

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061818\
 Data File : VD058178.D
 Acq On : 18 Jun 2018 13:49
 Operator : VA/AP
 Sample : VD0618SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:48:29 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	839299	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	6.69	114	1092785	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	891668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	464984	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.01	65	392584	46.79	ug/l	0.00
Spiked Amount						
			Recovery	=	93.58%	
35) Dibromofluoromethane	5.54	113	433004	51.21	ug/l	-0.02
Spiked Amount						
			Recovery	=	102.42%	
50) Toluene-d8	8.71	98	964521	47.98	ug/l	0.00
Spiked Amount						
			Recovery	=	95.96%	
62) 4-Bromofluorobenzene	11.93	95	412971	47.09	ug/l	0.00
Spiked Amount						
			Recovery	=	94.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.34	85	227296	20.178	ug/l	95
3) Chloromethane	1.48	50	111025	20.013	ug/l	98
4) Vinyl Chloride	1.55	62	106150	19.767	ug/l	100
5) Bromomethane	1.79	94	33685	16.005	ug/l	97
6) Chloroethane	1.87	64	36370	17.166	ug/l #	80
7) Trichlorofluoromethane	2.07	101	145628	19.839	ug/l	97
8) Diethyl Ether	2.34	74	30111	22.081	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.55	101	90306	20.625	ug/l	94
10) Methyl Iodide	2.68	142	104430	18.484	ug/l	95
11) Tert butyl alcohol	3.27	59	27928	124.245	ug/l #	91
12) 1,1-Dichloroethene	2.54	96	70214	20.859	ug/l #	84
13) Acrolein	2.47	56	24682	76.672	ug/l	99
14) Allyl chloride	2.91	41	158914	20.465	ug/l	95
15) Acrylonitrile	3.35	53	79223	60.245	ug/l	89
16) Acetone	2.61	43	120775	99.905	ug/l	93
17) Carbon Disulfide	2.74	76	242779	19.909	ug/l	99
18) Methyl Acetate	2.93	43	47875	20.472	ug/l	99
19) Methyl tert-butyl Ether	3.40	73	199360	13.460	ug/l	96
20) Methylene Chloride	3.06	84	80273	22.958	ug/l	90
21) trans-1,2-Dichloroethene	3.37	96	72487	9.668	ug/l #	82
22) Diisopropyl ether	4.06	45	627042	20.383	ug/l	99
23) Vinyl Acetate	4.01	43	1752437	110.254	ug/l	98
24) 1,1-Dichloroethane	3.96	63	353419	20.904	ug/l	99
25) 2-Butanone	4.83	43	284094	103.405	ug/l #	89
26) 2,2-Dichloropropane	4.79	77	300074	21.546	ug/l	93
27) cis-1,2-Dichloroethene	4.80	96	188479	21.196	ug/l	93
28) Bromochloromethane	5.14	49	155180	21.207	ug/l	96
29) Tetrahydrofuran	5.18	42	148102	102.835	ug/l	97
30) Chloroform	5.32	83	362933	21.330	ug/l	100
31) Cyclohexane	5.59	56	292632	20.056	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	288402	20.243	ug/l	99
36) 1,1-Dichloropropene	5.74	75	255217	21.198	ug/l	99
37) Ethyl Acetate	4.92	43	131815	20.065	ug/l #	93
38) Carbon Tetrachloride	5.72	117	258701	21.803	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.28	83	261523	21.912	ug/l	95
40) Benzene	6.01	78	605753	21.538	ug/l	98
41) Methacrylonitrile	5.12	41	70941	23.617	ug/l #	90
42) 1,2-Dichloroethane	6.12	62	240691	21.166	ug/l	100
43) Isopropyl Acetate	7.62	43	181371	21.078	ug/l #	98
44) Trichloroethene	6.98	130	176132	21.440	ug/l	98
45) 1,2-Dichloropropane	7.34	63	161410	20.649	ug/l	98
46) Dibromomethane	7.46	93	111970	22.298	ug/l	98
47) Bromodichloromethane	7.73	83	258491	21.985	ug/l	99
48) Methyl methacrylate	7.51	41	107919	20.377	ug/l	92
49) 1,4-Dioxane	7.50	88	21897	499.076	ug/l #	78
51) 4-Methyl-2-Pentanone	8.59	43	606781	109.939	ug/l	99
52) Toluene	8.80	92	344301	21.330	ug/l	92
53) t-1,3-Dichloropropene	9.18	75	218870	21.607	ug/l	100
54) cis-1,3-Dichloropropene	8.35	75	255412	21.402	ug/l	99
55) 1,1,2-Trichloroethane	9.45	97	119206	22.819	ug/l	96
56) Ethyl methacrylate	9.31	69	139533	21.774	ug/l	95
57) 1,3-Dichloropropane	9.66	76	204284	22.296	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.19	63	366273	113.133	ug/l	95
59) 2-Hexanone	9.78	43	440213	108.837	ug/l	99
60) Dibromochloromethane	9.96	129	162298	22.031	ug/l	94
61) 1,2-Dibromoethane	10.09	107	130277	21.685	ug/l	96
64) Tetrachloroethene	9.51	164	174096	21.840	ug/l	97
65) Chlorobenzene	10.72	112	395597	21.915	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.85	131	150157	21.651	ug/l	93
67) Ethyl Benzene	10.85	91	708452	21.724	ug/l	99
68) m/p-Xylenes	11.01	106	488044	45.906	ug/l	91
69) o-Xylene	11.41	106	218418	20.698	ug/l	99
70) Styrene	11.43	104	385950	22.093	ug/l	99
71) Bromoform	11.59	173	117782	22.576	ug/l #	94
73) Isopropylbenzene	11.77	105	671266	21.796	ug/l	100
74) N-amyl acetate	11.64	43	246193	20.716	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.08	83	141746	21.109	ug/l	97
76) 1,2,3-Trichloropropane	12.11	75	150286	21.516	ug/l	97
77) Bromobenzene	12.04	156	193596	21.236	ug/l	96
78) n-propylbenzene	12.15	91	851457	21.246	ug/l	100
79) 2-Chlorotoluene	12.21	91	489640	21.416	ug/l	98
80) 1,3,5-Trimethylbenzene	12.32	105	514180	21.408	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.84	75	36911	21.336	ug/l	95
82) 4-Chlorotoluene	12.32	91	546384	22.845	ug/l	98
83) tert-Butylbenzene	12.58	119	567275	20.917	ug/l	97
84) 1,2,4-Trimethylbenzene	12.63	105	541194	20.956	ug/l	99
85) sec-Butylbenzene	12.75	105	708621	21.650	ug/l	99
86) p-Isopropyltoluene	12.88	119	568399	21.546	ug/l	99
87) 1,3-Dichlorobenzene	12.84	146	334516	21.692	ug/l	96
88) 1,4-Dichlorobenzene	12.92	146	326864	21.754	ug/l	95
89) n-Butylbenzene	13.20	91	599708	22.850	ug/l	98
90) Hexachloroethane	13.40	117	147053	21.840	ug/l	96
91) 1,2-Dichlorobenzene	13.19	146	284241	22.808	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.77	75	22405	21.620	ug/l	90

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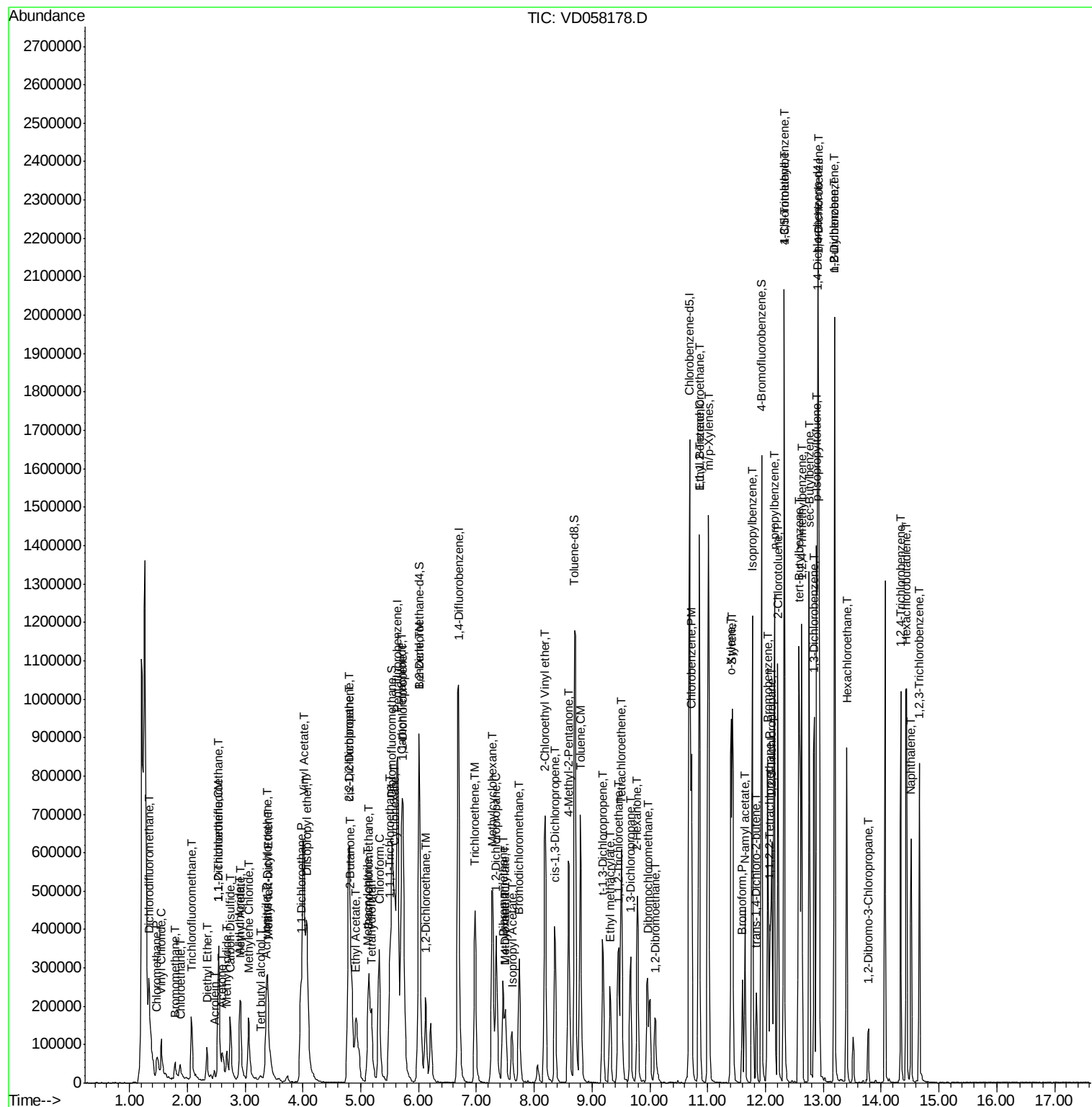
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.34	180	259062	22.250	ug/l	99
94) Hexachlorobutadiene	14.44	225	205467	22.436	ug/l	96
95) Naphthalene	14.52	128	346432	23.077	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	234827	23.666	ug/l	96

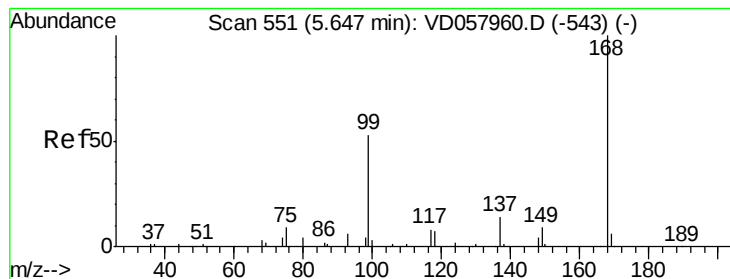
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 19 05:48:29 2018
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

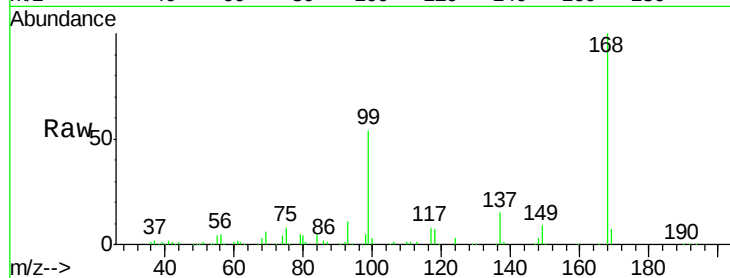
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 839299

Ion Ratio Lower Upper

168 100

99 53.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.64

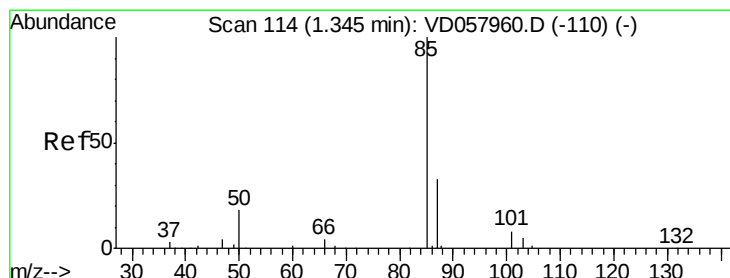
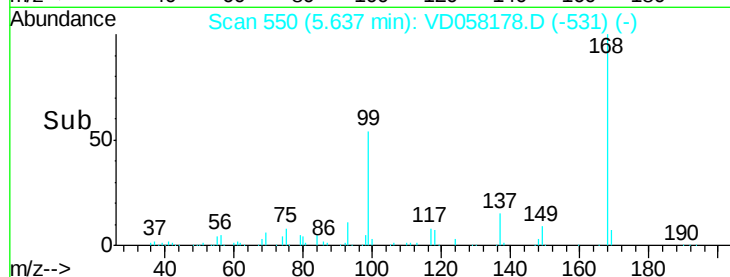
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.178 ug/l

RT: 1.34 min Scan# 113

Delta R.T. -0.01 min

Lab File: VD058178.D

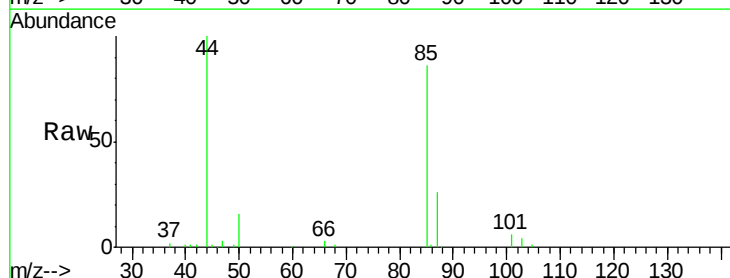
Acq: 18 Jun 2018 13:49

Tgt Ion: 85 Resp: 227296

Ion Ratio Lower Upper

85 100

87 30.2 16.4 49.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.34

100000

80000

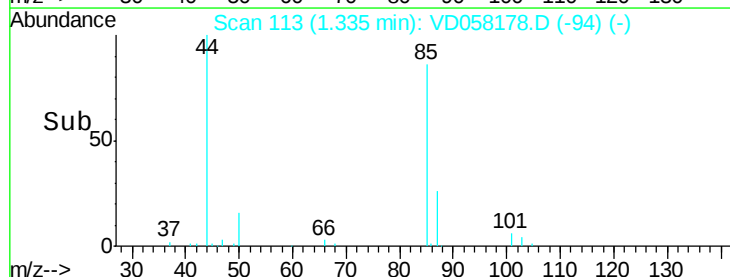
60000

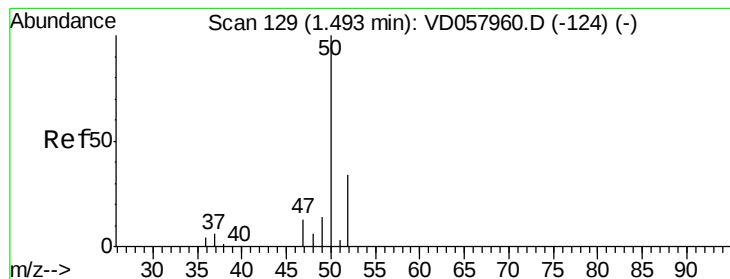
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.013 ug/l

RT: 1.48 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

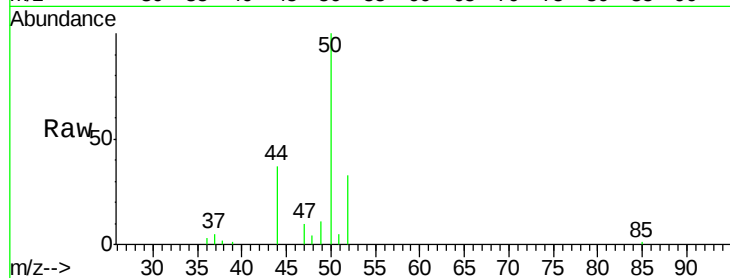
ClientSampleId :

Tot Ion: 50 Resp: 111025

Ion Ratio Lower Upper

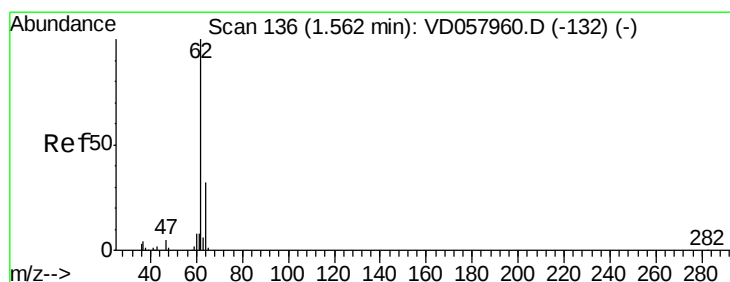
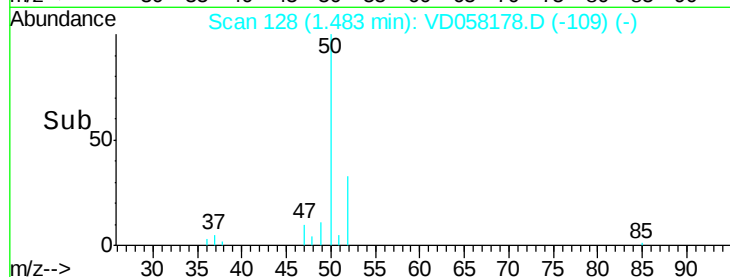
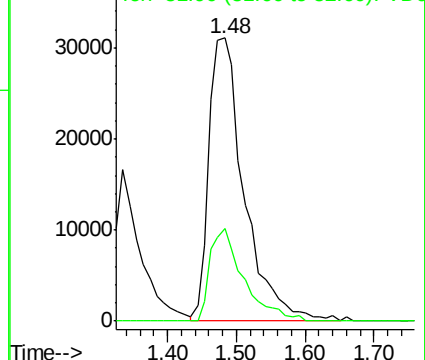
50 100

52 32.7 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: 19.767 ug/l

RT: 1.55 min Scan# 135

Delta R.T. -0.01 min

Lab File: VD058178.D

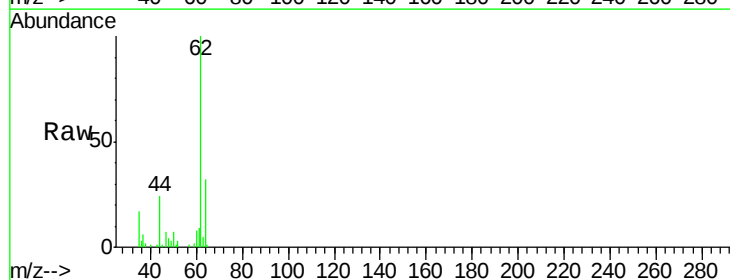
Acq: 18 Jun 2018 13:49

Tgt Ion: 62 Resp: 106150

Ion Ratio Lower Upper

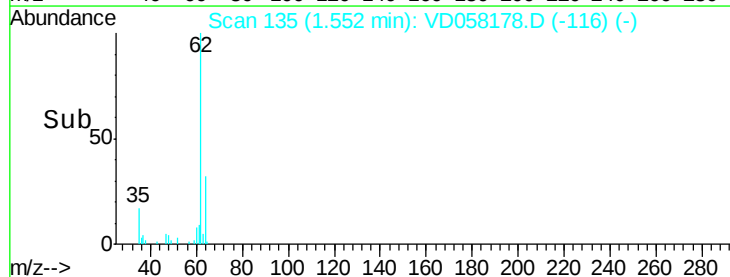
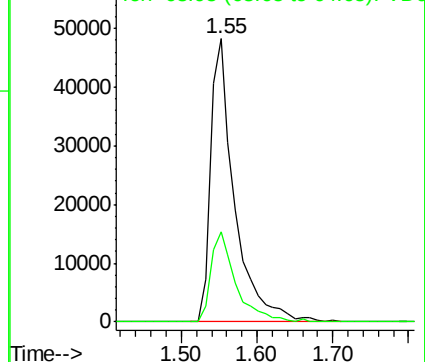
62 100

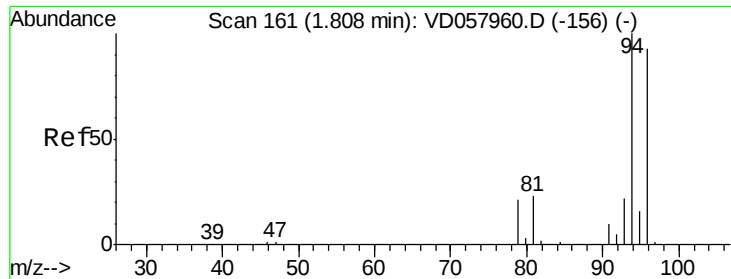
64 31.9 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.005 ug/l

RT: 1.79 min Scan# 159

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

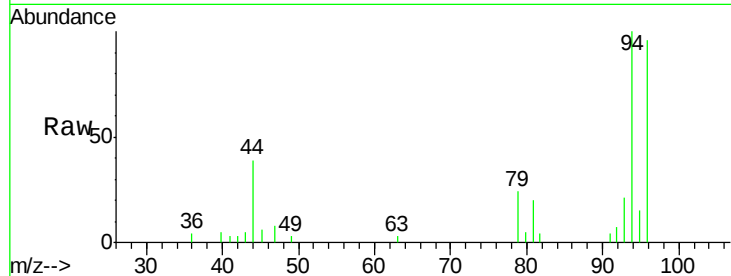
ClientSampleId :

Tot Ion: 94 Resp: 33685

Ion Ratio Lower Upper

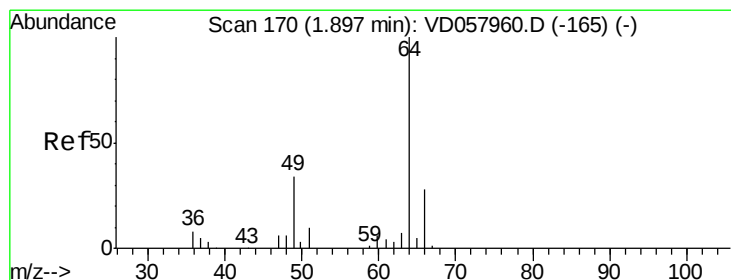
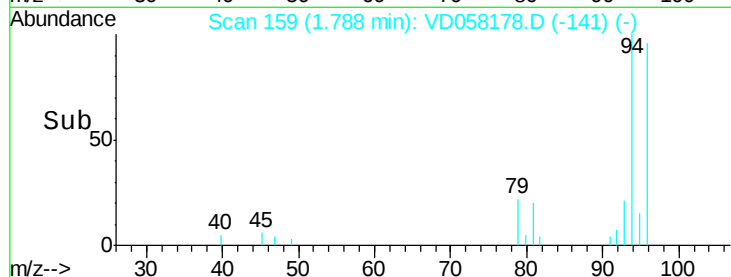
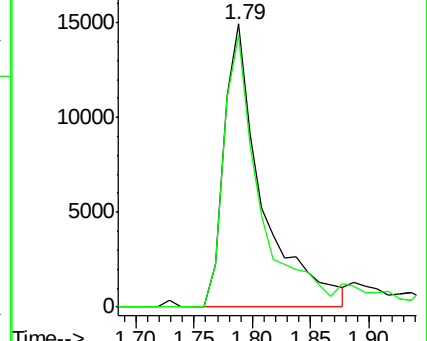
94 100

96 95.8 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.166 ug/l

RT: 1.87 min Scan# 167

Delta R.T. -0.03 min

Lab File: VD058178.D

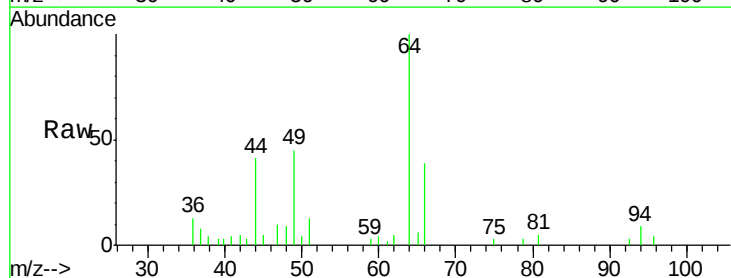
Acq: 18 Jun 2018 13:49

Tgt Ion: 64 Resp: 36370

Ion Ratio Lower Upper

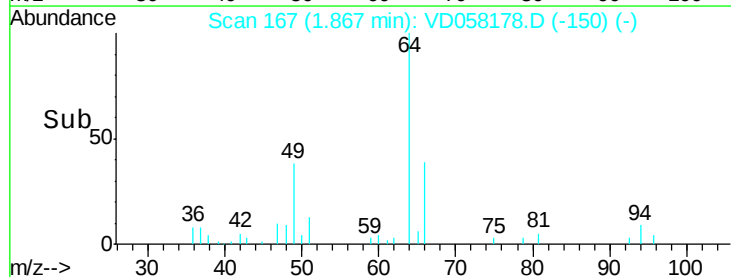
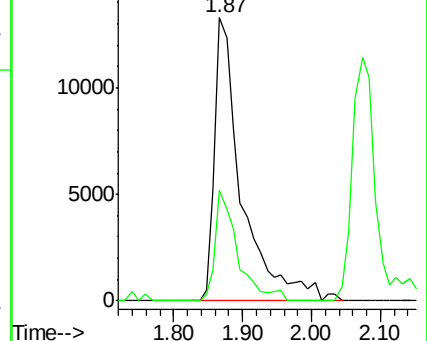
64 100

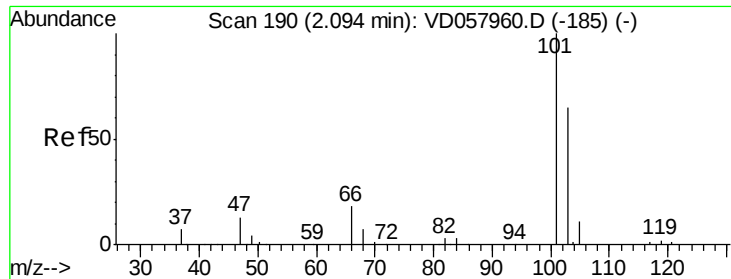
66 39.2 22.8 34.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



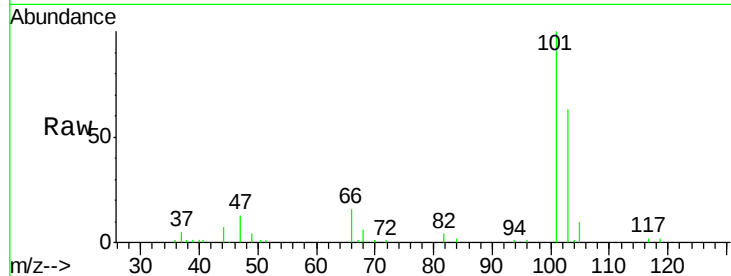


#7

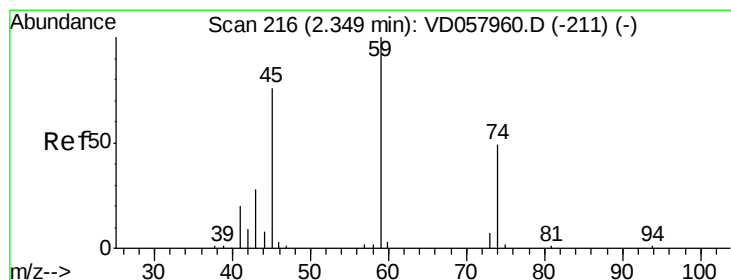
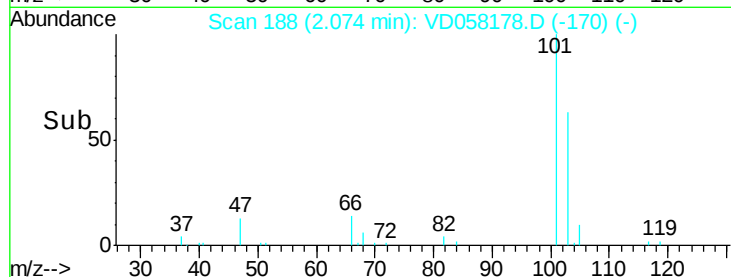
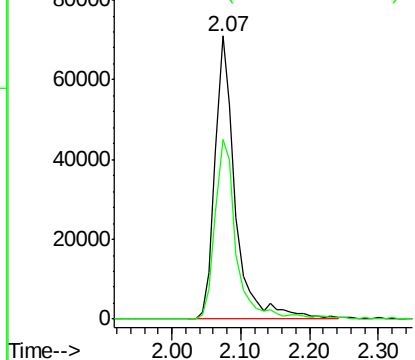
Trichlorofluoromethane
 Concen: 19.839 ug/l
 RT: 2.07 min Scan# 188
 Delta R.T. -0.02 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 145628
 Ion Ratio Lower Upper
 101 100
 103 63.3 52.4 78.6



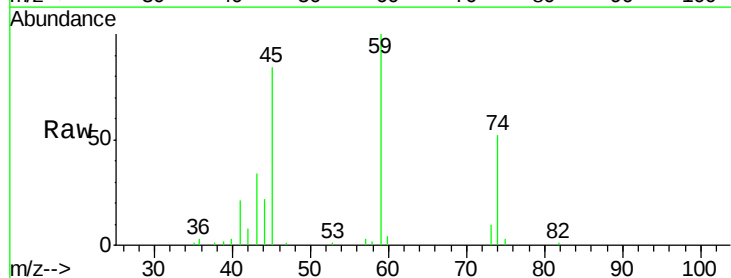
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



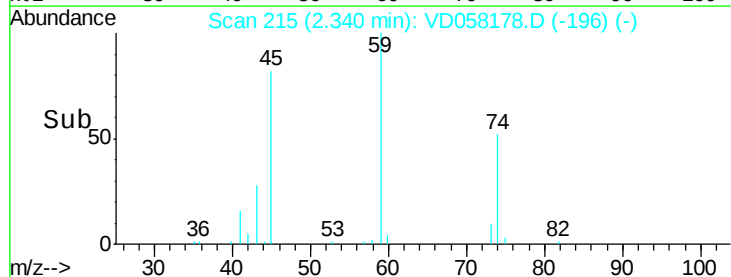
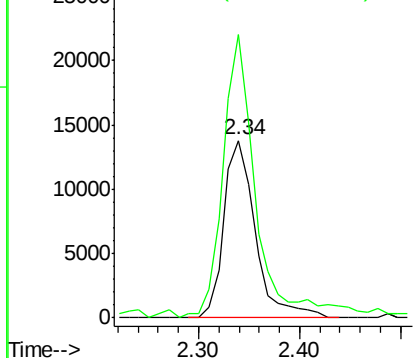
#8

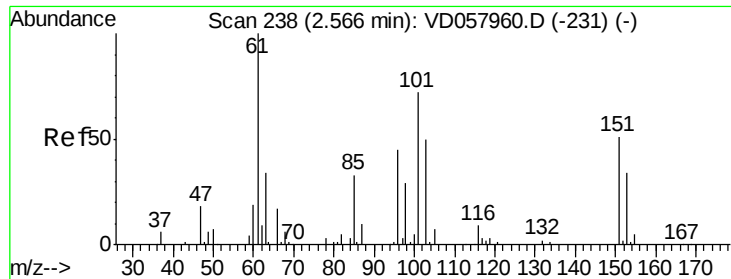
Diethyl Ether
 Concen: 22.081 ug/l
 RT: 2.34 min Scan# 215
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion: 74 Resp: 30111
 Ion Ratio Lower Upper
 74 100
 45 159.4 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: 20.625 ug/l

RT: 2.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampled :

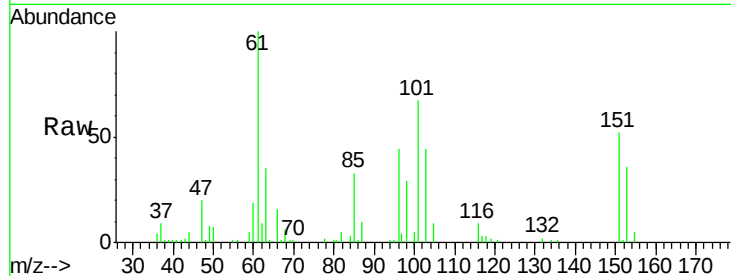
Tot Ion:101 Resp: 90306

Ion Ratio Lower Upper

101 100

85 49.5 37.3 55.9

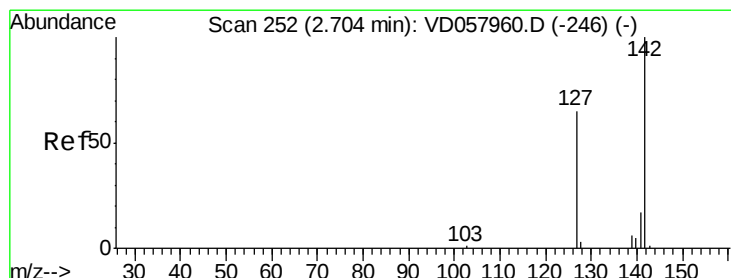
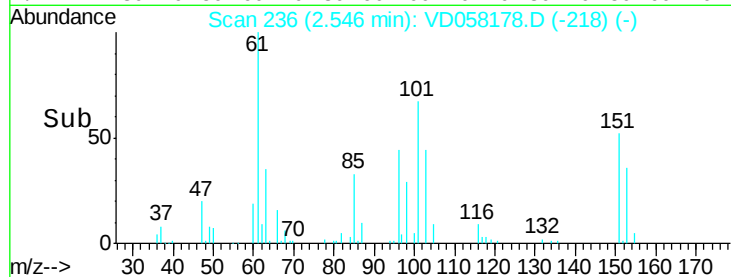
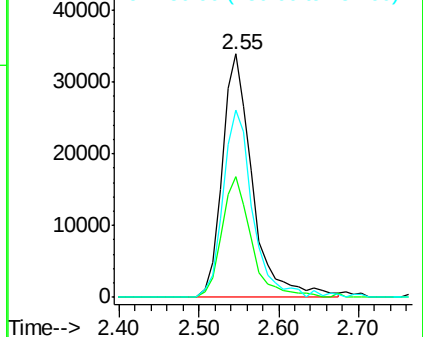
151 77.2 57.0 85.6



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: 18.484 ug/l

RT: 2.68 min Scan# 250

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

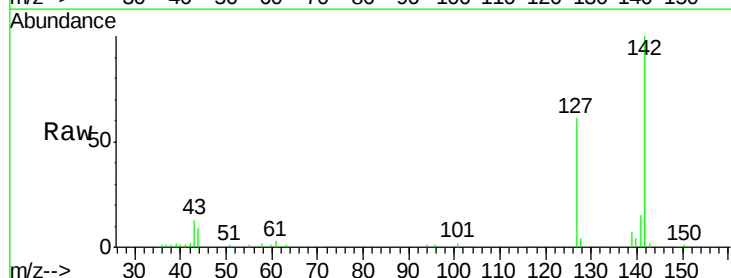
Tgt Ion:142 Resp: 104430

Ion Ratio Lower Upper

142 100

127 61.0 52.0 78.0

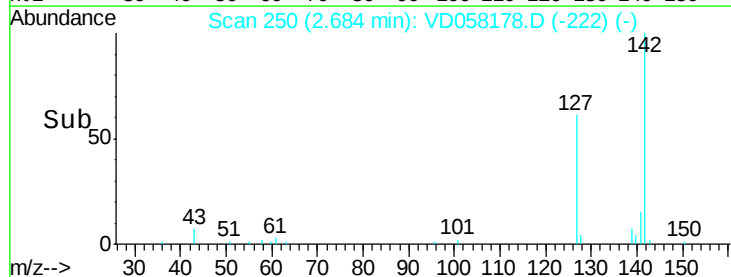
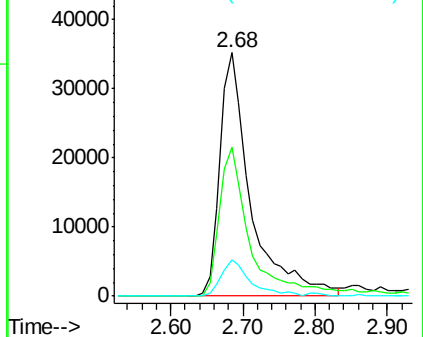
141 15.1 13.2 19.8

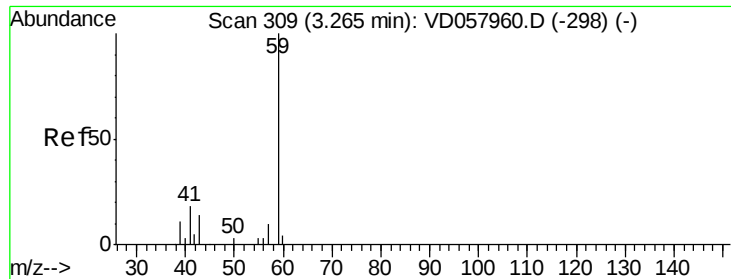


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

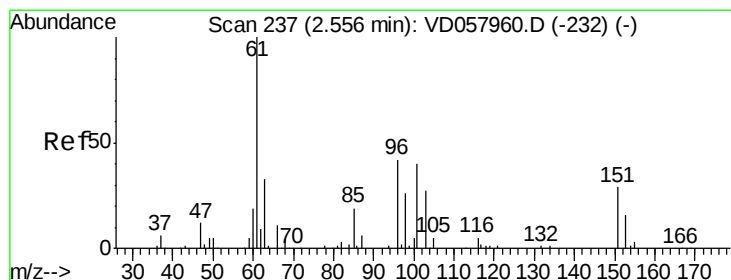
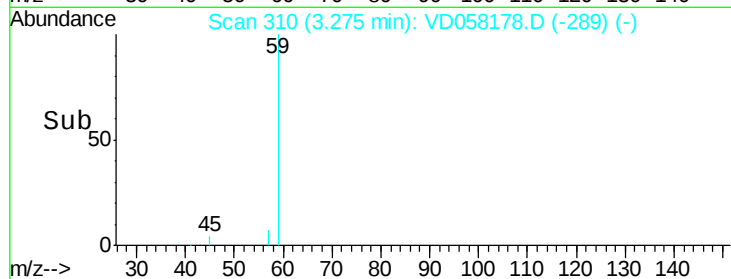
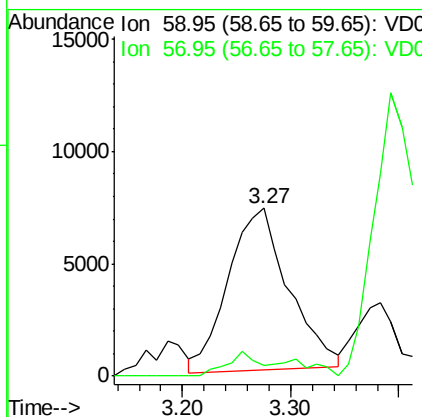
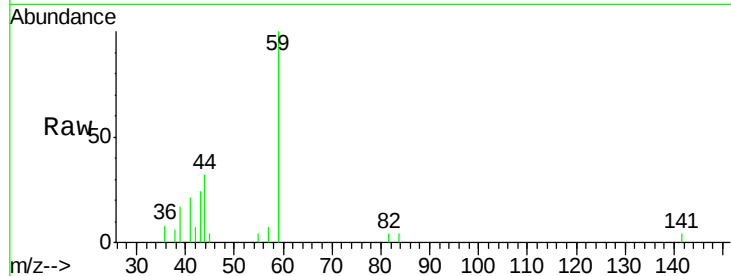




#11
Tert butyl alcohol
Concen: 124.245 ug/l
RT: 3.27 min Scan# 310
Delta R.T. 0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

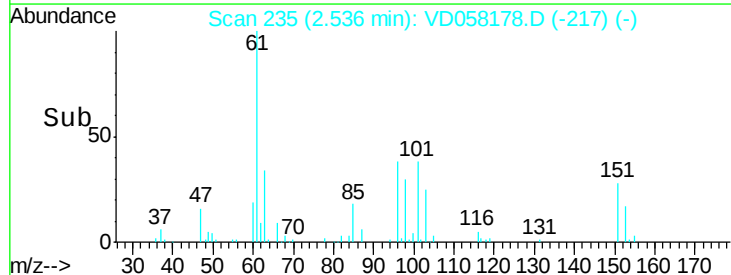
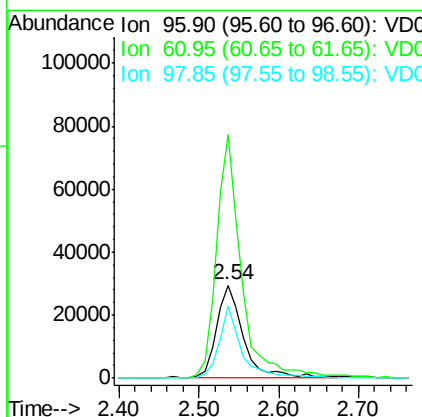
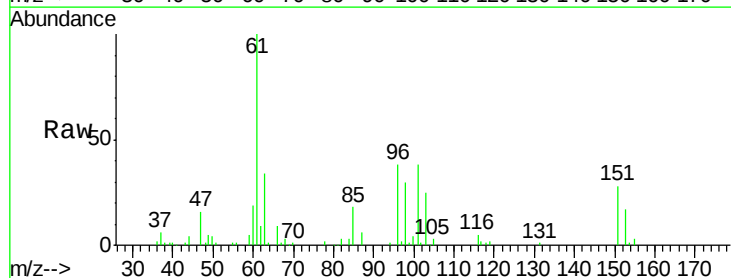
Instrument :
MSVOA_D
ClientSampleId :

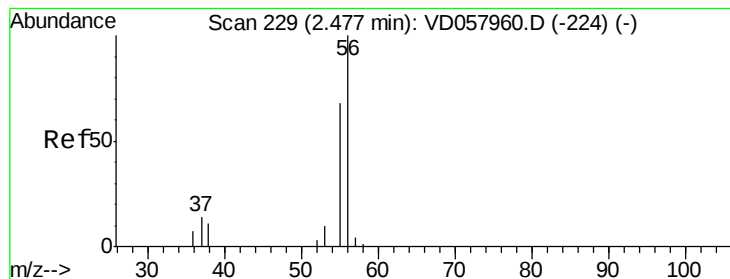
Tot Ion: 59 Resp: 27928
Ion Ratio Lower Upper
59 100
57 6.5 7.8 11.6#



#12
1,1-Dichloroethene
Concen: 20.859 ug/l
RT: 2.54 min Scan# 235
Delta R.T. -0.02 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 96 Resp: 70214
Ion Ratio Lower Upper
96 100
61 262.4 190.2 285.4
98 77.8 49.6 74.4#





#13

Acrolein

Concen: 76.672 ug/l

RT: 2.47 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

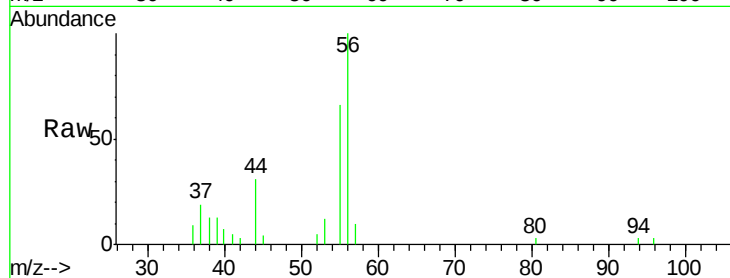
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 24682

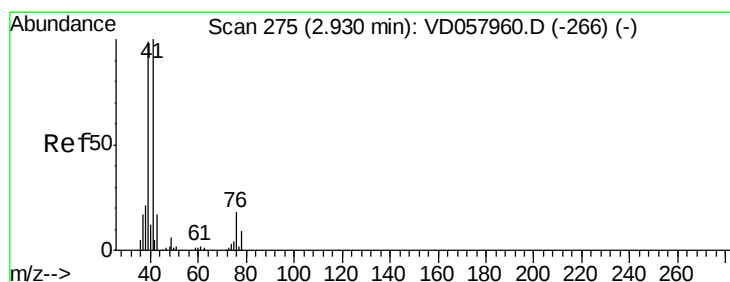
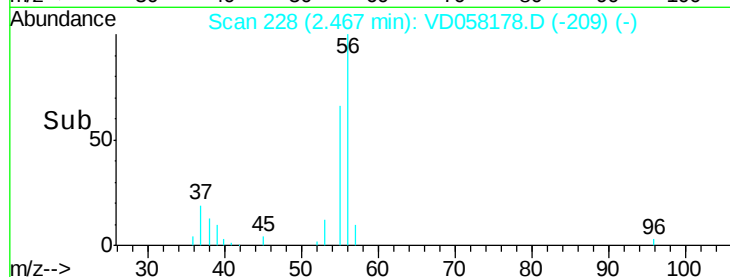
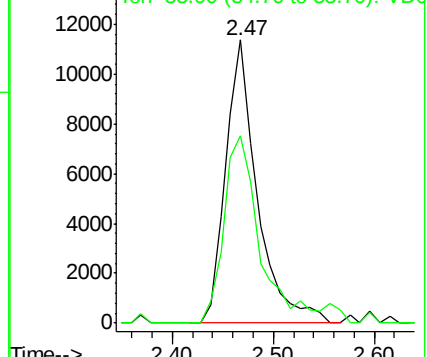
Ion Ratio Lower Upper

56 100

55 66.3 54.0 81.0



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



#14

Allyl chloride

Concen: 20.465 ug/l

RT: 2.91 min Scan# 273

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

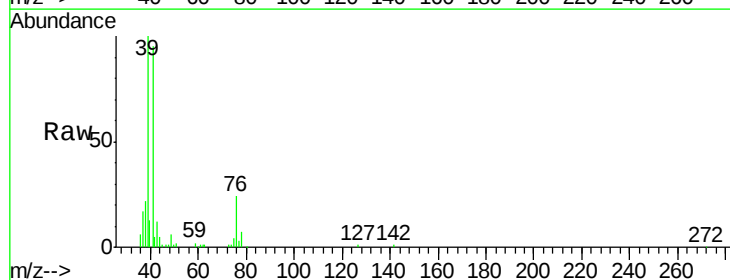
Tgt Ion: 41 Resp: 158914

Ion Ratio Lower Upper

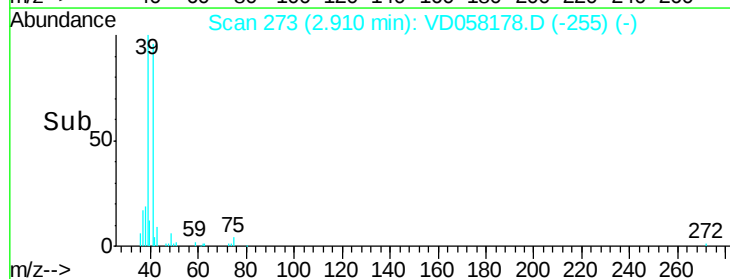
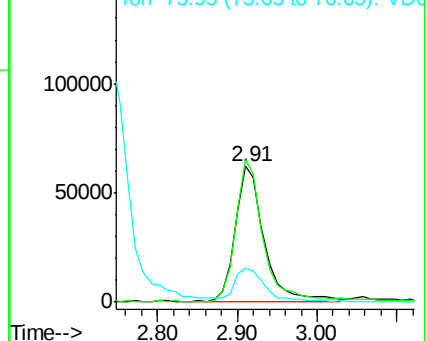
41 100

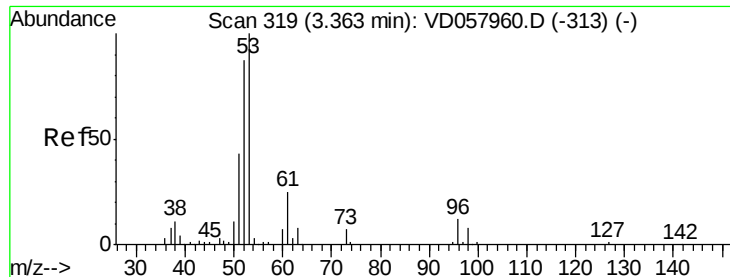
39 104.9 79.5 119.3

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: 60.245 ug/l

RT: 3.35 min Scan# 318

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

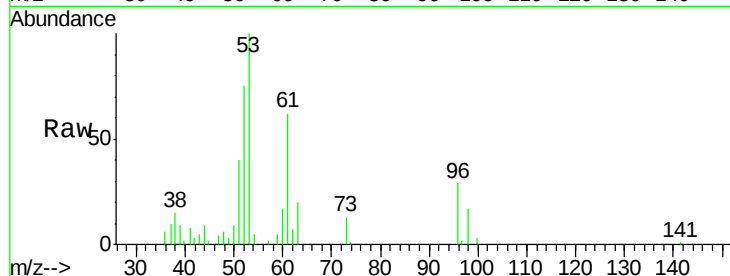
Tot Ion: 53 Resp: 79223

Ion Ratio Lower Upper

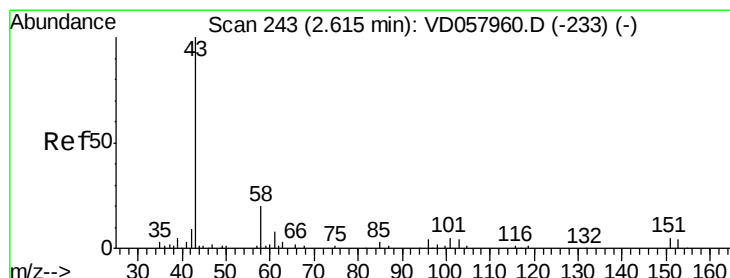
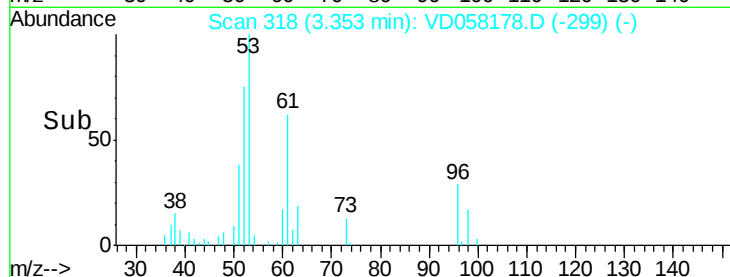
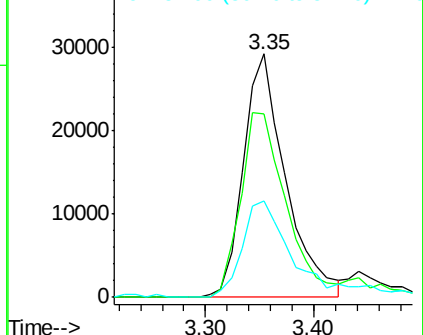
53 100

52 75.2 69.9 104.9

51 39.6 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: 99.905 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.01 min

Lab File: VD058178.D

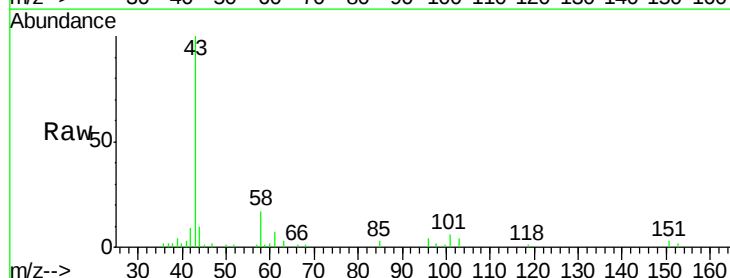
Acq: 18 Jun 2018 13:49

Tgt Ion: 43 Resp: 120775

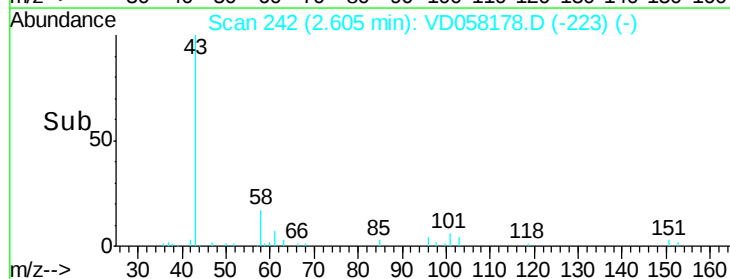
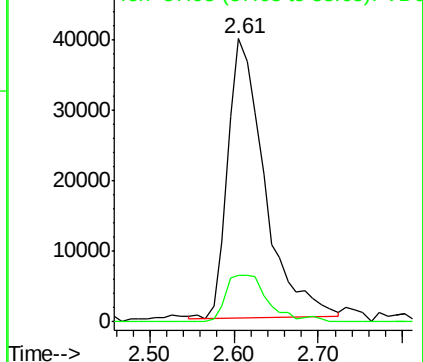
Ion Ratio Lower Upper

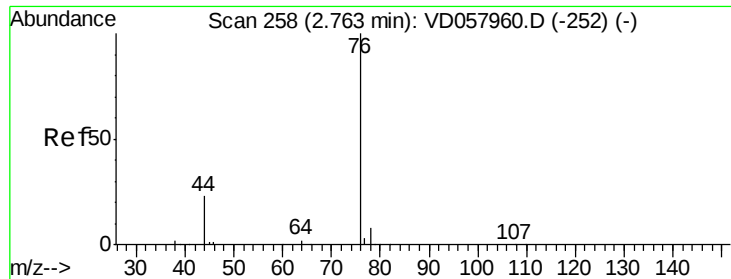
43 100

58 16.6 15.8 23.8



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

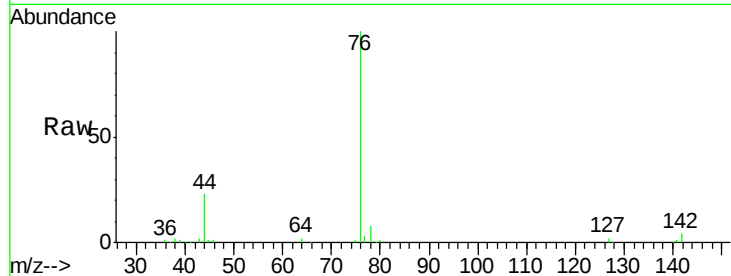




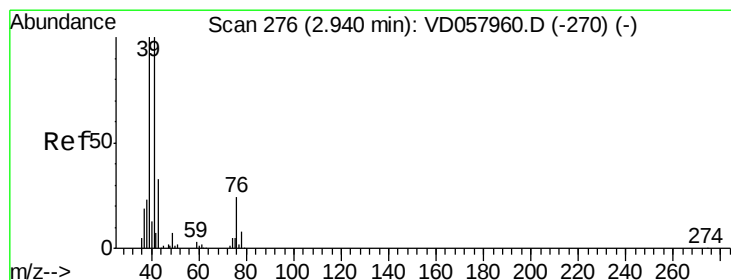
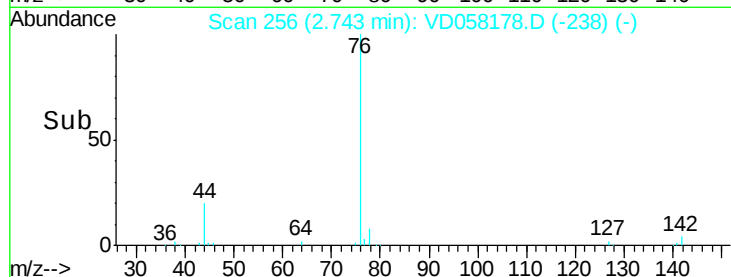
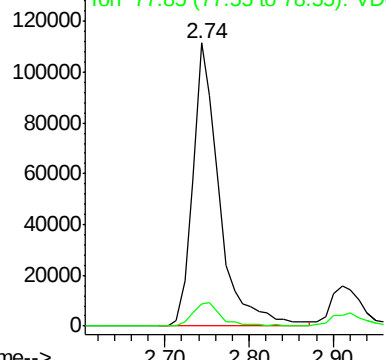
#17
Carbon Disulfide
Concen: 19.909 ug/l
RT: 2.74 min Scan# 256
Delta R.T. -0.02 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 242779
Ion Ratio Lower Upper
76 100
78 8.0 6.7 10.1

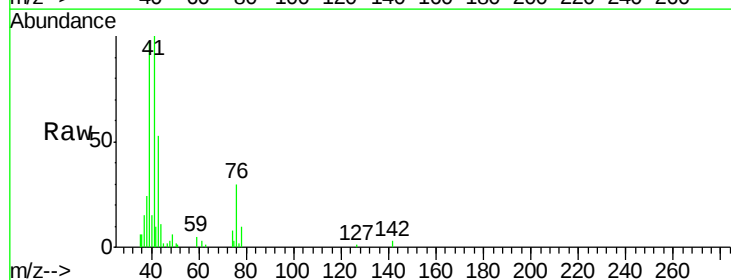


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

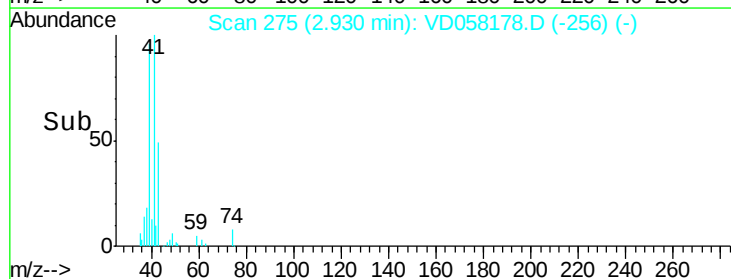
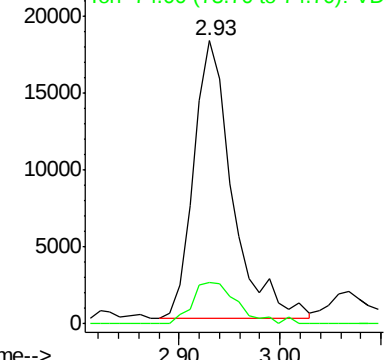


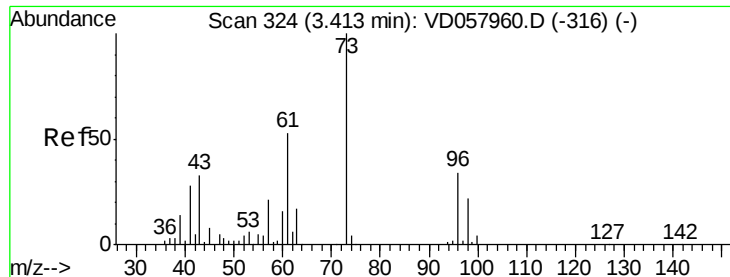
#18
Methyl Acetate
Concen: 20.472 ug/l
RT: 2.93 min Scan# 275
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 43 Resp: 47875
Ion Ratio Lower Upper
43 100
74 14.6 11.2 16.8



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



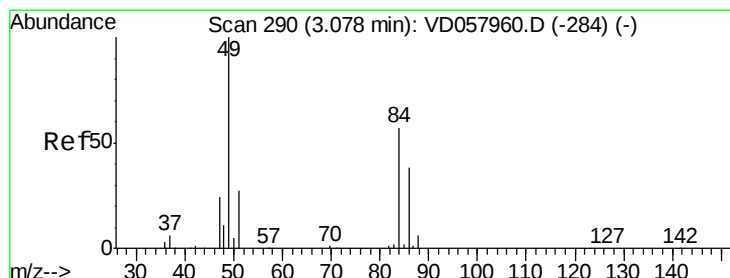
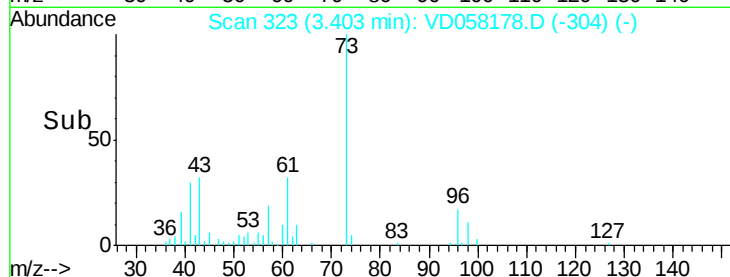
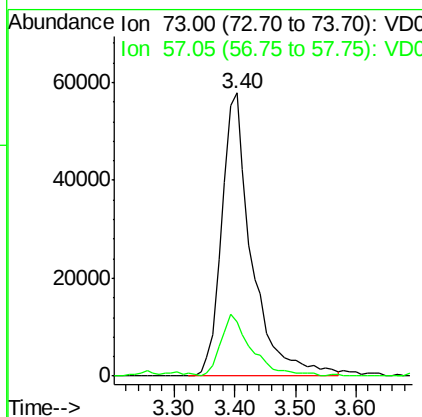
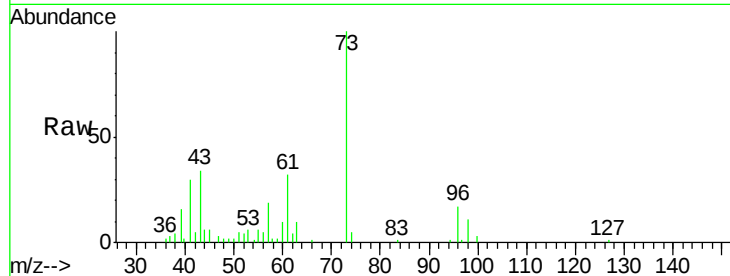


#19

Methyl tert-butyl Ether
 Concen: 13.460 ug/l
 RT: 3.40 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :

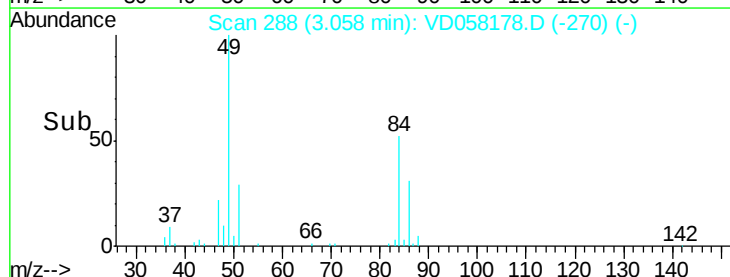
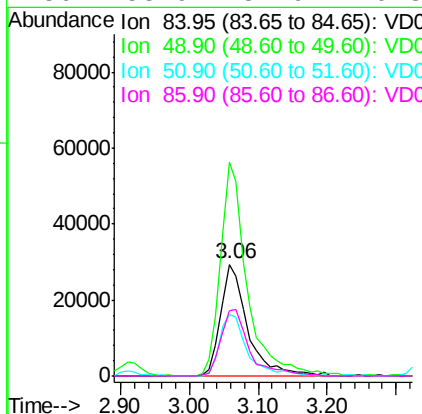
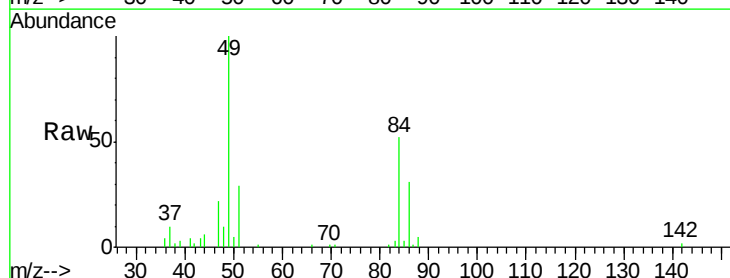
Tot Ion: 73 Resp: 199360
 Ion Ratio Lower Upper
 73 100
 57 19.1 16.7 25.1

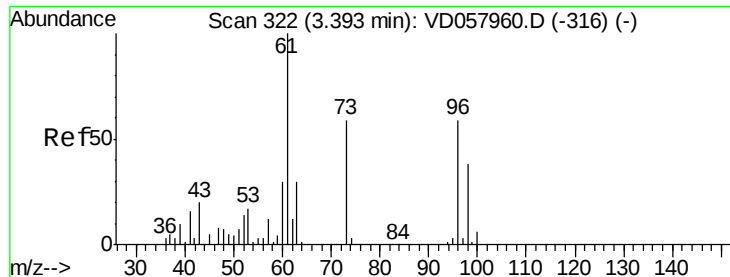


#20

Methylene Chloride
 Concen: 22.958 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. -0.02 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion: 84 Resp: 80273
 Ion Ratio Lower Upper
 84 100
 49 191.1 141.4 212.0
 51 55.2 38.3 57.5
 86 58.9 52.9 79.3





#21

trans-1,2-Dichloroethene

Concen: 9.668 ug/l

RT: 3.37 min Scan# 320

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

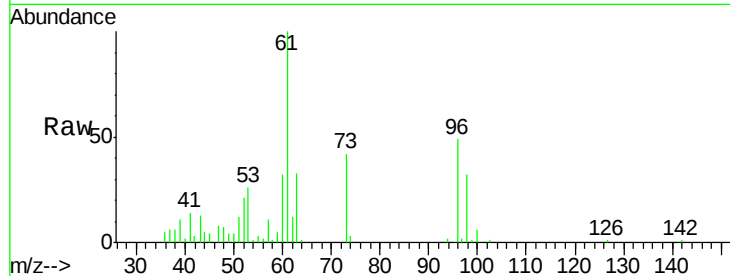
Tot Ion: 96 Resp: 72487

Ion Ratio Lower Upper

96 100

61 203.5 135.2 202.8#

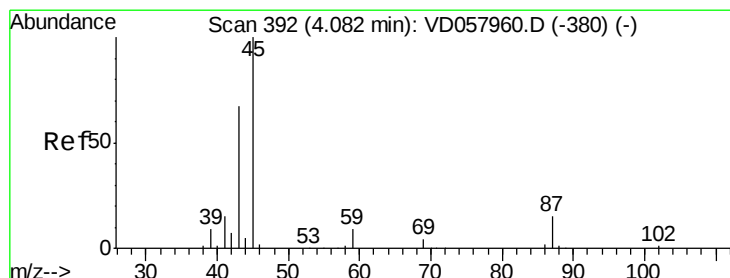
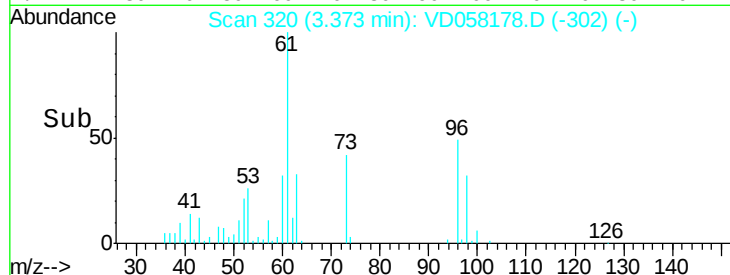
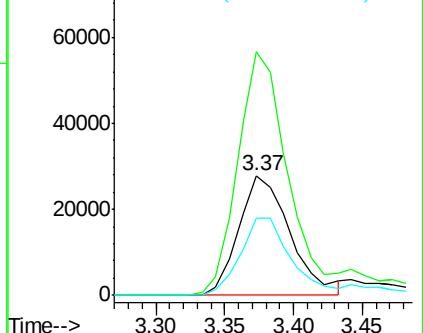
98 64.8 51.7 77.5



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: 20.383 ug/l

RT: 4.06 min Scan# 390

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Tgt Ion: 45 Resp: 627042

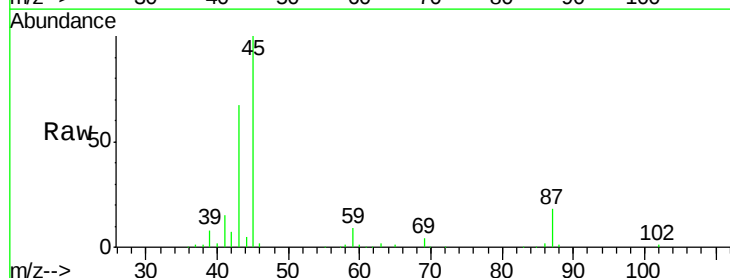
Ion Ratio Lower Upper

45 100

43 67.3 53.8 80.8

87 17.6 12.5 18.7

59 9.1 7.3 10.9

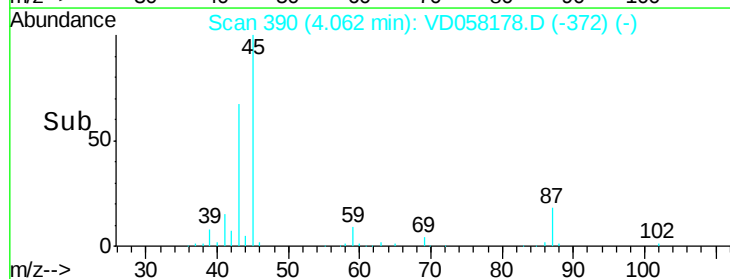
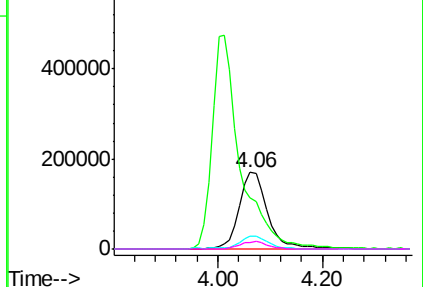


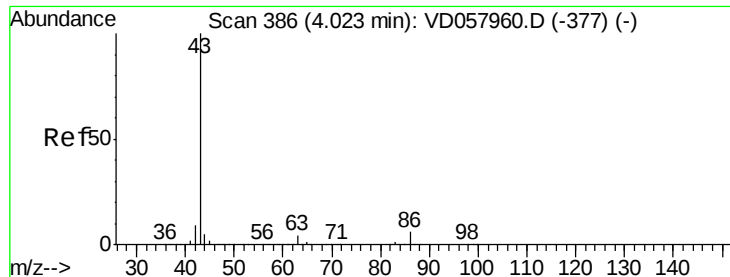
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 110.254 ug/l

RT: 4.01 min Scan# 385

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

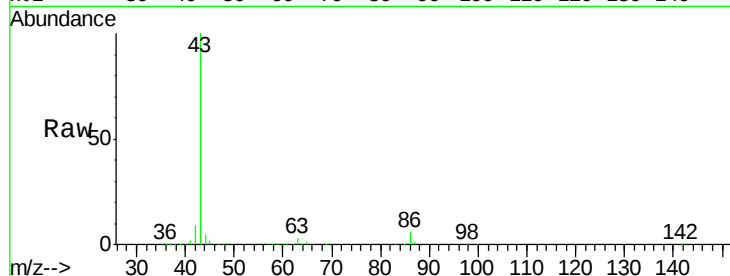
ClientSampleId :

Tot Ion: 43 Resp: 1752437

Ion Ratio Lower Upper

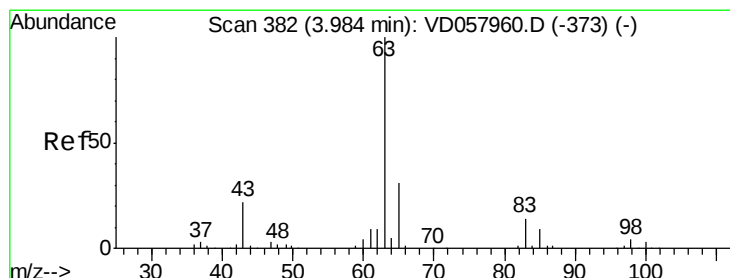
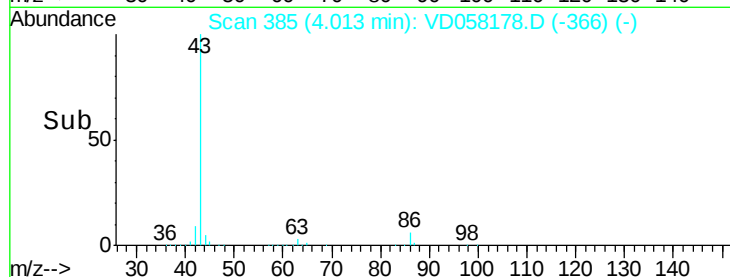
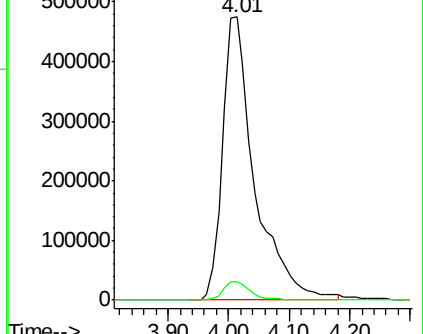
43 100

86 6.5 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: 20.904 ug/l

RT: 3.96 min Scan# 380

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

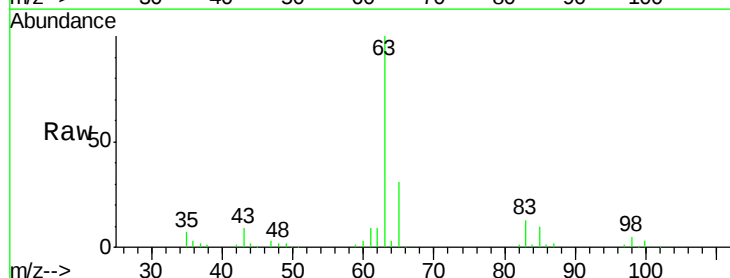
Tgt Ion: 63 Resp: 353419

Ion Ratio Lower Upper

63 100

98 4.5 2.0 5.8

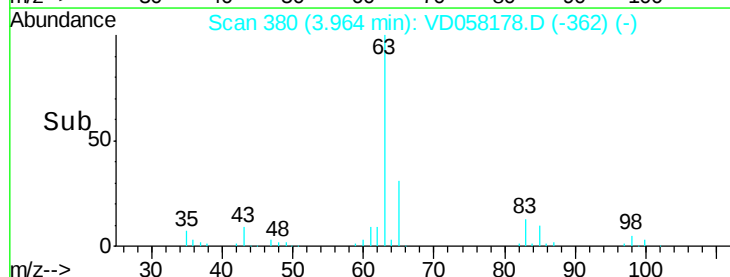
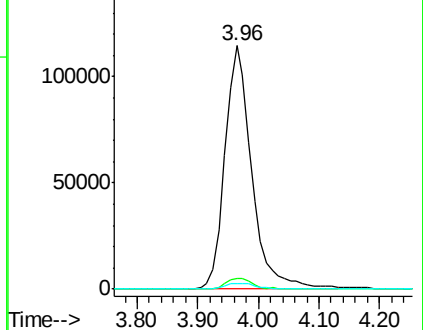
100 2.5 1.4 4.2

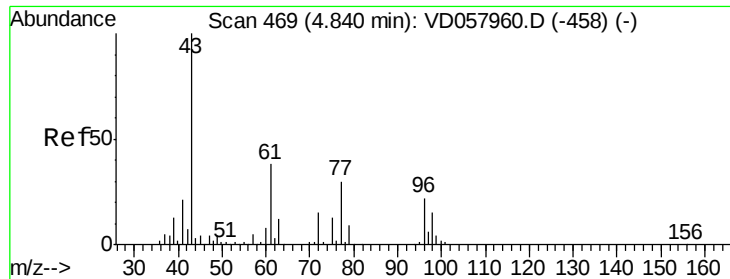


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

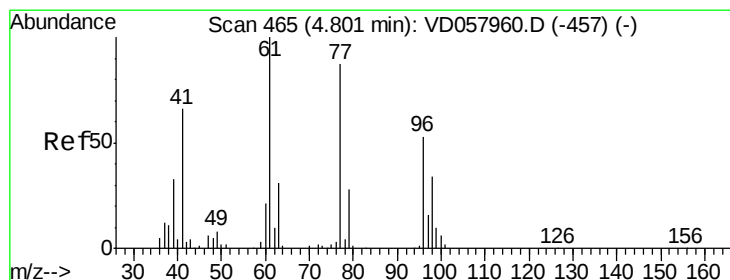
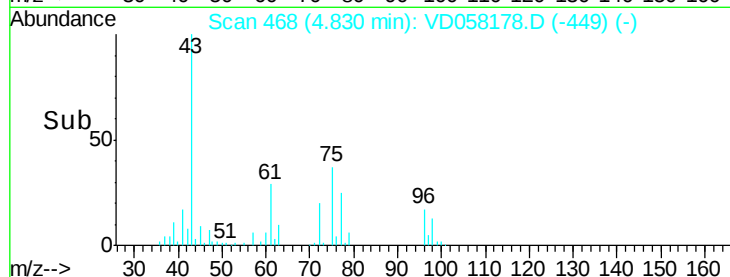
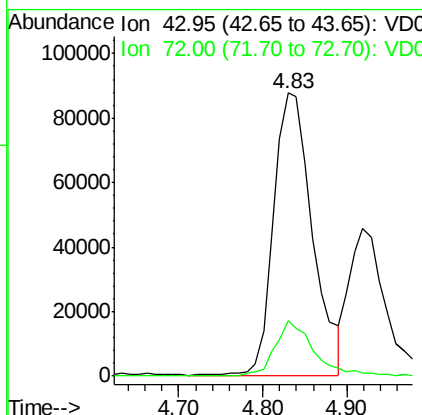
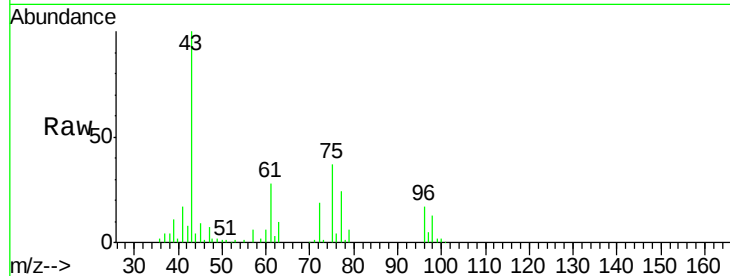




#25
2-Butanone
Concen: 103.405 ug/l
RT: 4.83 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

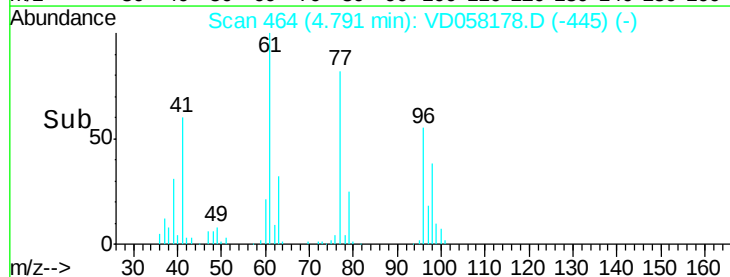
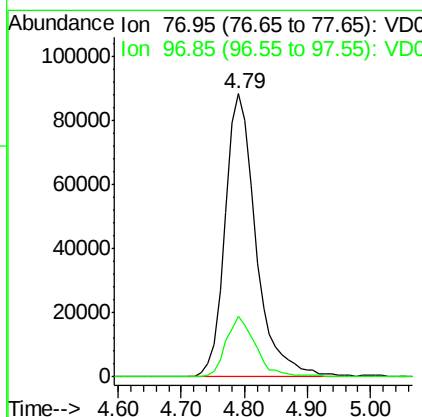
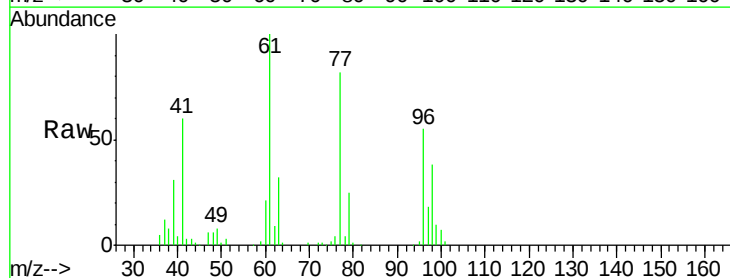
Instrument :
MSVOA_D
ClientSampleId :

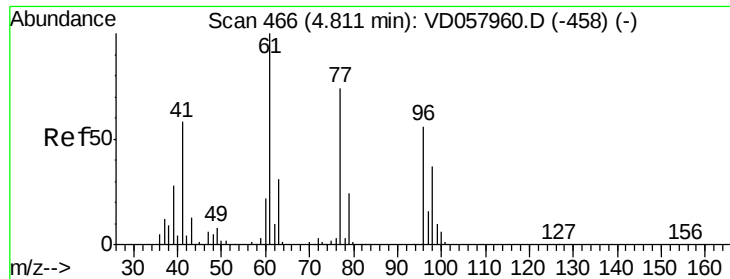
Tot Ion: 43 Resp: 284094
Ion Ratio Lower Upper
43 100
72 19.5 12.0 18.0#



#26
2,2-Dichloropropane
Concen: 21.546 ug/l
RT: 4.79 min Scan# 464
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 77 Resp: 300074
Ion Ratio Lower Upper
77 100
97 21.6 9.2 27.6



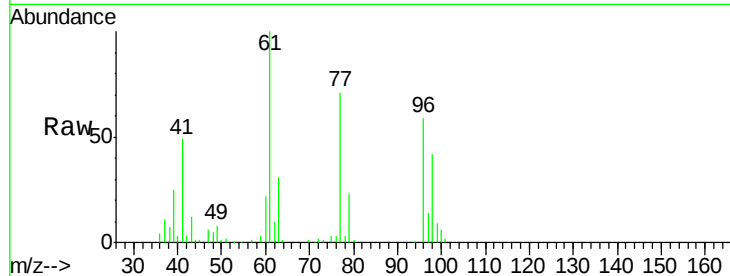


#27

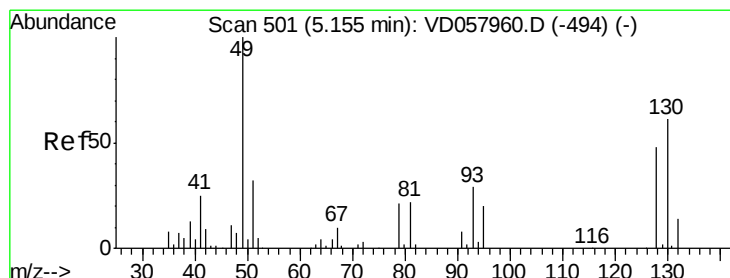
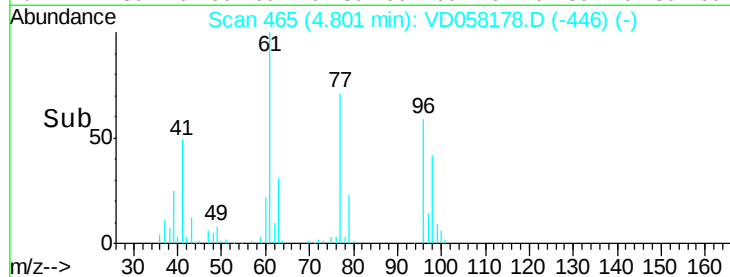
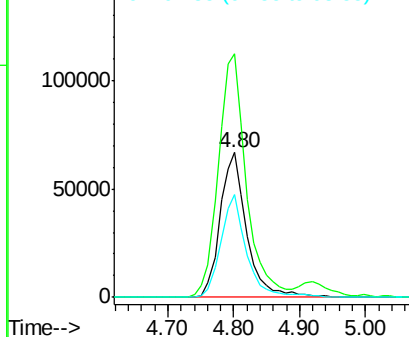
cis-1,2-Dichloroethene
Concen: 21.196 ug/l
RT: 4.80 min Scan# 465
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.2	0.0	355.0
98	71.4	0.0	129.6



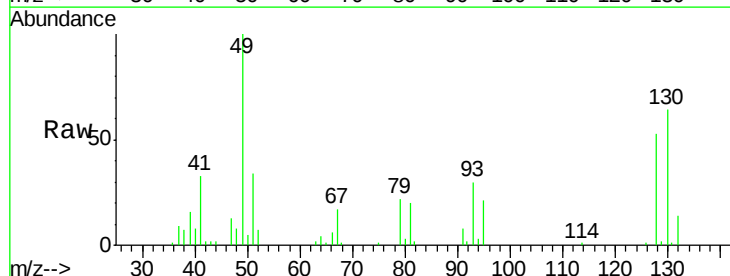
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



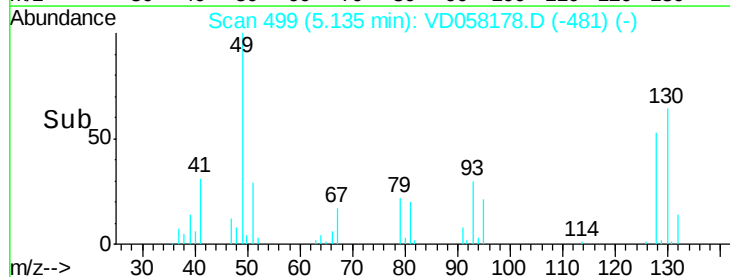
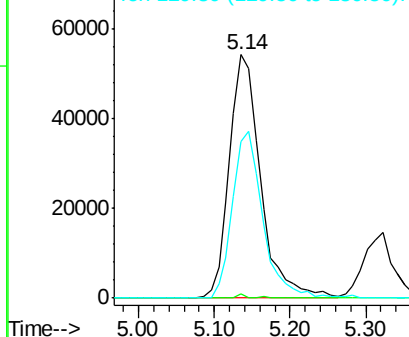
#28

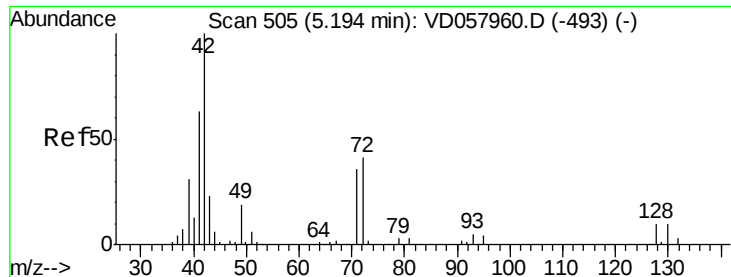
Bromochloromethane
Concen: 21.207 ug/l
RT: 5.14 min Scan# 499
Delta R.T. -0.02 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	64.2	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

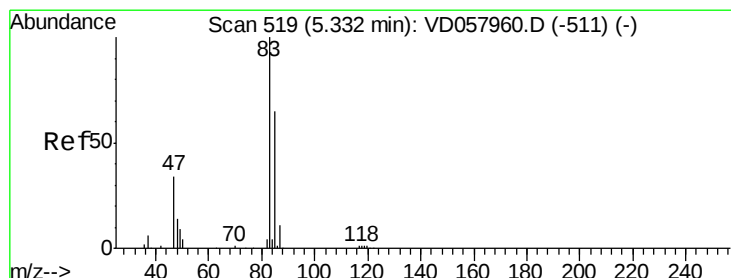
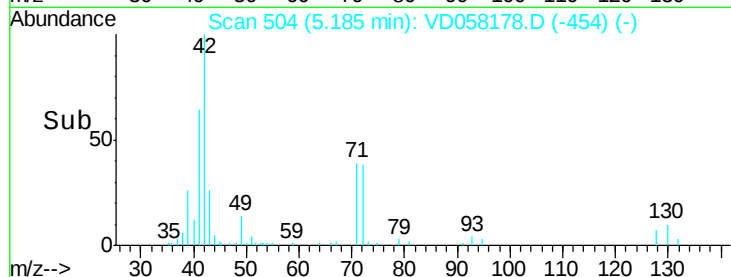
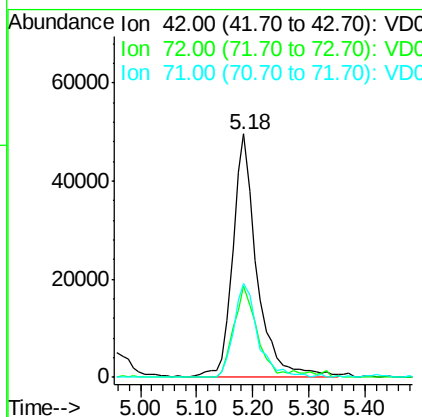
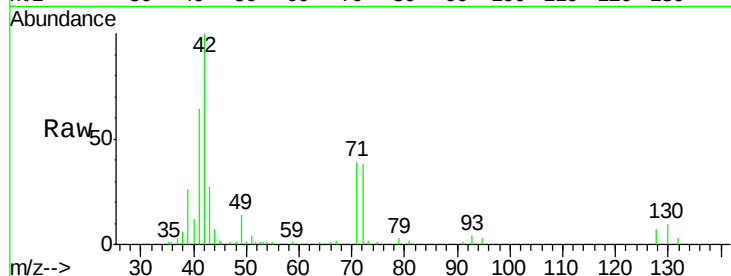




#29
Tetrahydrofuran
Concen: 102.835 ug/l
RT: 5.18 min Scan# 504
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

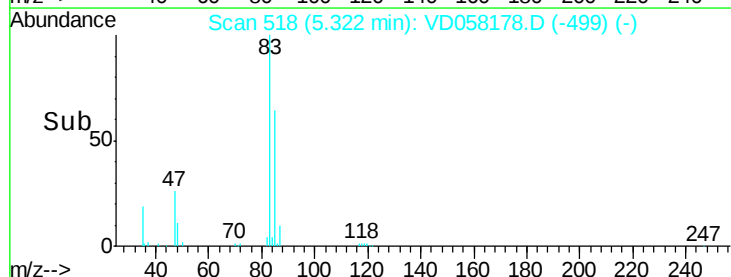
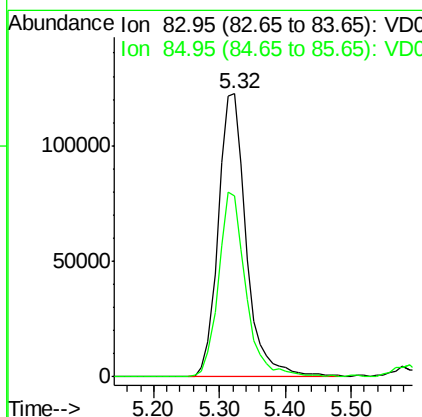
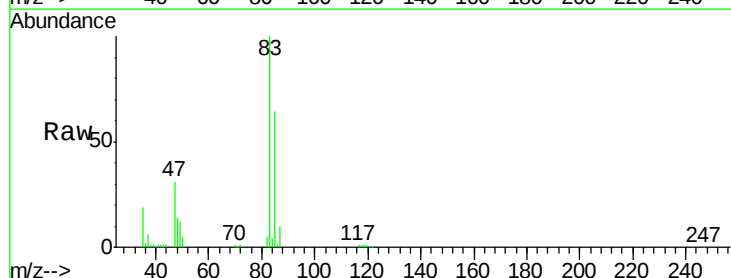
Instrument :
MSVOA_D
ClientSampleId :

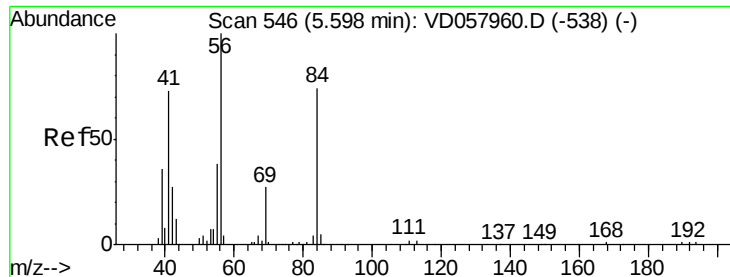
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.0	28.5	42.7
71	38.3	27.9	41.9



#30
Chloroform
Concen: 21.330 ug/l
RT: 5.32 min Scan# 518
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.6	77.4

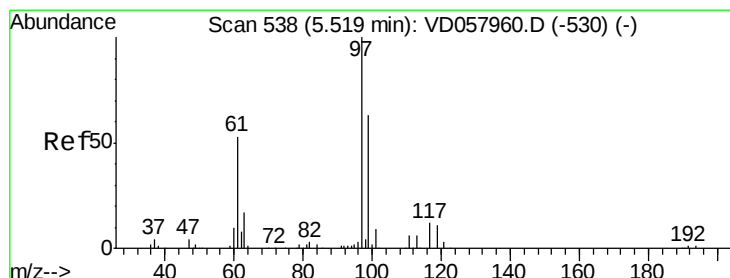
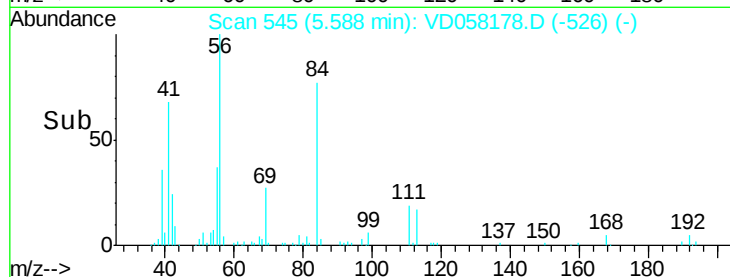
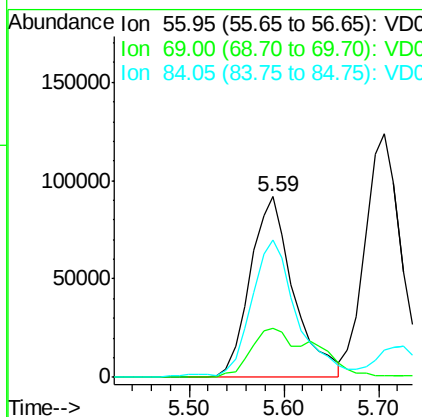
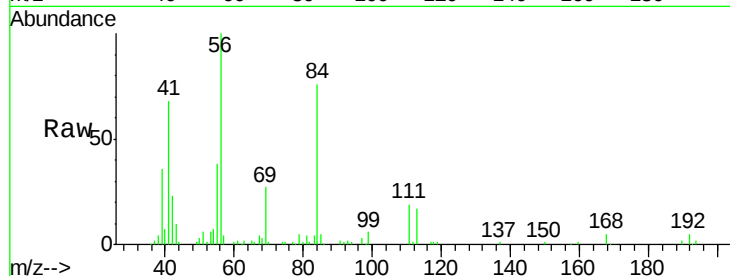




#31
Cyclohexane
Concen: 20.056 ug/l
RT: 5.59 min Scan# 545
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

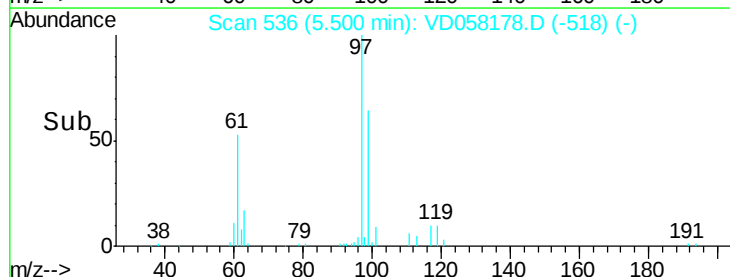
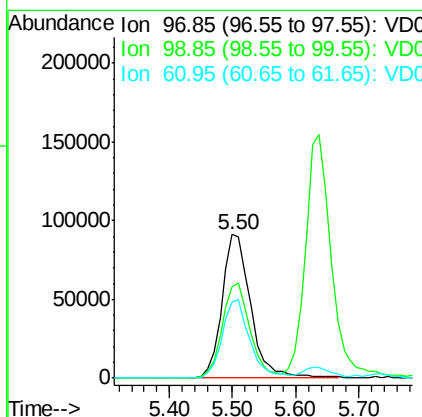
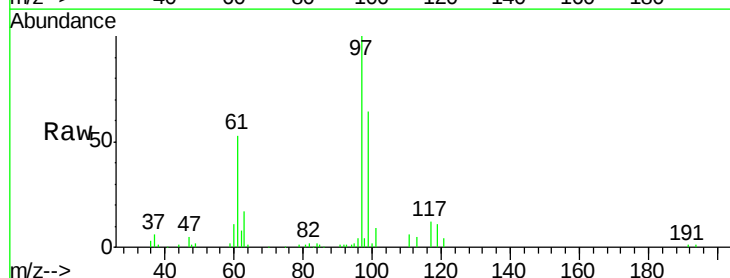
Instrument :
MSVOA_D
ClientSampleId :

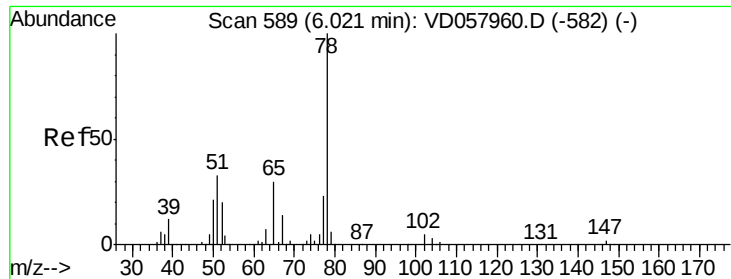
Tot Ion: 56 Resp: 292632
Ion Ratio Lower Upper
56 100
69 27.3 21.5 32.3
84 76.4 61.0 91.6



#32
1,1,1-Trichloroethane
Concen: 20.243 ug/l
RT: 5.50 min Scan# 536
Delta R.T. -0.02 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 97 Resp: 288402
Ion Ratio Lower Upper
97 100
99 63.8 50.1 75.1
61 53.1 42.2 63.4





#33

1,2-Dichloroethane-d4

Concen: 20.243 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

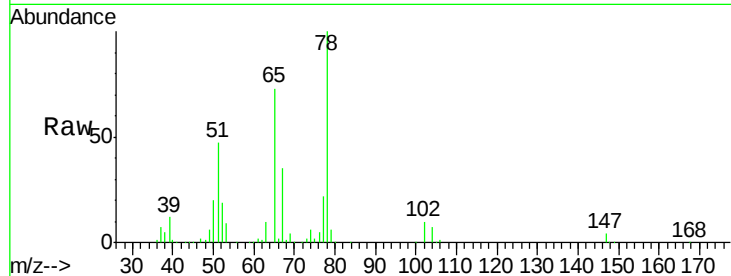
ClientSampleId :

Tot Ion: 65 Resp: 392584

Ion Ratio Lower Upper

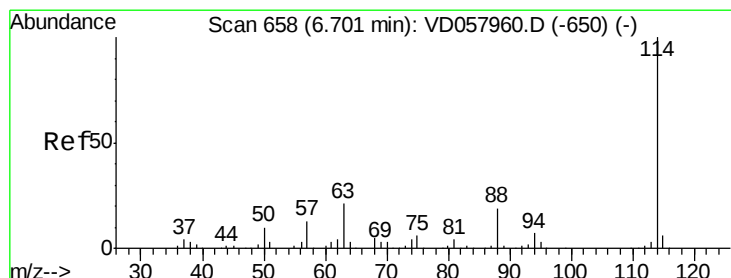
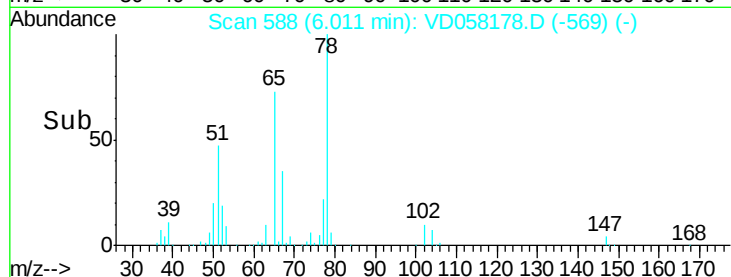
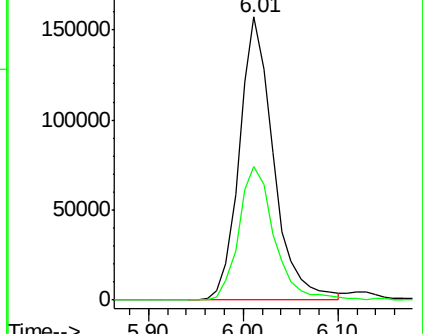
65 100

67 47.1 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: VD058178.D

Acq: 18 Jun 2018 13:49

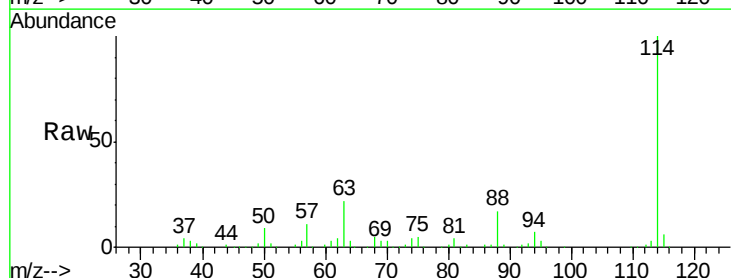
Tgt Ion: 114 Resp: 1092785

Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.8

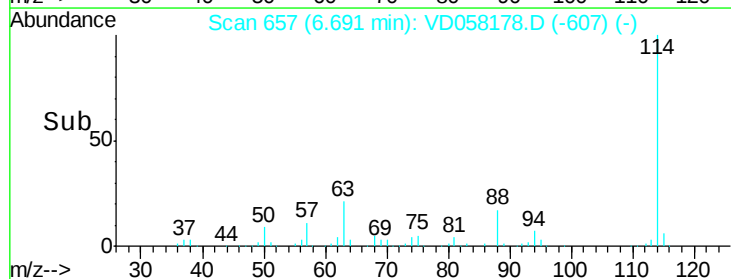
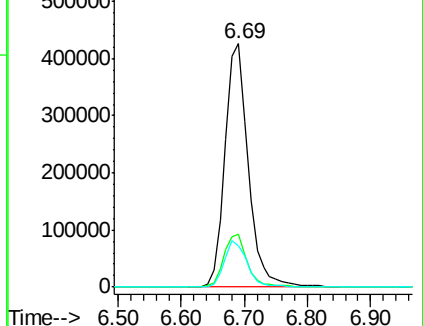
88 17.1 0.0 37.8

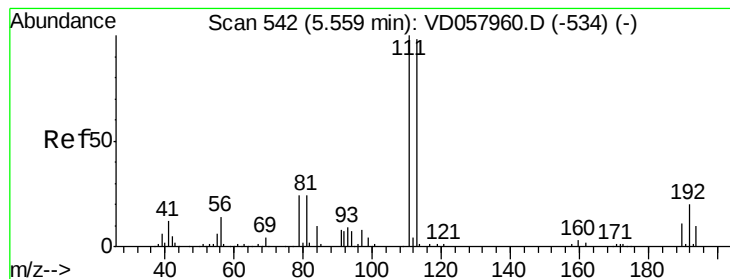


Abundance Ion 114.00 (113.70 to 114.70): V

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: 5.54 min Scan# 540

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

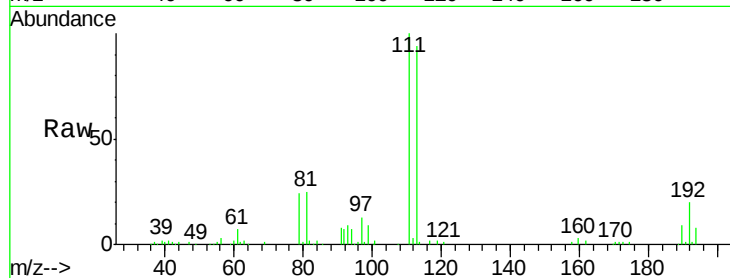
Tot Ion:113 Resp: 433004

Ion Ratio Lower Upper

113 100

111 106.1 81.5 122.3

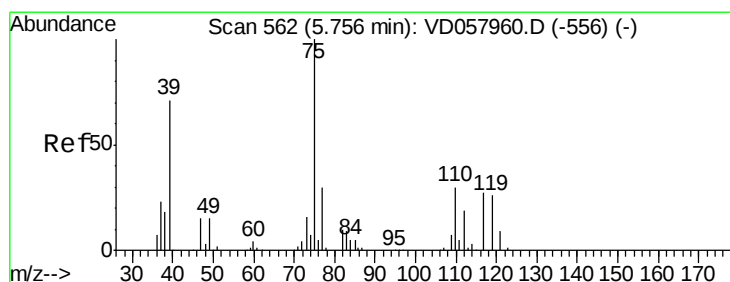
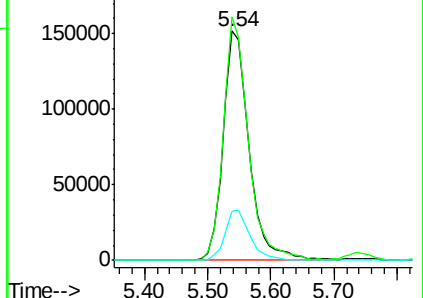
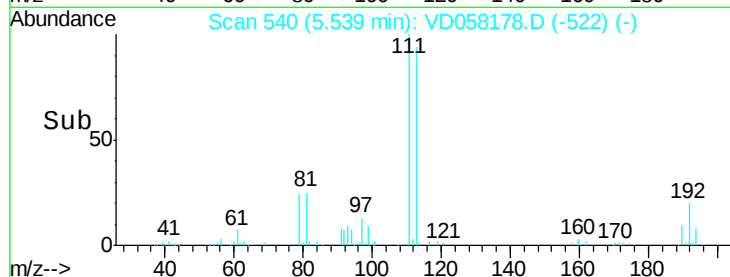
192 21.2 16.4 24.6



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: 21.198 ug/l

RT: 5.74 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

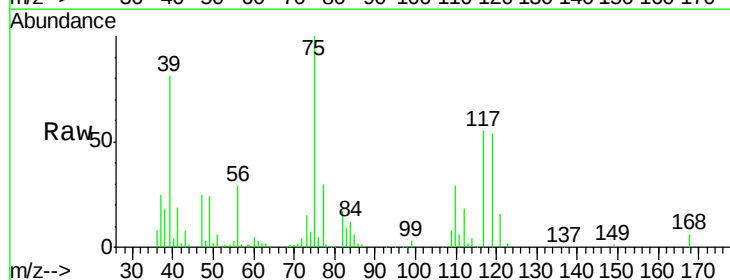
Tgt Ion: 75 Resp: 255217

Ion Ratio Lower Upper

75 100

110 28.8 14.8 44.3

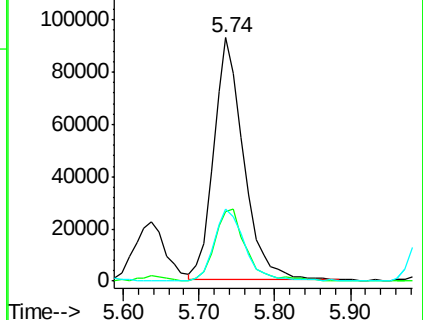
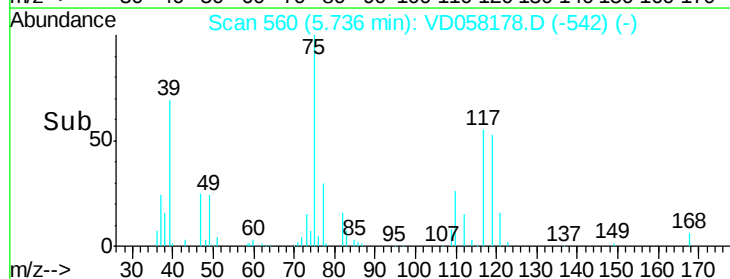
77 29.6 23.9 35.9

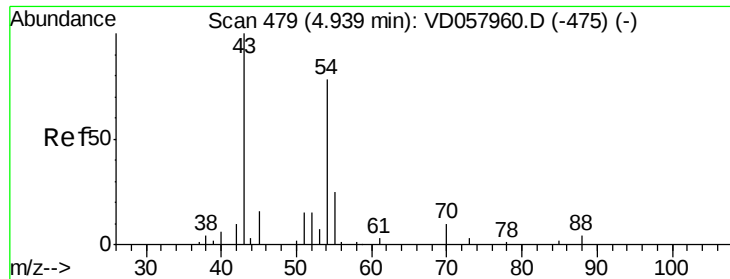


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

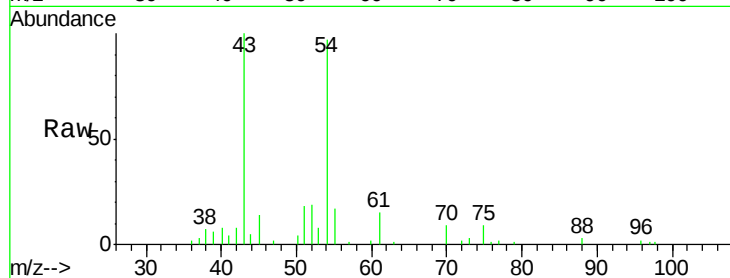




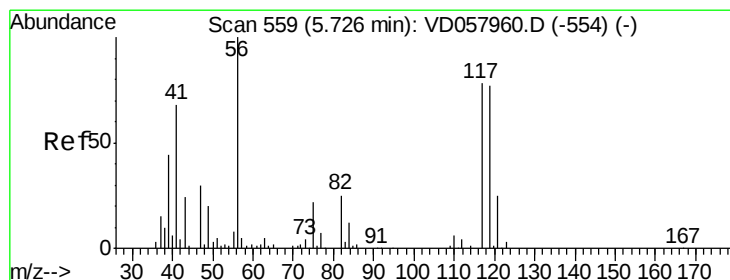
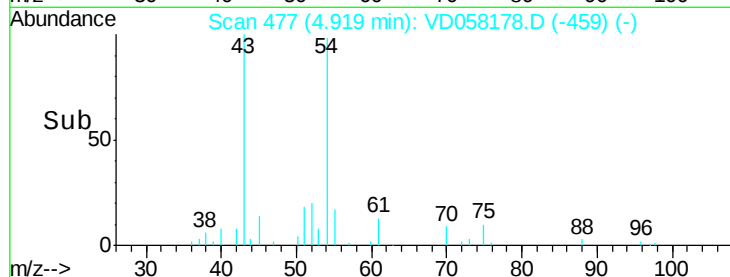
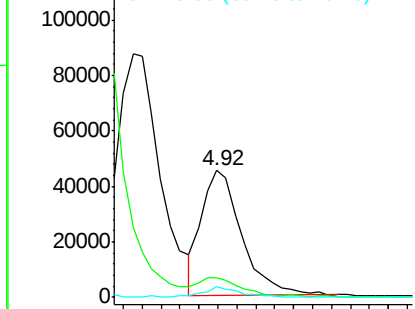
#37
Ethyl Acetate
Concen: 20.065 ug/l
RT: 4.92 min Scan# 477
Delta R.T. -0.02 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 131815
Ion Ratio Lower Upper
43 100
61 15.3 9.9 14.9#
70 8.8 5.7 8.5#

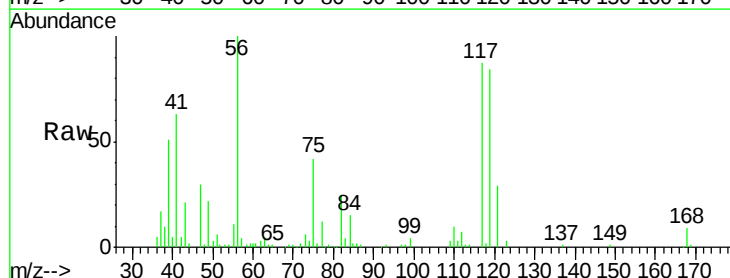


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

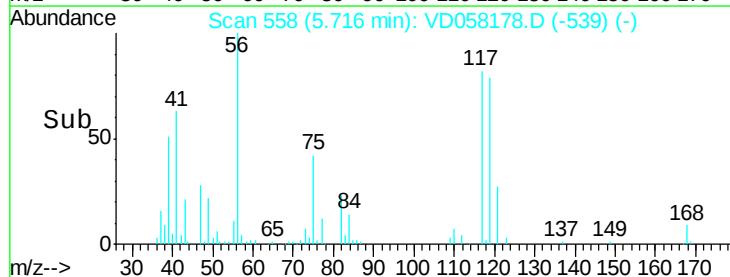
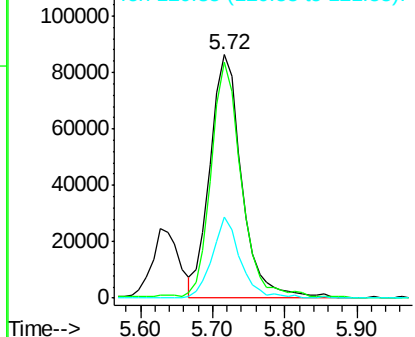


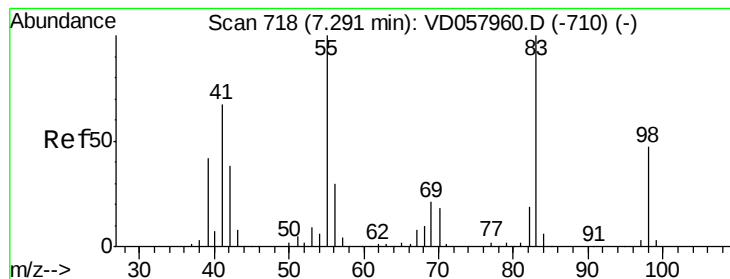
#38
Carbon Tetrachloride
Concen: 21.803 ug/l
RT: 5.72 min Scan# 558
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 117 Resp: 258701
Ion Ratio Lower Upper
117 100
119 96.7 76.1 114.1
121 33.1 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

Methvlcvclohexane

Concen: 21.912 ug/l

RT: 7.28 min Scan# 717

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

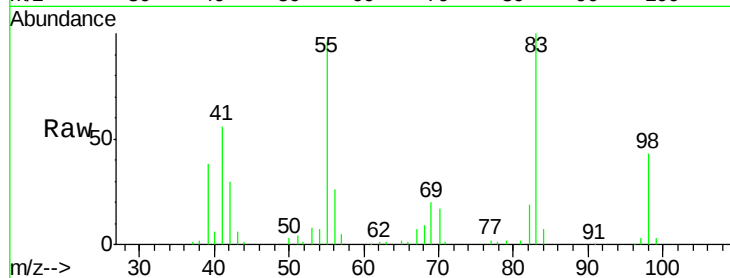
Tot Ion: 83 Resp: 261523

Ion Ratio Lower Upper

83 100

55 96.5 80.3 120.5

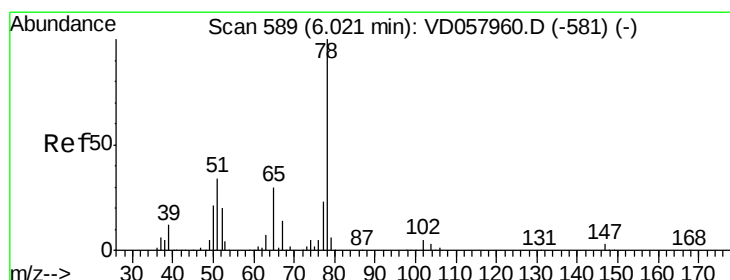
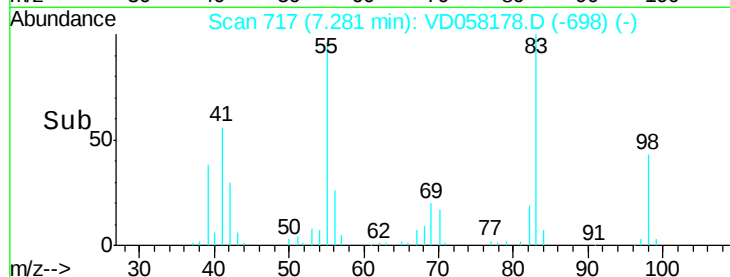
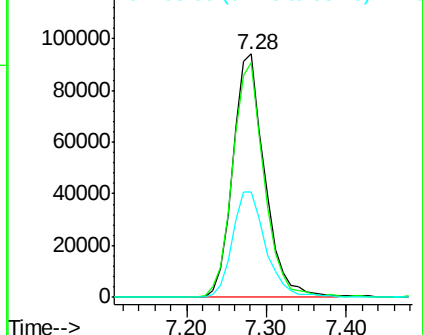
98 43.3 38.0 57.0



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: 21.538 ug/l

RT: 6.01 min Scan# 588

Delta R.T. -0.01 min

Lab File: VD058178.D

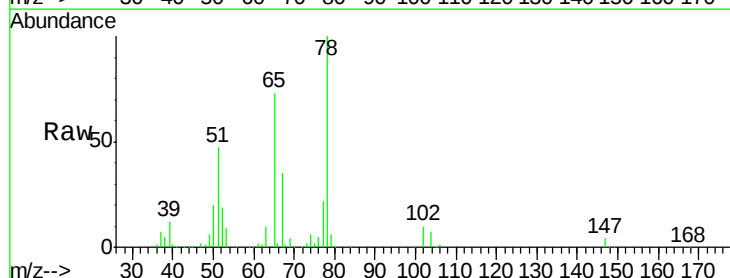
Acq: 18 Jun 2018 13:49

Tgt Ion: 78 Resp: 605753

Ion Ratio Lower Upper

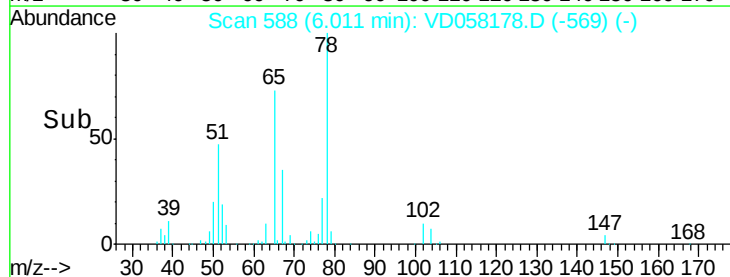
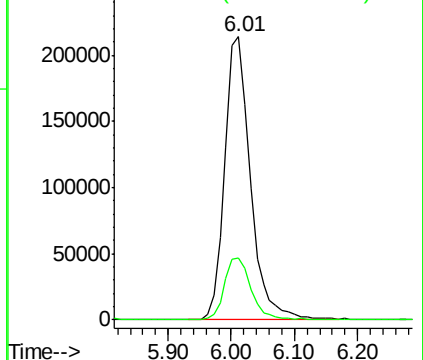
78 100

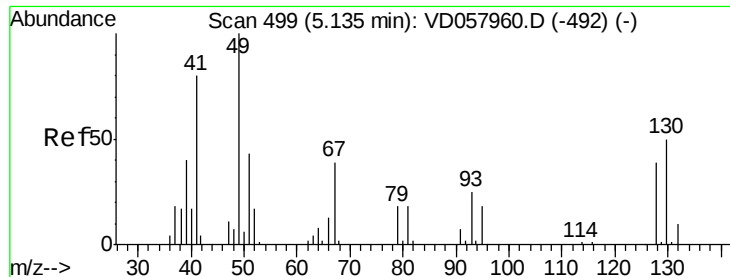
77 21.9 18.1 27.1



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 23.617 ug/l

RT: 5.12 min Scan# 497

Delta R.T. -0.02 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampled :

Tot Ion: 41 Resp: 70941

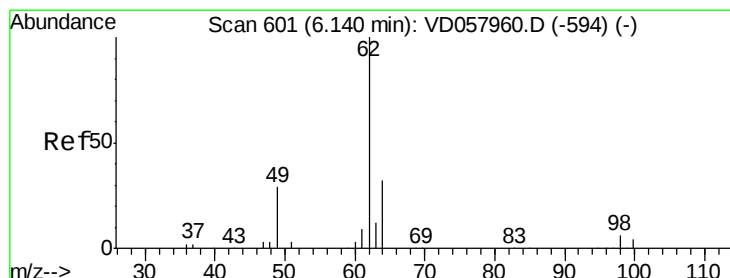
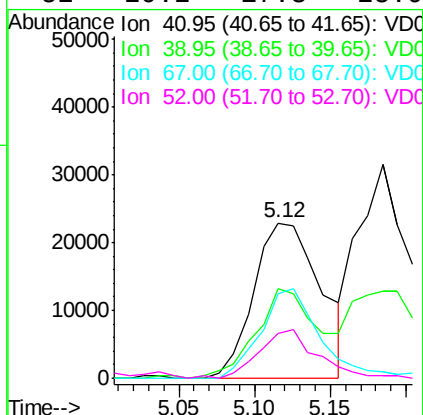
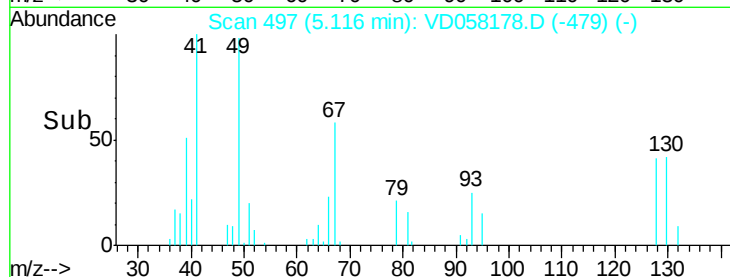
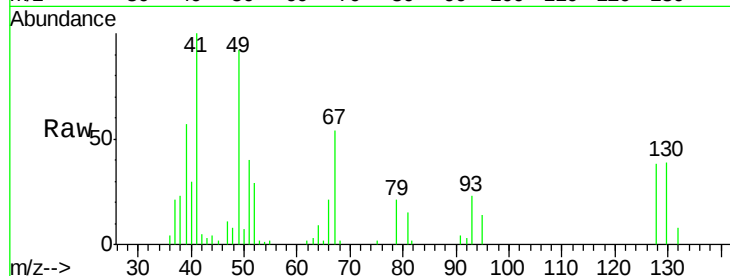
Ion Ratio Lower Upper

41 100

39 57.4 40.7 61.1

67 54.3 38.8 58.2

52 29.2 17.3 25.9#



#42

1,2-Dichloroethane

Concen: 21.166 ug/l

RT: 6.12 min Scan# 599

Delta R.T. -0.02 min

Lab File: VD058178.D

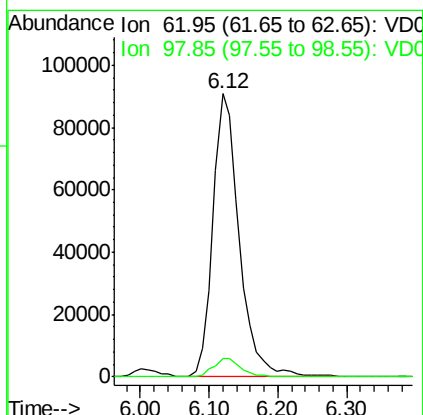
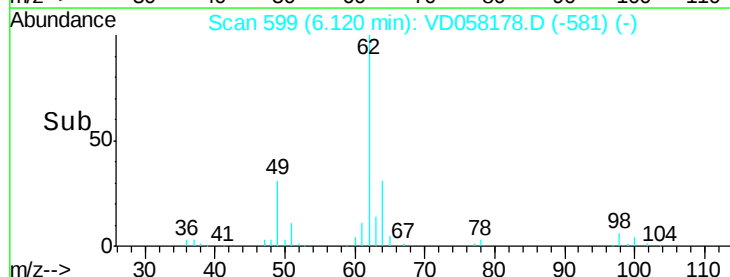
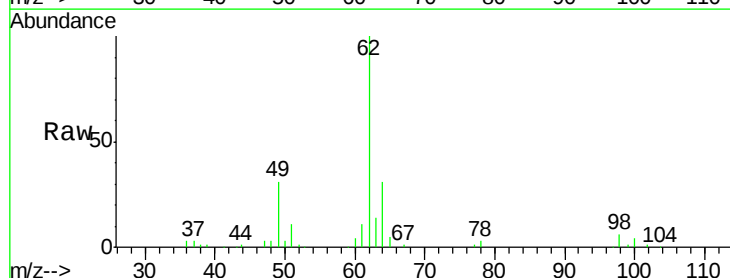
Acq: 18 Jun 2018 13:49

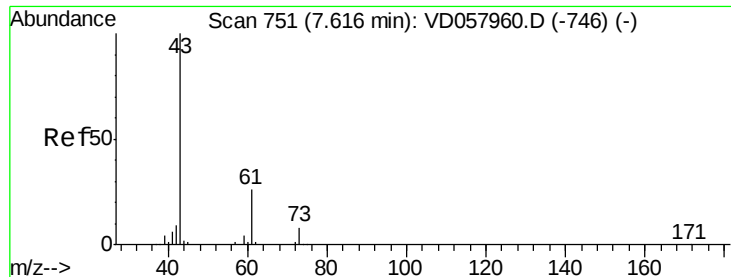
Tgt Ion: 62 Resp: 240691

Ion Ratio Lower Upper

62 100

98 6.5 0.0 12.8



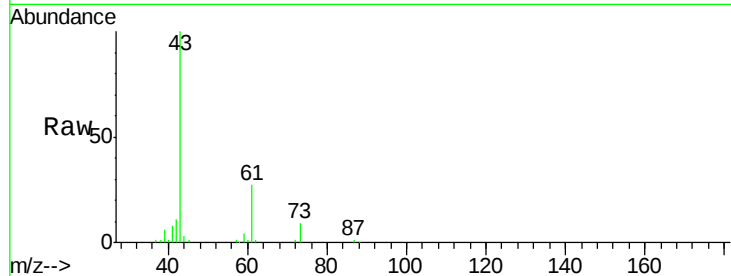


#43

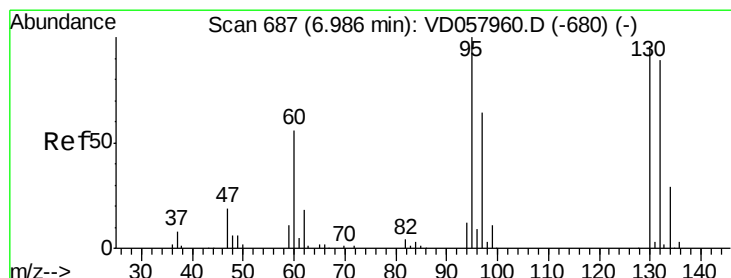
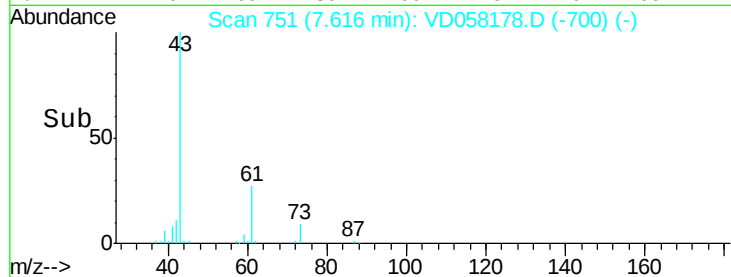
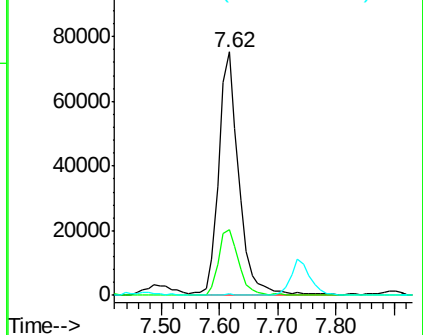
Isopropyl Acetate
 Concen: 21.078 ug/l
 RT: 7.62 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 181371
 Ion Ratio Lower Upper
 43 100
 61 26.9 20.6 30.8
 87 0.5 0.2 0.4#



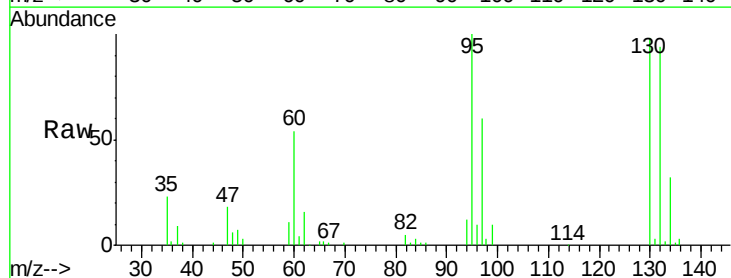
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



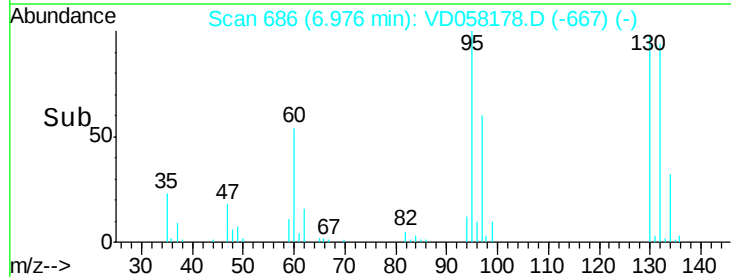
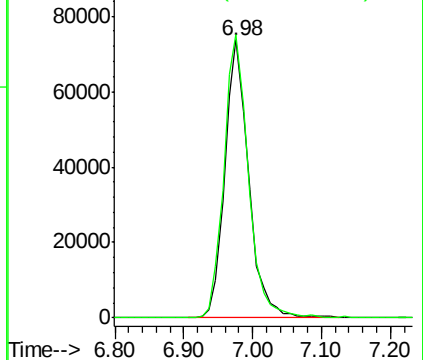
#44

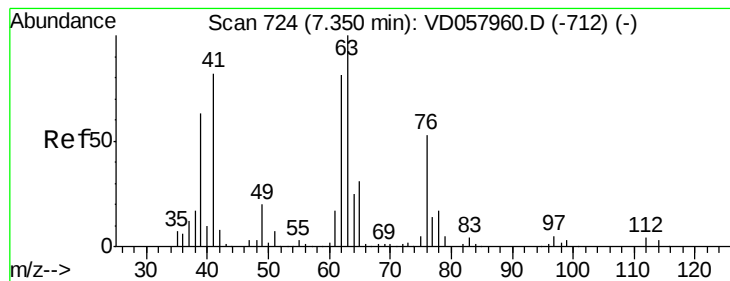
Trichloroethene
 Concen: 21.440 ug/l
 RT: 6.98 min Scan# 686
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion:130 Resp: 176132
 Ion Ratio Lower Upper
 130 100
 95 101.8 0.0 207.4



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





#45

1,2-Dichloropropane

Concen: 20.649 ug/l

RT: 7.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

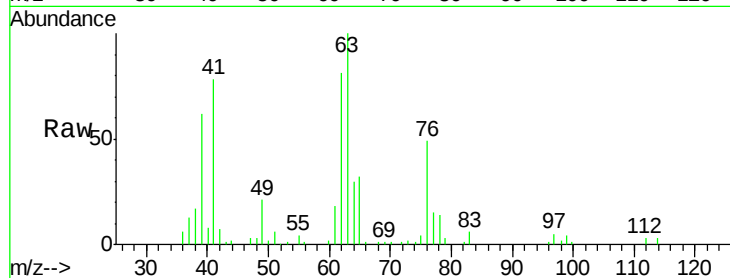
ClientSampleId :

Tot Ion: 63 Resp: 161410

Ion Ratio Lower Upper

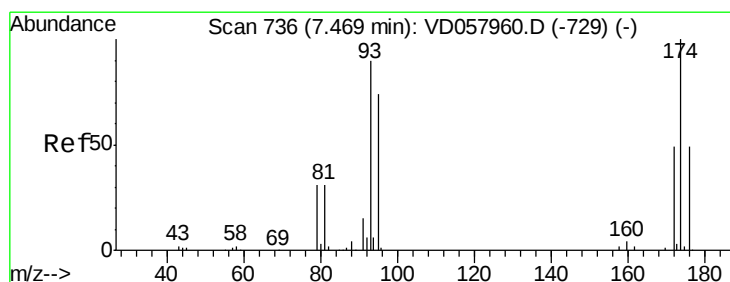
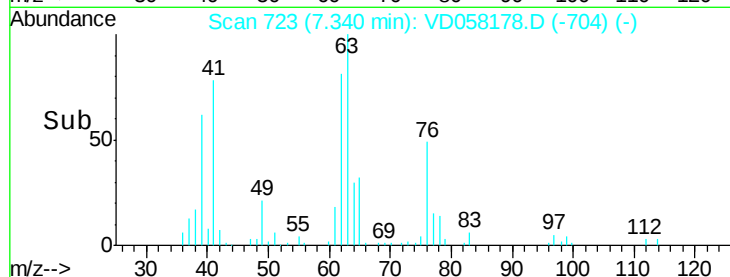
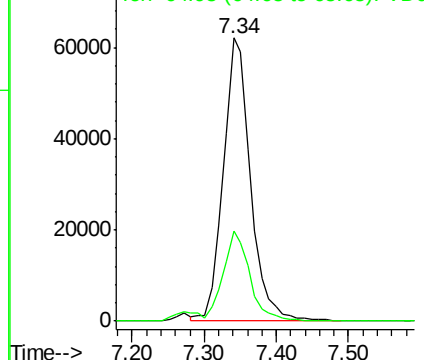
63 100

65 32.0 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 22.298 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

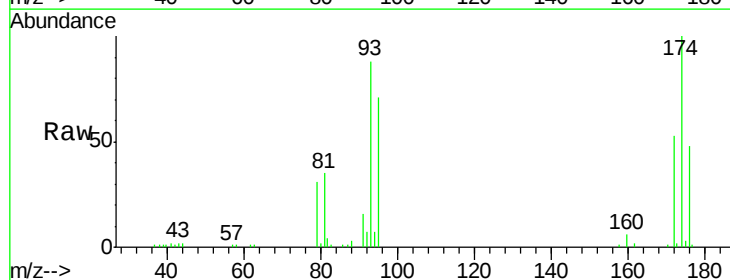
Tgt Ion: 93 Resp: 111970

Ion Ratio Lower Upper

93 100

95 80.5 65.7 98.5

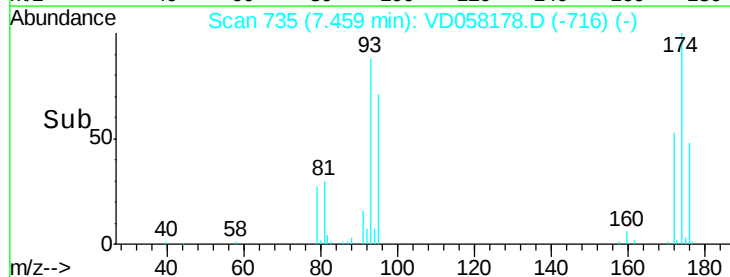
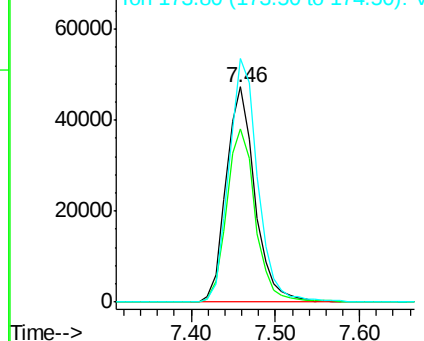
174 113.3 89.0 133.4

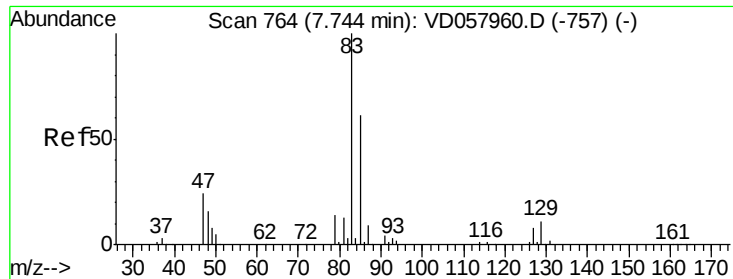


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 21.985 ug/l

RT: 7.73 min Scan# 763

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

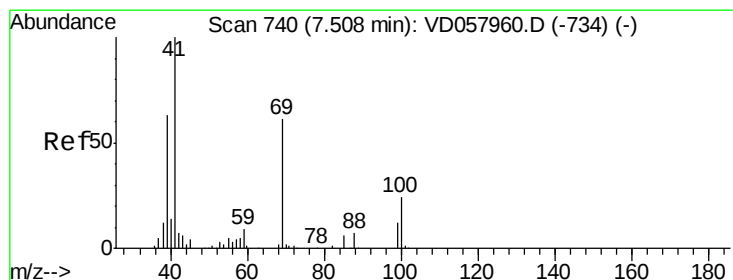
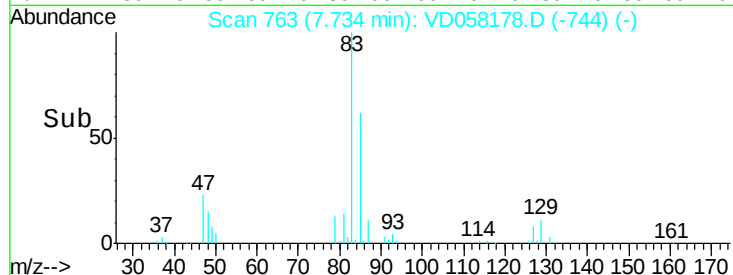
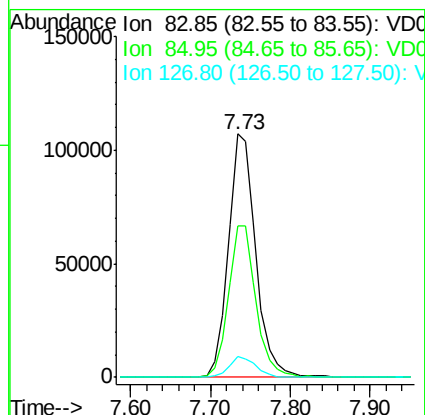
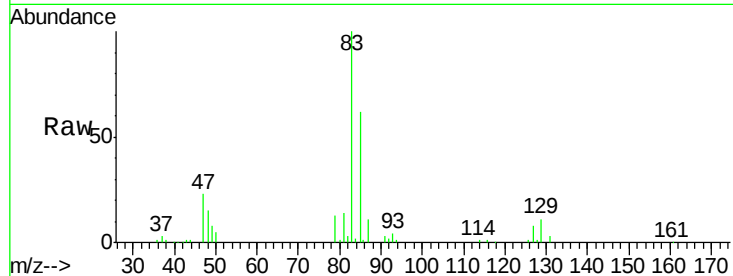
Tot Ion: 83 Resp: 258491

Ion Ratio Lower Upper

83 100

85 62.1 49.1 73.7

127 8.4 6.2 9.2



#48

Methyl methacrylate

Concen: 20.377 ug/l

RT: 7.51 min Scan# 740

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

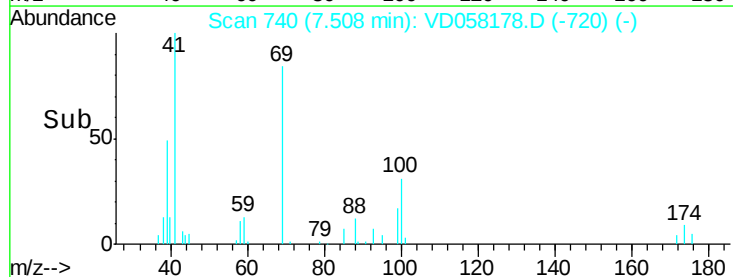
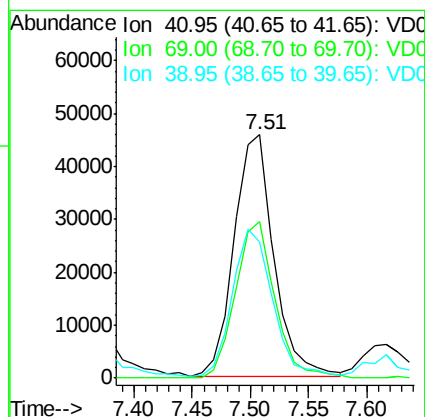
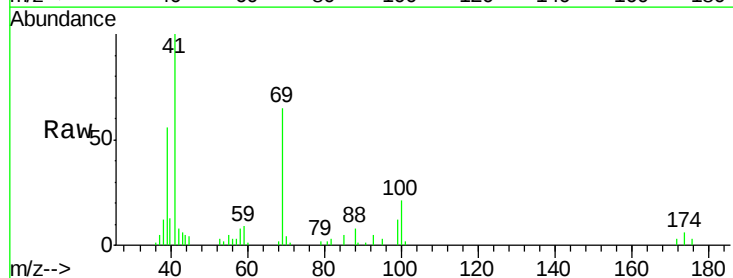
Tgt Ion: 41 Resp: 107919

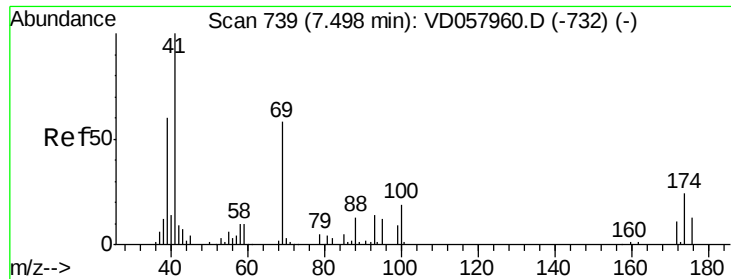
Ion Ratio Lower Upper

41 100

69 64.6 48.0 72.0

39 55.8 50.7 76.1





#49

1,4-Dioxane

Concen: 499.076 ug/l

RT: 7.50 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

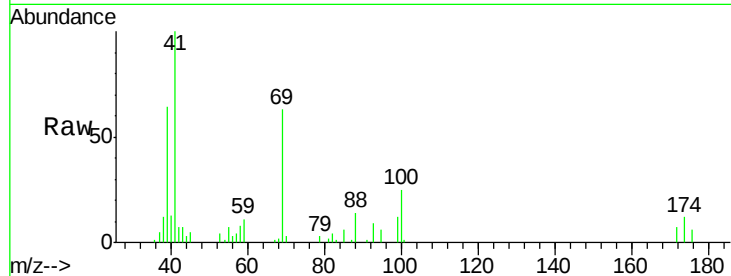
Tot Ion: 88 Resp: 21897

Ion Ratio Lower Upper

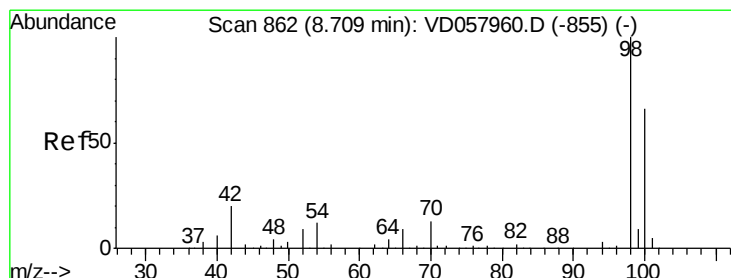
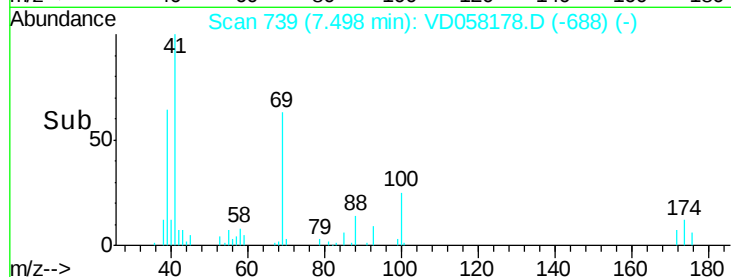
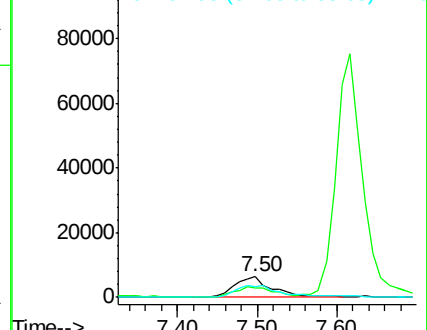
88 100

43 48.6 46.6 69.8

58 53.9 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: 499.076 ug/l

RT: 8.71 min Scan# 862

Delta R.T. -0.00 min

Lab File: VD058178.D

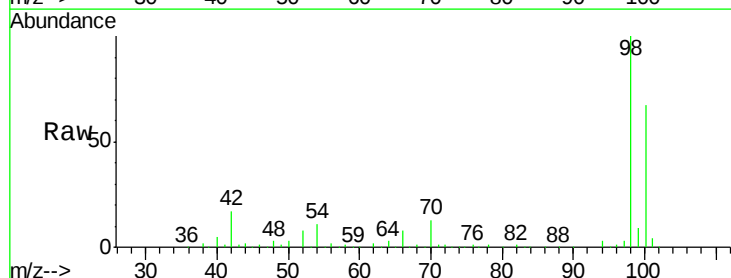
Acq: 18 Jun 2018 13:49

Tgt Ion: 98 Resp: 964521

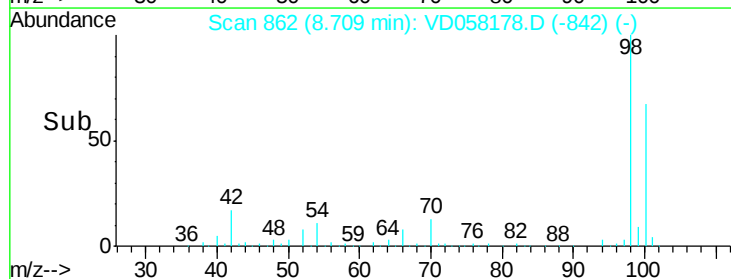
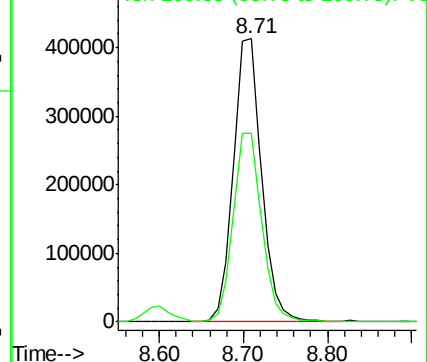
Ion Ratio Lower Upper

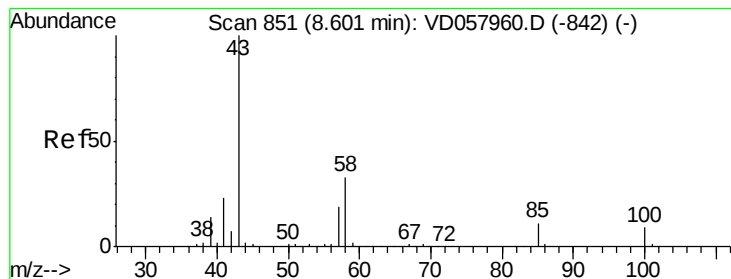
98 100

100 66.9 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 109.939 ug/l

RT: 8.59 min Scan# 850

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

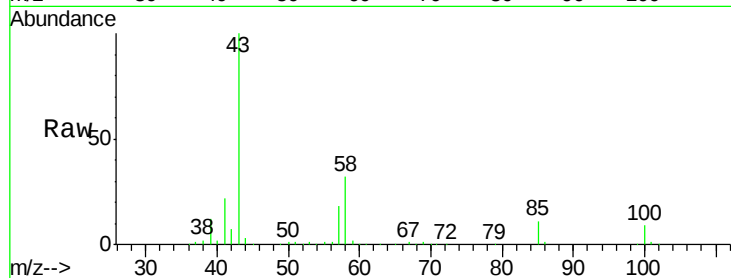
ClientSampleId :

Tot Ion: 43 Resp: 606781

Ion Ratio Lower Upper

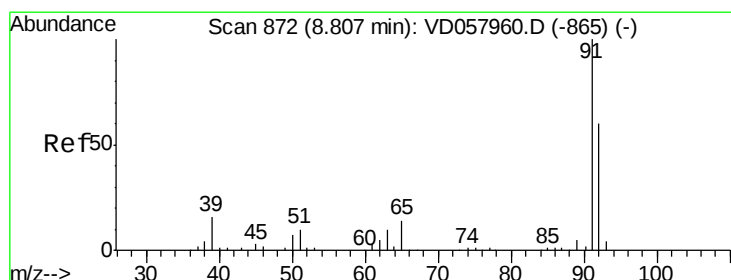
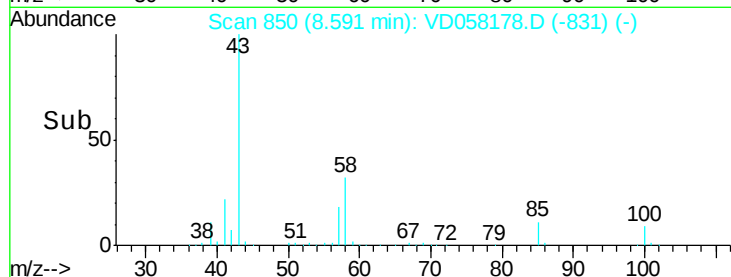
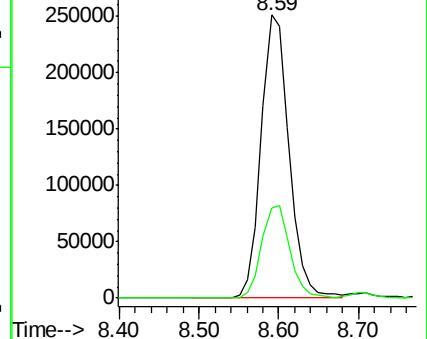
43 100

58 32.0 26.2 39.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.330 ug/l

RT: 8.80 min Scan# 871

Delta R.T. -0.01 min

Lab File: VD058178.D

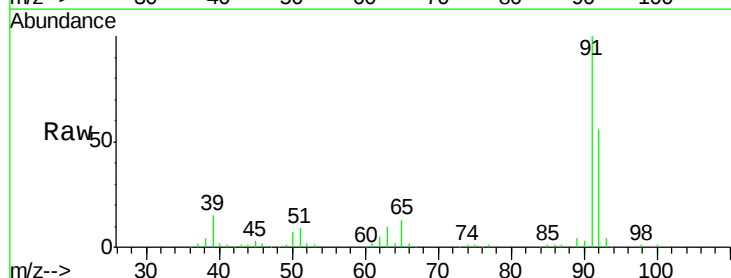
Acq: 18 Jun 2018 13:49

Tgt Ion: 92 Resp: 344301

Ion Ratio Lower Upper

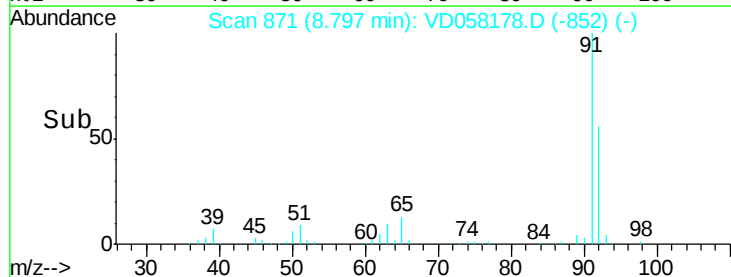
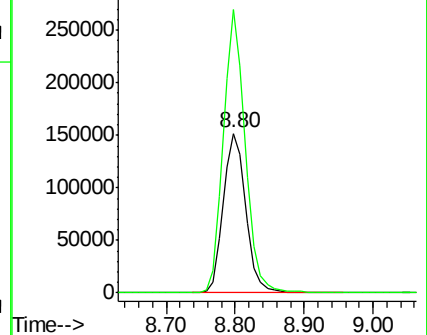
92 100

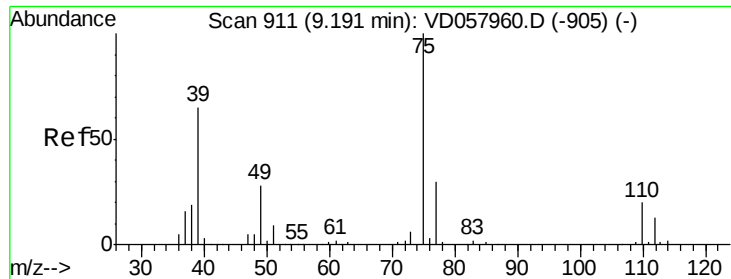
91 177.1 133.0 199.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

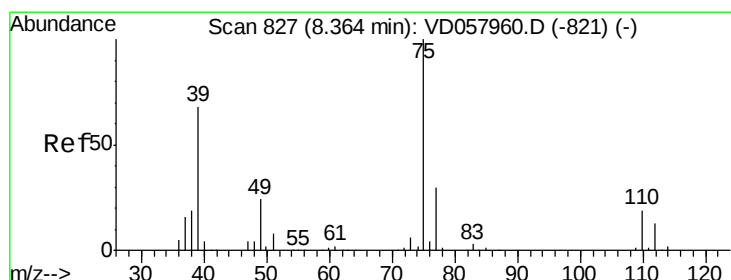
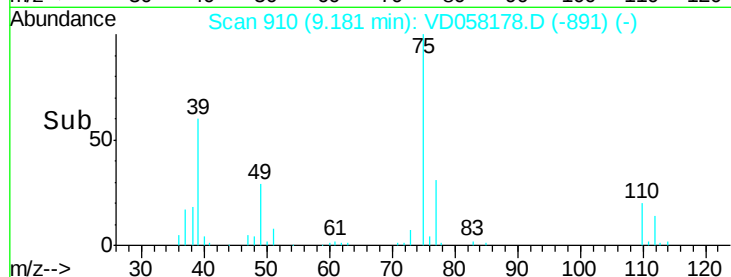
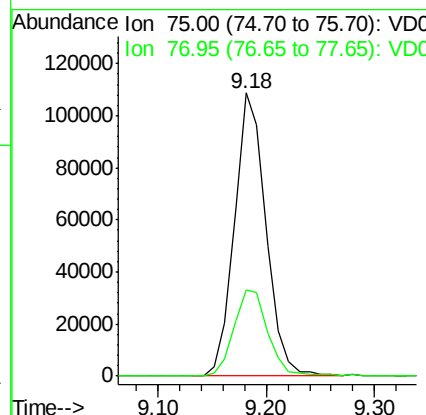
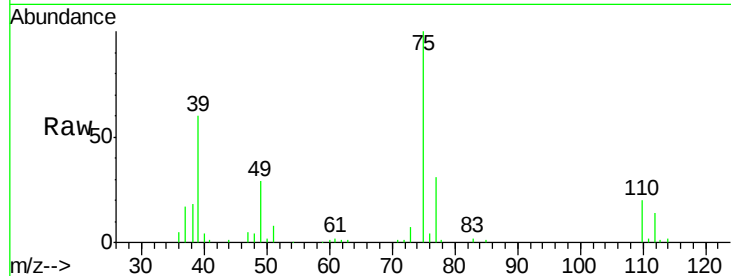




#53
 t-1,3-Dichloropropene
 Concen: 21.607 ug/l
 RT: 9.18 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

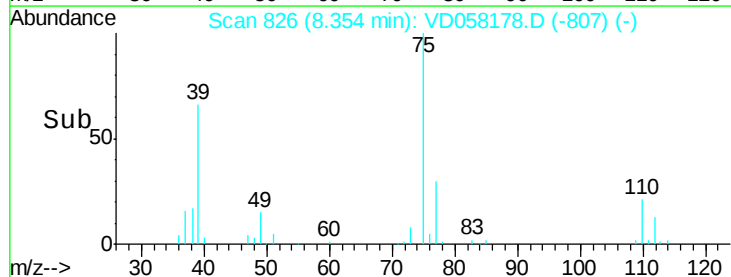
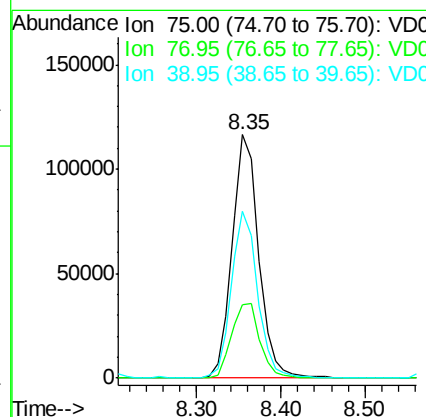
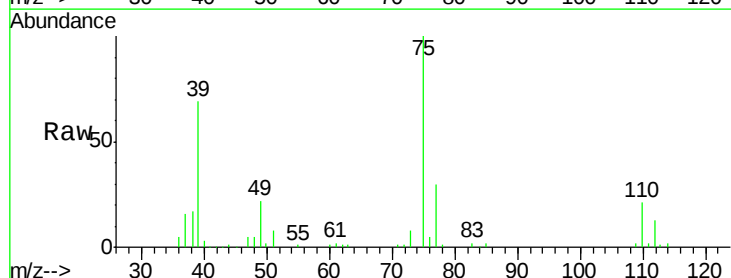
Instrument :
 MSVOA_D
 ClientSampleId :

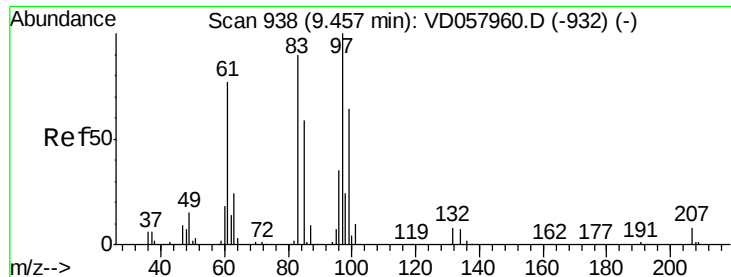
Tot Ion: 75 Resp: 218870
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 21.402 ug/l
 RT: 8.35 min Scan# 826
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion: 75 Resp: 255412
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.1 36.1
 39 68.6 54.0 81.0





#55

1,1,2-Trichloroethane

Concen: 22.819 ug/l

RT: 9.45 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 119206

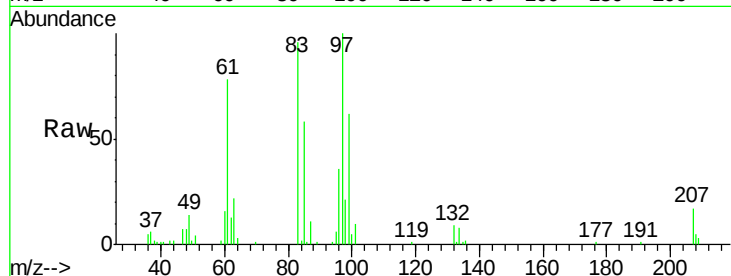
Ion Ratio Lower Upper

97 100

83 95.9 71.8 107.8

85 57.6 47.2 70.8

99 62.3 51.4 77.0

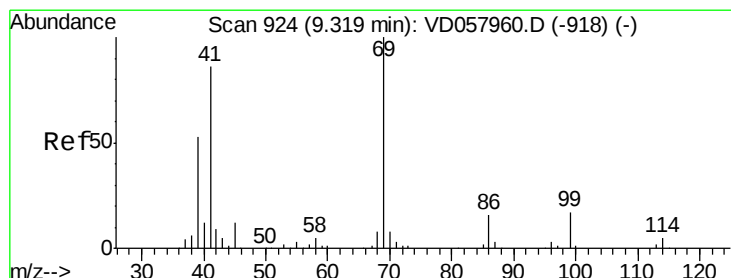
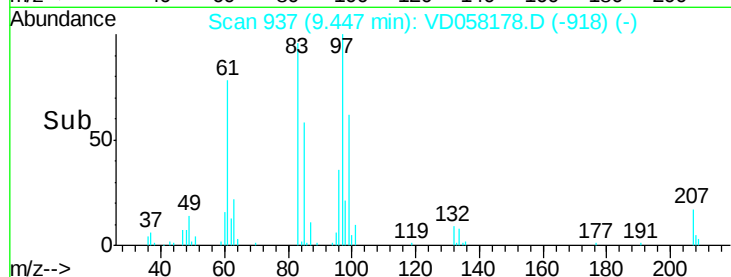
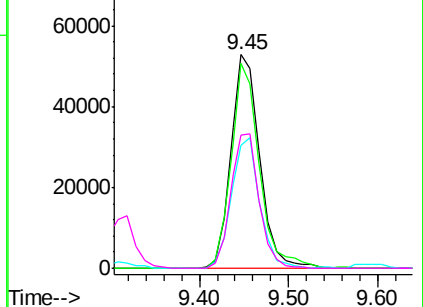


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 21.774 ug/l

RT: 9.31 min Scan# 923

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

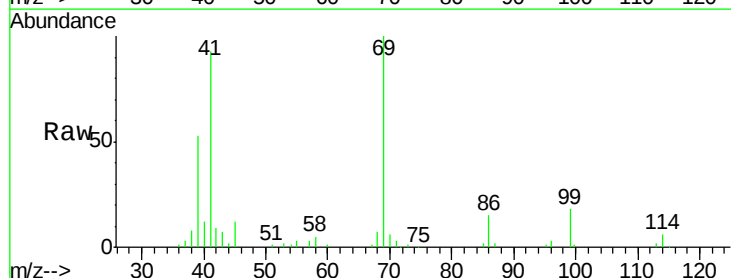
Tgt Ion: 69 Resp: 139533

Ion Ratio Lower Upper

69 100

41 93.1 68.4 102.6

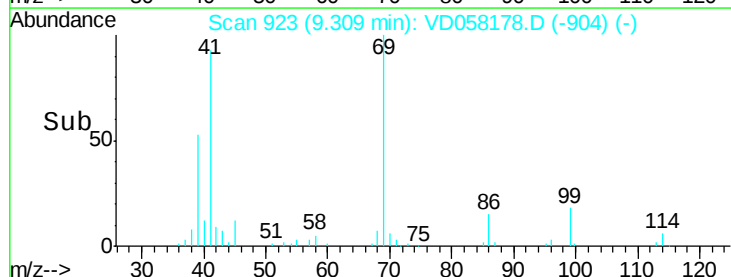
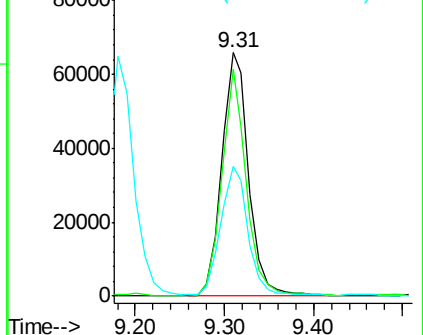
39 53.0 43.0 64.4

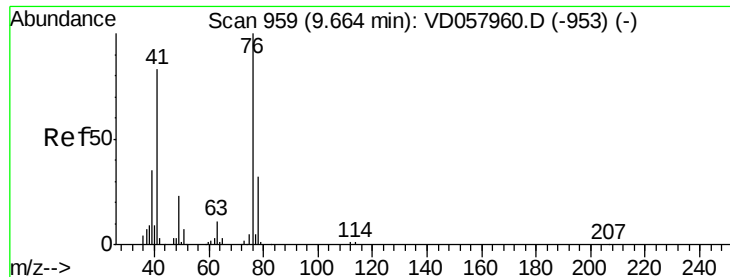


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 22.296 ug/l

RT: 9.66 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

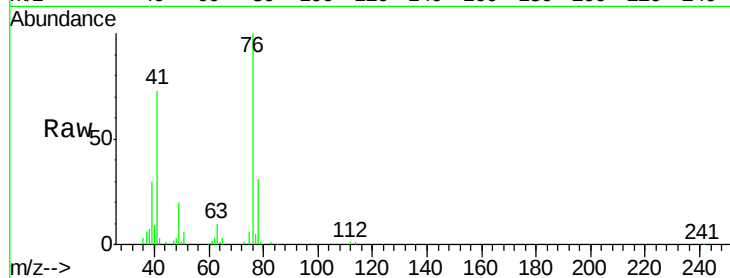
ClientSampleId :

Tot Ion: 76 Resp: 204284

Ion Ratio Lower Upper

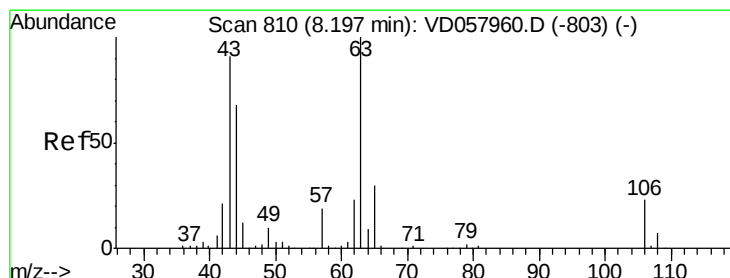
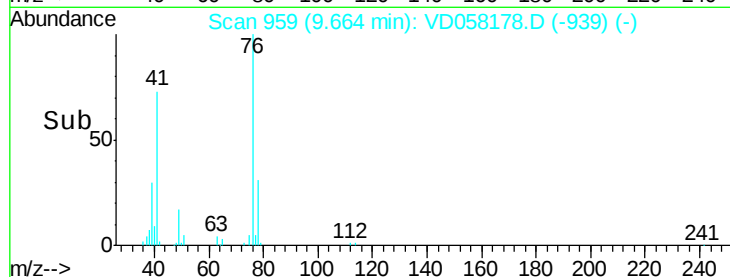
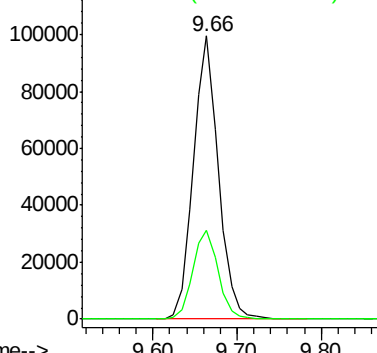
76 100

78 31.5 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: 113.133 ug/l

RT: 8.19 min Scan# 809

Delta R.T. -0.01 min

Lab File: VD058178.D

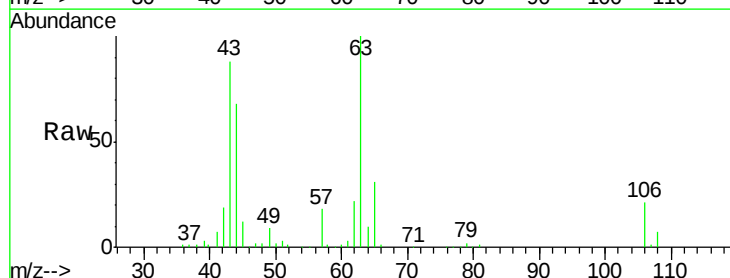
Acq: 18 Jun 2018 13:49

Tgt Ion: 63 Resp: 366273

Ion Ratio Lower Upper

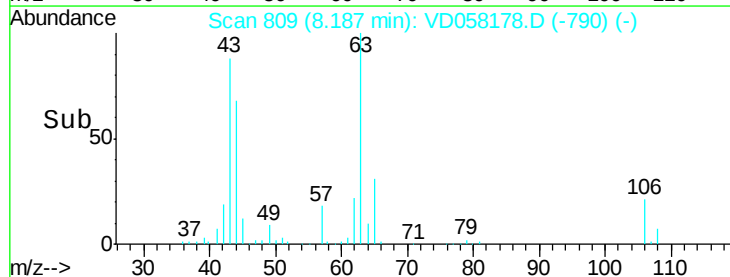
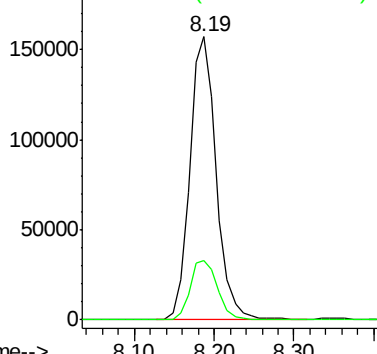
63 100

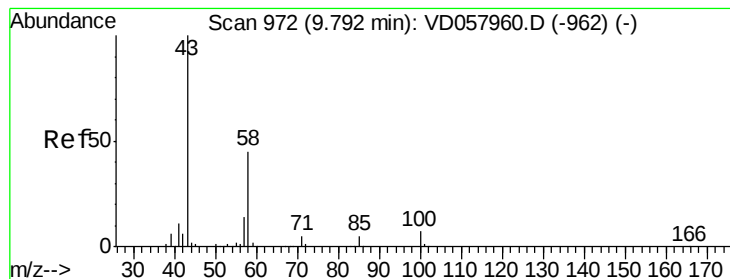
106 20.9 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V





#59

2-Hexanone

Concen: 108.837 ug/l

RT: 9.78 min Scan# 971

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

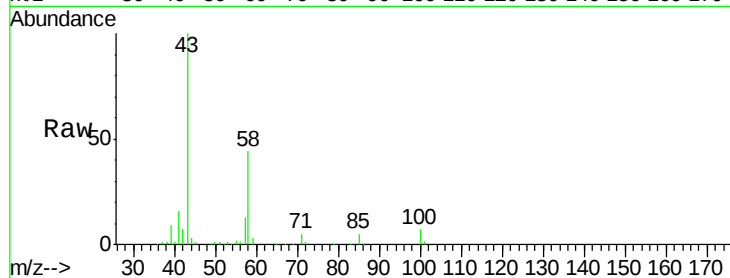
ClientSampled :

Tot Ion: 43 Resp: 440213

Ion Ratio Lower Upper

43 100

58 44.1 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

200000

150000

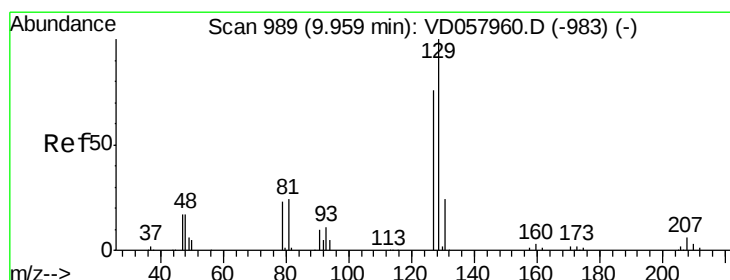
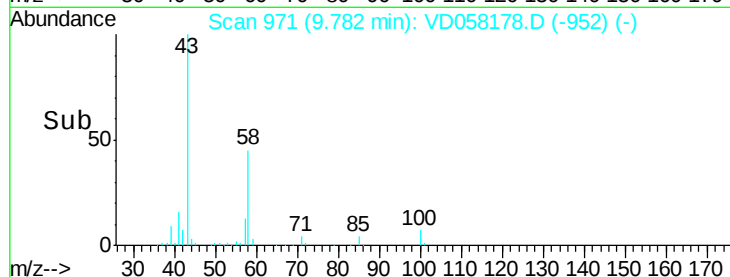
100000

50000

0

Time-->

9.70 9.80 9.90



#60

Dibromochloromethane

Concen: 22.031 ug/l

RT: 9.96 min Scan# 989

Delta R.T. -0.00 min

Lab File: VD058178.D

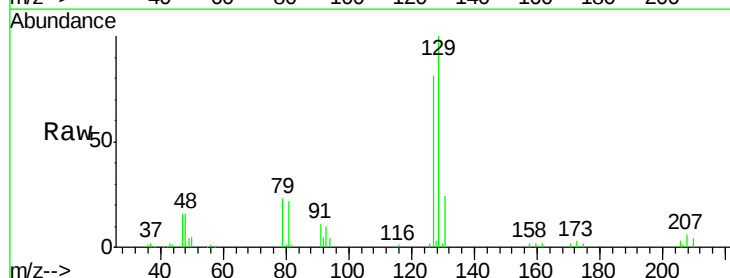
Acq: 18 Jun 2018 13:49

Tgt Ion:129 Resp: 162298

Ion Ratio Lower Upper

129 100

127 81.3 38.3 114.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.96

80000

60000

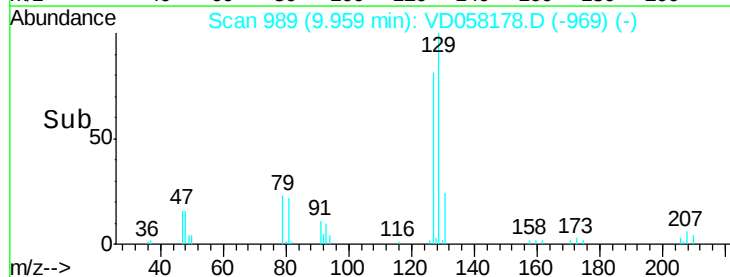
40000

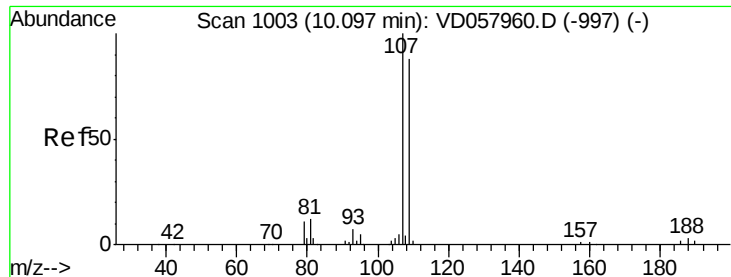
20000

0

Time-->

9.90 10.00 10.10





#61

1,2-Dibromoethane

Concen: 21.685 ug/l

RT: 10.09 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

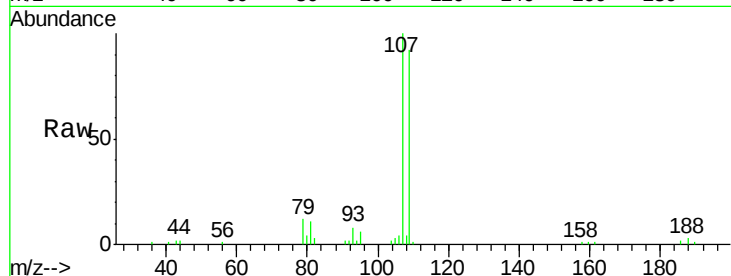
ClientSampleId :

Tot Ion:107 Resp: 130277

Ion Ratio Lower Upper

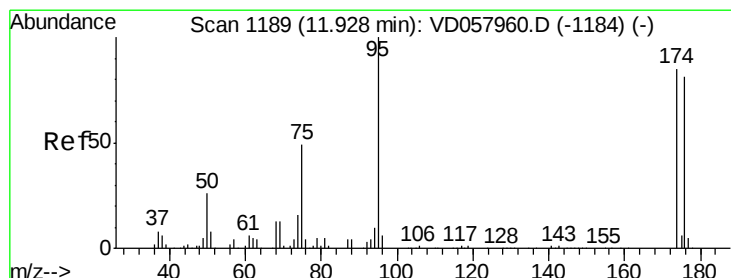
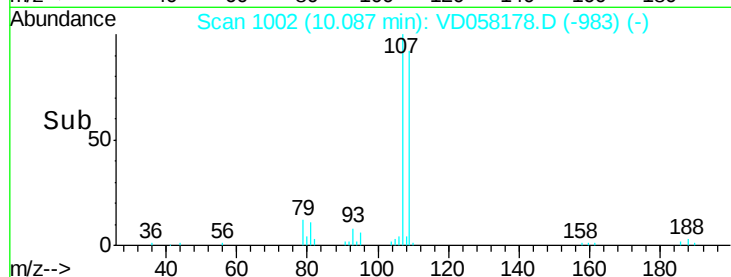
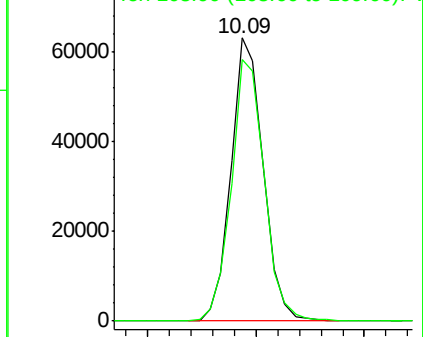
107 100

109 92.4 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: 21.685 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

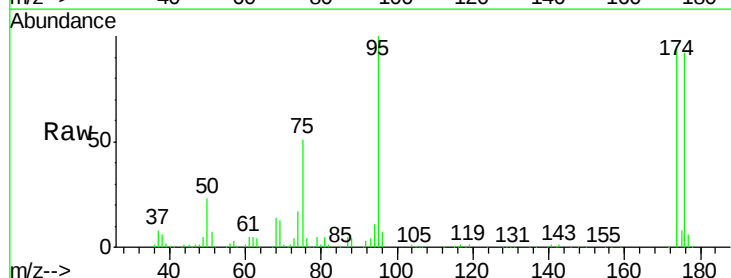
Tgt Ion: 95 Resp: 412971

Ion Ratio Lower Upper

95 100

174 95.2 0.0 169.4

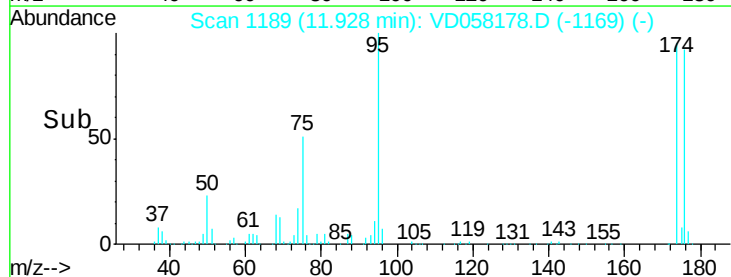
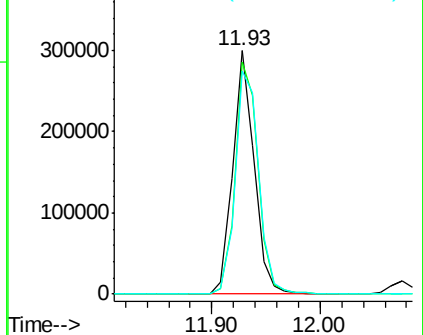
176 91.6 0.0 162.6

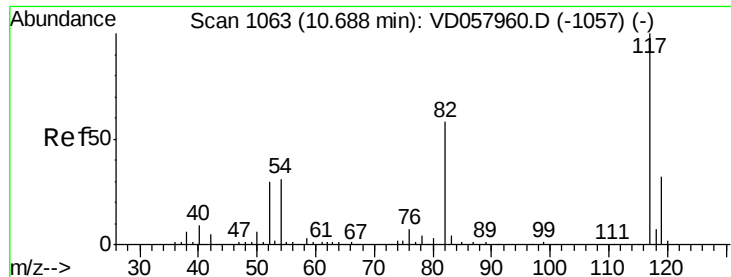


Abundance Ion 95.00 (94.70 to 95.70): V

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: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

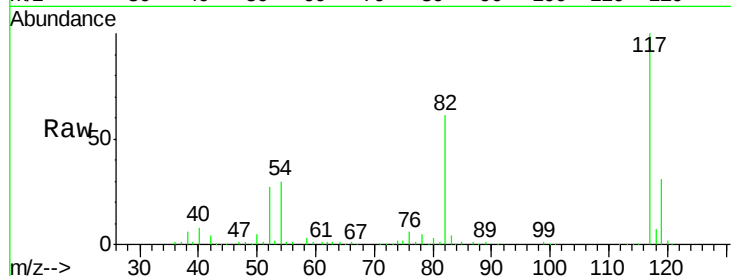
Tot Ion:117 Resp: 891668

Ion Ratio Lower Upper

117 100

82 60.7 46.8 70.2

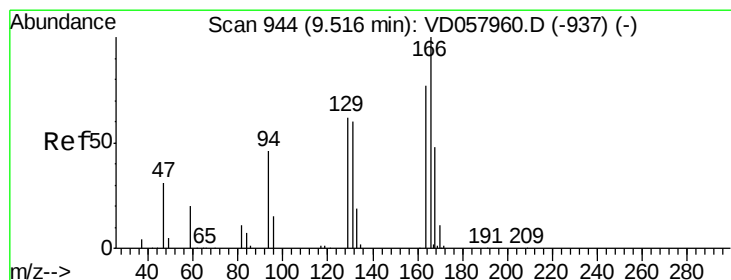
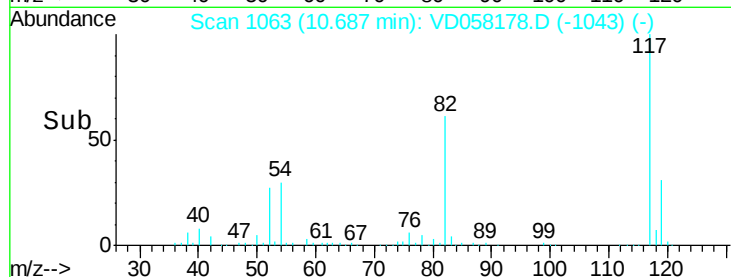
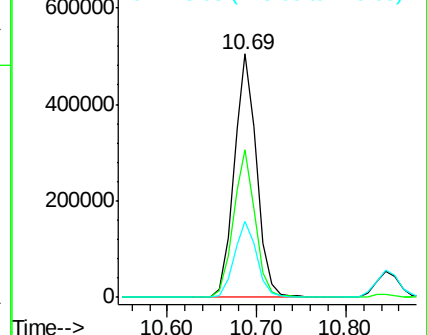
119 30.9 25.8 38.6



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: 21.840 ug/l

RT: 9.51 min Scan# 943

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Tgt Ion:164 Resp: 174096

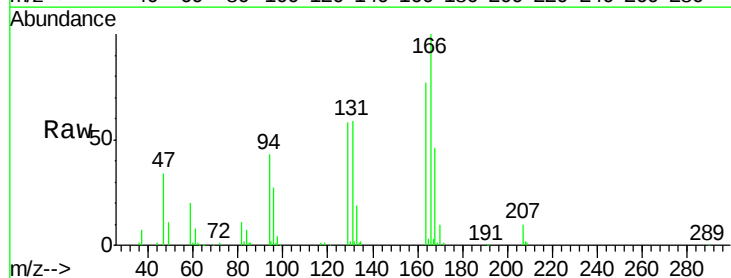
Ion Ratio Lower Upper

164 100

166 129.6 104.4 156.6

129 74.7 65.0 97.6

131 76.1 62.9 94.3

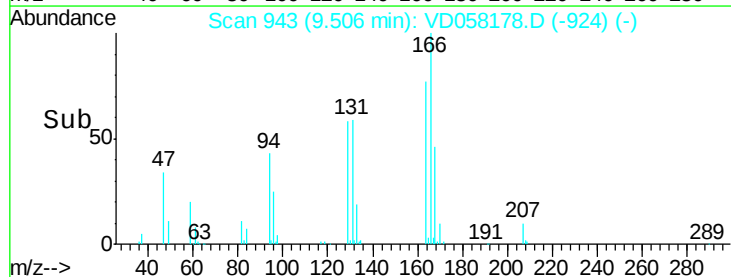
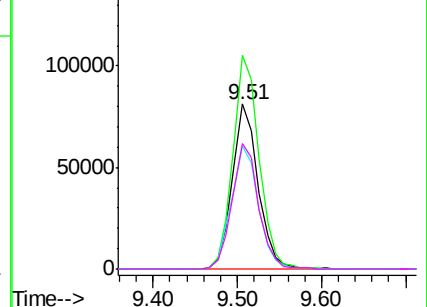


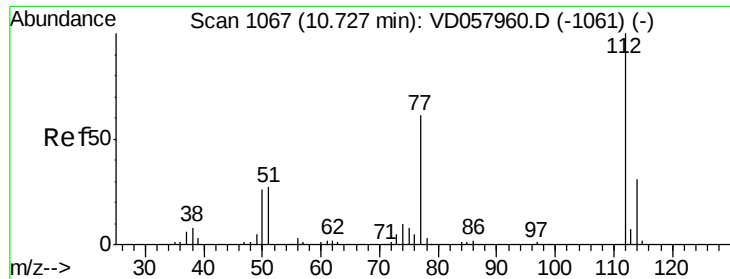
Abundance Ion 163.85 (163.55 to 164.55): V

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

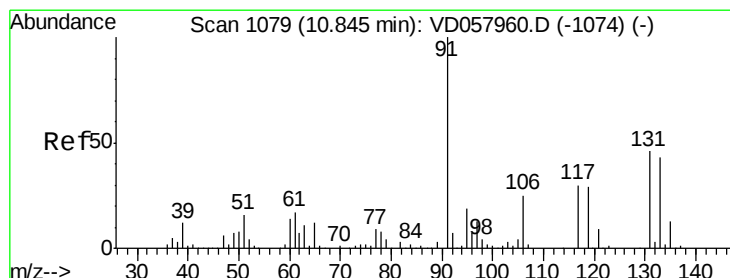
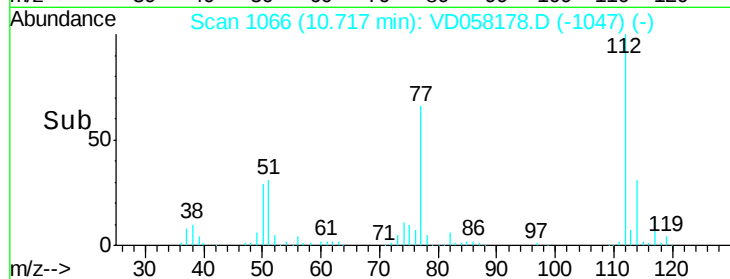
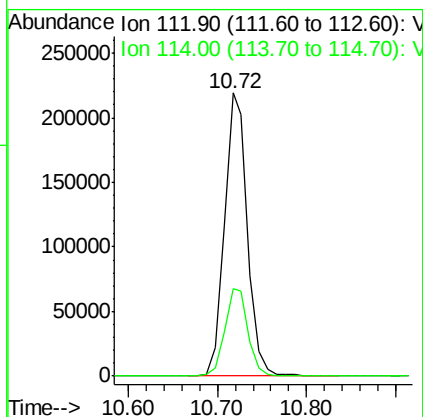
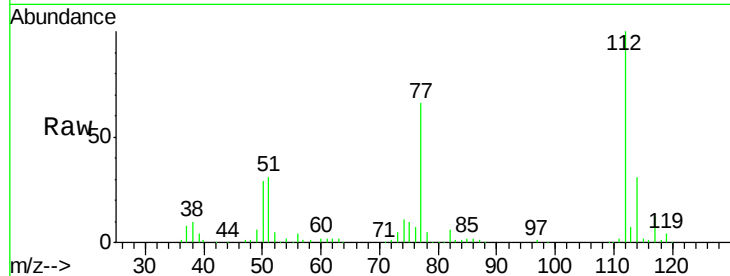




#65
Chlorobenzene
Concen: 21.915 ug/l
RT: 10.72 min Scan# 1066
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

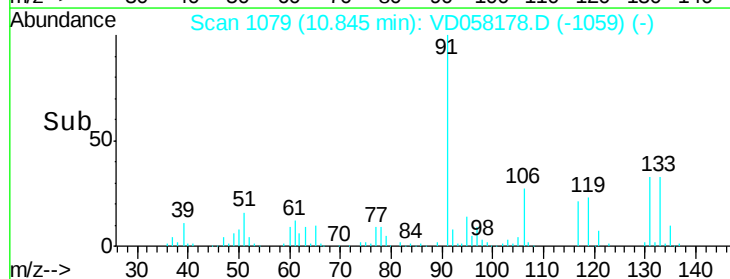
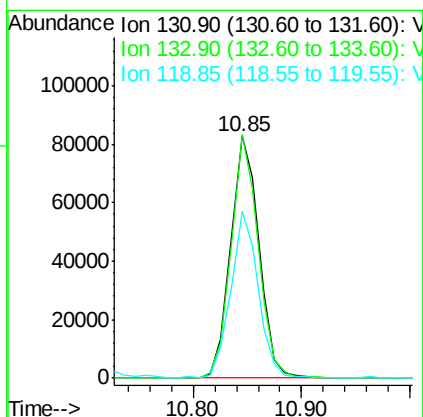
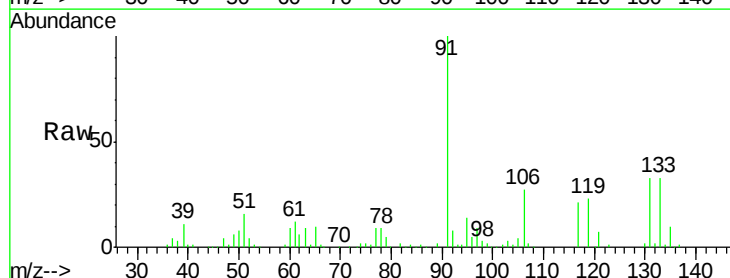
Instrument :
MSVOA_D
ClientSampleId :

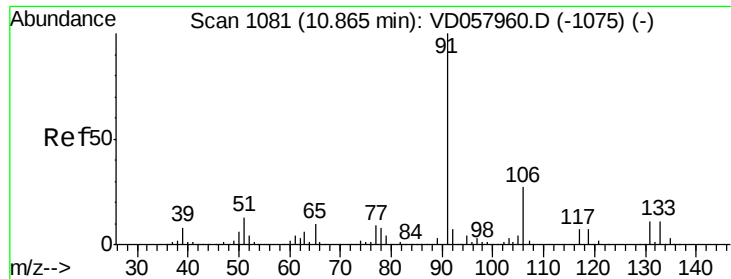
Tot Ion:112 Resp: 395597
Ion Ratio Lower Upper
112 100
114 31.0 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.651 ug/l
RT: 10.85 min Scan# 1079
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion:131 Resp: 150157
Ion Ratio Lower Upper
131 100
133 100.5 46.9 140.6
119 68.8 31.8 95.3

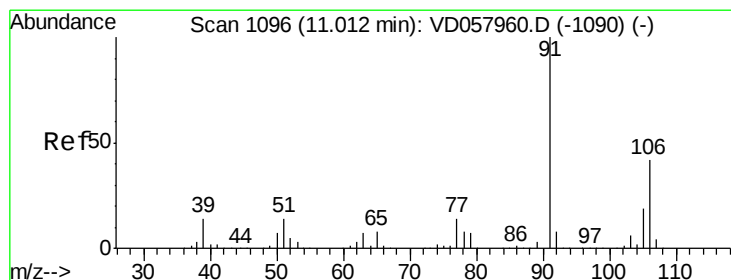
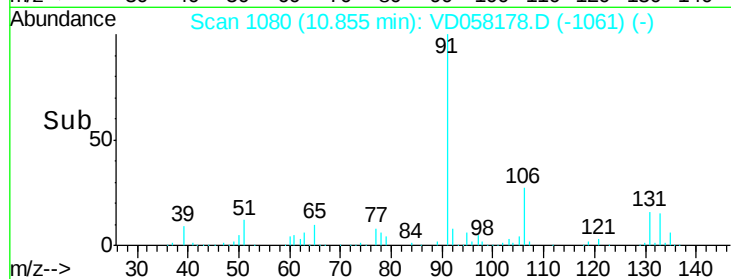
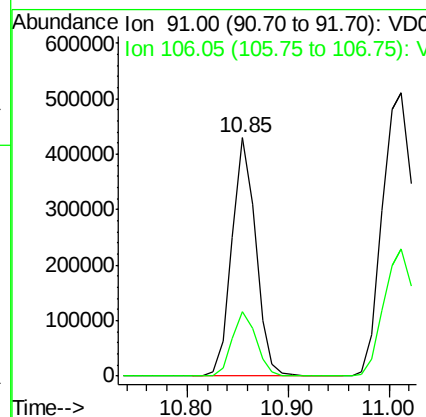
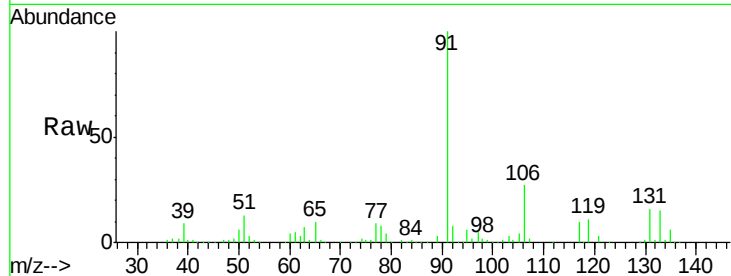




#67
Ethyl Benzene
Concen: 21.724 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

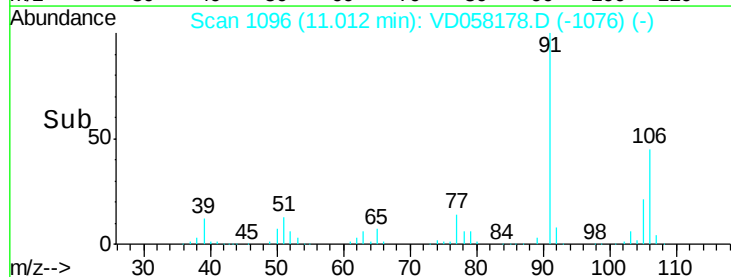
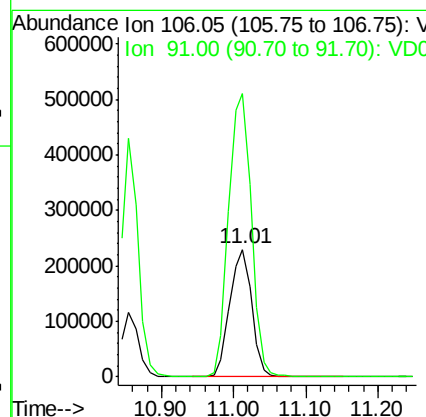
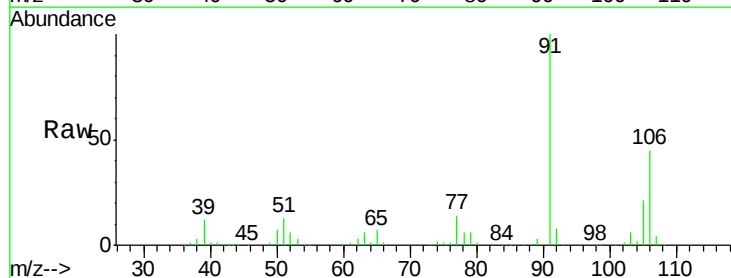
Instrument :
MSVOA_D
ClientSampled :

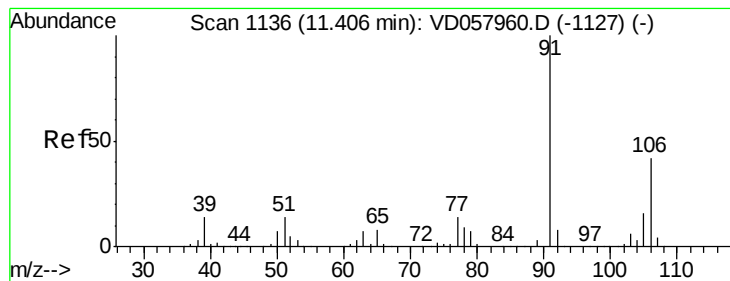
Tot Ion: 91 Resp: 708452
Ion Ratio Lower Upper
91 100
106 27.2 21.5 32.3



#68
m/p-Xylenes
Concen: 45.906 ug/l
RT: 11.01 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 106 Resp: 488044
Ion Ratio Lower Upper
106 100
91 222.2 190.4 285.6





#69

o-Xylene

Concen: 20.698 ug/l

RT: 11.41 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

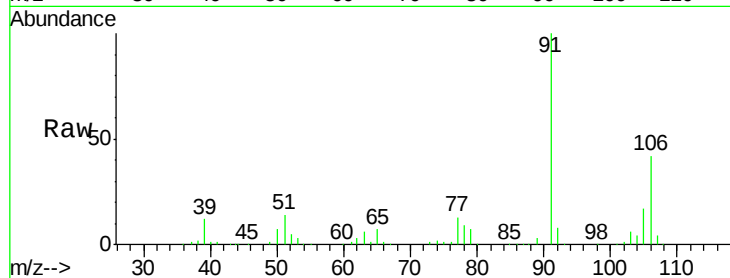
ClientSampled :

Tot Ion:106 Resp: 218418

Ion Ratio Lower Upper

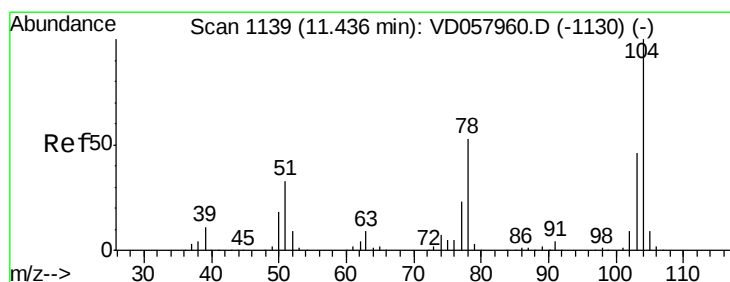
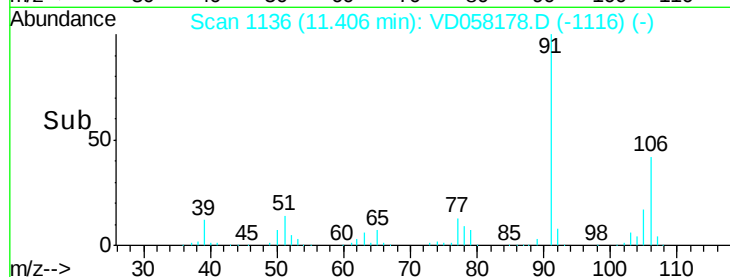
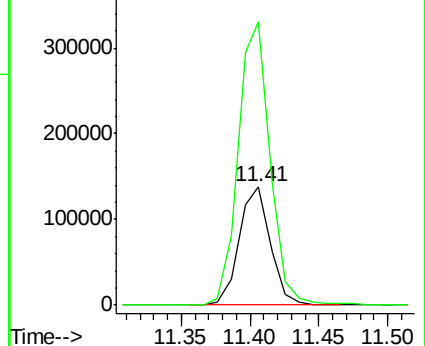
106 100

91 239.3 120.6 361.7



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V



#70

Styrene

Concen: 22.093 ug/l

RT: 11.43 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

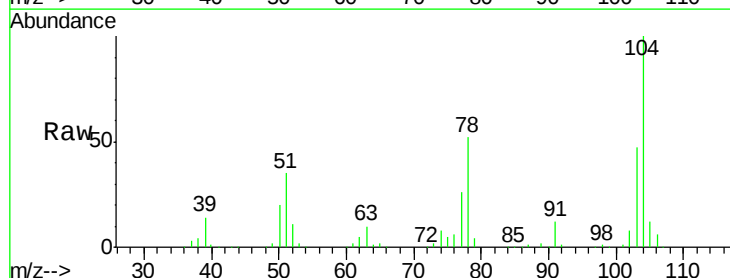
Tgt Ion:104 Resp: 385950

Ion Ratio Lower Upper

104 100

78 52.0 42.1 63.1

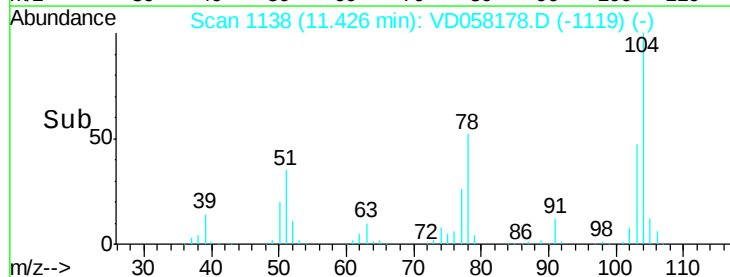
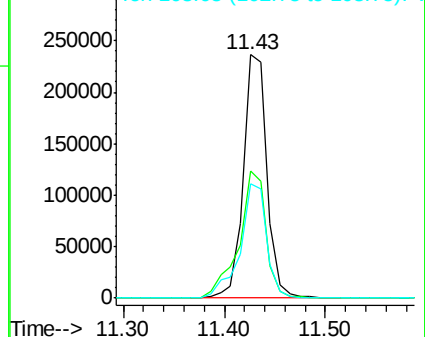
103 46.7 37.0 55.6

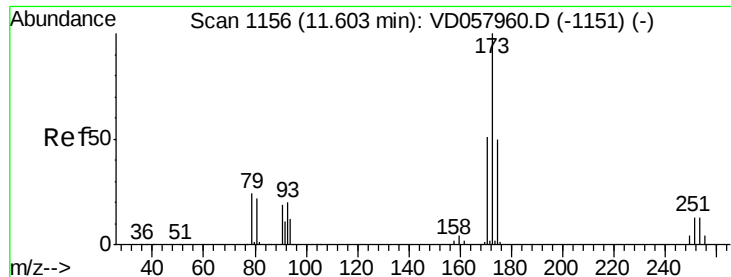


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V

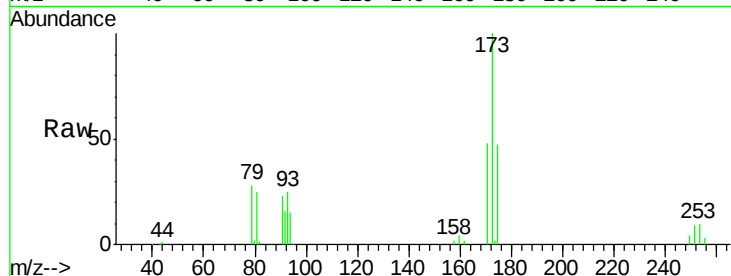




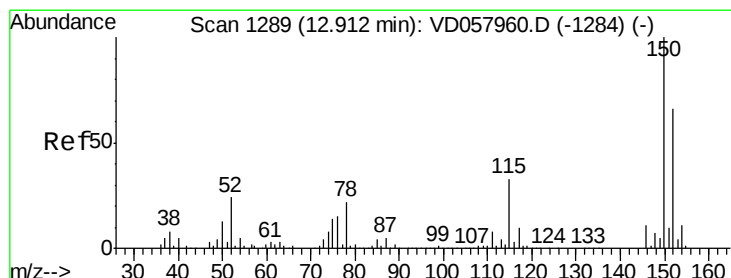
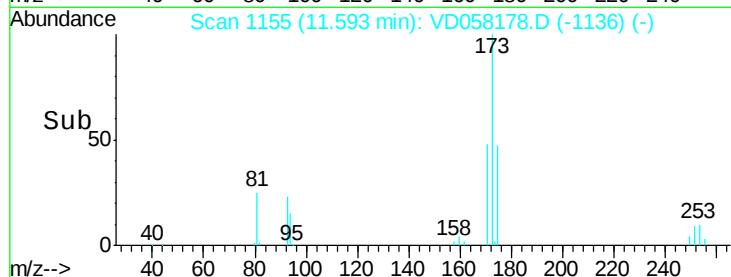
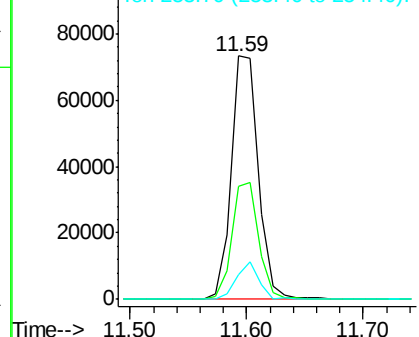
#71
Bromoform
Concen: 22.576 ug/l
RT: 11.59 min Scan# 1155
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 117782
Ion Ratio Lower Upper
173 100
175 46.5 25.1 75.2
254 10.1 10.7 16.1#

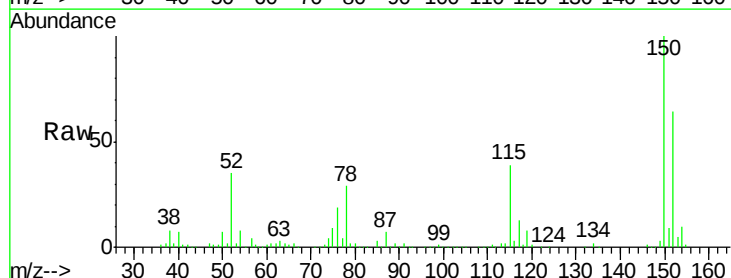


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

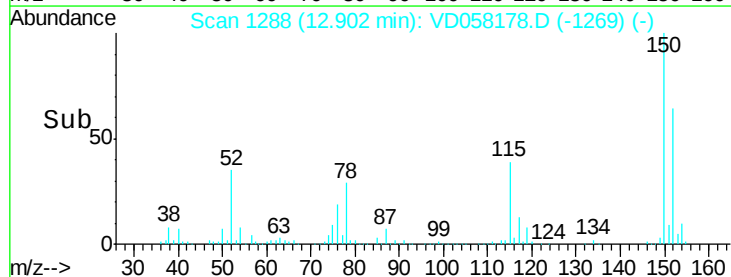
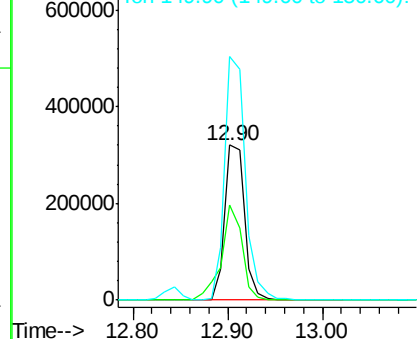


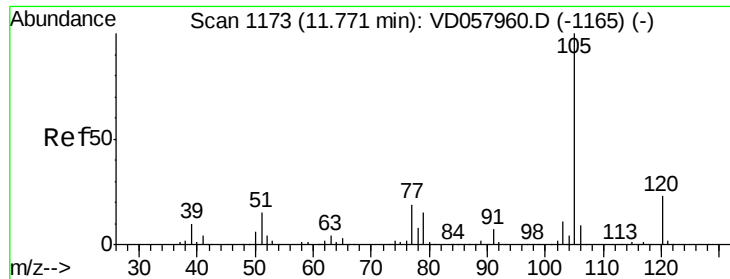
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion:152 Resp: 464984
Ion Ratio Lower Upper
152 100
115 61.2 25.6 76.6
150 156.9 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: 21.796 ug/l

RT: 11.77 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

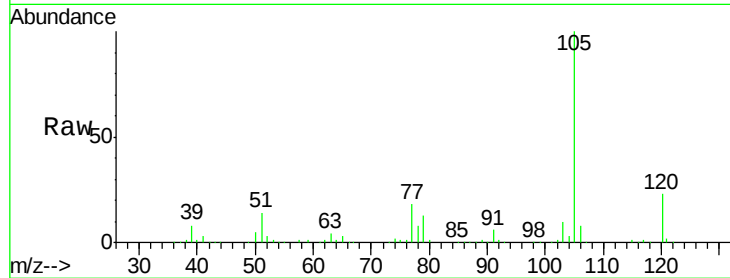
ClientSampled :

Tot Ion:105 Resp: 671266

Ion Ratio Lower Upper

105 100

120 22.8 11.3 33.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.77

500000

400000

300000

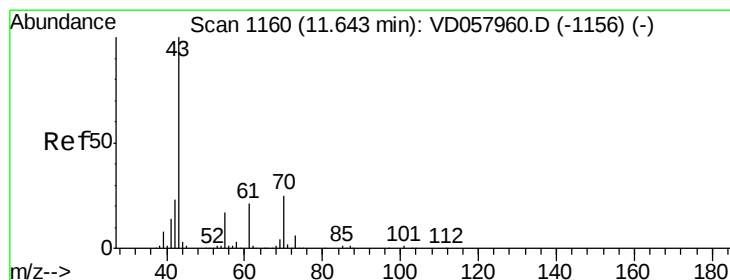
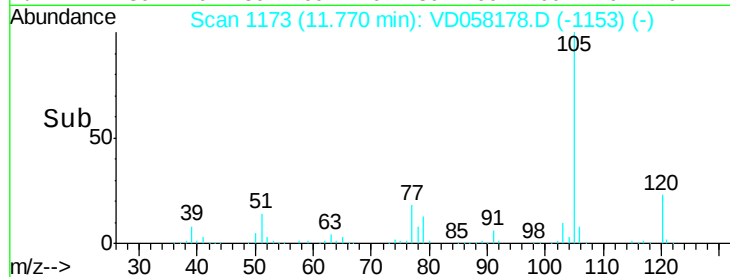
200000

100000

0

Time-->

11.70 11.80 11.90



#74

N-ethyl acetate

Concen: 20.716 ug/l

RT: 11.64 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Tgt Ion: 43 Resp: 246193

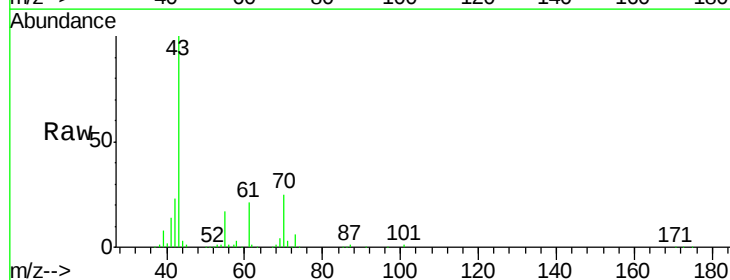
Ion Ratio Lower Upper

43 100

70 25.3 20.3 30.5

55 16.6 13.9 20.9

61 20.6 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

300000

250000

200000

150000

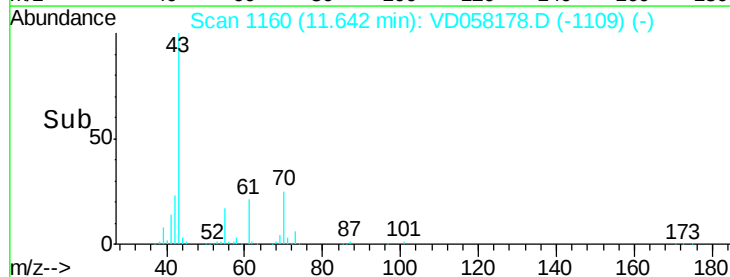
100000

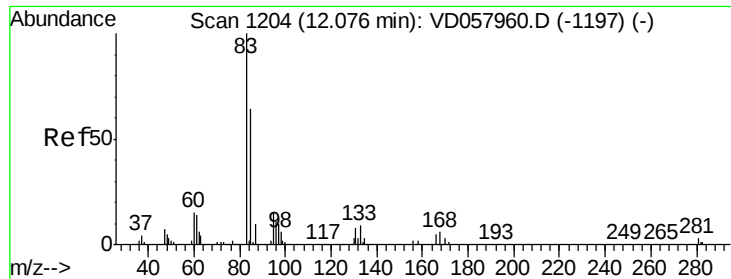
50000

0

Time-->

11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 21.109 ug/l

RT: 12.08 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

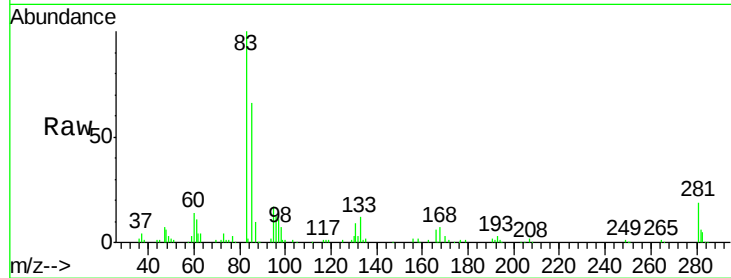
Tot Ion: 83 Resp: 141746

Ion Ratio Lower Upper

83 100

131 8.9 4.2 12.6

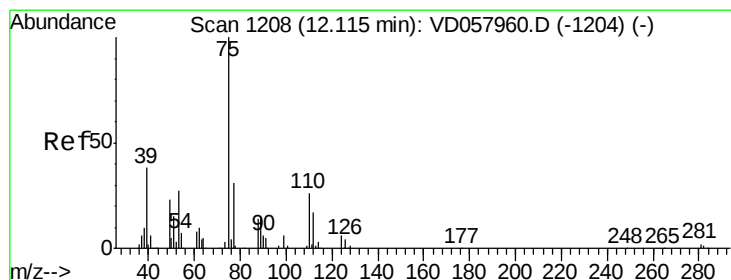
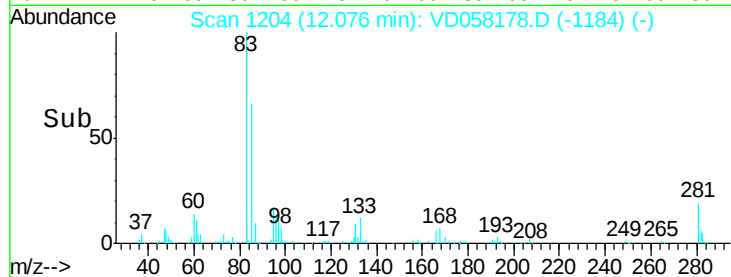
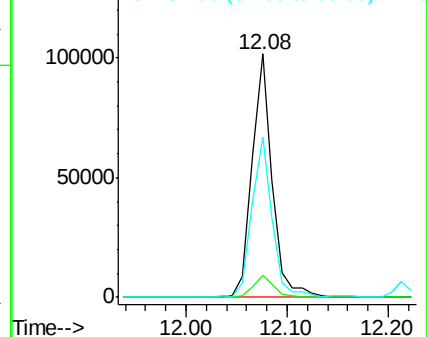
85 65.8 31.9 95.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.516 ug/l

RT: 12.11 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VD058178.D

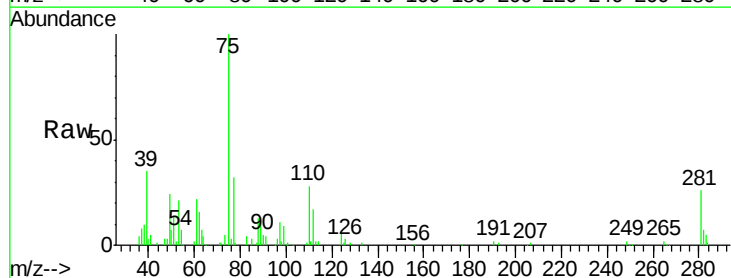
Acq: 18 Jun 2018 13:49

Tgt Ion: 75 Resp: 150286

Ion Ratio Lower Upper

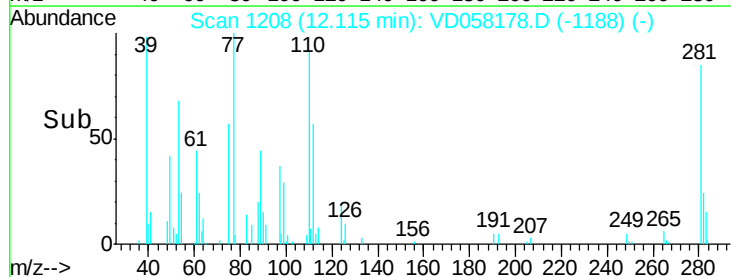
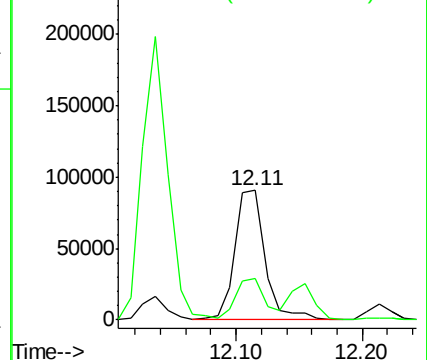
75 100

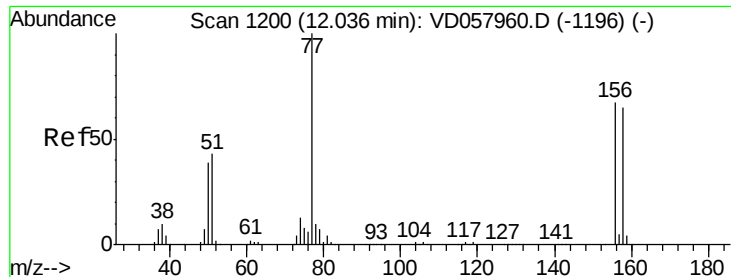
77 31.7 16.7 50.1



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 21.236 ug/l

RT: 12.04 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

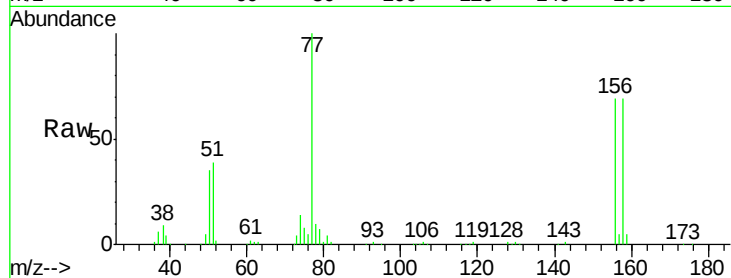
Tot Ion:156 Resp: 193596

Ion Ratio Lower Upper

156 100

77 145.2 75.0 224.8

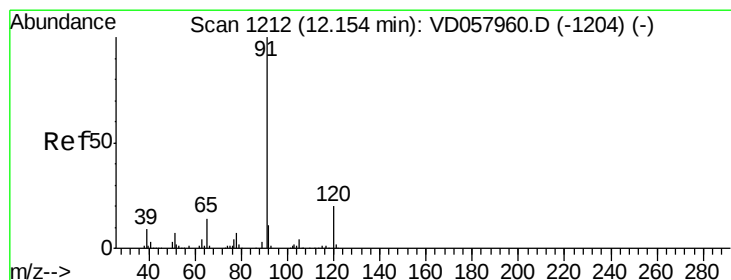
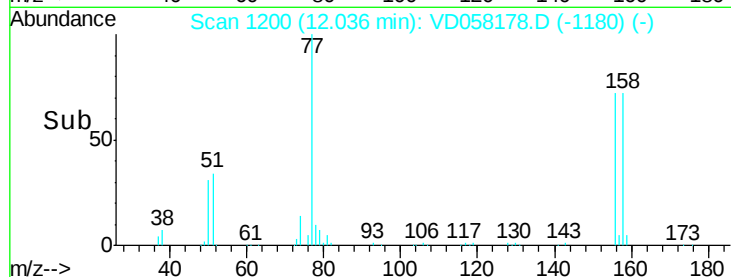
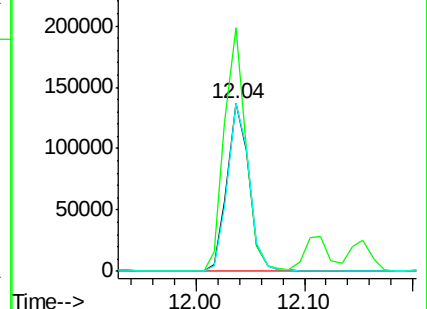
158 100.6 48.6 145.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.246 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. -0.00 min

Lab File: VD058178.D

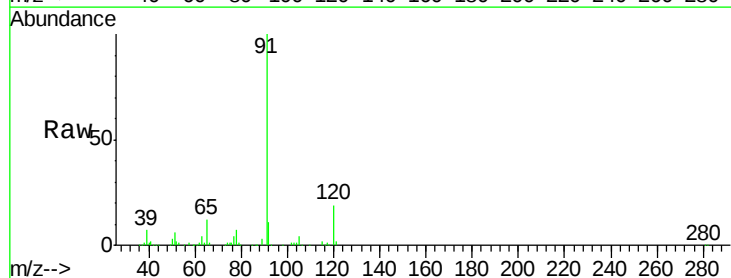
Acq: 18 Jun 2018 13:49

Tgt Ion: 91 Resp: 851457

Ion Ratio Lower Upper

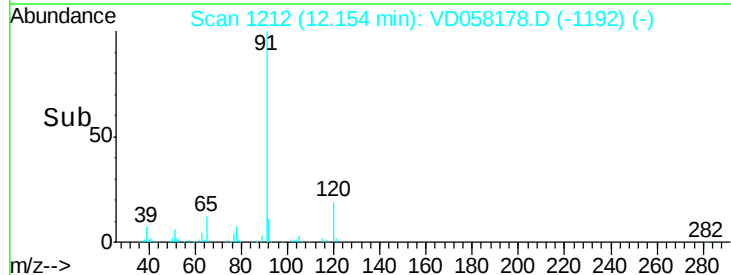
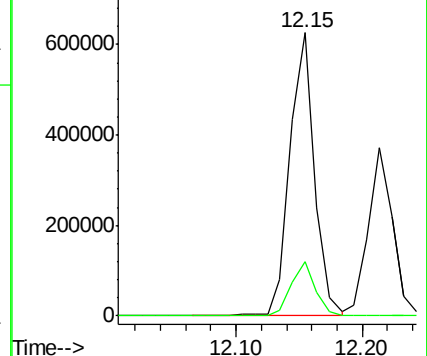
91 100

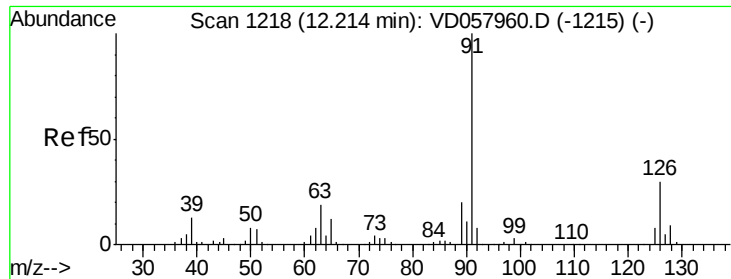
120 19.4 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

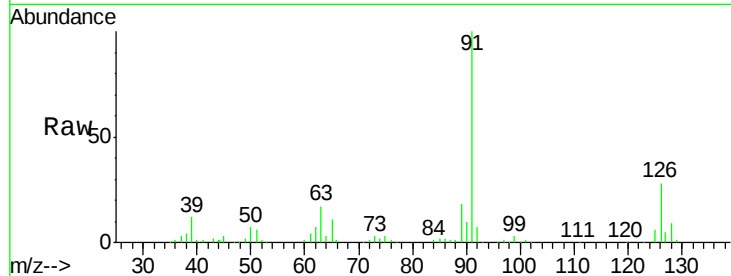




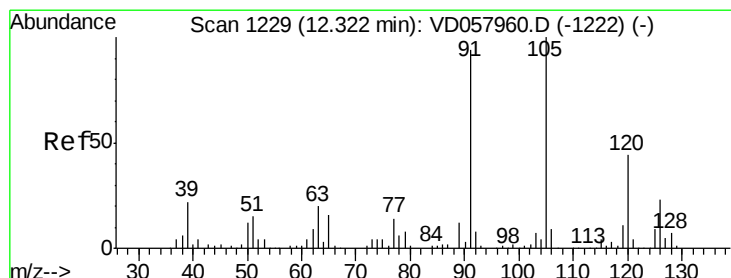
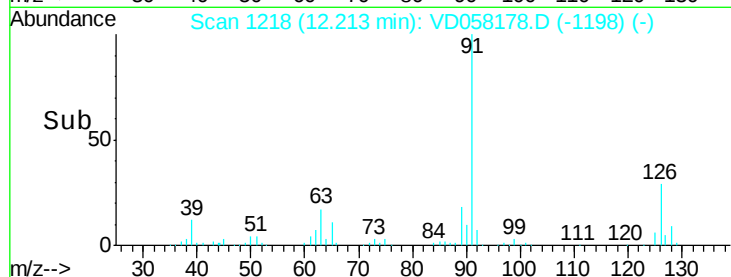
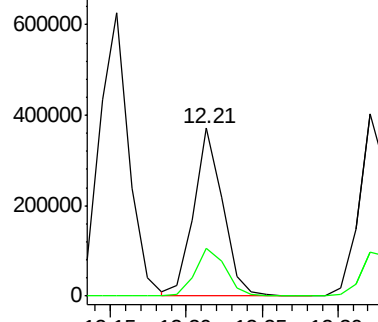
#79
2-Chlorotoluene
Concen: 21.416 ug/l
RT: 12.21 min Scan# 1218
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 91 Resp: 489640
Ion Ratio Lower Upper
91 100
126 28.5 14.6 44.0

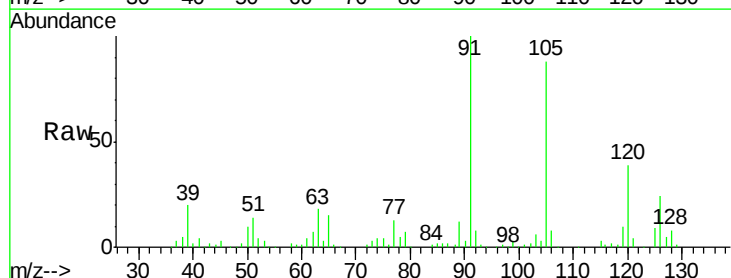


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

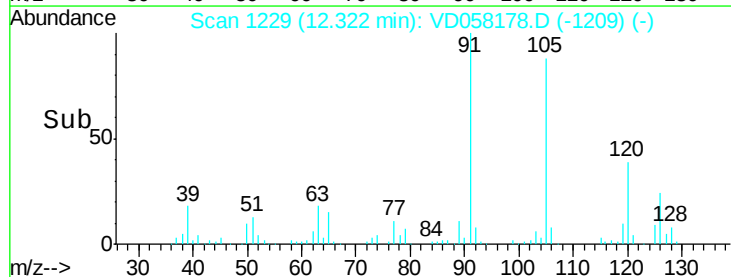
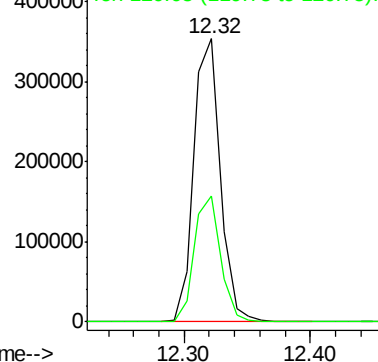


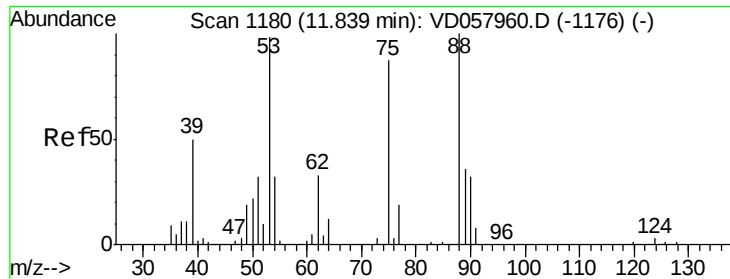
#80
1,3,5-Trimethylbenzene
Concen: 21.408 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 105 Resp: 514180
Ion Ratio Lower Upper
105 100
120 44.6 22.0 66.0



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

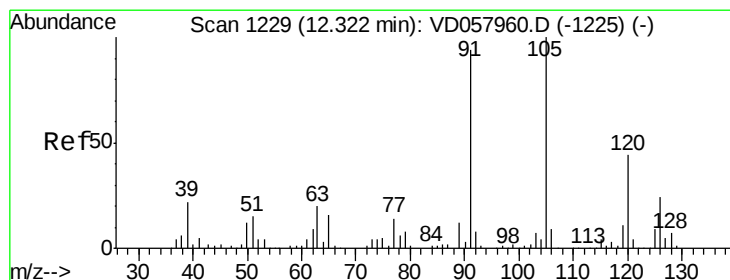
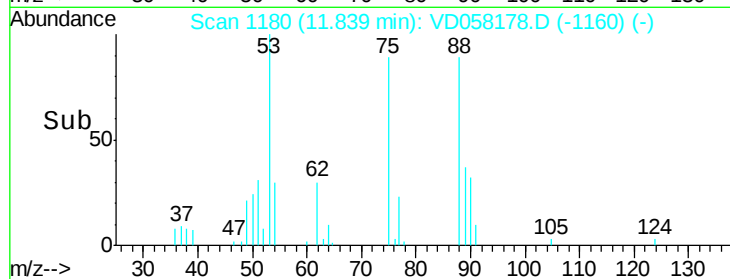
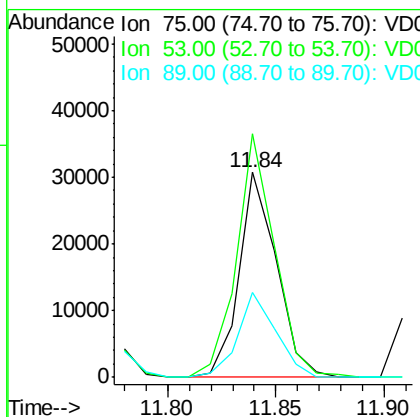
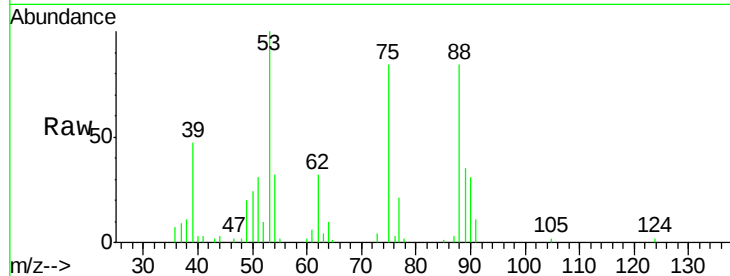




#81
trans-1,4-Dichloro-2-butene
Concen: 21.336 ug/l
RT: 11.84 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

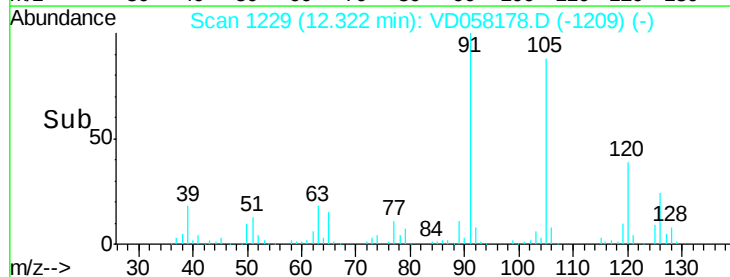
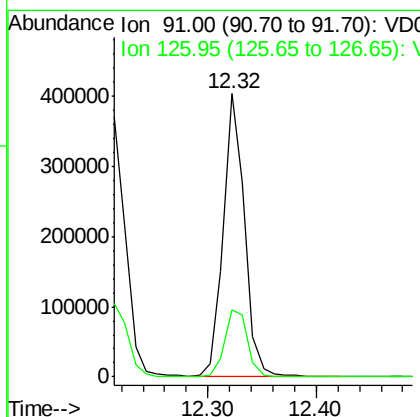
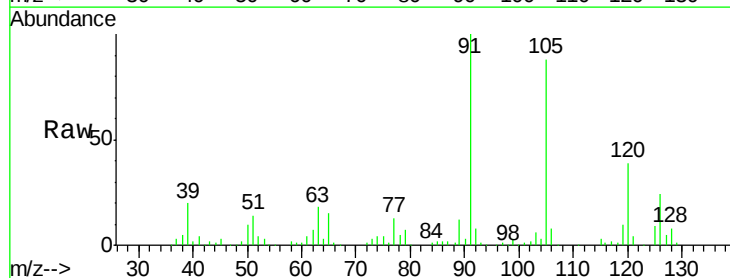
Instrument :
MSVOA_D
ClientSampleId :

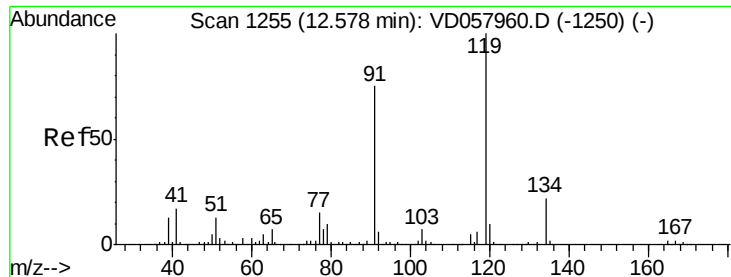
Tot Ion: 75 Resp: 36911
Ion Ratio Lower Upper
75 100
53 118.9 89.3 133.9
89 41.5 33.3 49.9



#82
4-Chlorotoluene
Concen: 22.845 ug/l
RT: 12.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 91 Resp: 546384
Ion Ratio Lower Upper
91 100
126 23.9 12.5 37.5

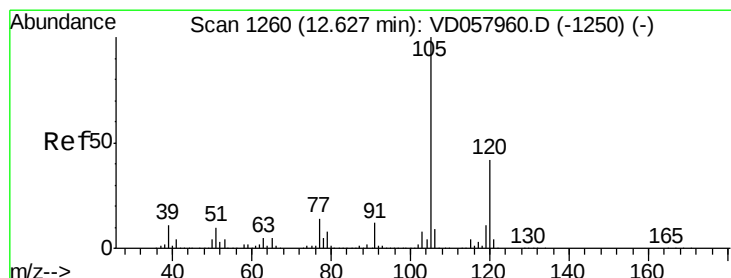
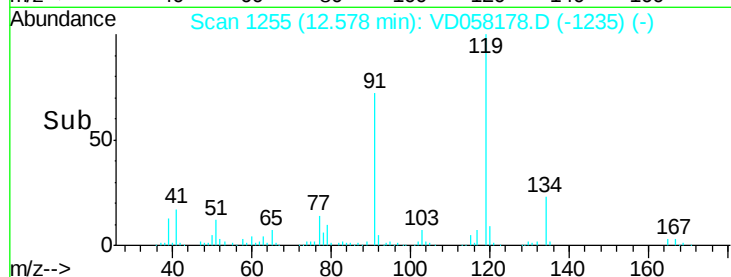
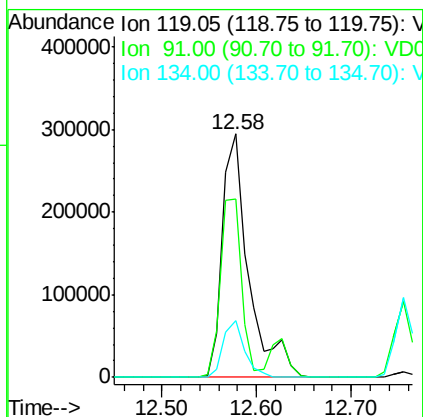
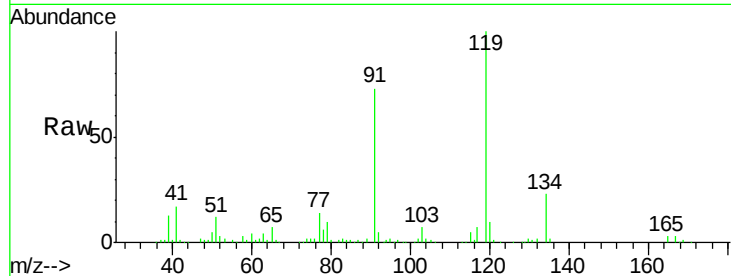




#83
tert-Butylbenzene
Concen: 20.917 ug/l
RT: 12.58 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

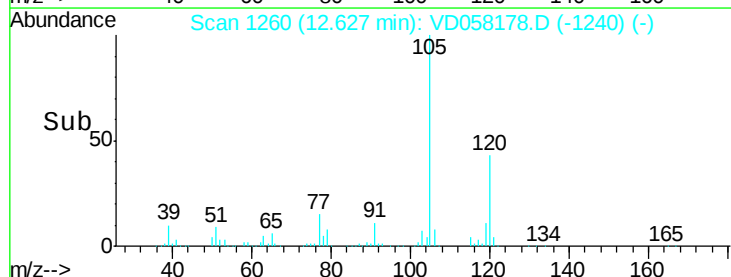
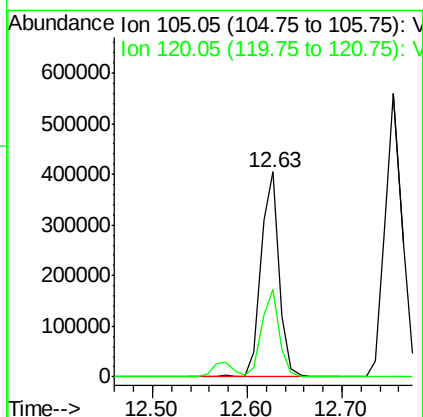
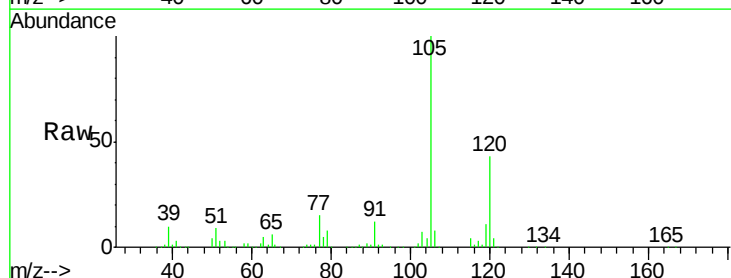
Instrument :
MSVOA_D
ClientSampleId :

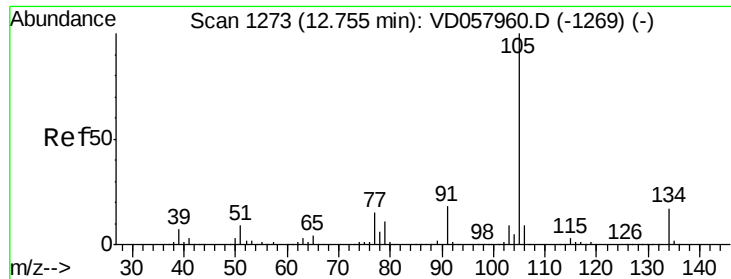
Tot Ion:119 Resp: 567275
Ion Ratio Lower Upper
119 100
91 73.0 37.6 112.9
134 23.3 11.2 33.5



#84
1,2,4-Trimethylbenzene
Concen: 20.956 ug/l
RT: 12.63 min Scan# 1260
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion:105 Resp: 541194
Ion Ratio Lower Upper
105 100
120 43.0 21.2 63.6





#85

sec-Butylbenzene

Concen: 21.650 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

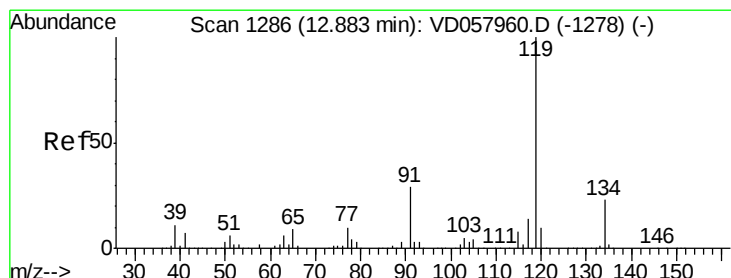
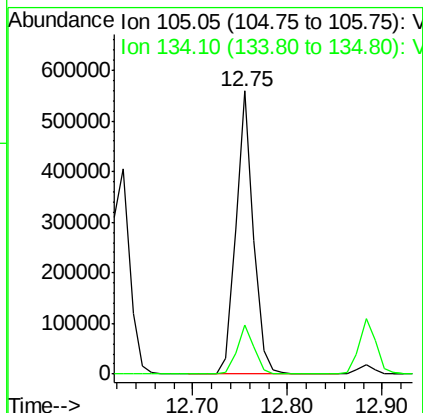
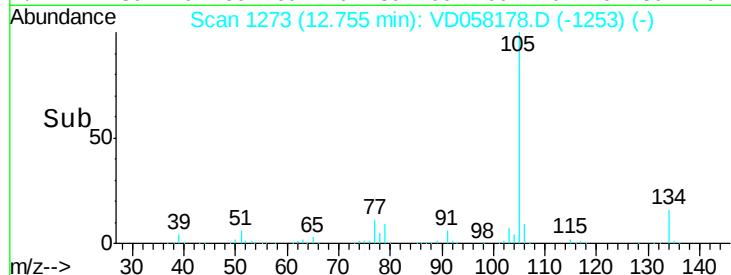
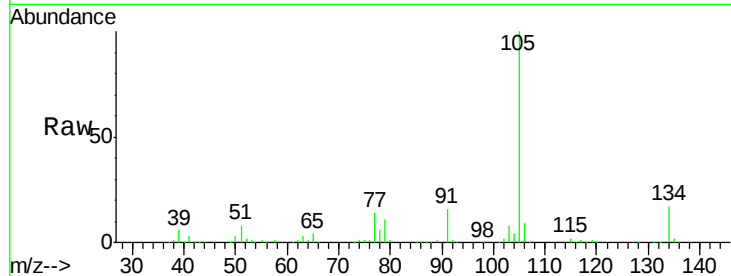
ClientSampled :

Tot Ion:105 Resp: 708621

Ion Ratio Lower Upper

105 100

134 17.3 8.3 25.1



#86

p-Isopropyltoluene

Concen: 21.546 ug/l

RT: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

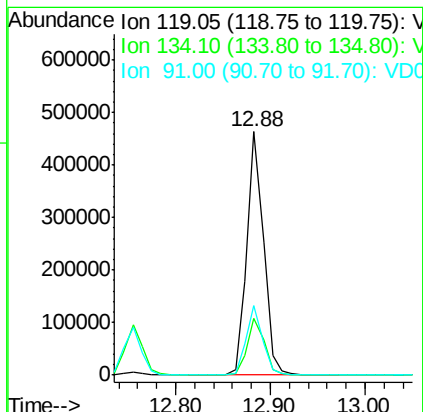
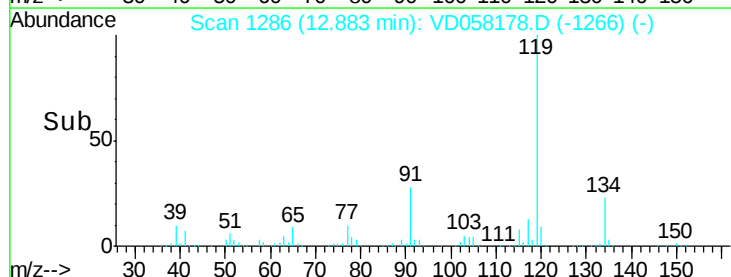
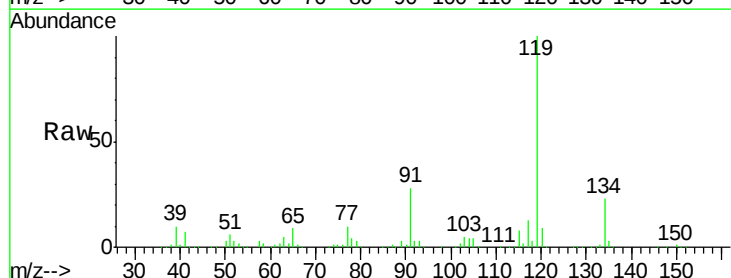
Tgt Ion:119 Resp: 568399

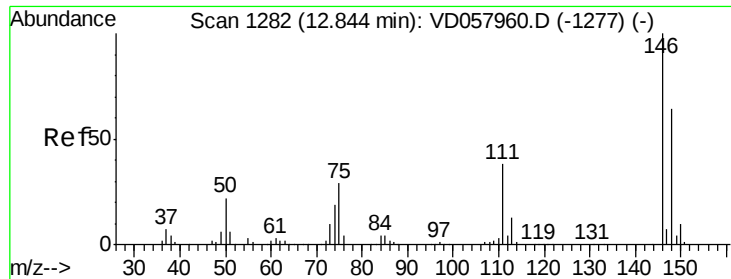
Ion Ratio Lower Upper

119 100

134 23.4 11.5 34.4

91 28.4 14.5 43.6

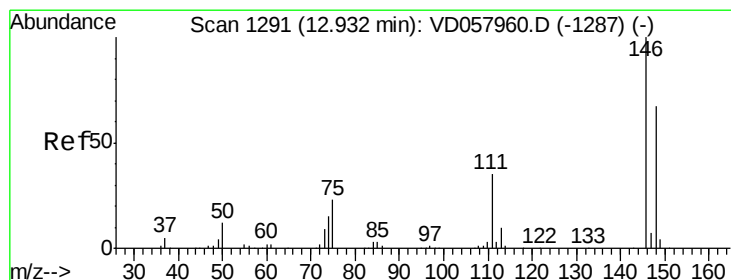
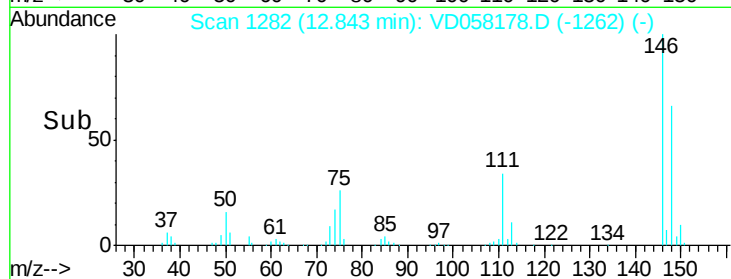
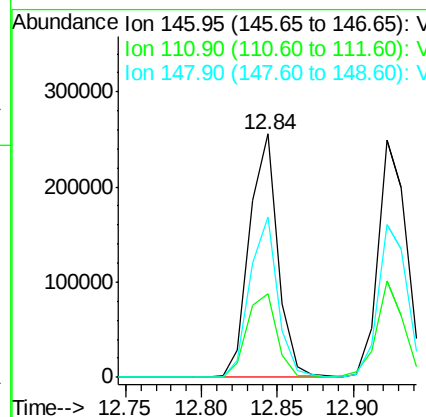
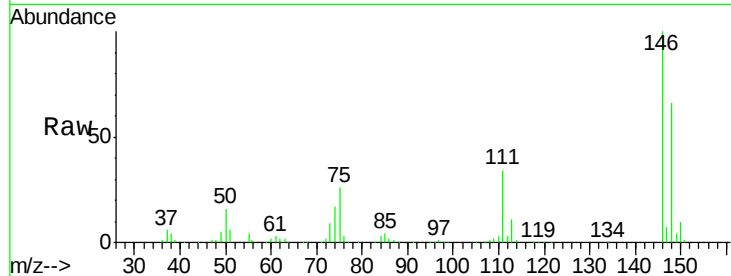




#87
 1,3-Dichlorobenzene
 Concen: 21.692 ug/l
 RT: 12.84 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

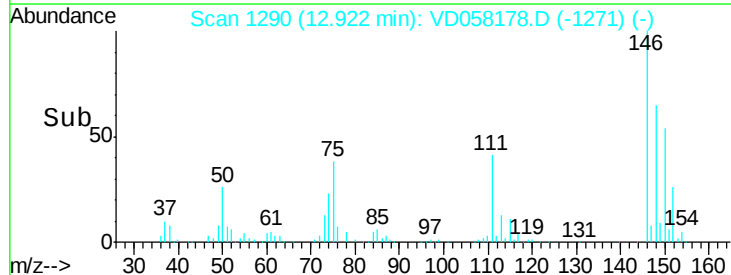
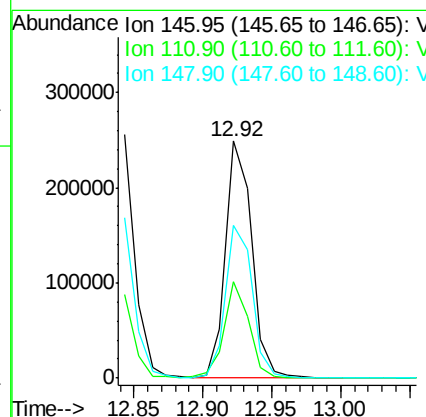
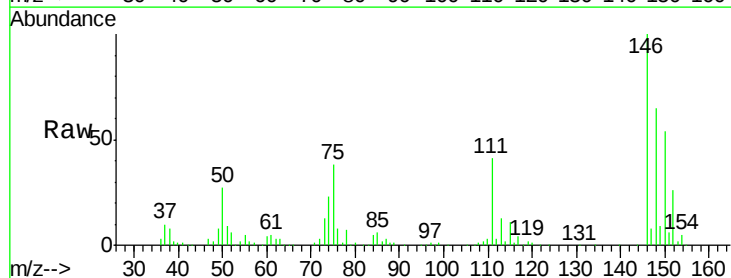
Instrument :
 MSVOA_D
 ClientSampleId :

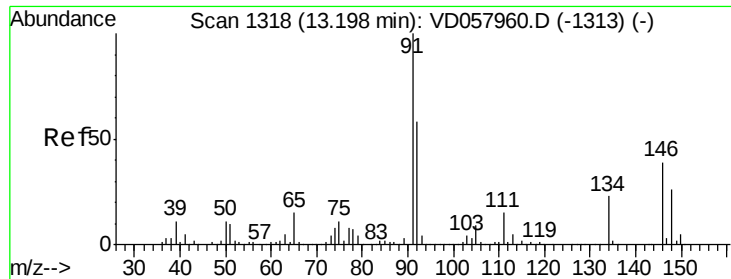
Tot Ion:146 Resp: 334516
 Ion Ratio Lower Upper
 146 100
 111 34.4 19.1 57.3
 148 65.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 21.754 ug/l
 RT: 12.92 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion:146 Resp: 326864
 Ion Ratio Lower Upper
 146 100
 111 40.8 17.3 52.0
 148 64.7 33.4 100.2

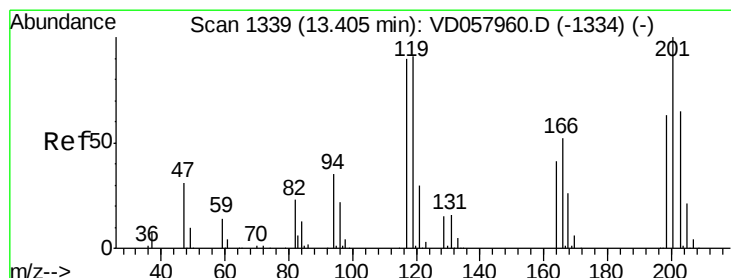
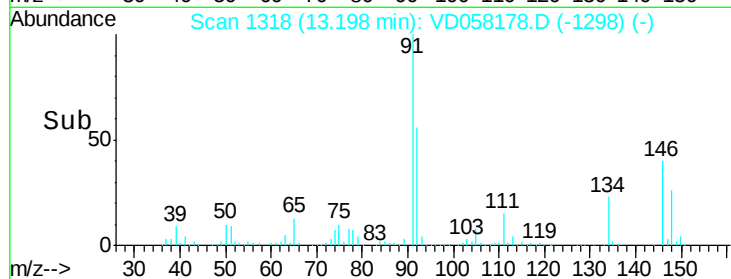
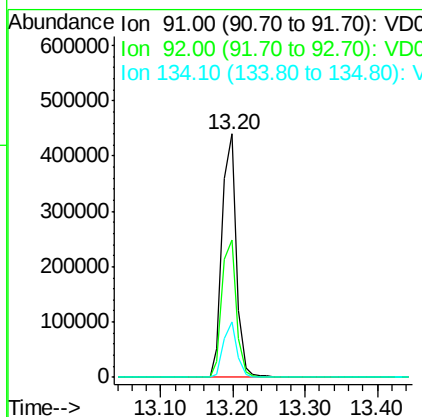
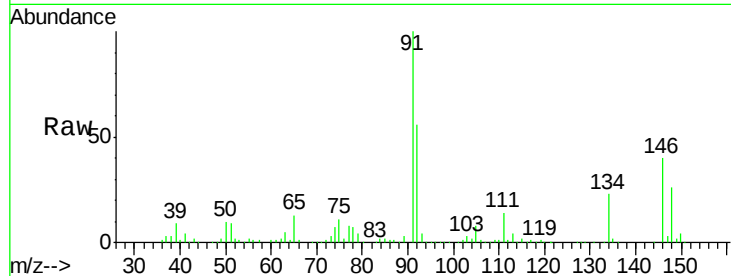




#89
n-Butylbenzene
Concen: 22.850 ug/l
RT: 13.20 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

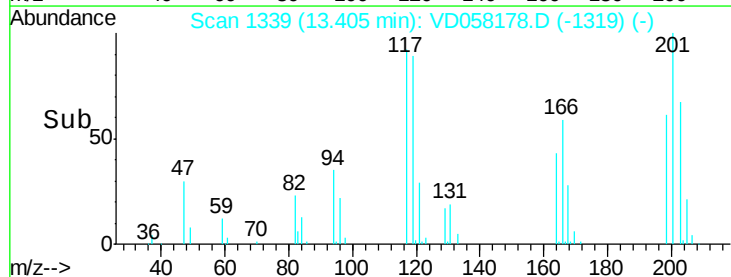
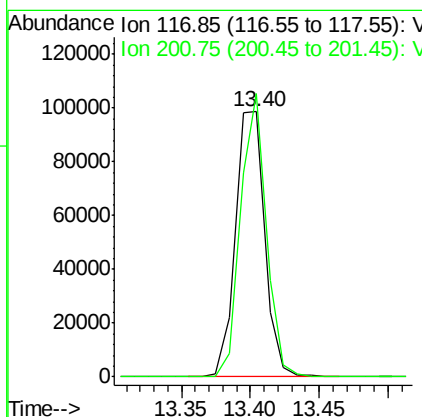
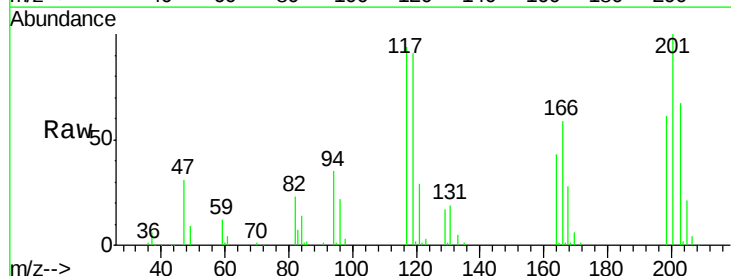
Instrument :
MSVOA_D
ClientSampleId :

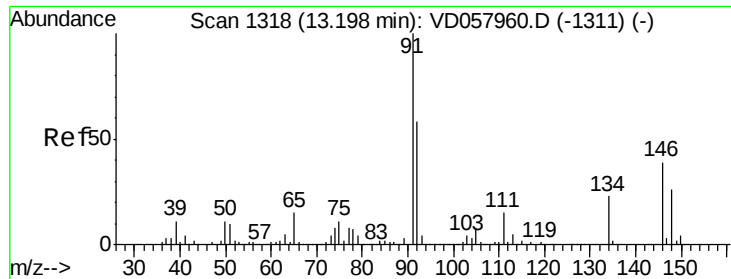
Tot Ion: 91 Resp: 599708
Ion Ratio Lower Upper
91 100
92 56.2 29.2 87.6
134 22.8 11.3 33.9



#90
Hexachloroethane
Concen: 21.840 ug/l
RT: 13.40 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion: 117 Resp: 147053
Ion Ratio Lower Upper
117 100
201 106.8 55.4 166.0





#91

1,2-Dichlorobenzene

Concen: 22.808 ug/l

RT: 13.19 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

Instrument :

MSVOA_D

ClientSampleId :

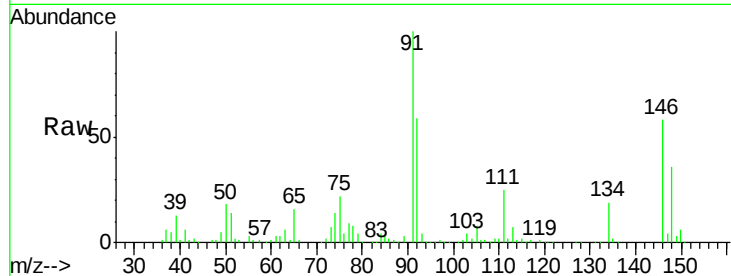
Tot Ion:146 Resp: 284241

Ion Ratio Lower Upper

146 100

111 44.2 19.4 58.2

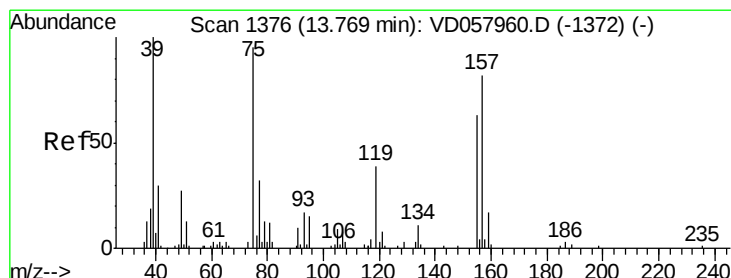
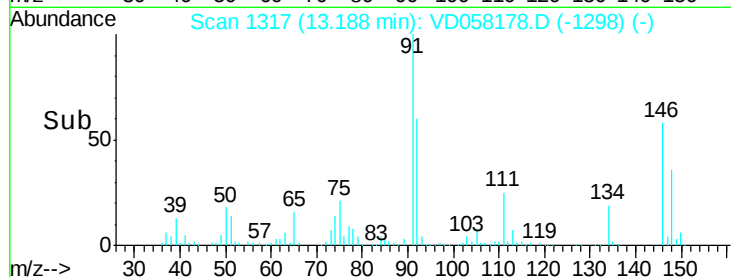
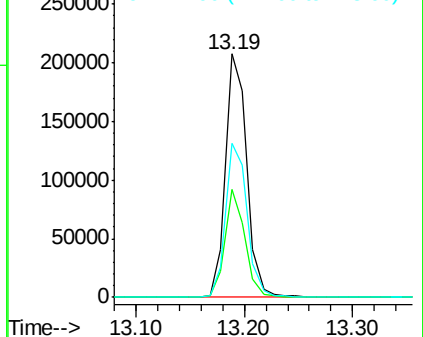
148 63.2 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.620 ug/l

RT: 13.77 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VD058178.D

Acq: 18 Jun 2018 13:49

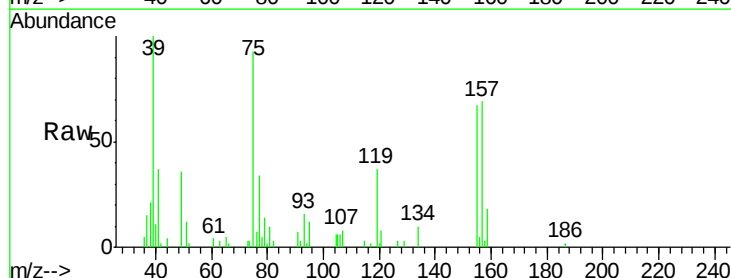
Tgt Ion: 75 Resp: 22405

Ion Ratio Lower Upper

75 100

155 71.8 33.4 100.1

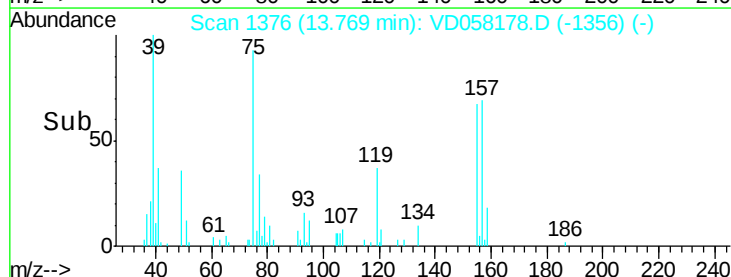
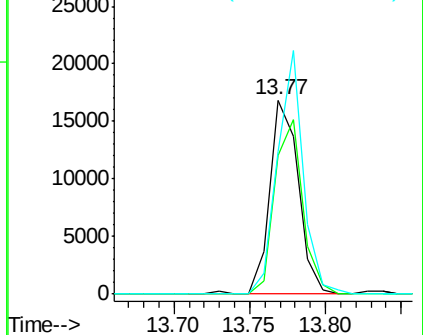
157 73.6 42.9 128.5

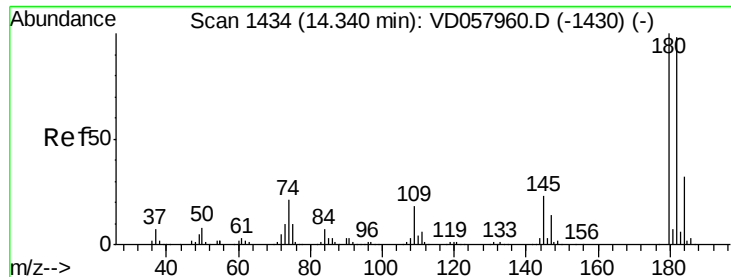


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

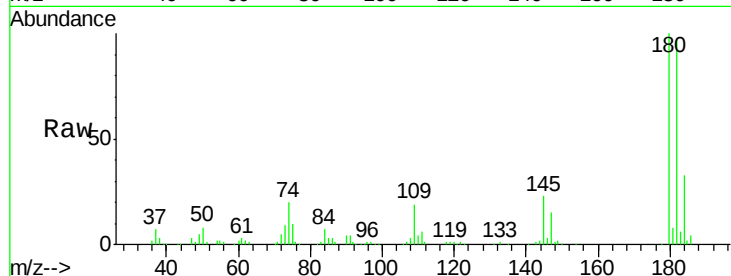




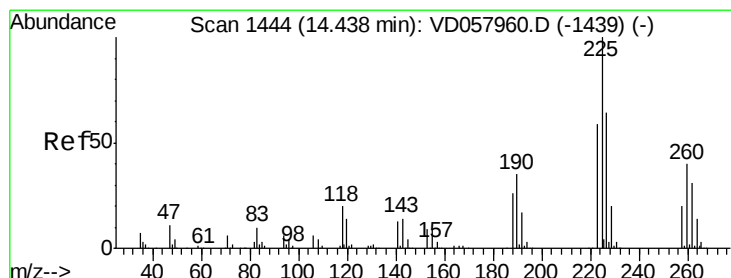
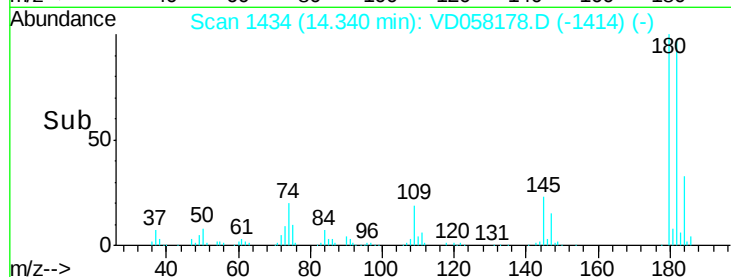
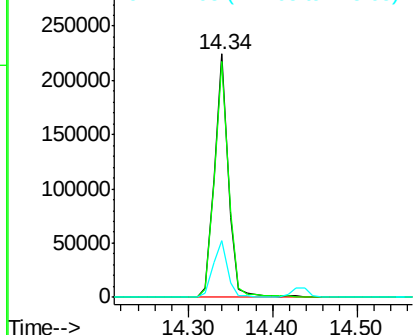
#93
 1,2,4-Trichlorobenzene
 Concen: 22.250 ug/l
 RT: 14.34 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:180 Resp: 259062
 Ion Ratio Lower Upper
 180 100
 182 97.1 49.0 147.2
 145 23.2 11.8 35.3

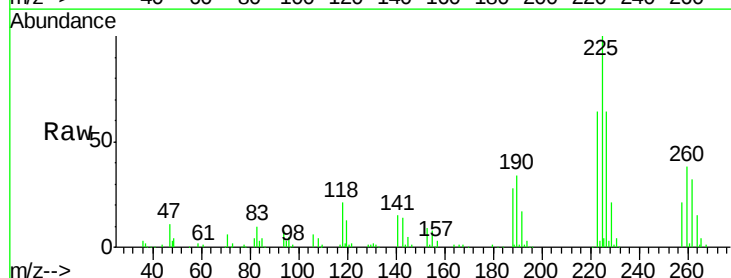


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

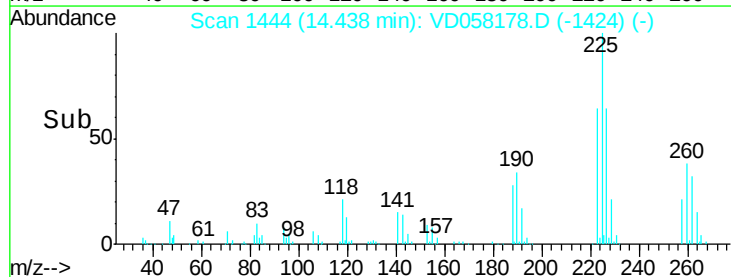
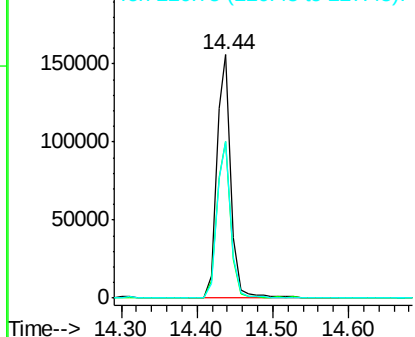


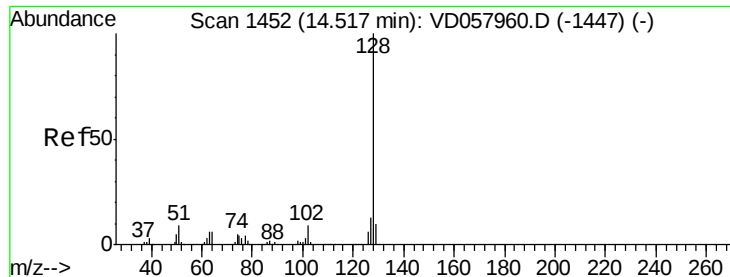
#94
 Hexachlorobutadiene
 Concen: 22.436 ug/l
 RT: 14.44 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: VD058178.D
 Acq: 18 Jun 2018 13:49

Tgt Ion:225 Resp: 205467
 Ion Ratio Lower Upper
 225 100
 223 64.2 29.5 88.6
 227 64.5 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

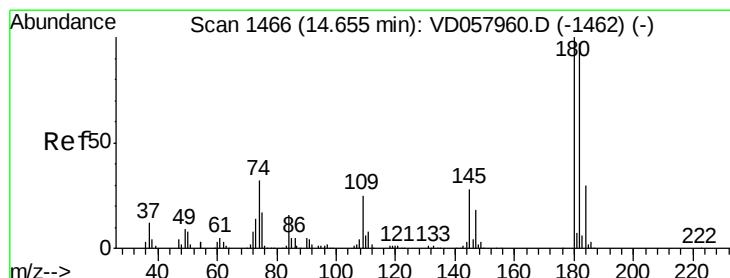
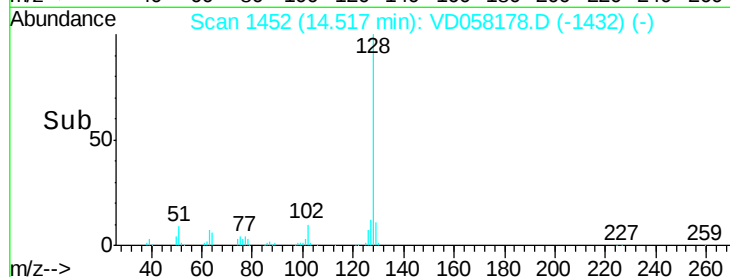
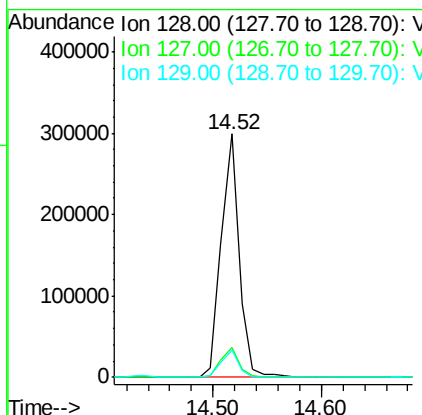
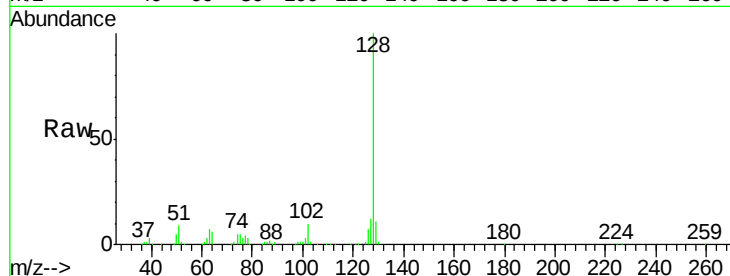




#95
Naphthalene
Concen: 23.077 ug/l
RT: 14.52 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 346432
Ion Ratio Lower Upper
128 100
127 12.3 10.2 15.2
129 11.0 8.2 12.2



#96
1,2,3-Trichlorobenzene
Concen: 23.666 ug/l
RT: 14.66 min Scan# 1467
Delta R.T. 0.01 min
Lab File: VD058178.D
Acq: 18 Jun 2018 13:49

Tgt Ion:180 Resp: 234827
Ion Ratio Lower Upper
180 100
182 100.4 48.5 145.5
145 24.3 14.2 42.8

