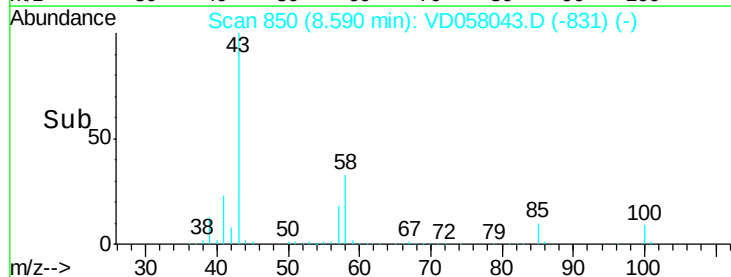
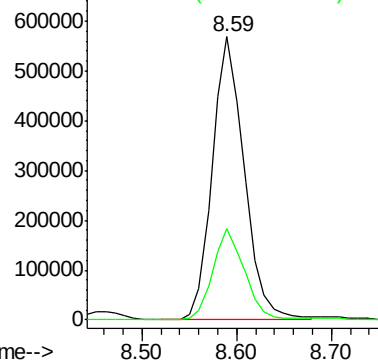


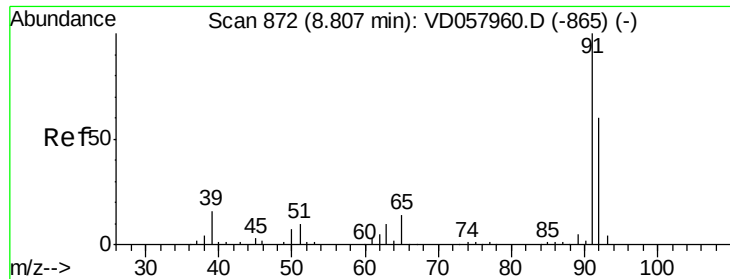
#51
4-Methyl-2-Pentanone
Concen: 249.031 ug/l
RT: 8.59 min Scan# 850
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 43 Resp: 1324540
Ion Ratio Lower Upper
43 100
58 32.4 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VD057960.D (-842) (-)
Ion 57.95 (57.65 to 58.65): VD057960.D (-842) (-)





#52

Toluene

Concen: 50.463 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

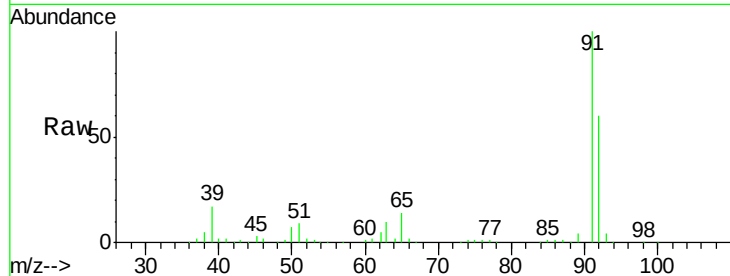
ClientSampled :

Tot Ion: 92 Resp: 784961

Ion Ratio Lower Upper

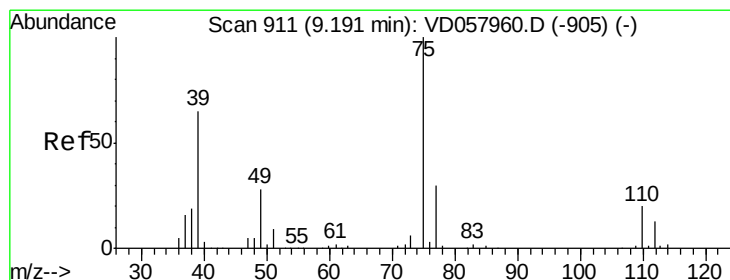
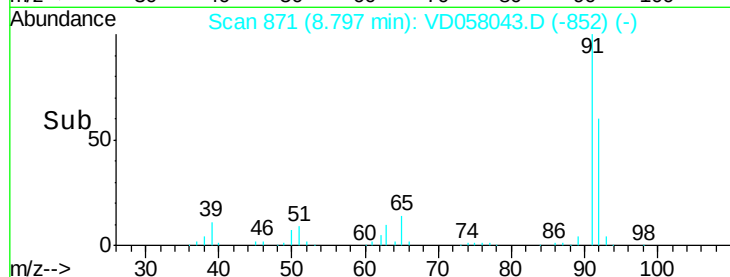
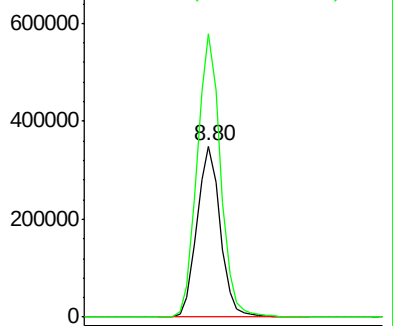
92 100

91 165.5 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#53

t-1,3-Dichloropropene

Concen: 47.099 ug/l

RT: 9.18 min Scan# 910

Delta R.T. -0.01 min

Lab File: VD058043.D

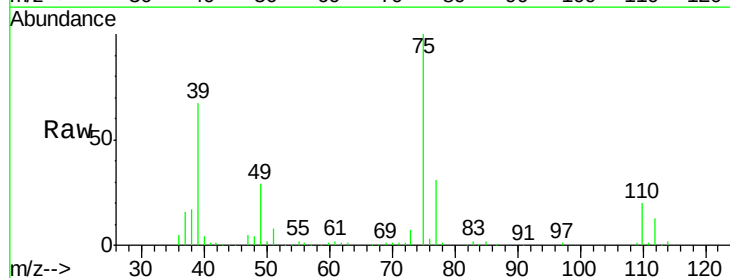
Acq: 9 Jun 2018 4:58

Tgt Ion: 75 Resp: 459775

Ion Ratio Lower Upper

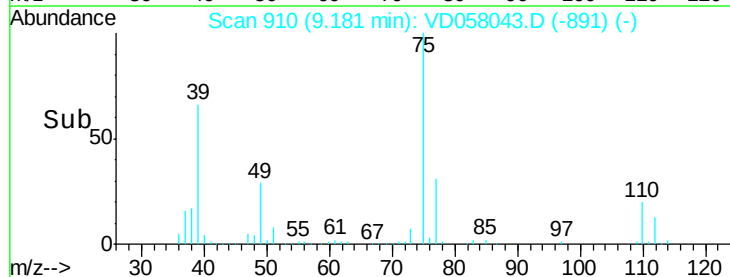
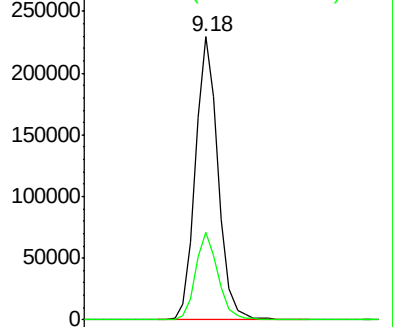
75 100

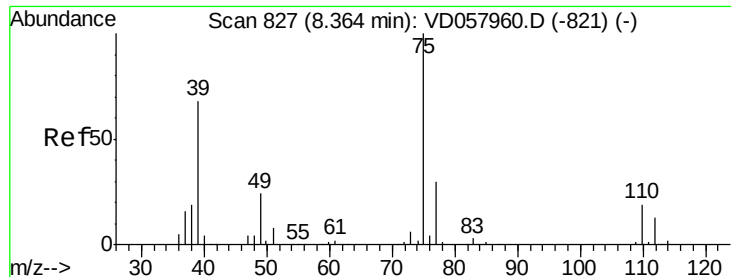
77 30.9 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



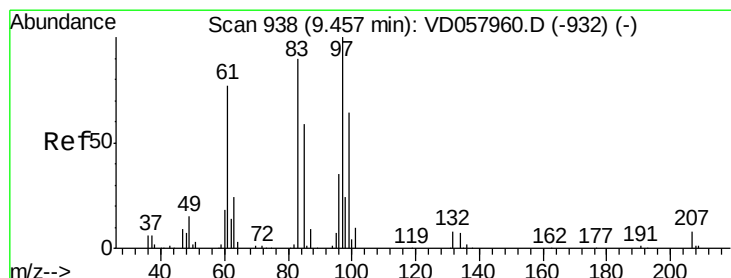
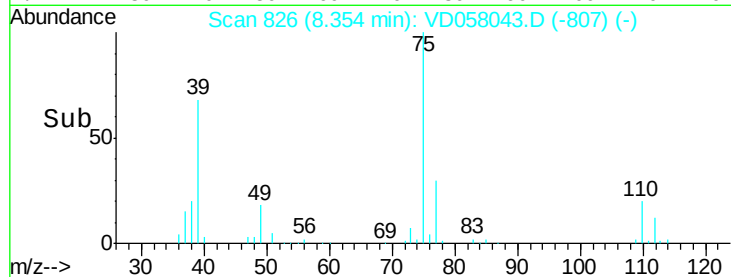
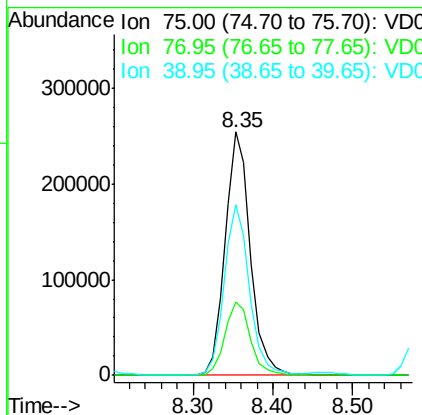
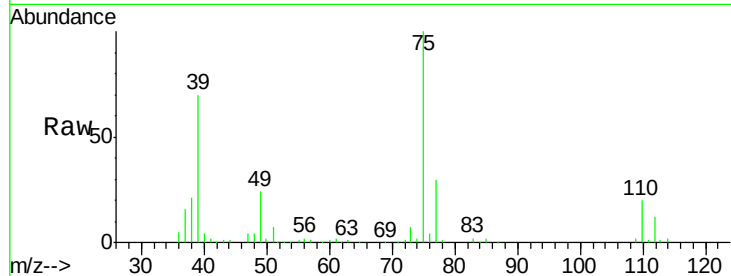


#54

cis-1,3-Dichloropropene
 Concen: 49.280 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Instrument :
 MSVOA_D
 ClientSampleId :

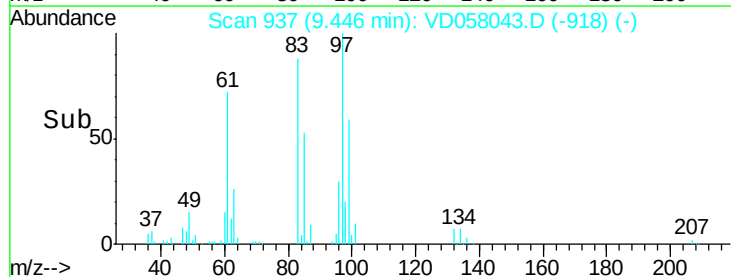
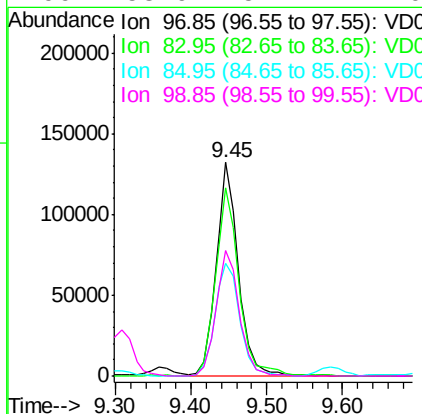
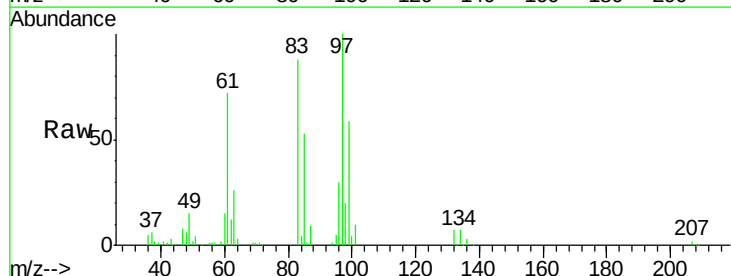
Tot Ion: 75 Resp: 566745
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.1 36.1
 39 70.2 54.0 81.0

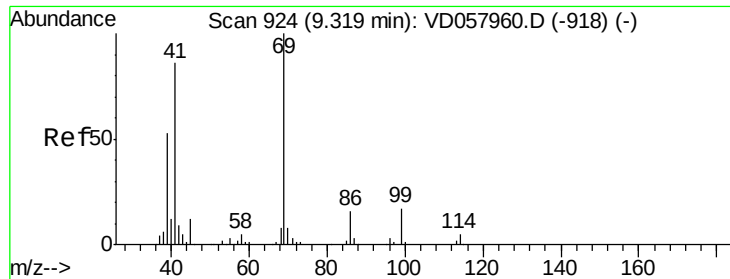


#55

1,1,2-Trichloroethane
 Concen: 53.826 ug/l
 RT: 9.45 min Scan# 937
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 97 Resp: 270975
 Ion Ratio Lower Upper
 97 100
 83 88.3 71.8 107.8
 85 52.8 47.2 70.8
 99 58.9 51.4 77.0





#56

Ethyl methacrylate

Concen: 52.518 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampled :

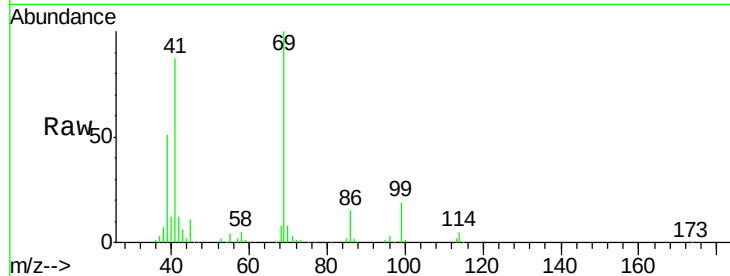
Tot Ion: 69 Resp: 324315

Ion Ratio Lower Upper

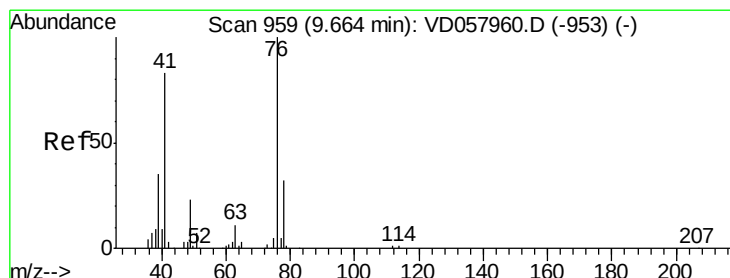
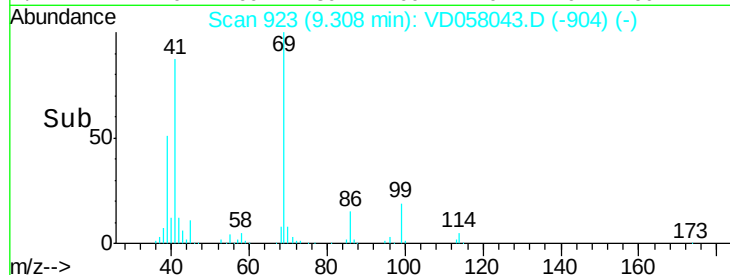
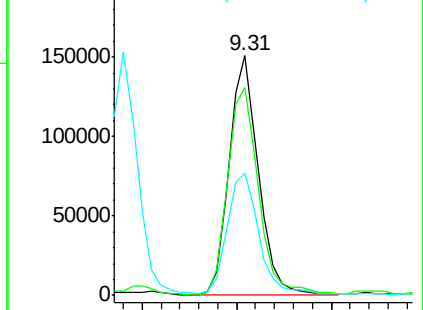
69 100

41 86.9 68.4 102.6

39 50.9 43.0 64.4



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



#57

1,3-Dichloropropane

Concen: 52.683 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD058043.D

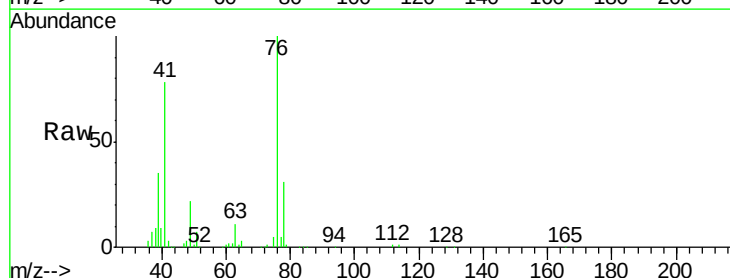
Acq: 9 Jun 2018 4:58

Tgt Ion: 76 Resp: 465170

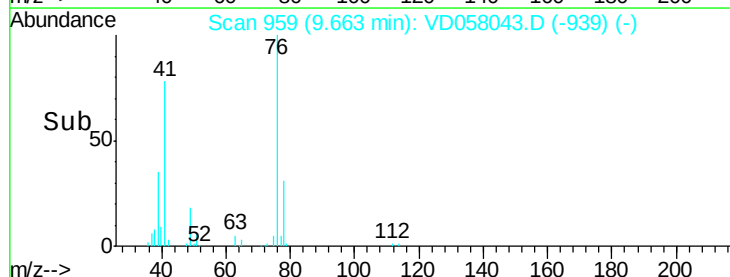
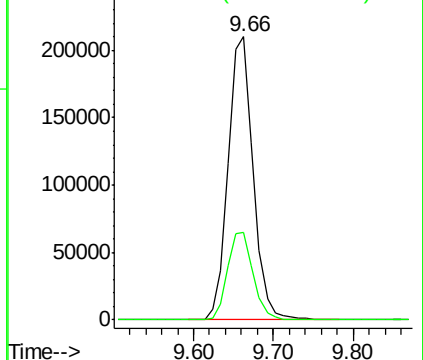
Ion Ratio Lower Upper

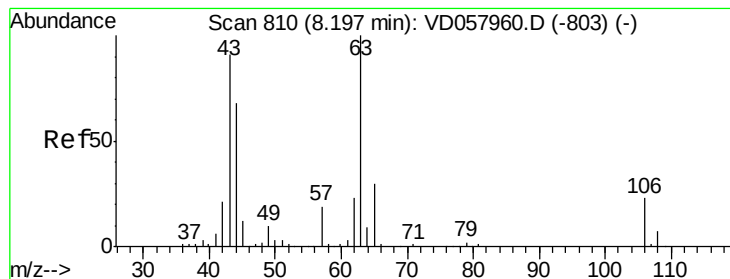
76 100

78 30.8 25.4 38.2



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: 256.865 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

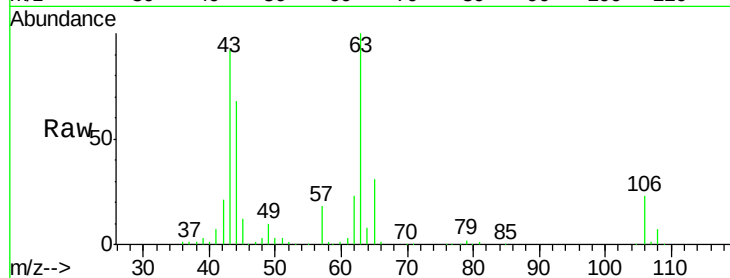
ClientSampleId :

Tot Ion: 63 Resp: 801405

Ion Ratio Lower Upper

63 100

106 23.2 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.19

400000

300000

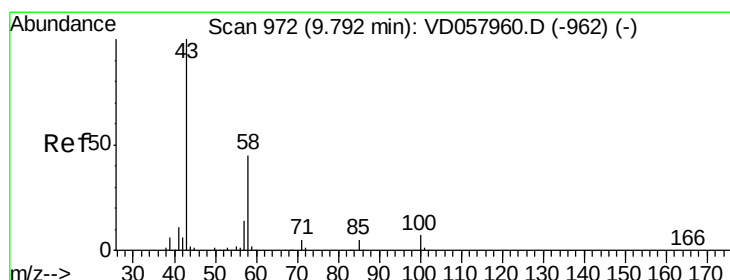
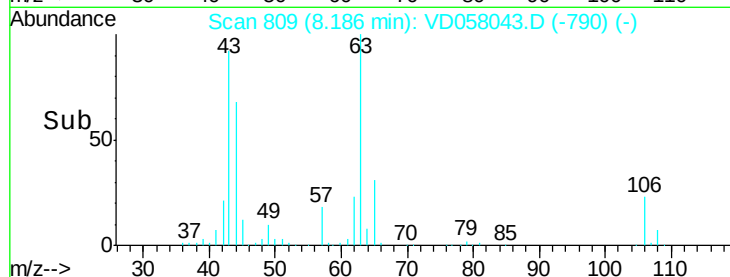
200000

100000

0

8.10 8.20 8.30

Time-->



#59

2-Hexanone

Concen: 244.267 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD058043.D

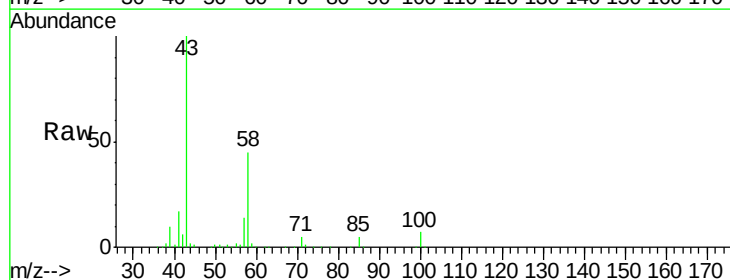
Acq: 9 Jun 2018 4:58

Tgt Ion: 43 Resp: 952102

Ion Ratio Lower Upper

43 100

58 44.6 22.5 67.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.78

500000

400000

300000

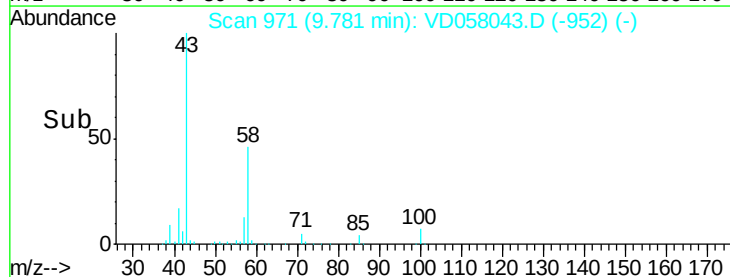
200000

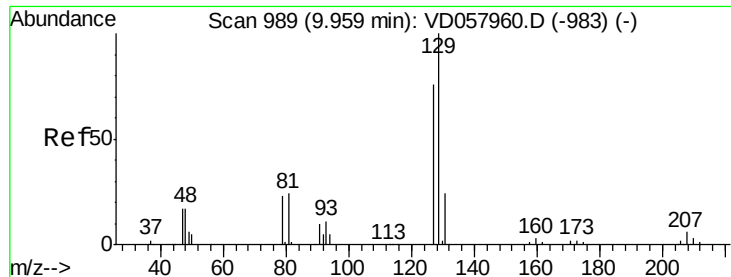
100000

0

9.70 9.80 9.90

Time-->





#60

Dibromochloromethane

Concen: 54.609 ug/l

RT: 9.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

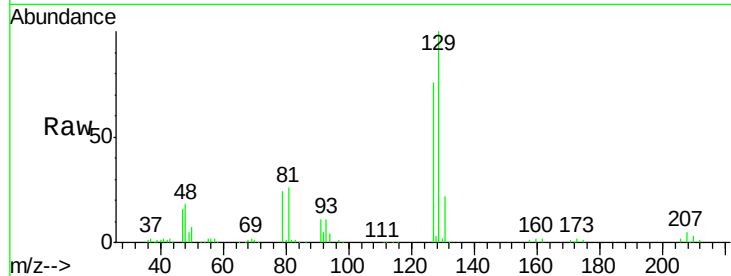
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:129 Resp: 387675

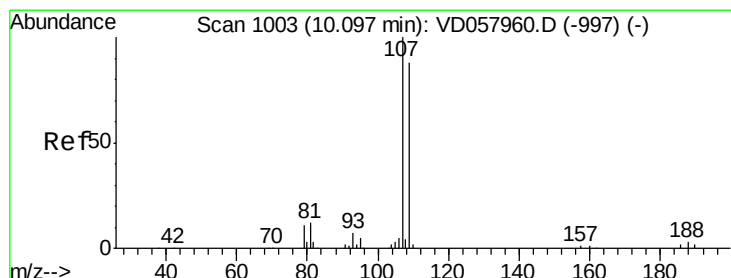
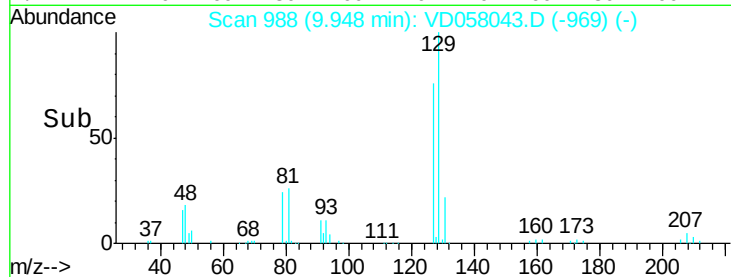
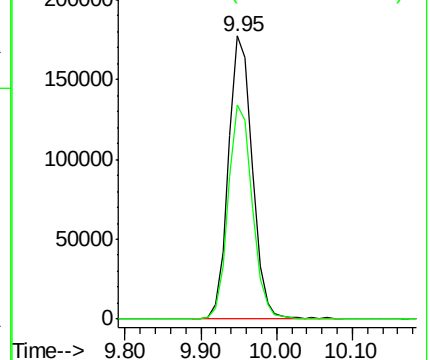
Ion Ratio Lower Upper

129 100

127 75.9 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 50.262 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058043.D

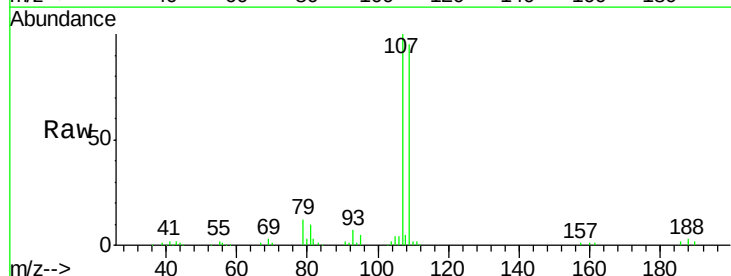
Acq: 9 Jun 2018 4:58

Tgt Ion:107 Resp: 290991

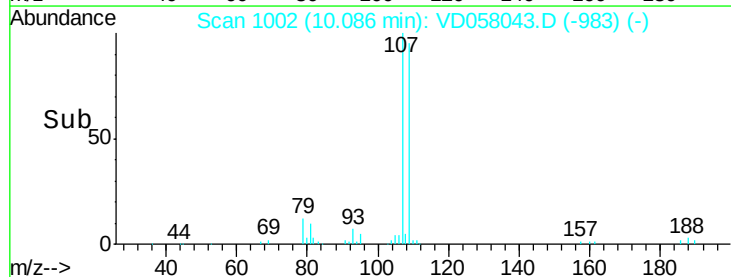
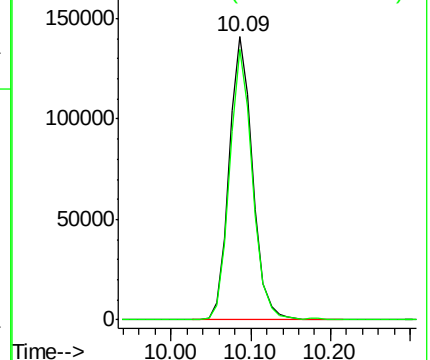
Ion Ratio Lower Upper

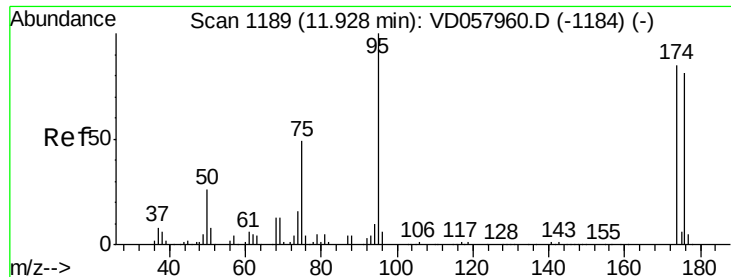
107 100

109 95.5 70.6 106.0



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.90 (108.60 to 109.60): V





#62

4-Bromofluorobenzene

Concen: 50.262 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

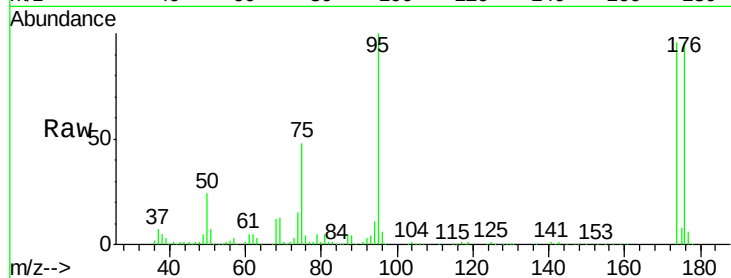
Tot Ion: 95 Resp: 407489

Ion Ratio Lower Upper

95 100

174 95.6 0.0 169.4

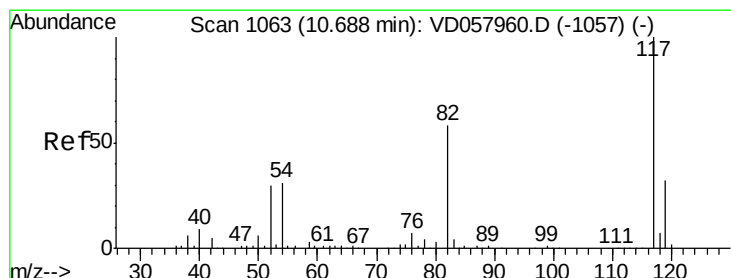
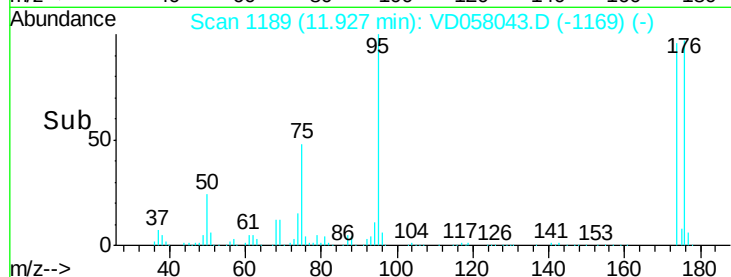
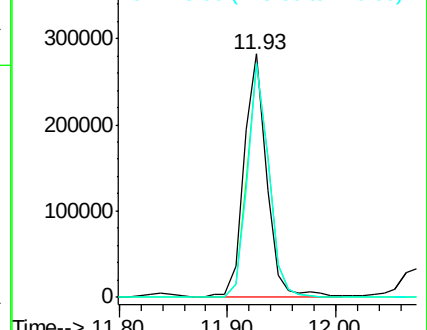
176 96.3 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.69 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

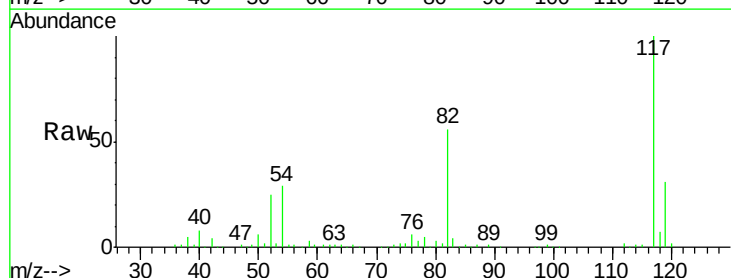
Tgt Ion: 117 Resp: 826915

Ion Ratio Lower Upper

117 100

82 56.3 46.8 70.2

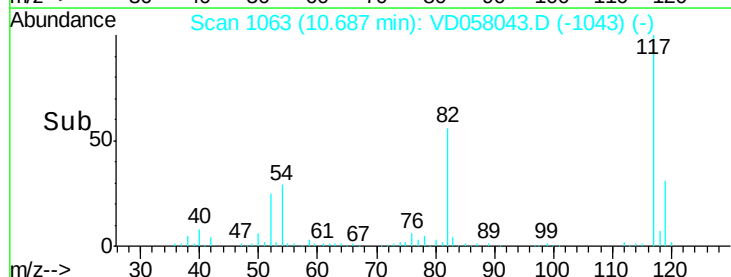
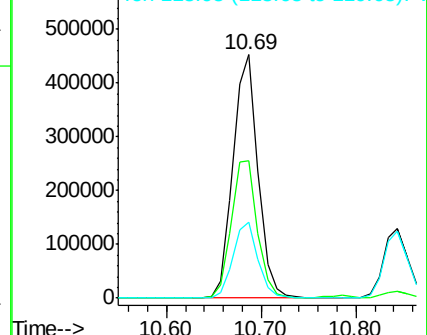
119 31.3 25.8 38.6

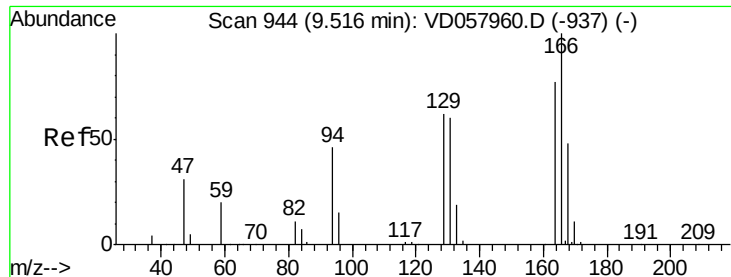


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V

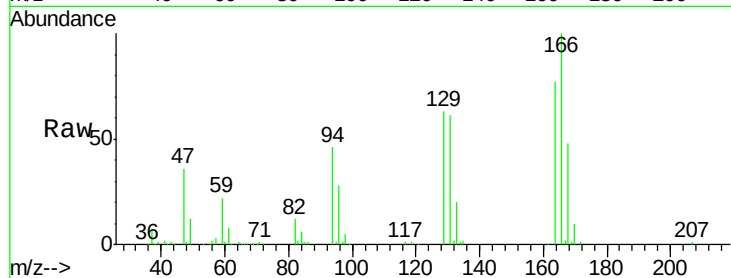




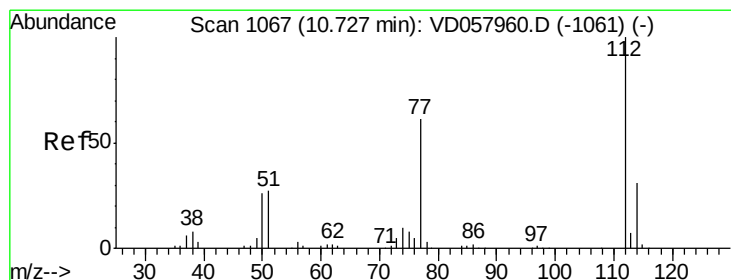
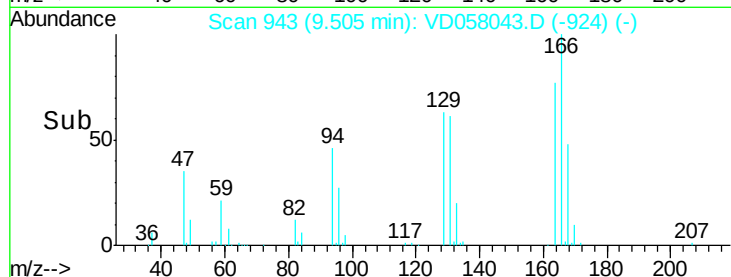
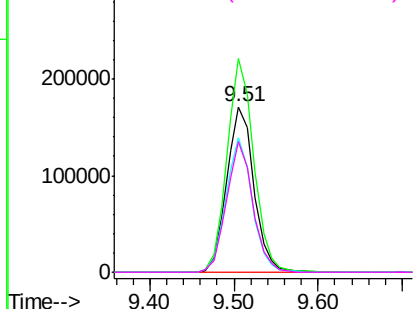
#64
Tetrachloroethene
Concen: 51.736 ug/l
RT: 9.51 min Scan# 943
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:164 Resp: 382466
Ion Ratio Lower Upper
164 100
166 129.1 104.4 156.6
129 81.4 65.0 97.6
131 78.7 62.9 94.3

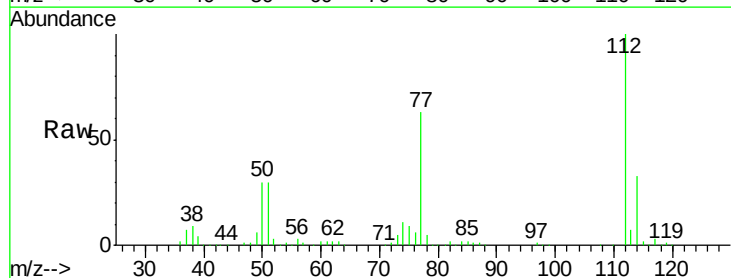


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

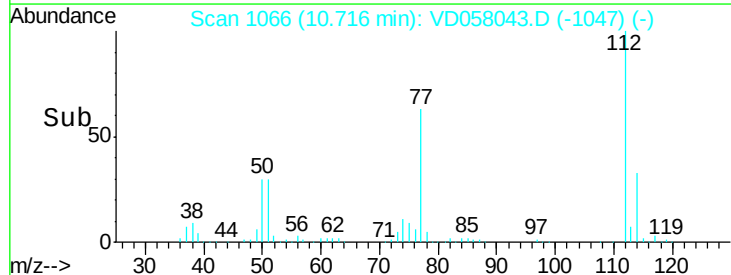
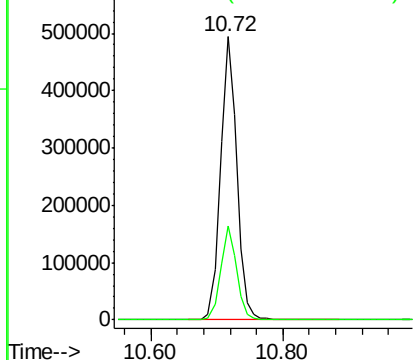


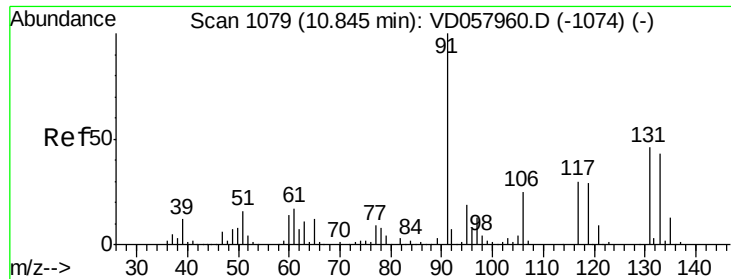
#65
Chlorobenzene
Concen: 50.985 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion:112 Resp: 853500
Ion Ratio Lower Upper
112 100
114 33.2 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

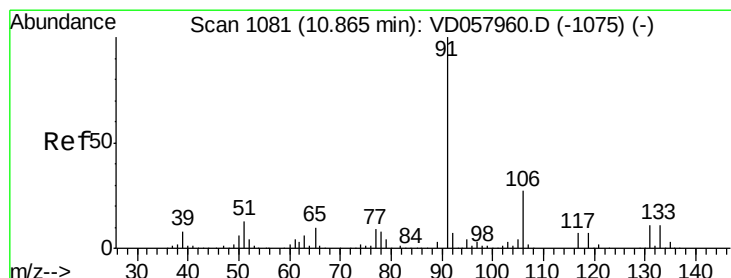
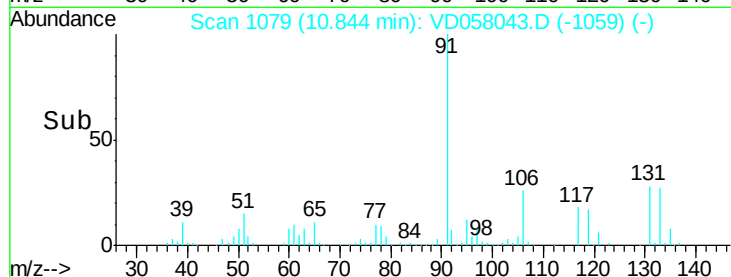
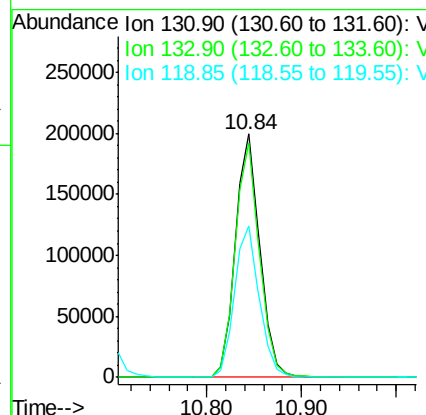
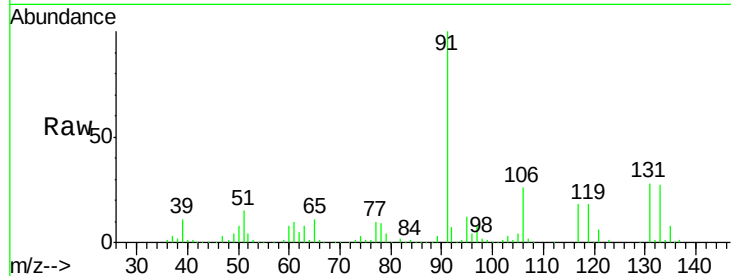




#66
 1,1,1,2-Tetrachloroethane
 Concen: 55.264 ug/l
 RT: 10.84 min Scan# 1079
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

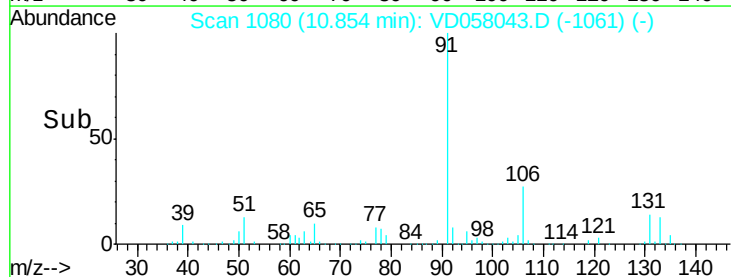
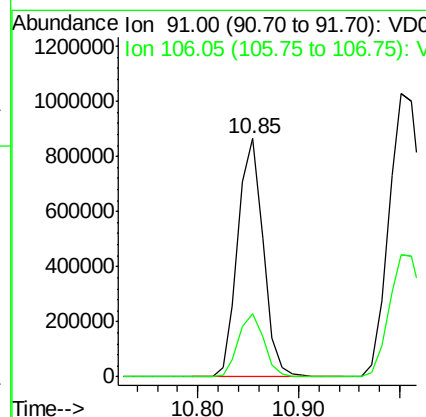
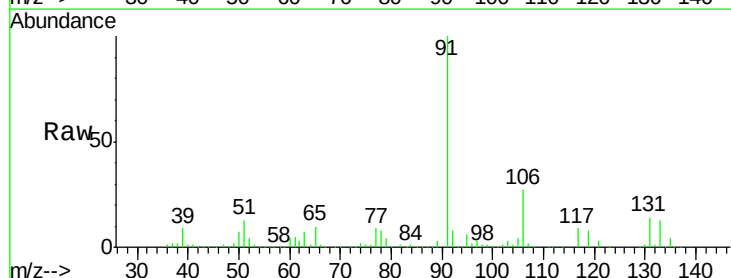
Instrument :
 MSVOA_D
 ClientSampled :

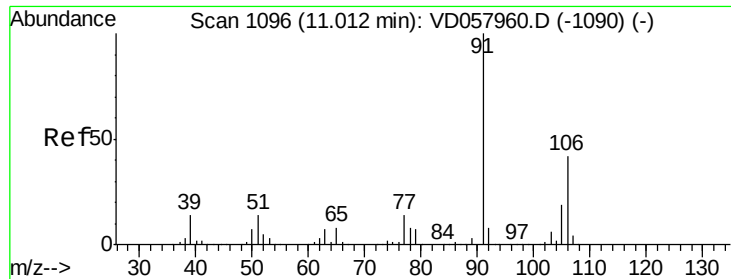
Tot Ion:131 Resp: 355436
 Ion Ratio Lower Upper
 131 100
 133 96.3 46.9 140.6
 119 62.3 31.8 95.3



#67
 Ethyl Benzene
 Concen: 50.212 ug/l
 RT: 10.85 min Scan# 1080
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 91 Resp: 1518587
 Ion Ratio Lower Upper
 91 100
 106 26.7 21.5 32.3

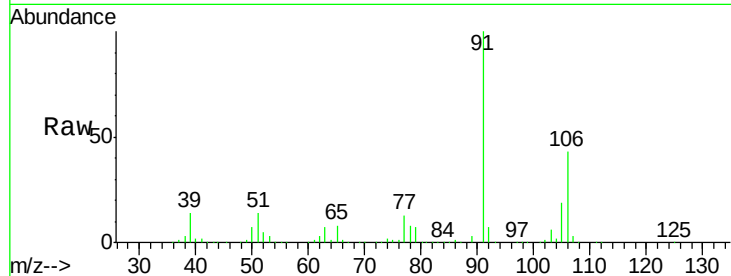




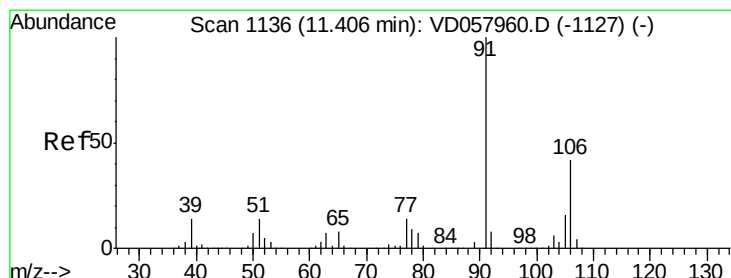
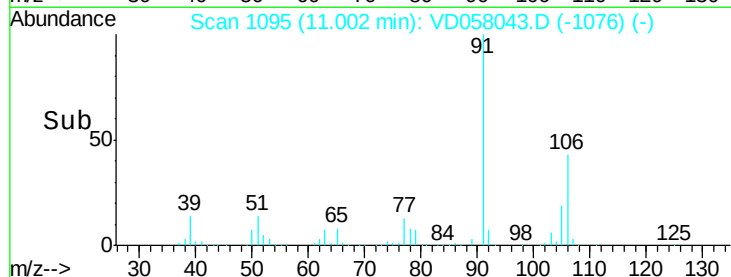
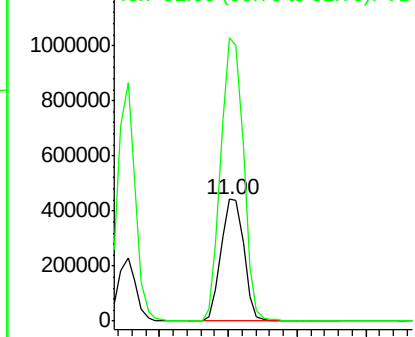
#68
m/p-Xylenes
Concen: 103.044 ug/l
RT: 11.00 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 1015948
Ion Ratio Lower Upper
106 100
91 232.7 190.4 285.6

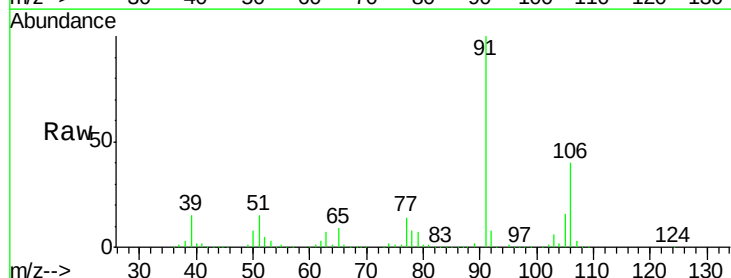


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

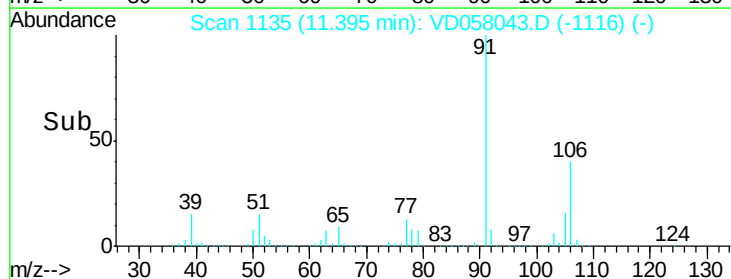
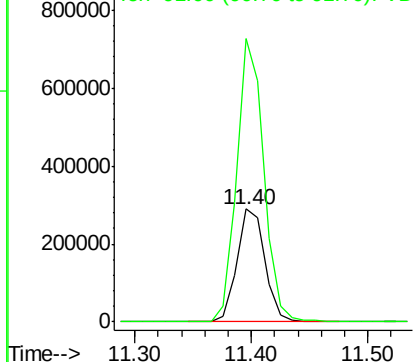


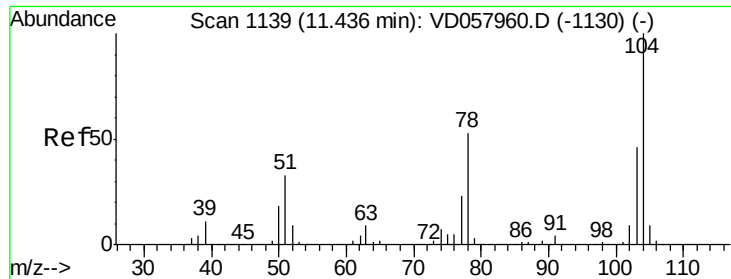
#69
o-Xylene
Concen: 49.436 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion:106 Resp: 483806
Ion Ratio Lower Upper
106 100
91 250.3 120.6 361.7



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

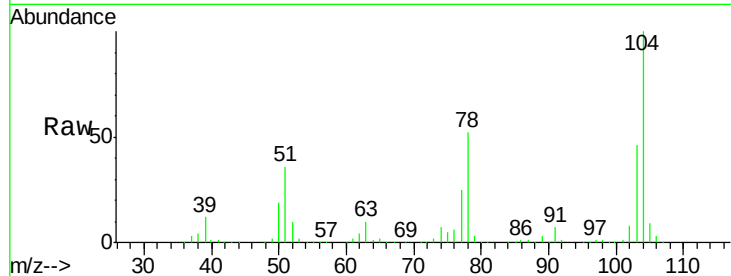




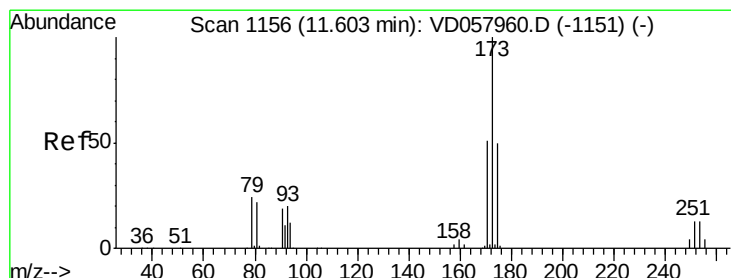
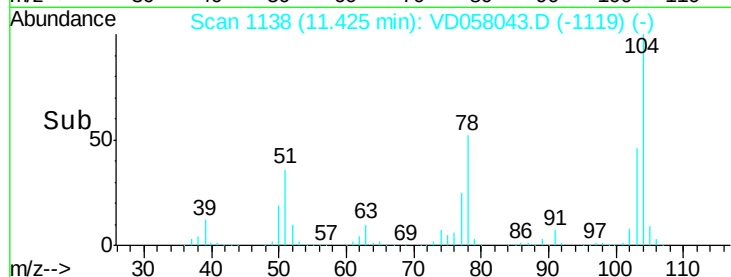
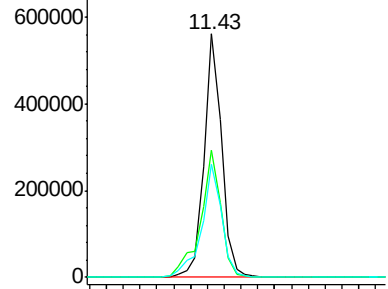
#70
Stvrene
Concen: 50.312 ug/l
RT: 11.43 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:104 Resp: 815104
Ion Ratio Lower Upper
104 100
78 52.0 42.1 63.1
103 46.5 37.0 55.6

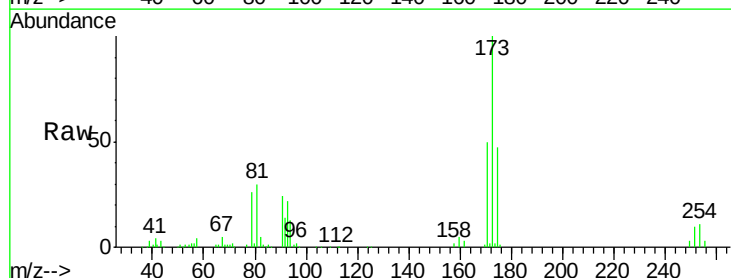


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

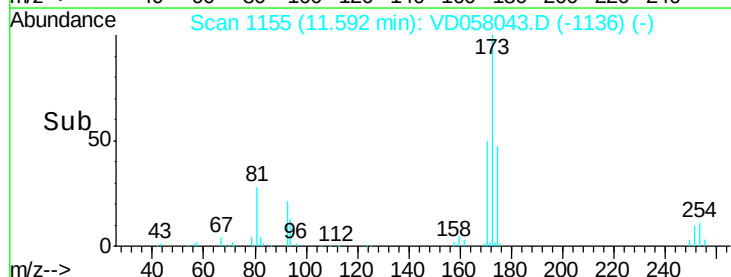
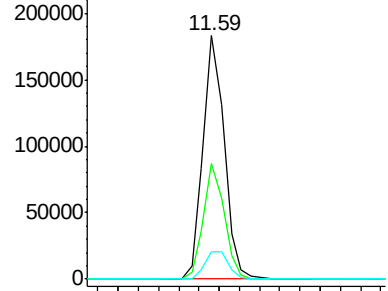


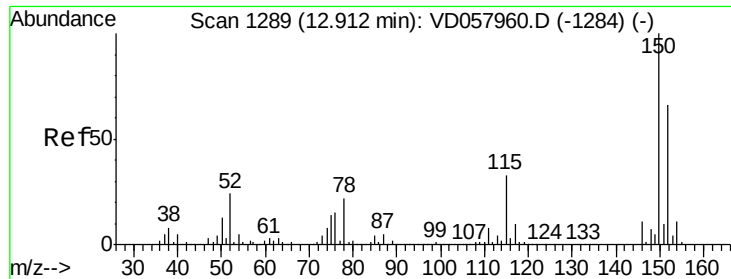
#71
Bromoform
Concen: 55.366 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion:173 Resp: 267882
Ion Ratio Lower Upper
173 100
175 47.4 25.1 75.2
254 11.3 10.7 16.1



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



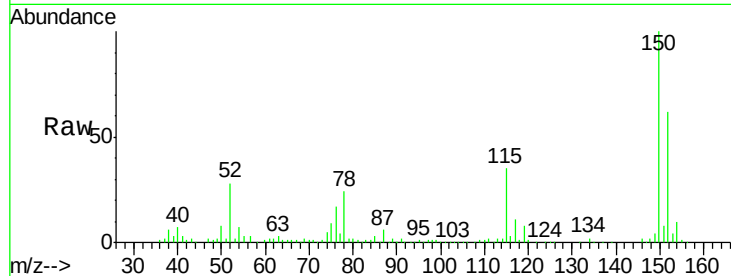


#72

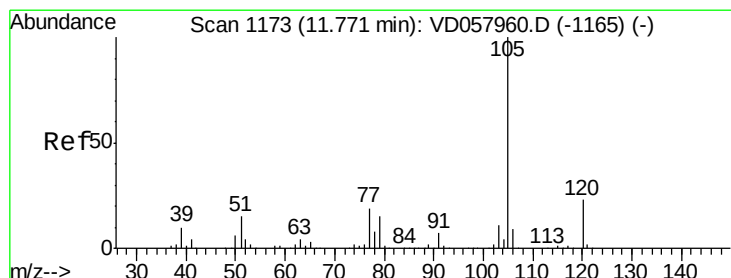
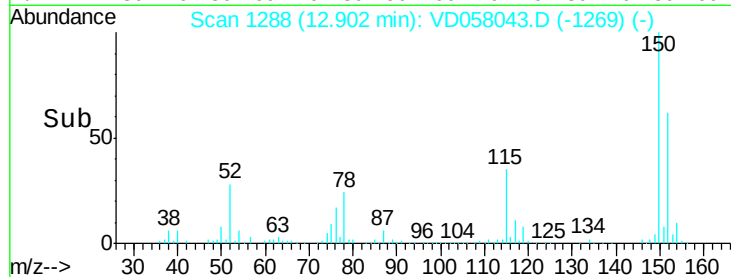
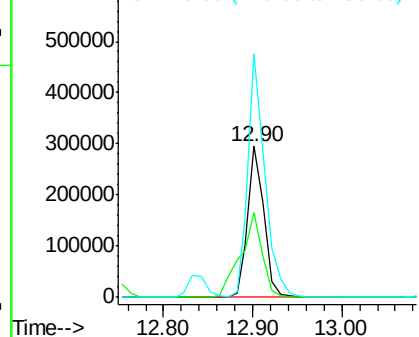
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:152 Resp: 378830
Ion Ratio Lower Upper
152 100
115 55.9 25.6 76.6
150 161.2 0.0 306.8



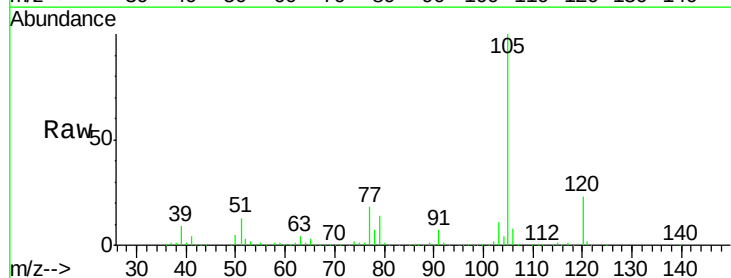
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



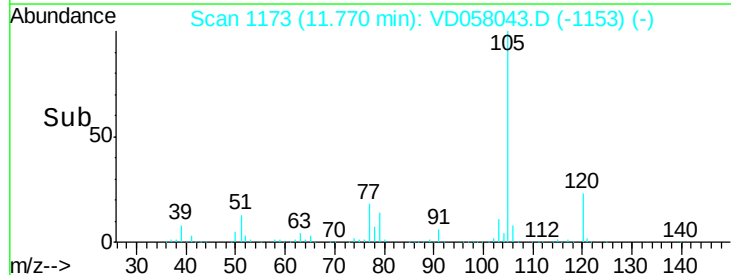
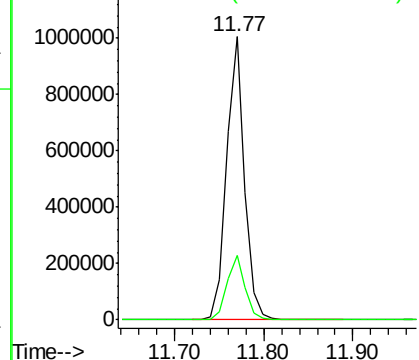
#73

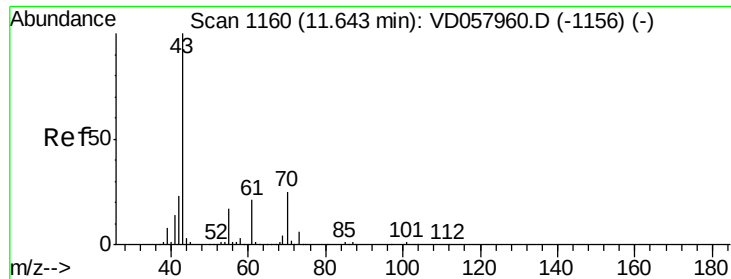
Isopropylbenzene
Concen: 56.871 ug/l
RT: 11.77 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion:105 Resp: 1427007
Ion Ratio Lower Upper
105 100
120 23.0 11.3 33.9



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





#74

N-amvl acetate

Concen: 52.662 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 43 Resp: 509883

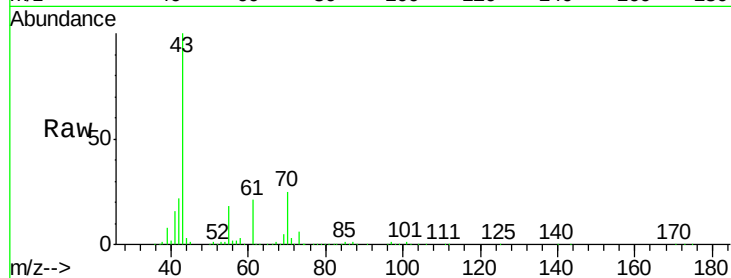
Ion Ratio Lower Upper

43 100

70 25.5 20.3 30.5

55 18.1 13.9 20.9

61 21.1 16.6 24.8

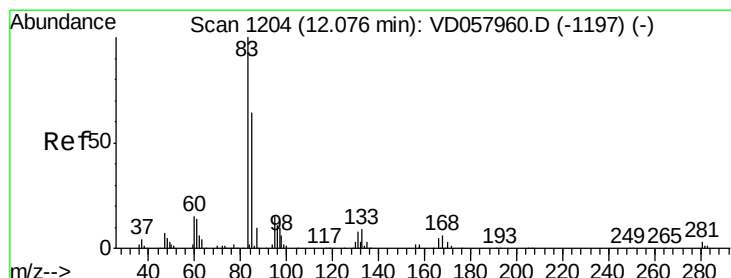
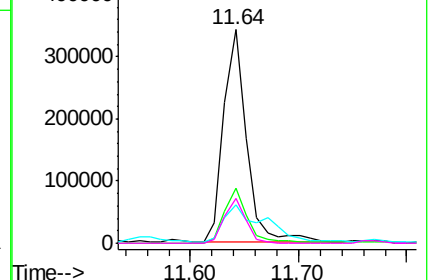
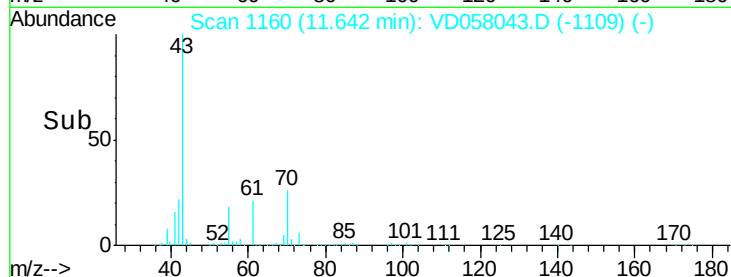


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#75

1,1,2,2-Tetrachloroethane

Concen: 59.777 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

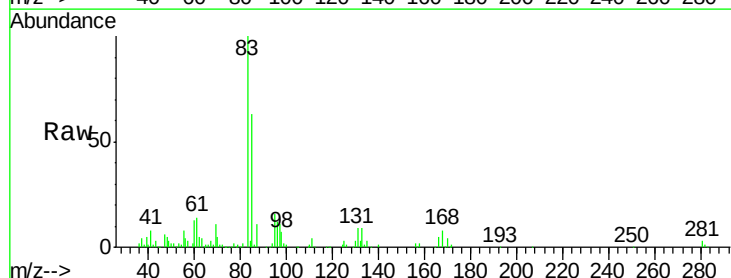
Tgt Ion: 83 Resp: 327018

Ion Ratio Lower Upper

83 100

131 9.1 4.2 12.6

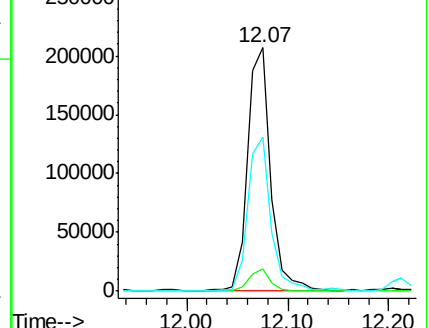
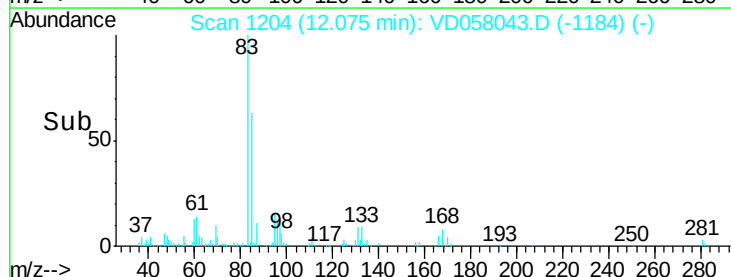
85 63.3 31.9 95.5

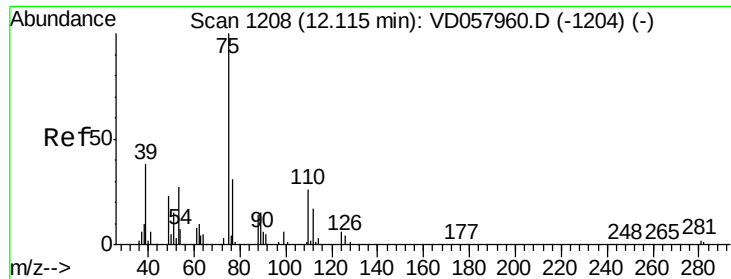


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

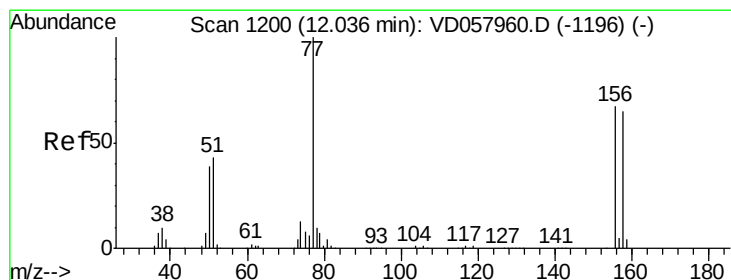
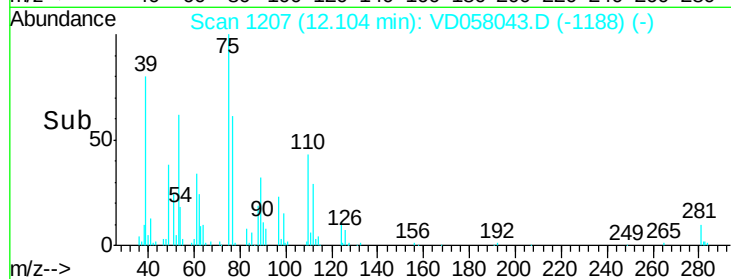
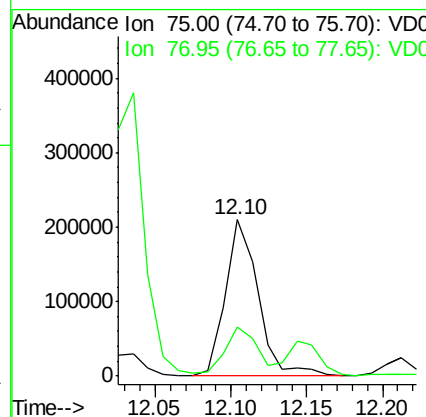
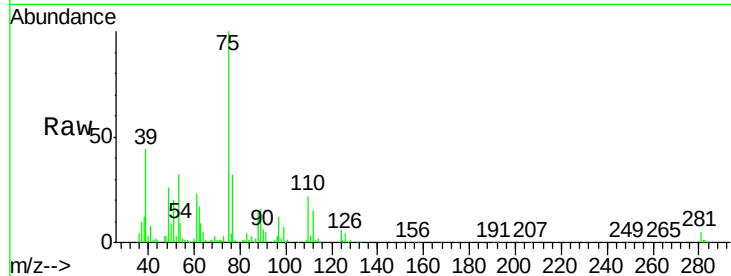




#76
 1,2,3-Trichloropropane
 Concen: 55.617 ug/l
 RT: 12.10 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

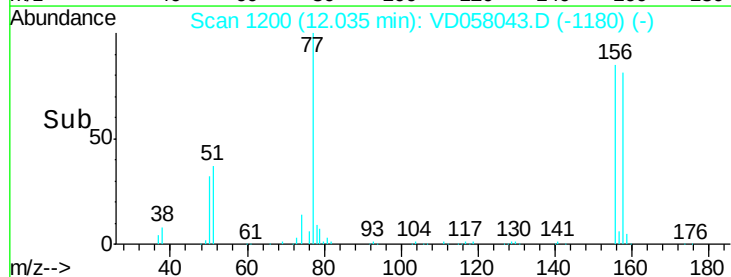
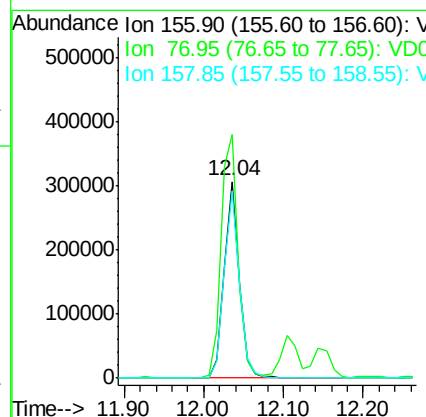
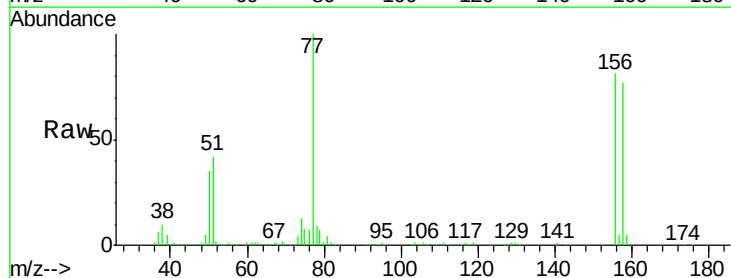
Instrument :
 MSVOA_D
 ClientSampled :

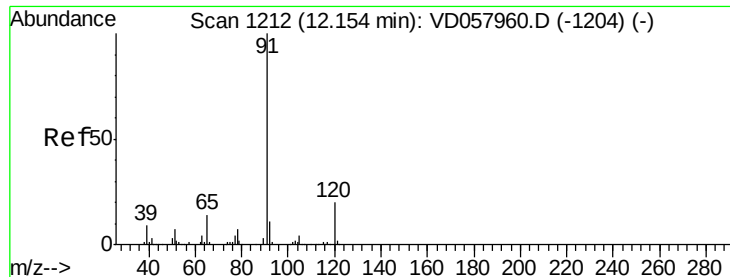
Tot Ion: 75 Resp: 316494
 Ion Ratio Lower Upper
 75 100
 77 31.8 16.7 50.1



#77
 Bromobenzene
 Concen: 55.426 ug/l
 RT: 12.04 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 156 Resp: 411665
 Ion Ratio Lower Upper
 156 100
 77 124.0 75.0 224.8
 158 95.6 48.6 145.9





#78

n-propylbenzene

Concen: 52.195 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD058043.D

Acq: 9 Jun 2018 4:58

Instrument :

MSVOA_D

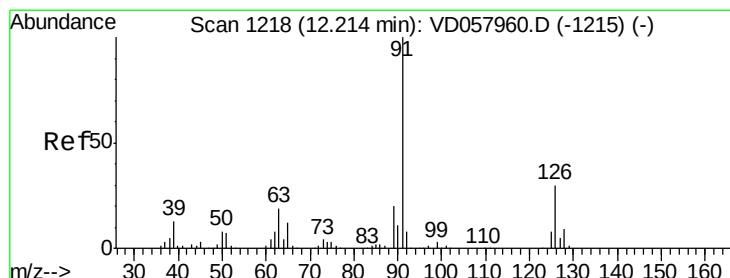
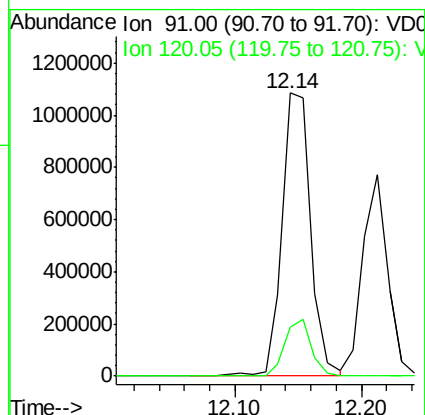
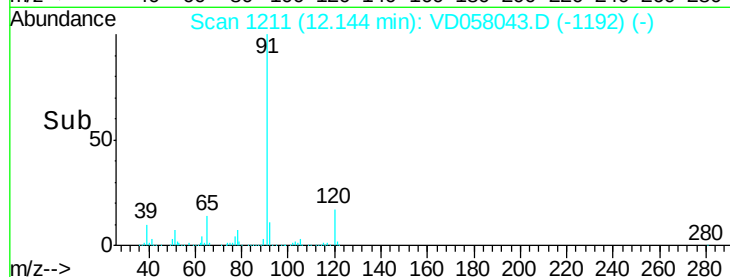
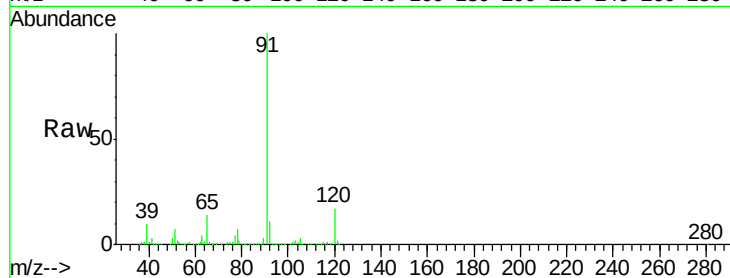
ClientSampleId :

Tot Ion: 91 Resp: 1704202

Ion Ratio Lower Upper

91 100

120 17.5 9.8 29.4



#79

2-Chlorotoluene

Concen: 56.973 ug/l

RT: 12.21 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VD058043.D

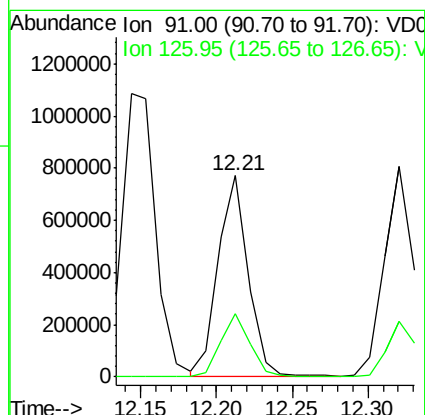
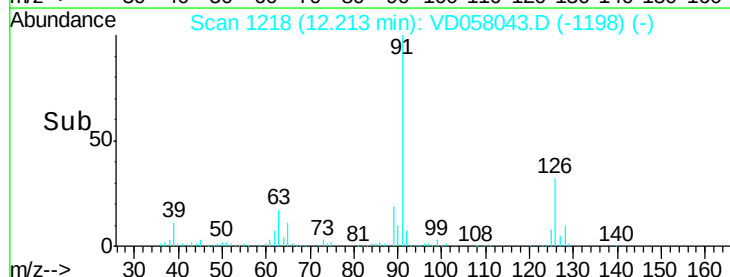
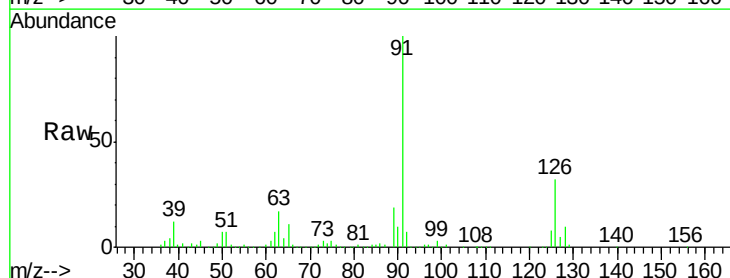
Acq: 9 Jun 2018 4:58

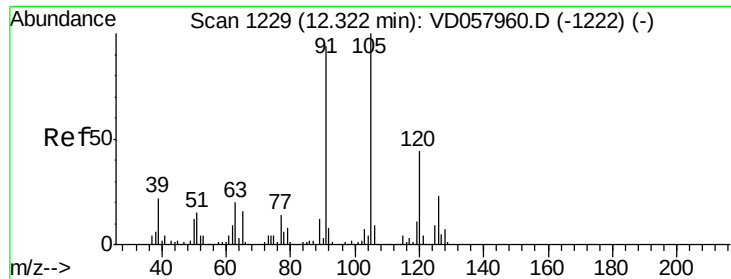
Tgt Ion: 91 Resp: 1061223

Ion Ratio Lower Upper

91 100

126 31.5 14.6 44.0

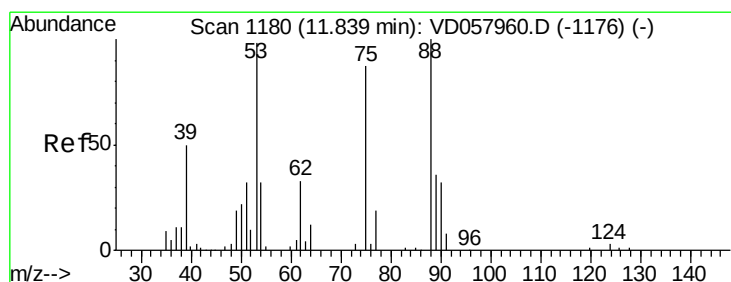
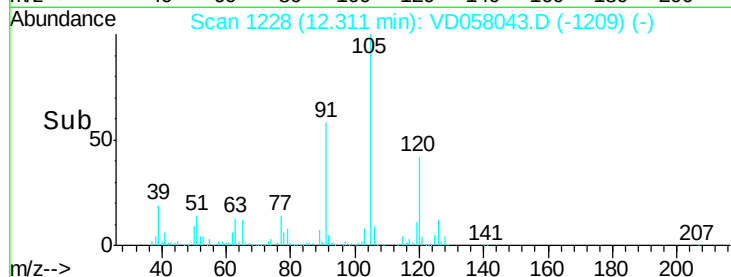
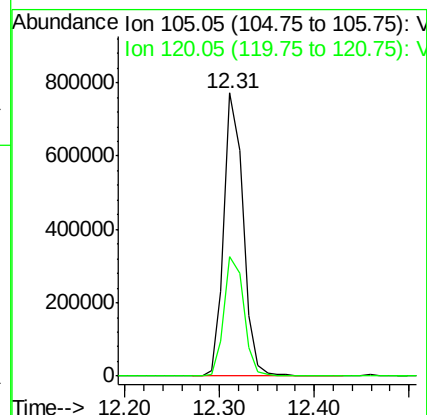
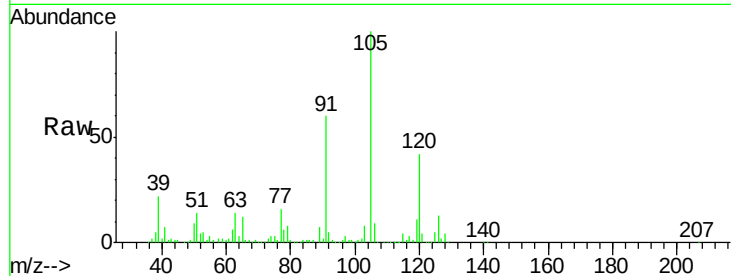




#80
 1,3,5-Trimethylbenzene
 Concen: 55.695 ug/l
 RT: 12.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

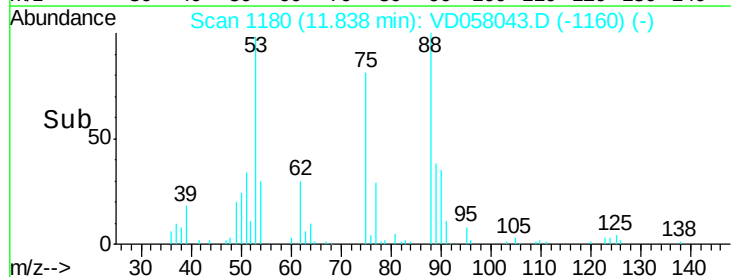
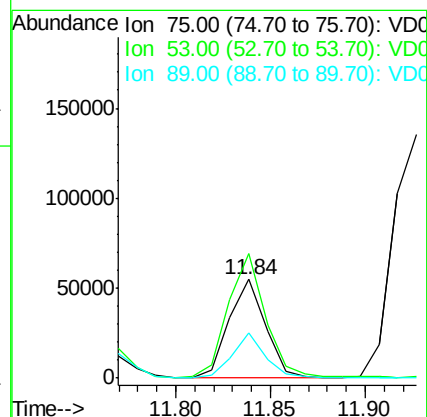
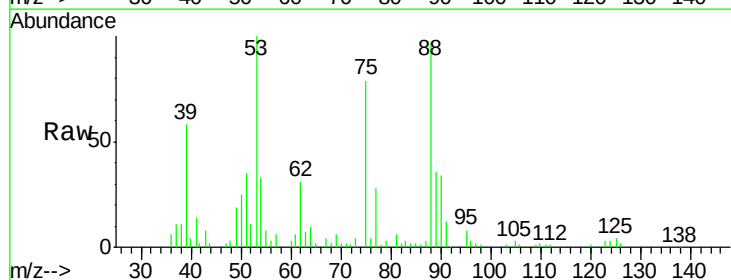
Instrument :
 MSVOA_D
 ClientSampled :

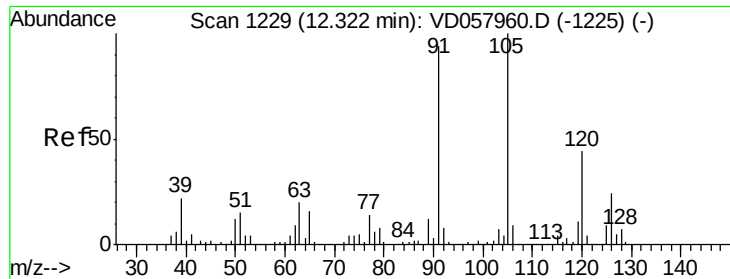
Tot Ion:105 Resp: 1089857
 Ion Ratio Lower Upper
 105 100
 120 42.1 22.0 66.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.964 ug/l
 RT: 11.84 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 75 Resp: 73242
 Ion Ratio Lower Upper
 75 100
 53 127.1 89.3 133.9
 89 46.2 33.3 49.9

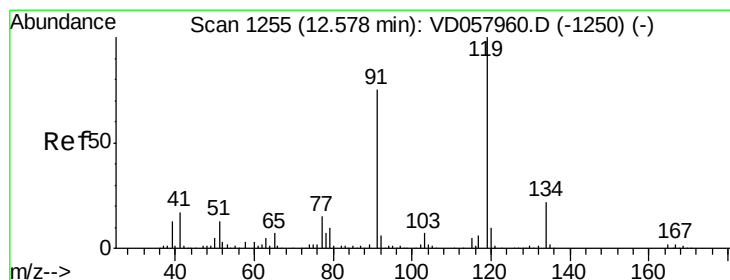
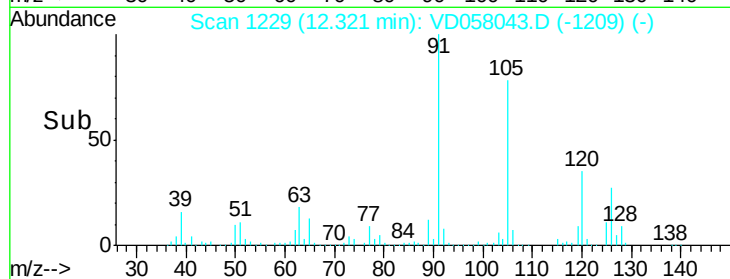
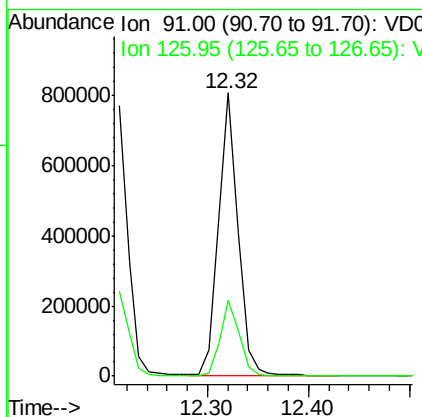
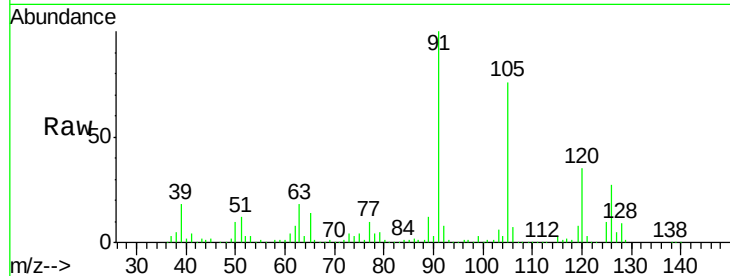




#82
4-Chlorotoluene
Concen: 61.472 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

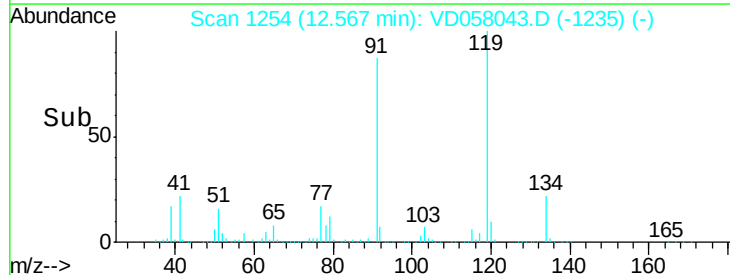
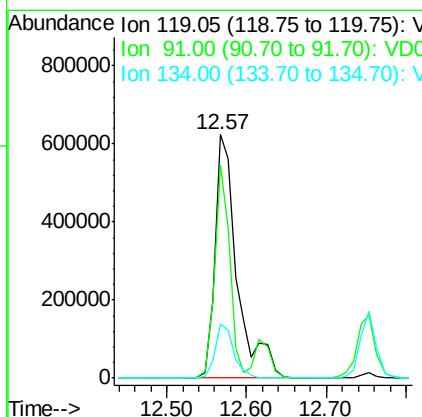
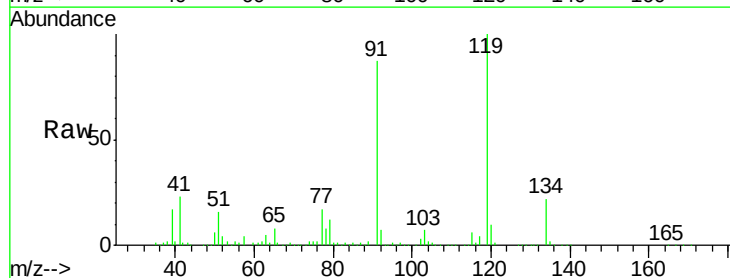
Instrument :
MSVOA_D
ClientSampleId :

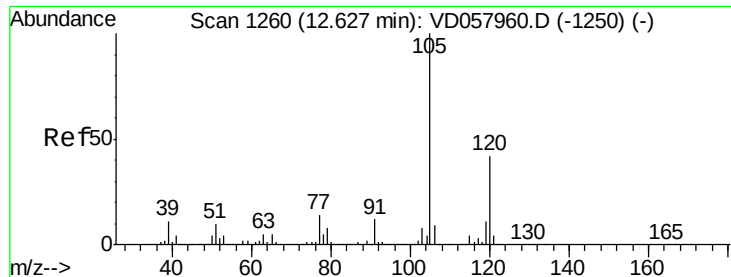
Tot Ion: 91 Resp: 1100352
Ion Ratio Lower Upper
91 100
126 26.7 12.5 37.5



#83
tert-Butylbenzene
Concen: 55.327 ug/l
RT: 12.57 min Scan# 1254
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion: 119 Resp: 1222477
Ion Ratio Lower Upper
119 100
91 87.3 37.6 112.9
134 22.2 11.2 33.5

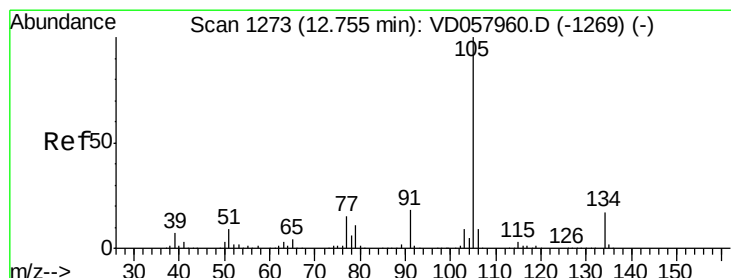
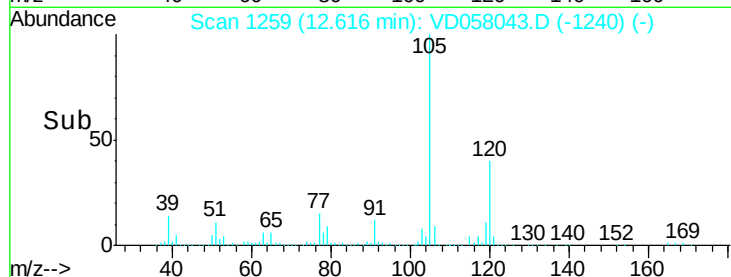
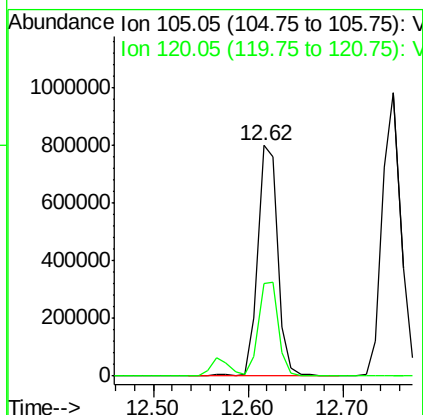
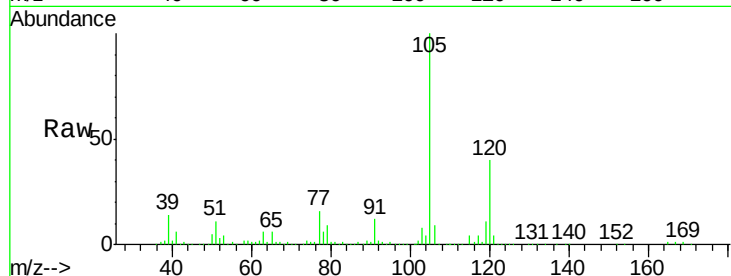




#84
 1,2,4-Trimethylbenzene
 Concen: 56.031 ug/l
 RT: 12.62 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

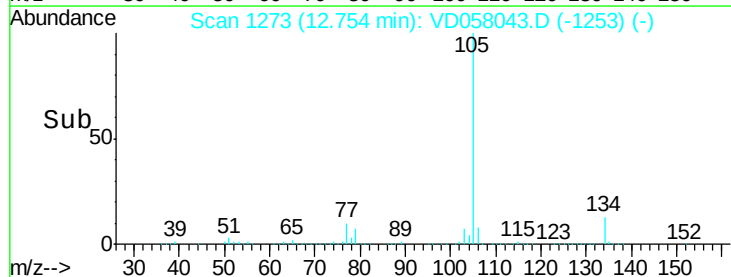
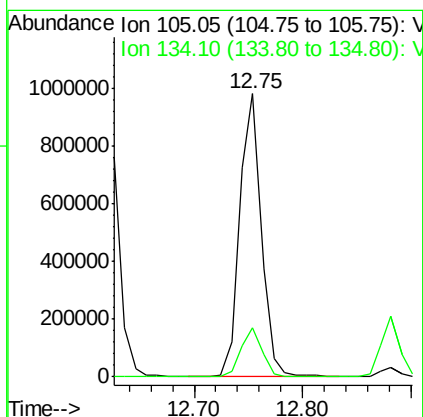
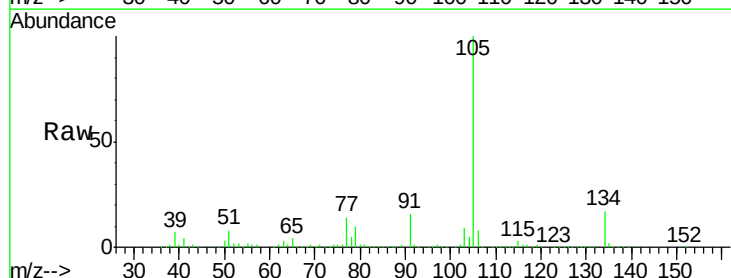
Instrument :
 MSVOA_D
 ClientSampleId :

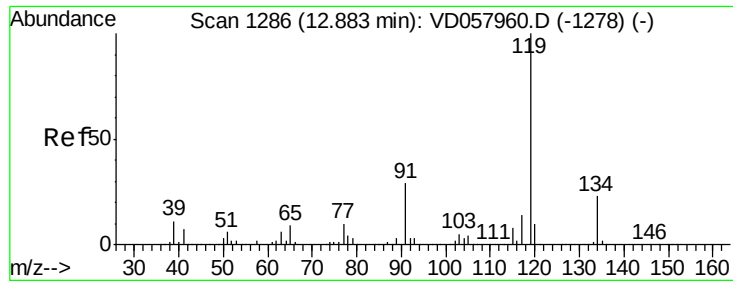
Tot Ion:105 Resp: 1178881
 Ion Ratio Lower Upper
 105 100
 120 40.2 21.2 63.6



#85
 sec-Butylbenzene
 Concen: 50.812 ug/l
 RT: 12.75 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion:105 Resp: 1354962
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.3 25.1

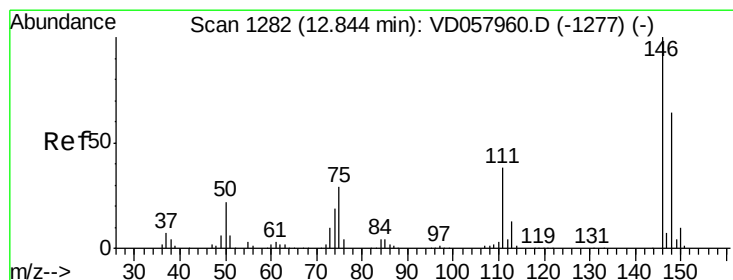
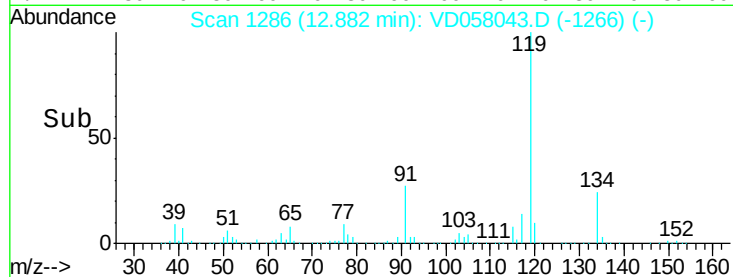
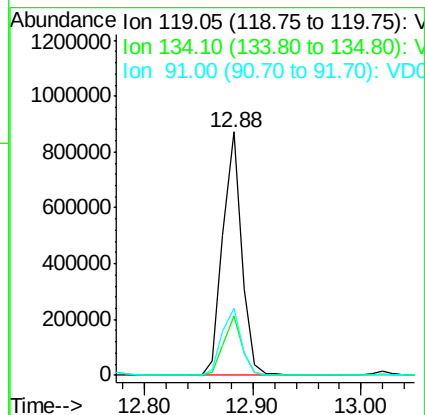
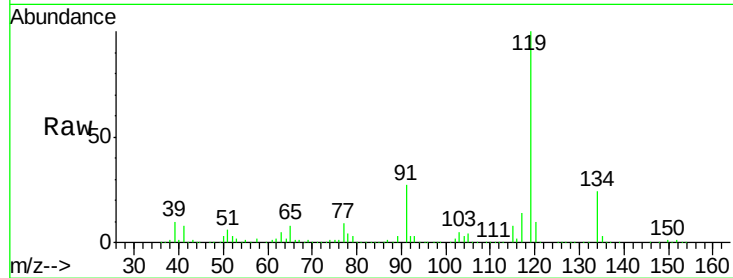




#86
 p-Isopropyltoluene
 Concen: 49.038 ug/l
 RT: 12.88 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

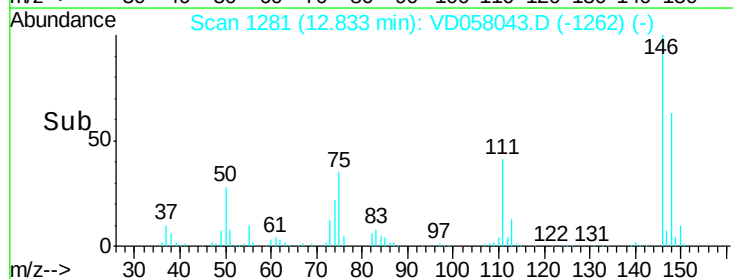
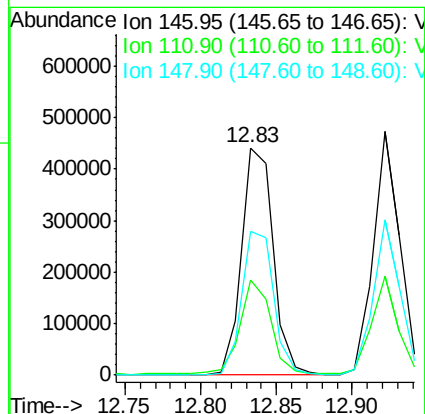
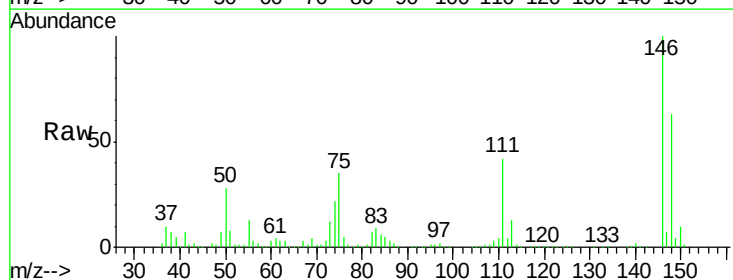
Instrument :
 MSVOA_D
 ClientSampleId :

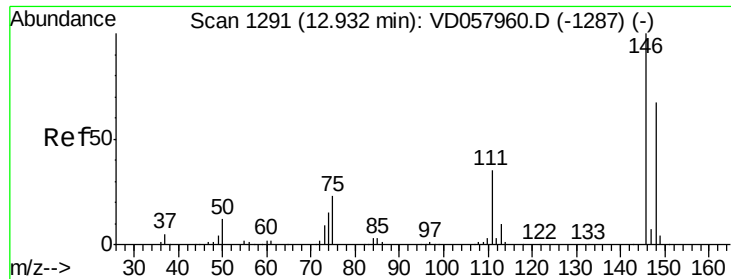
Tot Ion:119 Resp: 1053938
 Ion Ratio Lower Upper
 119 100
 134 24.3 11.5 34.4
 91 27.4 14.5 43.6



#87
 1,3-Dichlorobenzene
 Concen: 51.144 ug/l
 RT: 12.83 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion:146 Resp: 642559
 Ion Ratio Lower Upper
 146 100
 111 42.1 19.1 57.3
 148 62.9 32.0 96.2

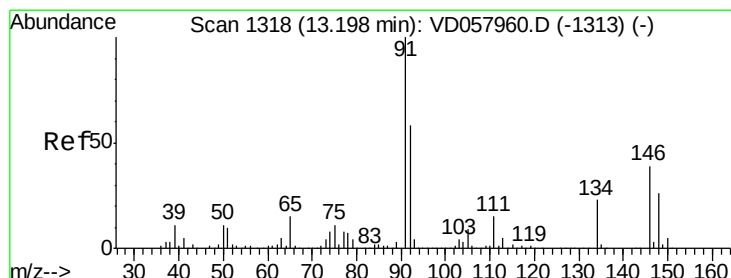
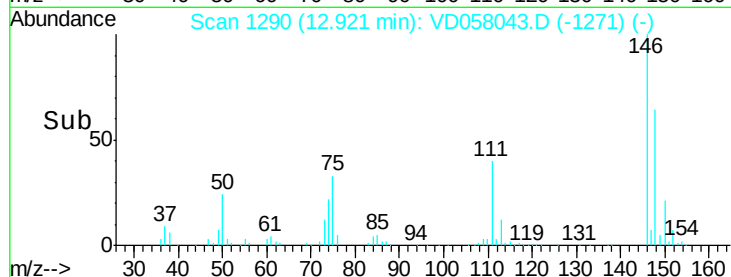
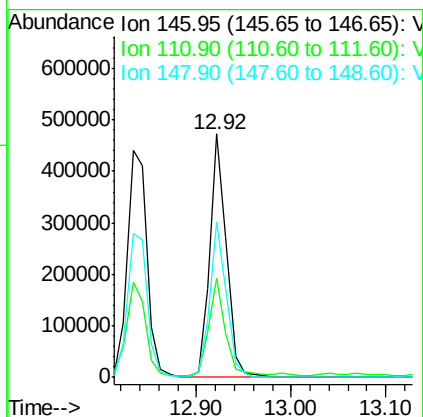
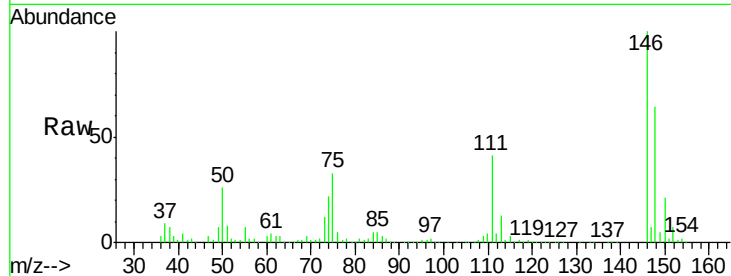




#88
 1,4-Dichlorobenzene
 Concen: 47.610 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

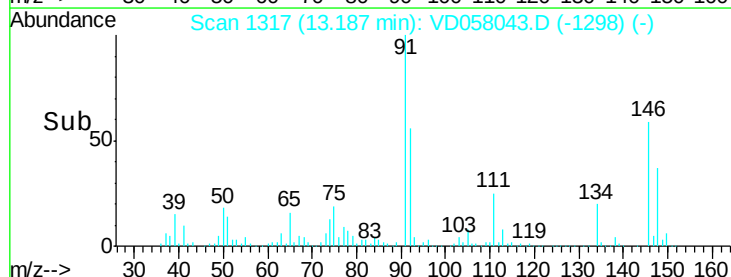
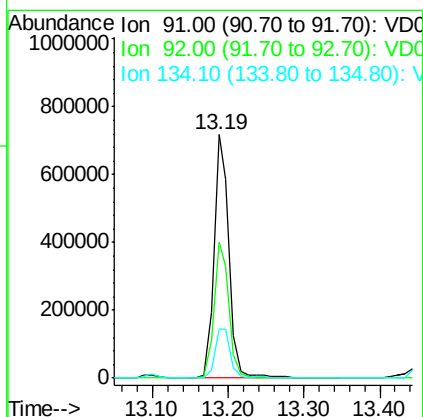
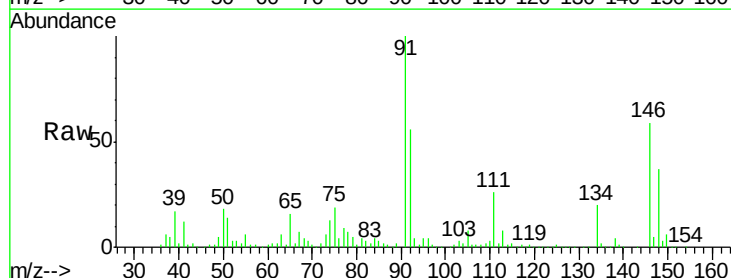
Instrument :
 MSVOA_D
 ClientSampled :

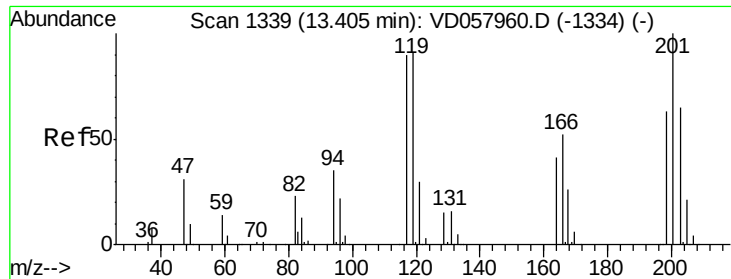
Tot Ion:146 Resp: 582813
 Ion Ratio Lower Upper
 146 100
 111 40.7 17.3 52.0
 148 63.9 33.4 100.2



#89
 n-Butylbenzene
 Concen: 51.536 ug/l
 RT: 13.19 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion: 91 Resp: 995153
 Ion Ratio Lower Upper
 91 100
 92 55.7 29.2 87.6
 134 20.1 11.3 33.9

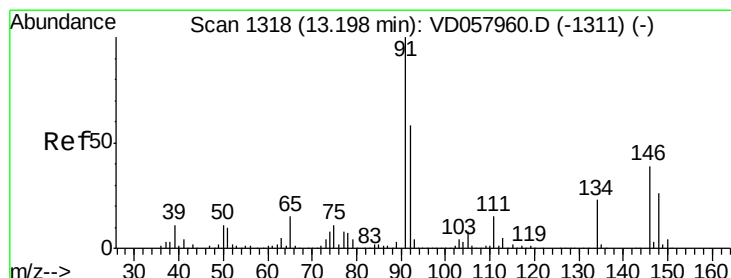
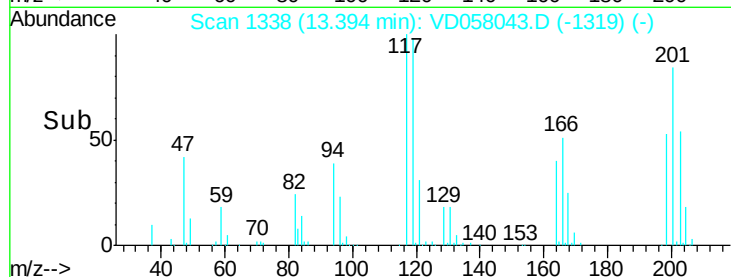
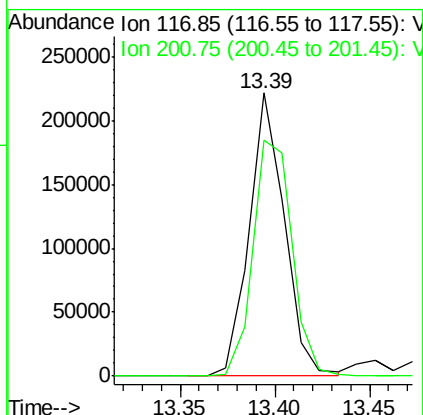
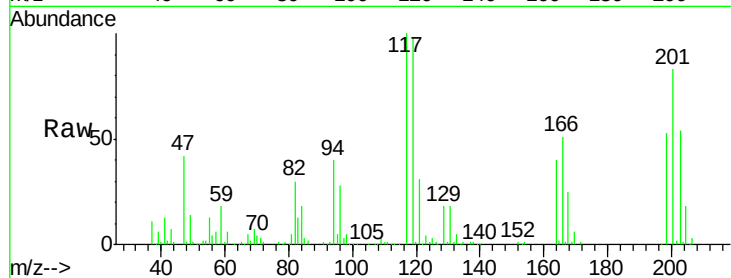




#90
Hexachloroethane
Concen: 51.814 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

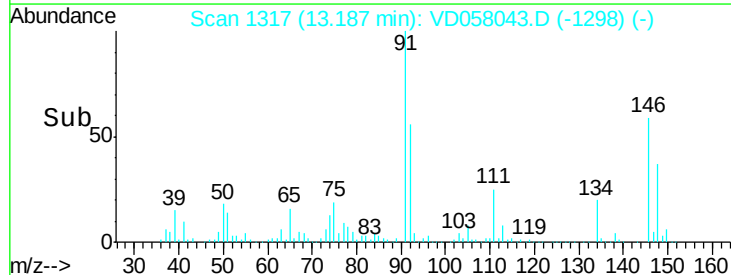
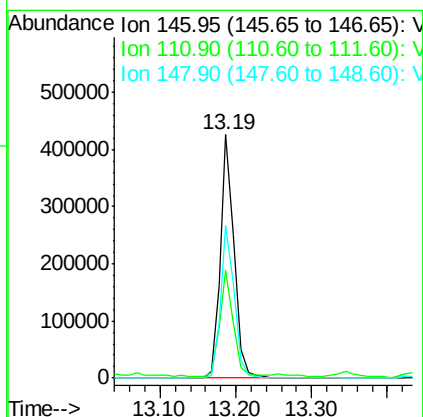
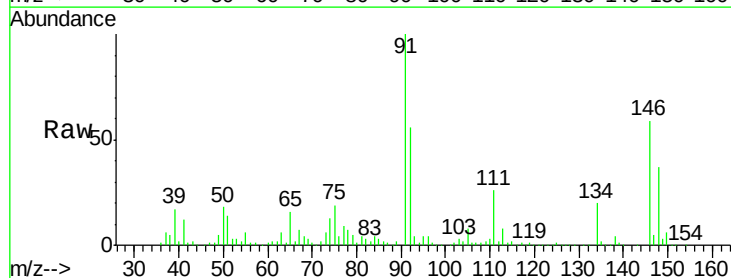
Instrument :
MSVOA_D
ClientSampled :

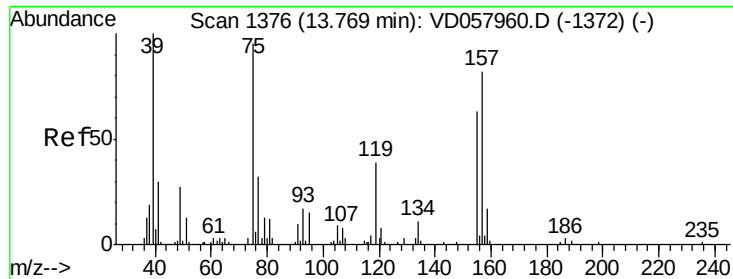
Tot Ion:117 Resp: 284231
Ion Ratio Lower Upper
117 100
201 83.4 55.4 166.0



#91
1,2-Dichlorobenzene
Concen: 53.530 ug/l
RT: 13.19 min Scan# 1317
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion:146 Resp: 543502
Ion Ratio Lower Upper
146 100
111 44.2 19.4 58.2
148 62.9 32.6 98.0

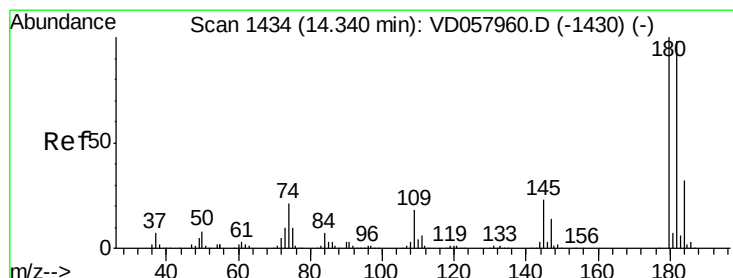
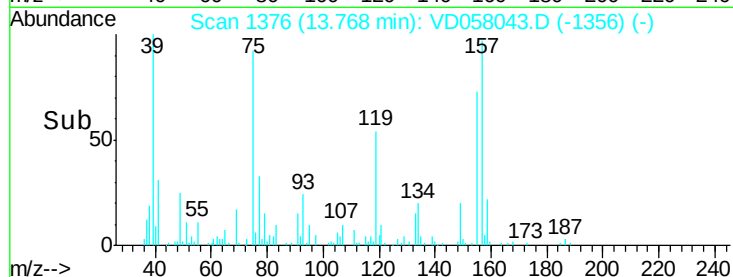
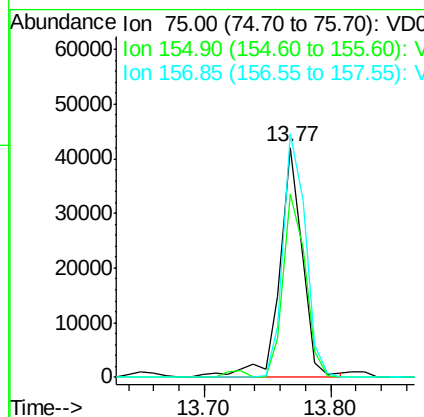
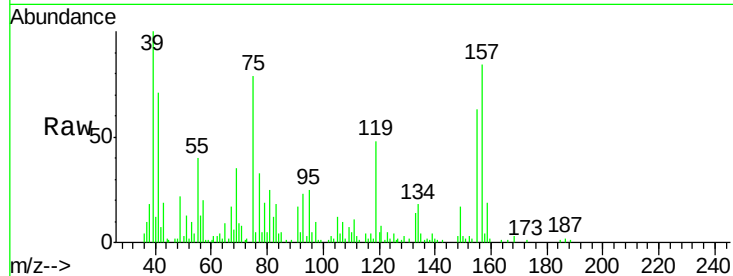




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.573 ug/l
 RT: 13.77 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

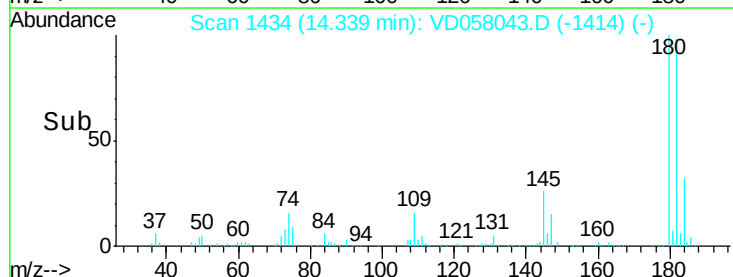
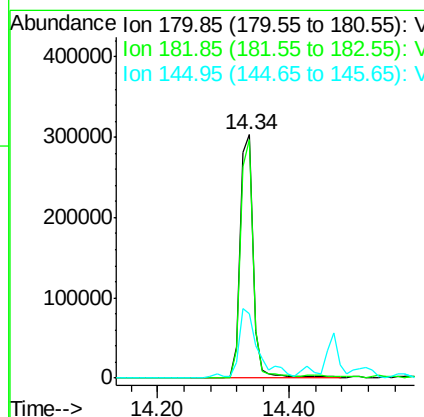
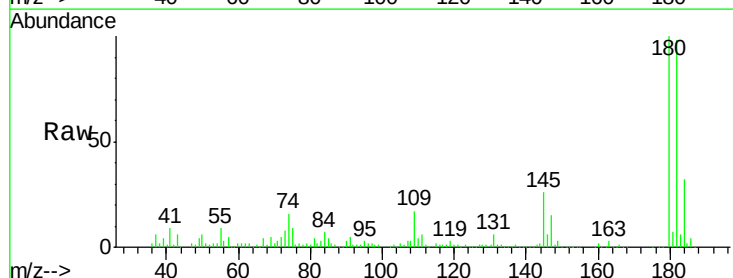
Instrument :
 MSVOA_D
 ClientSampleId :

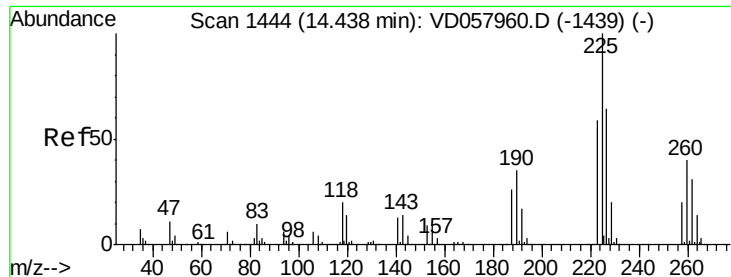
Tot Ion: 75 Resp: 52831
 Ion Ratio Lower Upper
 75 100
 155 79.9 33.4 100.1
 157 105.9 42.9 128.5



#93
 1,2,4-Trichlorobenzene
 Concen: 45.130 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Tgt Ion:180 Resp: 428093
 Ion Ratio Lower Upper
 180 100
 182 97.8 49.0 147.2
 145 26.4 11.8 35.3

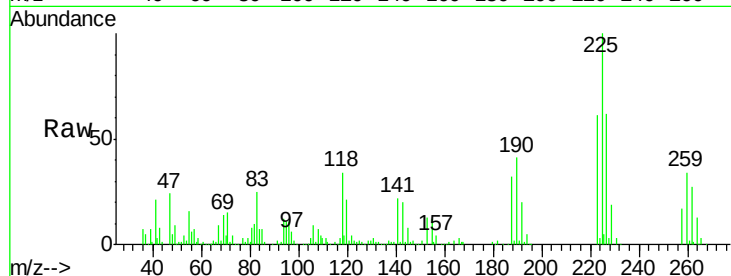




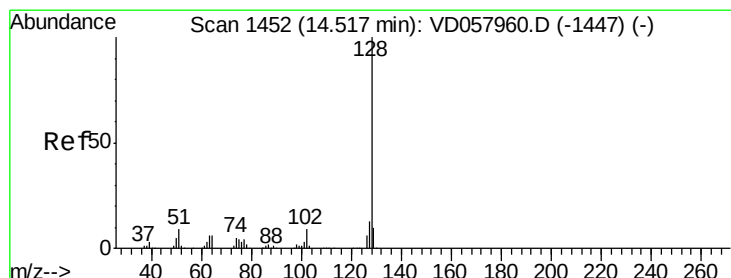
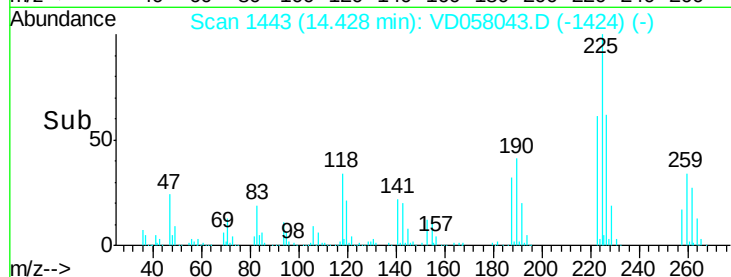
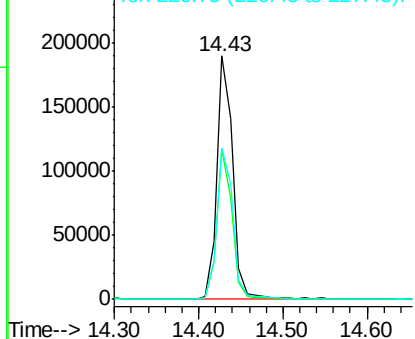
#94
Hexachlorobutadiene
Concen: 33.437 ug/l
RT: 14.43 min Scan# 1443
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:225 Resp: 249485
Ion Ratio Lower Upper
225 100
223 61.5 29.5 88.6
227 62.4 32.0 96.0

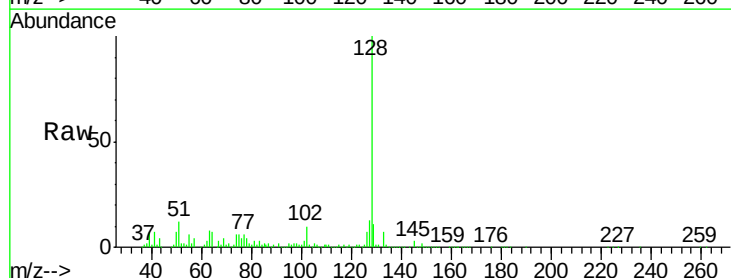


Abundance Ion 224.75 (224.45 to 225.45): V
Ion 222.75 (222.45 to 223.45): V
Ion 226.75 (226.45 to 227.45): V

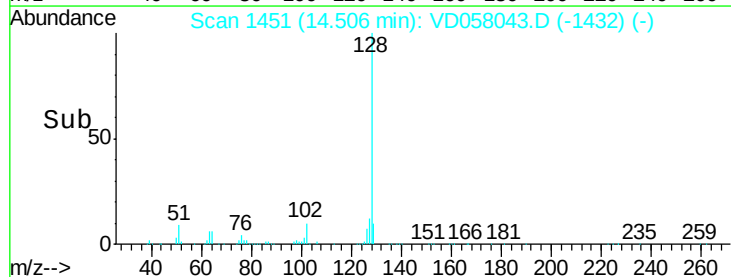
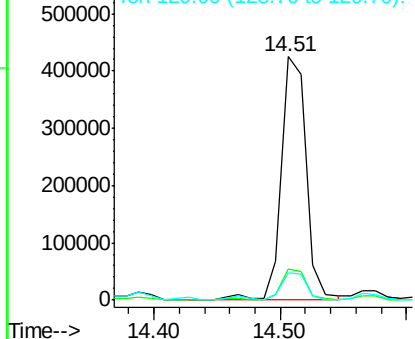


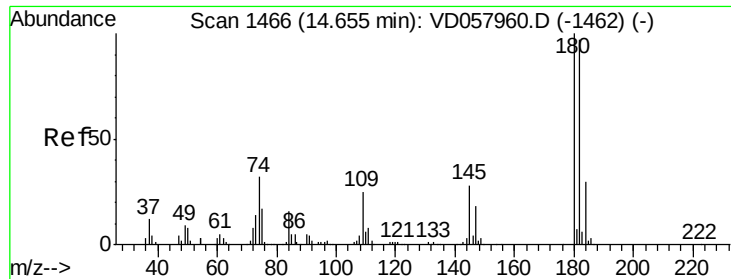
#95
Naphthalene
Concen: 47.667 ug/l
RT: 14.51 min Scan# 1451
Delta R.T. -0.01 min
Lab File: VD058043.D
Acq: 9 Jun 2018 4:58

Tgt Ion:128 Resp: 582978
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 11.5 8.2 12.2



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

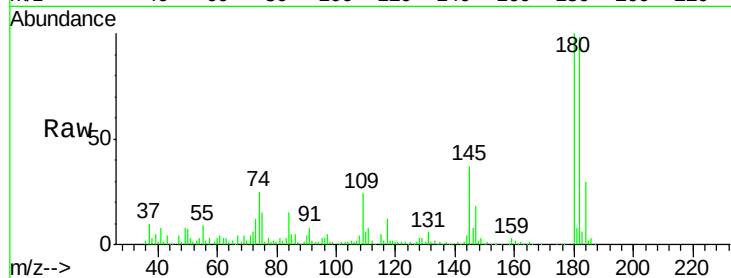




#96
 1,2,3-Trichlorobenzene
 Concen: 43.995 ug/l
 RT: 14.65 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VD058043.D
 Acq: 9 Jun 2018 4:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.9	48.5	145.5
145	36.7	14.2	42.8



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

