

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062318\
 Data File : VD058344.D
 Acq On : 23 Jun 2018 16:46
 Operator : VA/AP
 Sample : J3664-19
 Misc : 5.33g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 25 01:08:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061918S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 20 05:52:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	652926	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.71	114	917929	50.00	ug/l	0.02
63) Chlorobenzene-d5	10.70	117	665929	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.91	152	247908	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	263240	39.92	ug/l	0.02
Spiked Amount	50.000		Recovery	=	79.84%	
35) Dibromofluoromethane	5.57	113	275561	36.88	ug/l	0.02
Spiked Amount	50.000		Recovery	=	73.76%	
50) Toluene-d8	8.72	98	596201	32.99	ug/l	0.01
Spiked Amount	50.000		Recovery	=	65.98%	
62) 4-Bromofluorobenzene	11.99	95	195627	26.49	ug/l	0.06
Spiked Amount	50.000		Recovery	=	52.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.36	85	225	Below Cal	#	43
3) Chloromethane	1.51	50	258	Below Cal	#	43
5) Bromomethane	1.80	94	220	Below Cal	#	3
6) Chloroethane	2.03	64	210	1.55	ug/l	41
11) Tert butyl alcohol	3.26	59	1130	5.20	ug/l	78
13) Acrolein	2.35	56	226	1.82	ug/l	11
16) Acetone	2.63	43	133286	147.78	ug/l	83
17) Carbon Disulfide	2.78	76	11778	1.54	ug/l	90
18) Methyl Acetate	2.95	43	4945	2.57	ug/l	65
20) Methylene Chloride	3.09	84	16665	2.56	ug/l	96
25) 2-Butanone	4.85	43	72976	37.12	ug/l	95
27) cis-1,2-Dichloroethene	4.83	96	15281	2.49	ug/l	88
29) Tetrahydrofuran	5.22	42	2155	2.06	ug/l	45
31) Cyclohexane	5.61	56	28431	Below Cal		93
36) 1,1-Dichloropropene	5.66	75	57536	6.34	ug/l	49
37) Ethyl Acetate	4.85	43	72976	14.10	ug/l	91
38) Carbon Tetrachloride	5.66	117	55875	6.19	ug/l	16
39) Methylcyclohexane	7.29	83	307602	34.78	ug/l	96
40) Benzene	6.03	78	49615	2.29	ug/l	92
43) Isopropyl Acetate	7.67	43	10359	1.50	ug/l	48
48) Methyl methacrylate	7.56	41	17603	4.20	ug/l	84
56) Ethyl methacrylate	9.38	69	18680	3.58	ug/l	1
59) 2-Hexanone	9.75	43	136945	42.12	ug/l	36
64) Tetrachloroethene	9.53	164	5735	1.02	ug/l	79
65) Chlorobenzene	10.74	112	1904002	152.85	ug/l	98
67) Ethyl Benzene	10.87	91	30628	1.39	ug/l	97
69) o-Xylene	11.42	106	20701	2.96	ug/l	70
73) Isopropylbenzene	11.78	105	137505	9.27	ug/l	100
74) N-amyl acetate	11.67	43	341703	59.60	ug/l	1
75) 1,1,2,2-Tetrachloroethane	12.10	83	286760	83.10	ug/l	37
78) n-propylbenzene	12.17	91	101654	5.31	ug/l	97
79) 2-Chlorotoluene	12.36	91	11774	1.07	ug/l	84
80) 1,3,5-Trimethylbenzene	12.24	105	12039	1.04	ug/l	82
81) trans-1,4-Dichloro-2-buten	11.94	75	101219	114.66	ug/l	14

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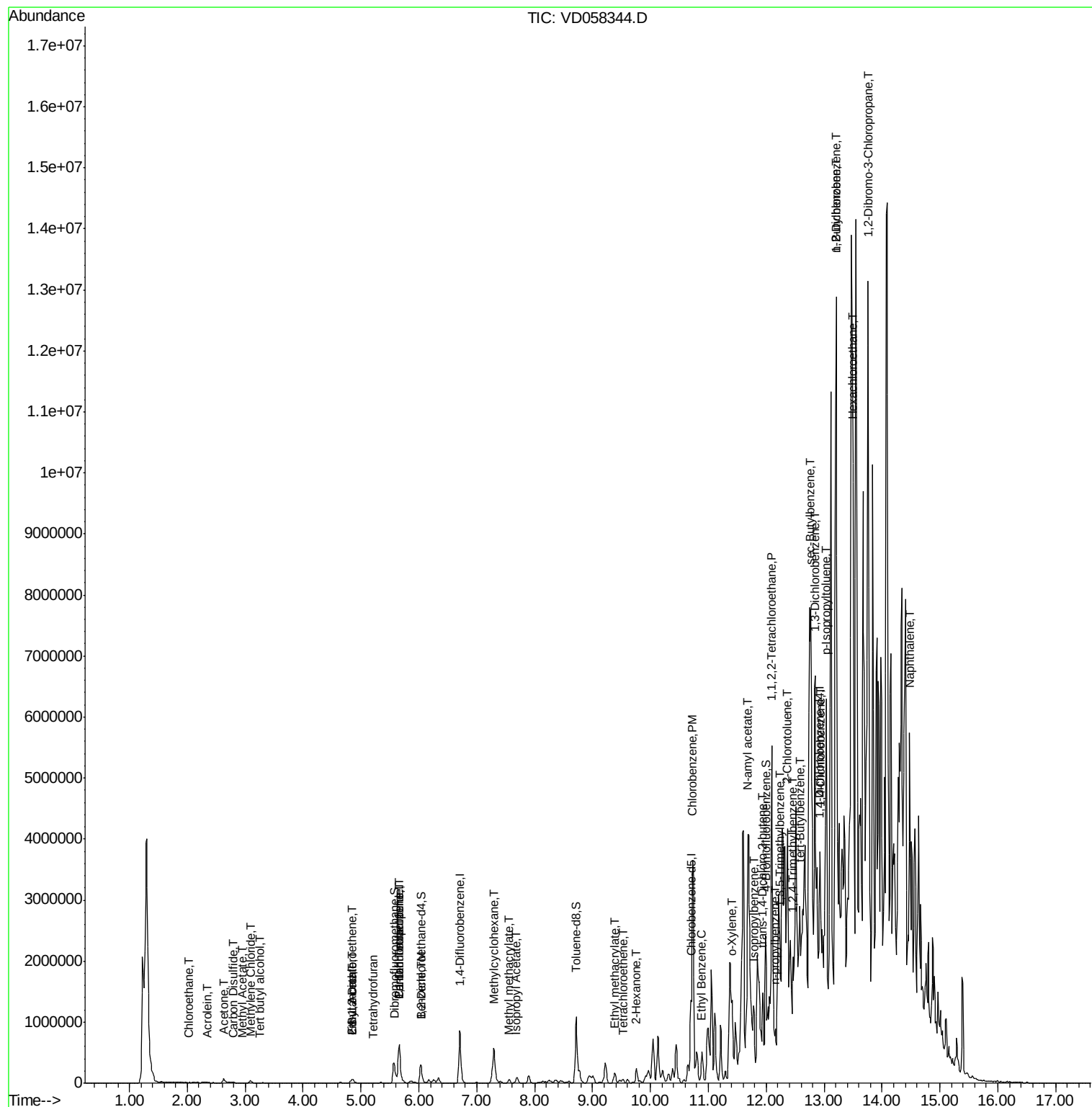
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.36	91	23336	Below Cal		84
83) tert-Butylbenzene	12.58	119	300316	22.58	ug/l	87
84) 1,2,4-Trimethylbenzene	12.47	105	210663	16.76	ug/l	77
85) sec-Butylbenzene	12.77	105	2728286	175.04	ug/l	95
86) p-Isopropyltoluene	13.03	119	1383573	109.54	ug/l	96
87) 1,3-Dichlorobenzene	12.85	146	40866	5.30	ug/l #	1
88) 1,4-Dichlorobenzene	12.93	146	224074	29.73	ug/l #	73
89) n-Butylbenzene	13.21	91	2262398	170.43	ug/l	94
90) Hexachloroethane	13.50	117	4072885	1242.37	ug/l #	1
91) 1,2-Dichlorobenzene	13.20	146	54980	8.37	ug/l #	49
92) 1,2-Dibromo-3-Chloropropan	13.76	75	71953	131.02	ug/l #	1
95) Naphthalene	14.48	128	226806	27.41	ug/l #	1

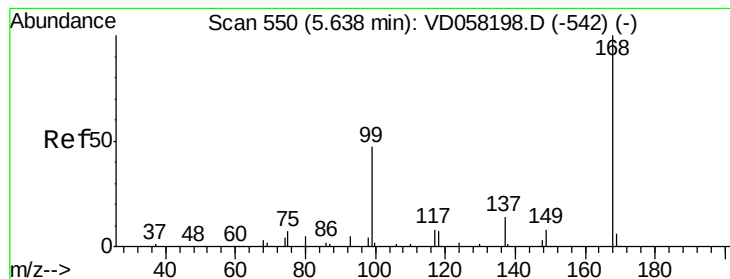
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.66 min Scan# 552

Delta R.T. 0.02 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

Instrument :

MSVOA_D

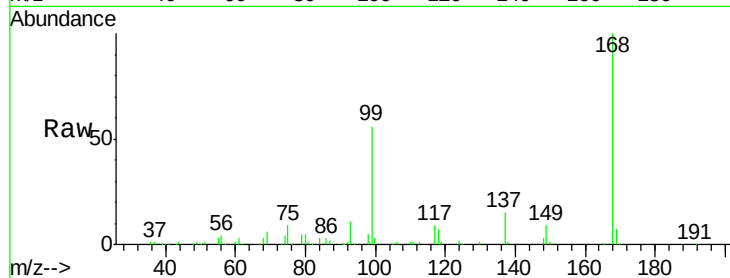
ClientSampleId :

Tot Ion:168 Resp: 652926

Ion Ratio Lower Upper

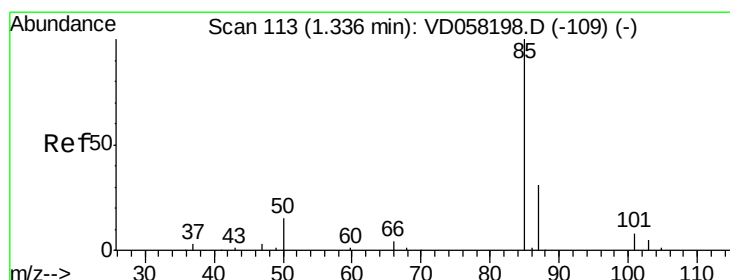
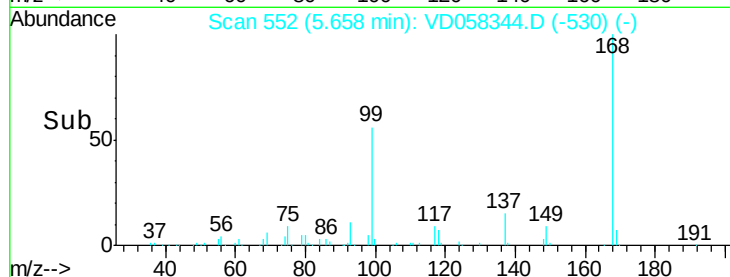
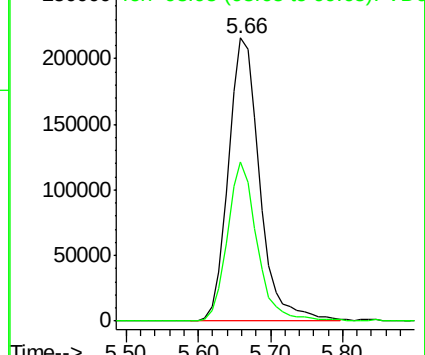
168 100

99 56.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.36 min Scan# 115

Delta R.T. 0.02 min

Lab File: VD058344.D

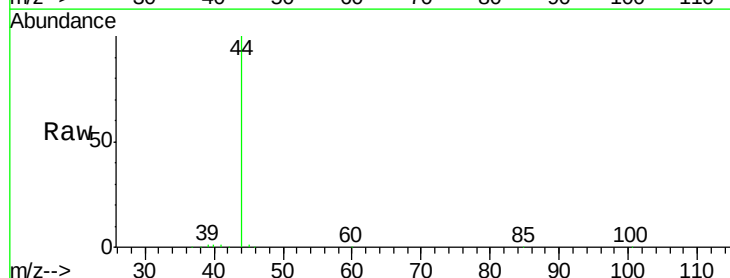
Acq: 23 Jun 2018 16:46

Tgt Ion: 85 Resp: 225

Ion Ratio Lower Upper

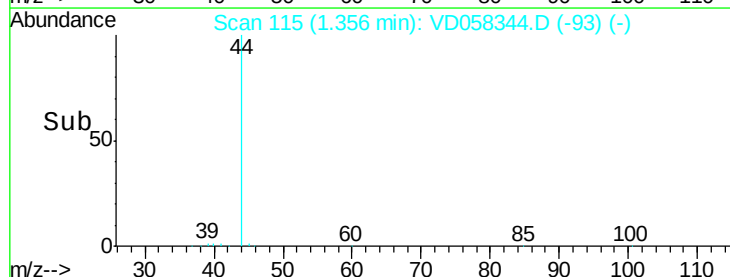
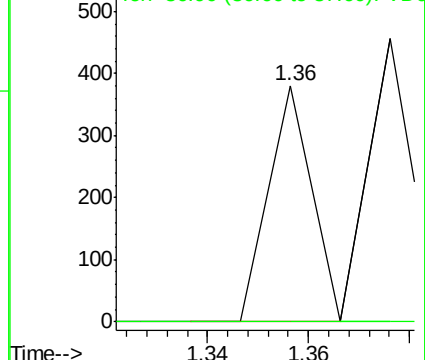
85 100

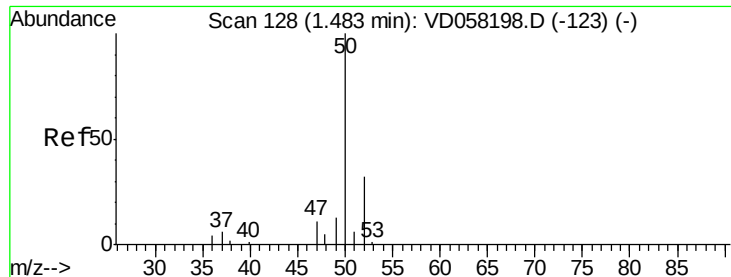
87 0.0 15.7 47.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: Below Cal

RT: 1.51 min Scan# 131

Delta R.T. 0.03 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

Instrument :

MSVOA_D

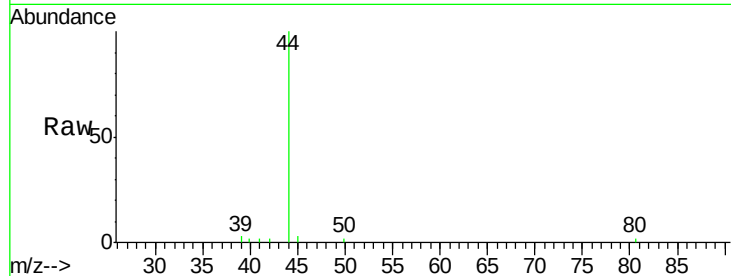
ClientSampleId :

Tot Ion: 50 Resp: 258

Ion Ratio Lower Upper

50 100

52 0.0 25.0 37.4#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.51

400

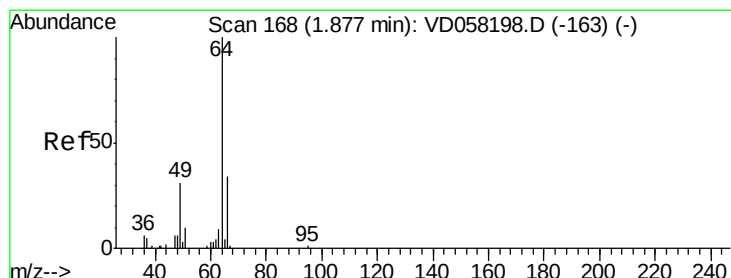
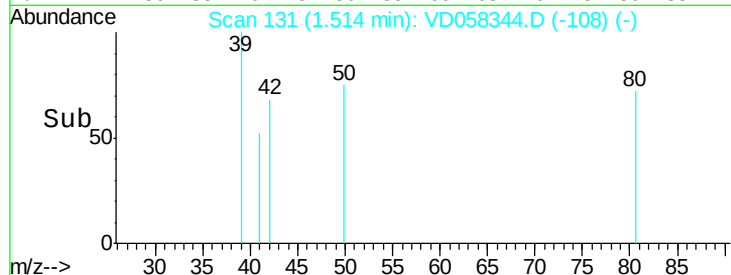
300

200

100

0

Time-->



#6

Chloroethane

Concen: 1.55 ug/l

RT: 2.03 min Scan# 183

Delta R.T. 0.15 min

Lab File: VD058344.D

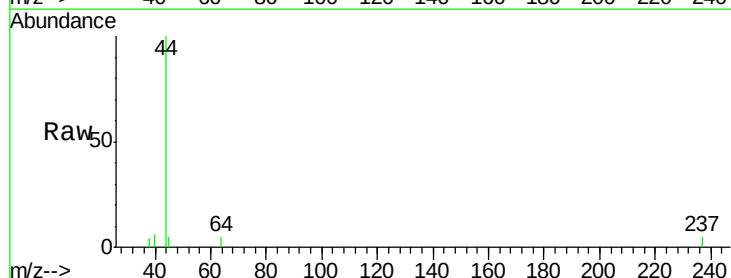
Acq: 23 Jun 2018 16:46

Tgt Ion: 64 Resp: 210

Ion Ratio Lower Upper

64 100

66 0.0 27.3 40.9#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.03

400

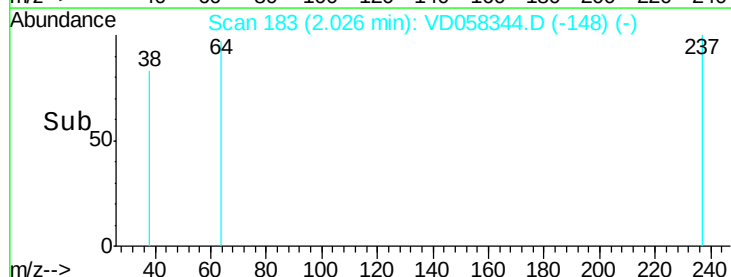
300

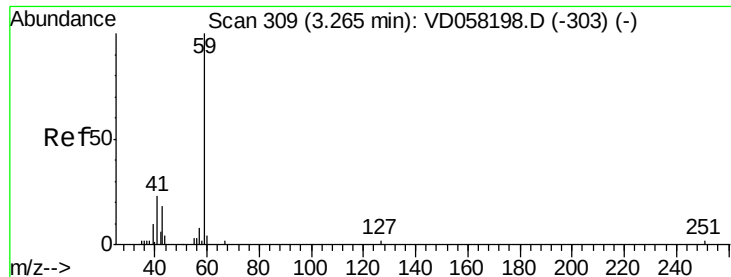
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 5.20 ug/l

RT: 3.26 min Scan# 308

Delta R.T. -0.01 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

Instrument :

MSVOA_D

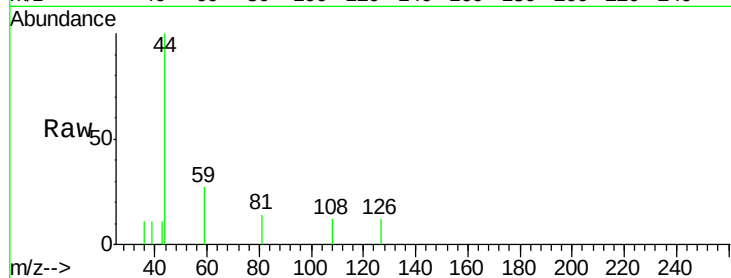
ClientSampleId :

Tot Ion: 59 Resp: 1130

Ion Ratio Lower Upper

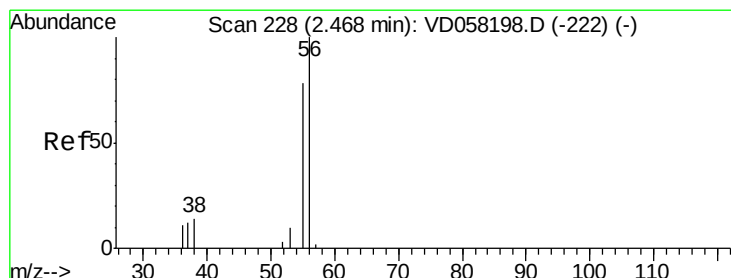
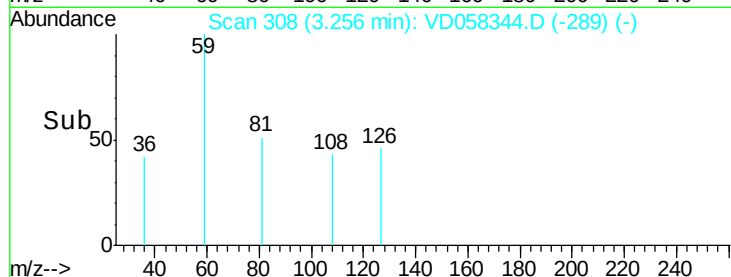
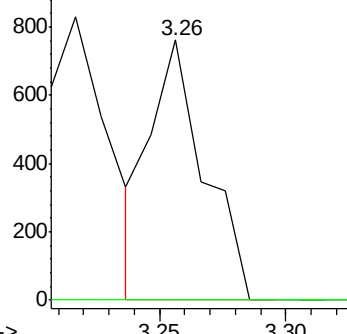
59 100

57 0.0 6.2 9.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#13

Acrolein

Concen: 1.82 ug/l

RT: 2.35 min Scan# 216

Delta R.T. -0.12 min

Lab File: VD058344.D

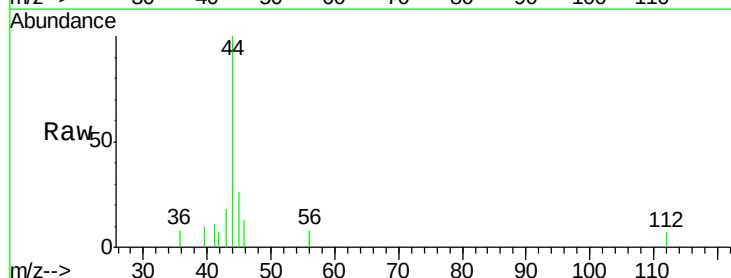
Acq: 23 Jun 2018 16:46

Tgt Ion: 56 Resp: 226

Ion Ratio Lower Upper

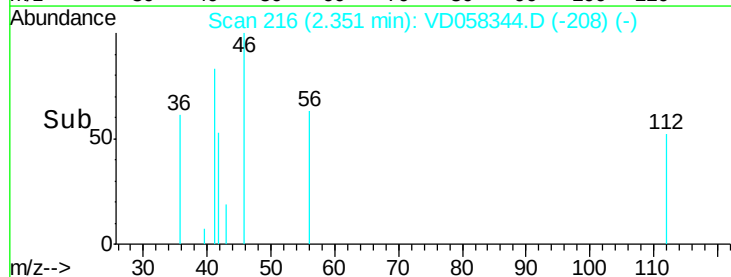
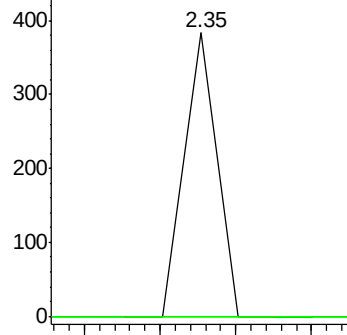
56 100

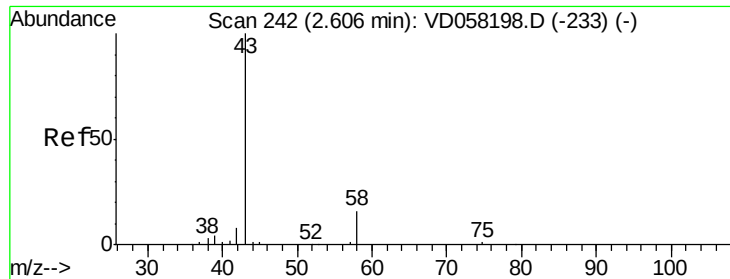
55 0.0 62.1 93.1#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 147.78 ug/l

RT: 2.63 min Scan# 244

Delta R.T. 0.02 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

Instrument :

MSVOA_D

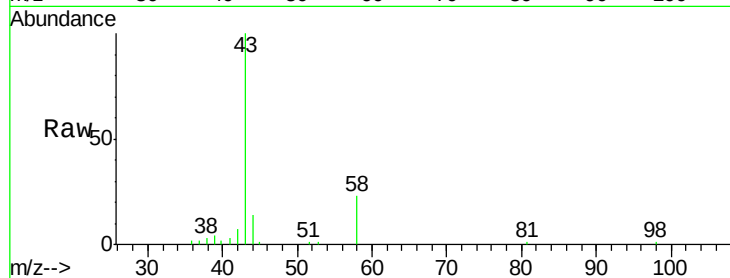
ClientSampleId :

Tot Ion: 43 Resp: 133286

Ion Ratio Lower Upper

43 100

58 22.9 12.7 19.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.63

40000

30000

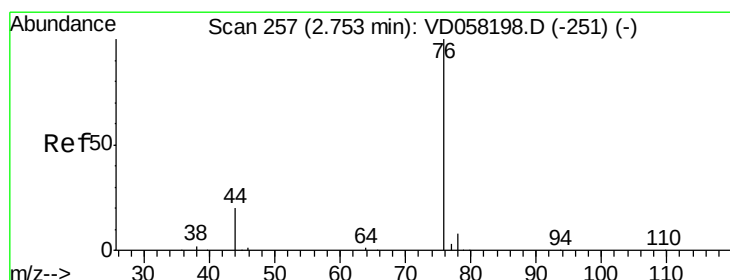
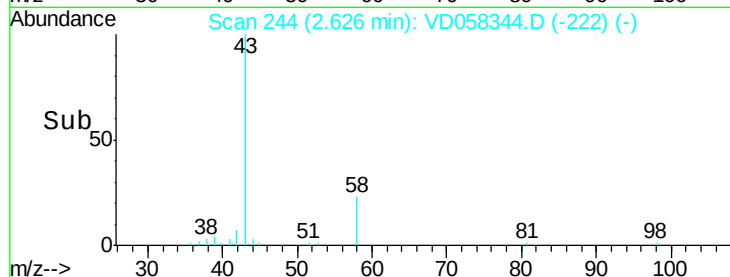
20000

10000

0

2.50 2.60 2.70 2.80

Time-->



#17

Carbon Disulfide

Concen: 1.54 ug/l

RT: 2.78 min Scan# 260

Delta R.T. 0.03 min

Lab File: VD058344.D

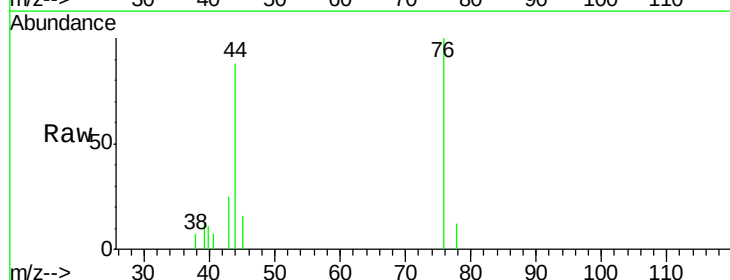
Acq: 23 Jun 2018 16:46

Tgt Ion: 76 Resp: 11778

Ion Ratio Lower Upper

76 100

78 12.1 6.8 10.2#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

2.78

6000

5000

4000

3000

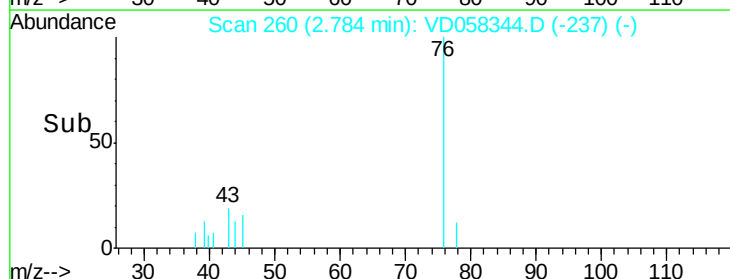
2000

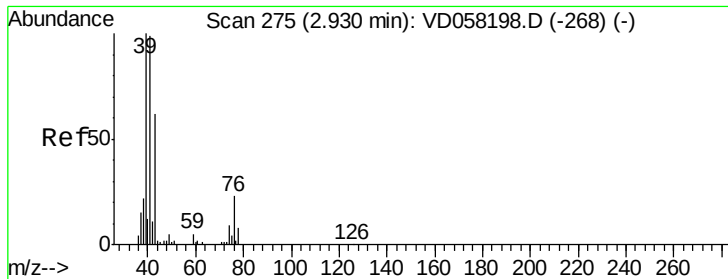
1000

0

2.70 2.75 2.80 2.85

Time-->

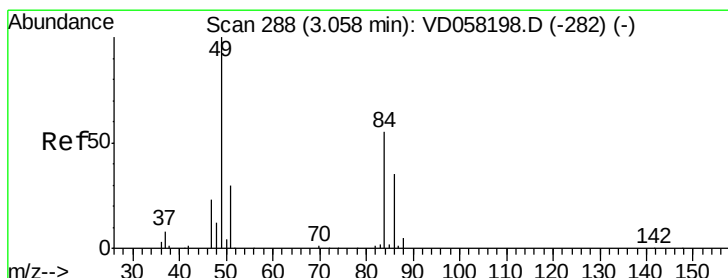
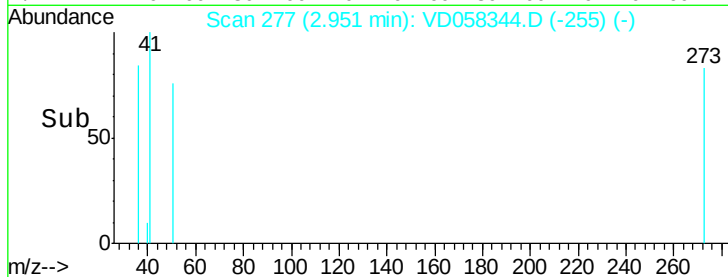
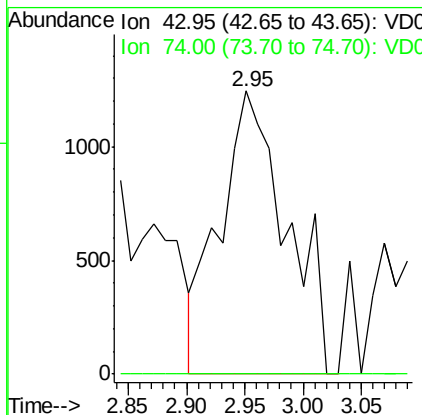
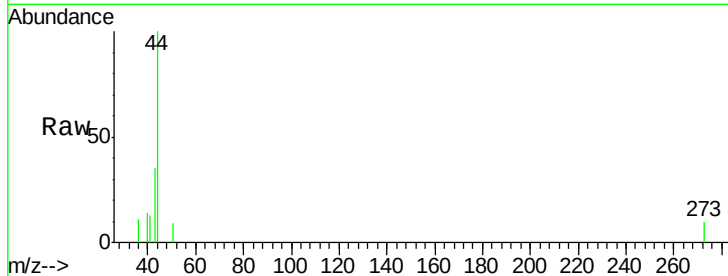




#18
Methvl Acetate
Concen: 2.57 ug/l
RT: 2.95 min Scan# 277
Delta R.T. 0.02 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

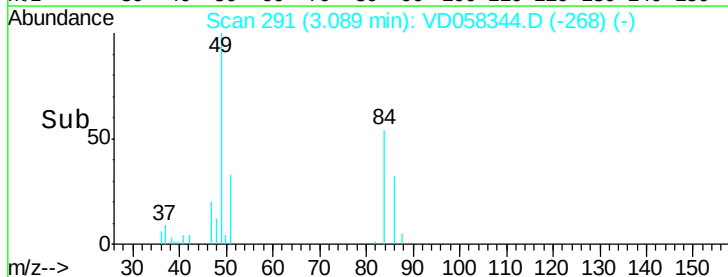
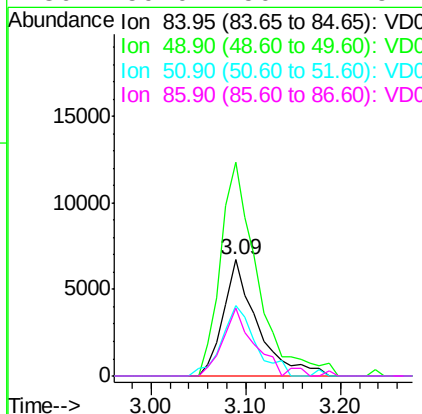
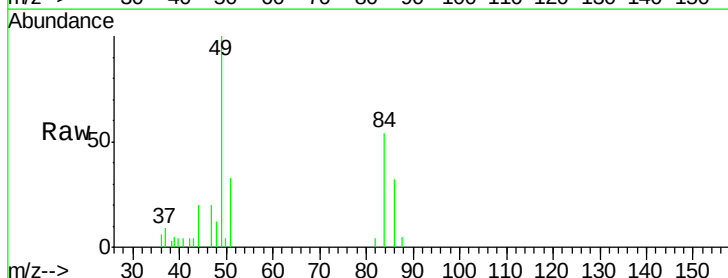
Instrument :
MSVOA_D
ClientSampleId :

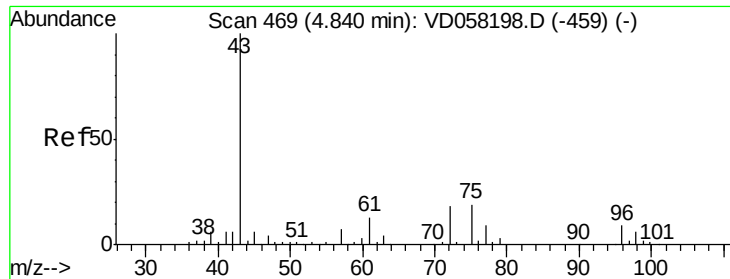
Tot Ion: 43 Resp: 4945
Ion Ratio Lower Upper
43 100
74 0.0 11.7 17.5#



#20
Methylene Chloride
Concen: 2.56 ug/l
RT: 3.09 min Scan# 291
Delta R.T. 0.03 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

Tgt Ion: 84 Resp: 16665
Ion Ratio Lower Upper
84 100
49 184.2 145.0 217.6
51 60.9 42.9 64.3
86 59.0 50.1 75.1





#25

2-Butanone

Concen: 37.12 ug/l

RT: 4.85 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

Instrument :

MSVOA_D

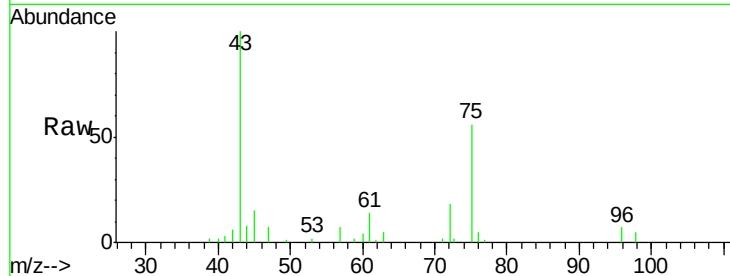
ClientSampleId :

Tot Ion: 43 Resp: 72976

Ion Ratio Lower Upper

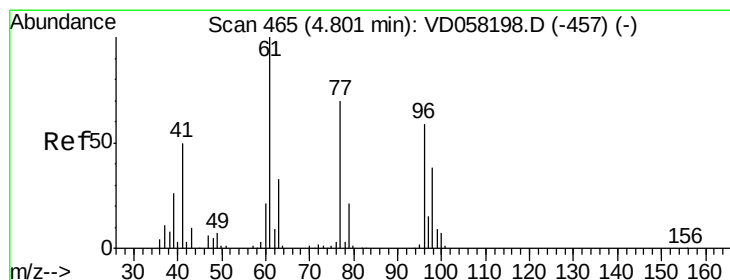
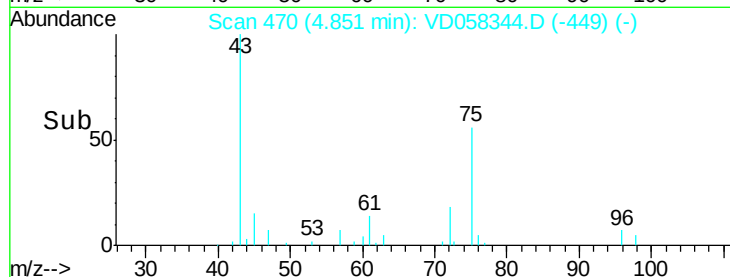
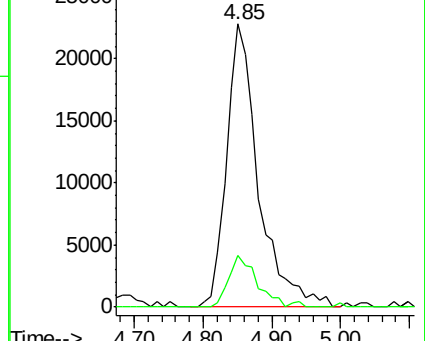
43 100

72 19.9 14.1 21.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#27

cis-1,2-Dichloroethene

Concen: 2.49 ug/l

RT: 4.83 min Scan# 468

Delta R.T. 0.03 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

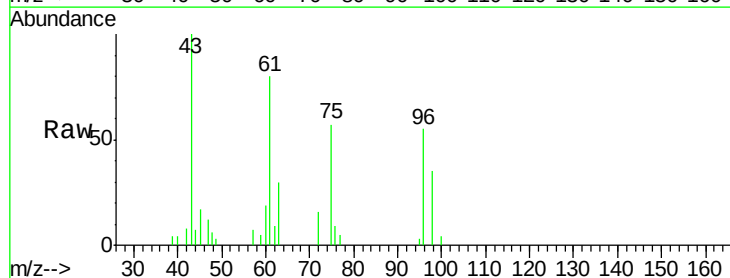
Tgt Ion: 96 Resp: 15281

Ion Ratio Lower Upper

96 100

61 147.2 0.0 338.6

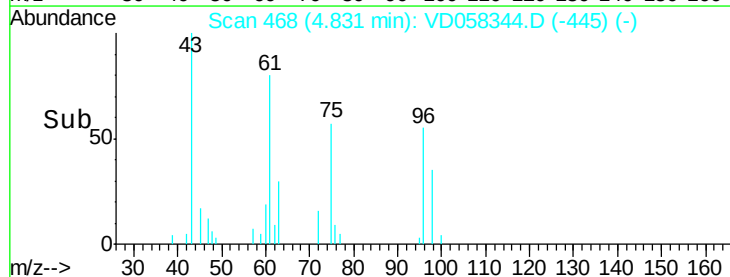
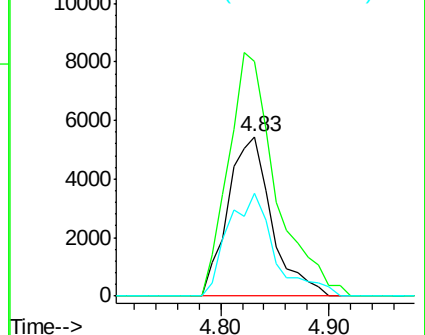
98 64.8 0.0 130.2

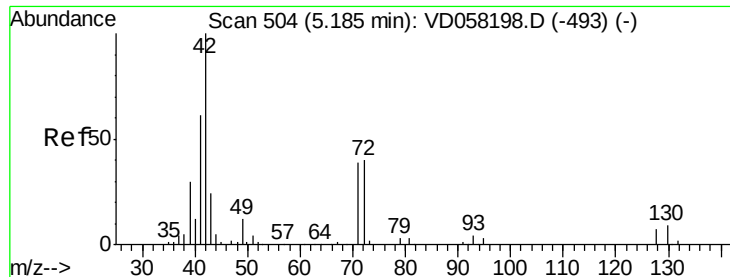


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

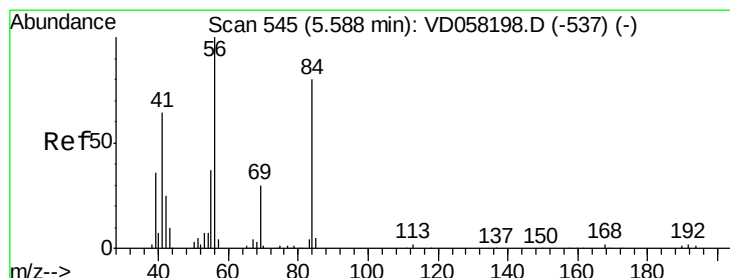
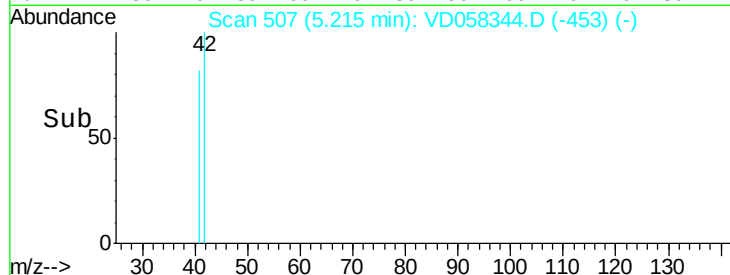
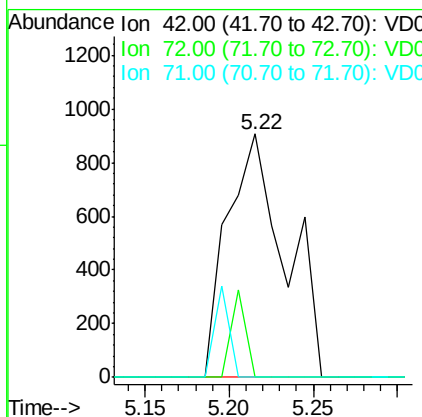
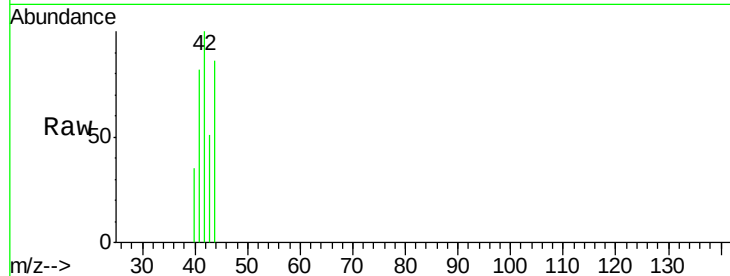




#29
Tetrahydrofuran
Concen: 2.06 ug/l
RT: 5.22 min Scan# 507
Delta R.T. 0.03 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

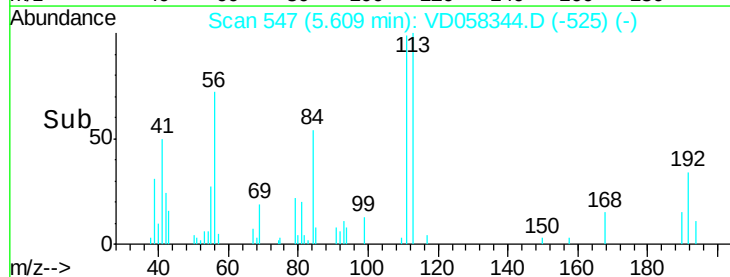
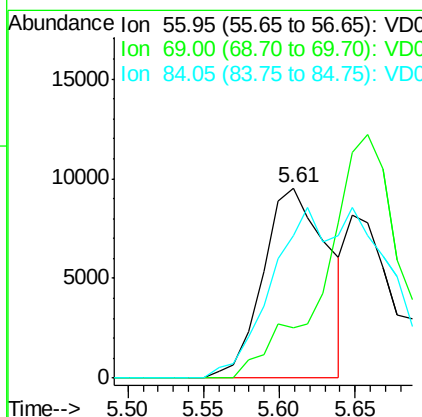
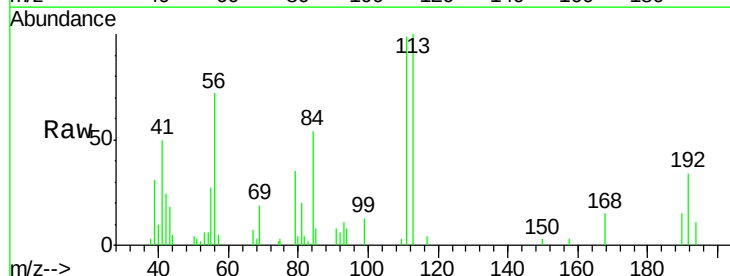
Instrument :
MSVOA_D
ClientSampled :

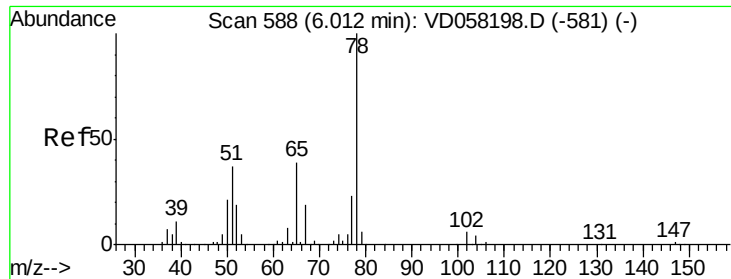
Tot Ion: 42 Resp: 2155
Ion Ratio Lower Upper
42 100
72 0.0 30.2 45.2#
71 9.3 30.1 45.1#



#31
Cyclohexane
Concen: Below Cal
RT: 5.61 min Scan# 547
Delta R.T. 0.02 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

Tgt Ion: 56 Resp: 28431
Ion Ratio Lower Upper
56 100
69 26.8 23.6 35.4
84 74.8 65.2 97.8

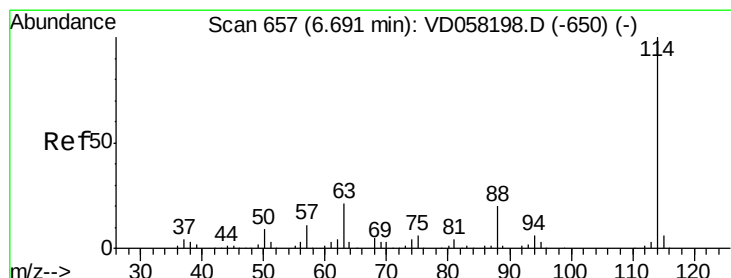
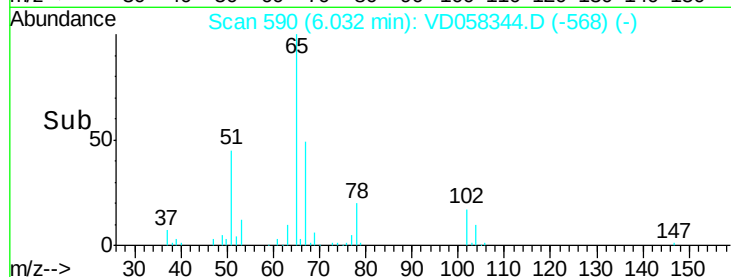
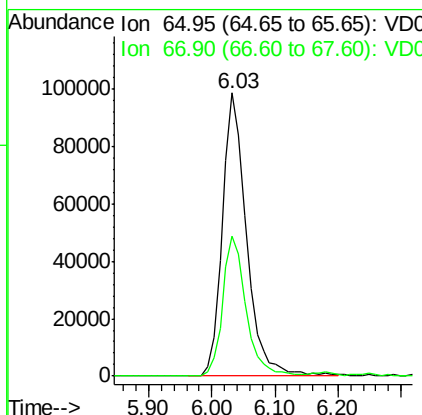
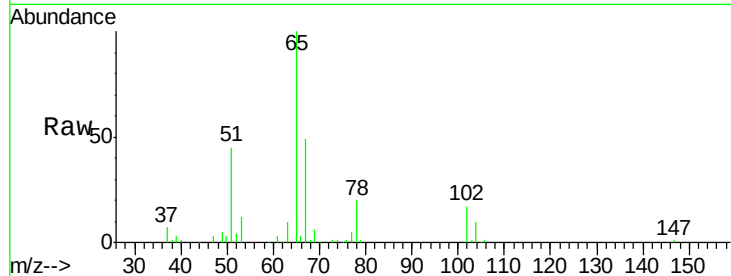




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.03 min Scan# 590
 Delta R.T. 0.02 min
 Lab File: VD058344.D
 Acq: 23 Jun 2018 16:46

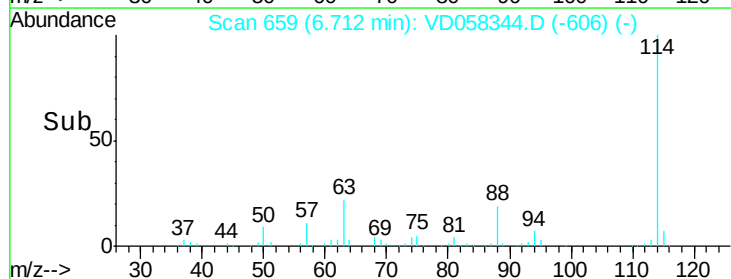
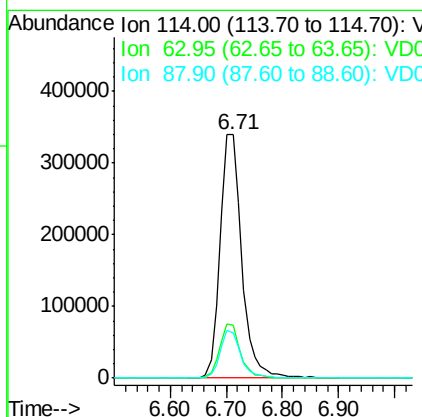
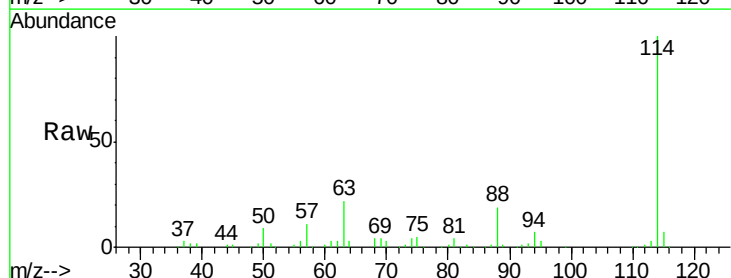
Instrument :
 MSVOA_D
 ClientSampleId :

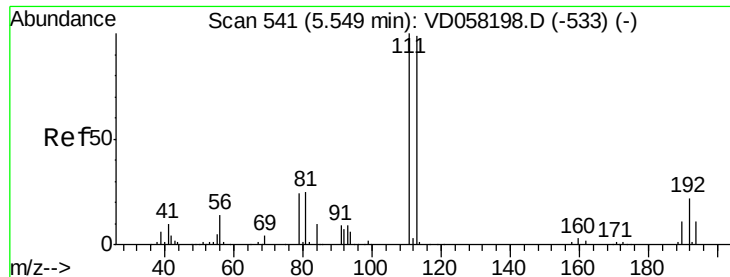
Tot Ion: 65 Resp: 263240
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 97.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.71 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VD058344.D
 Acq: 23 Jun 2018 16:46

Tgt Ion: 114 Resp: 917929
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.6
 88 18.8 0.0 40.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.57 min Scan# 543

Delta R.T. 0.02 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

Instrument :
MSVOA_D
ClientSampled :

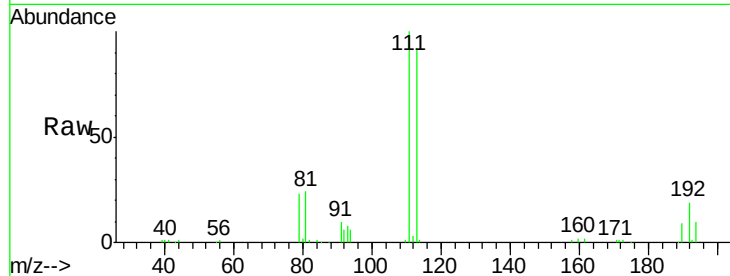
Tot Ion:113 Resp: 275561

Ion Ratio Lower Upper

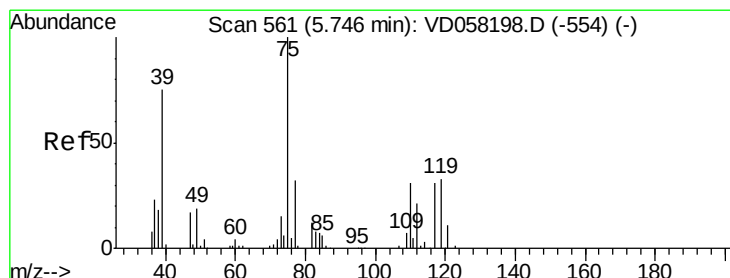
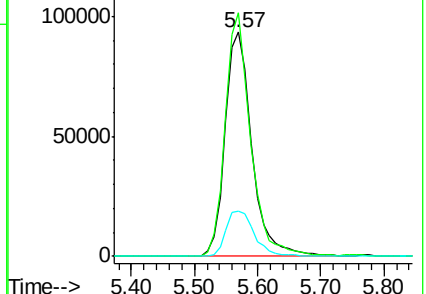
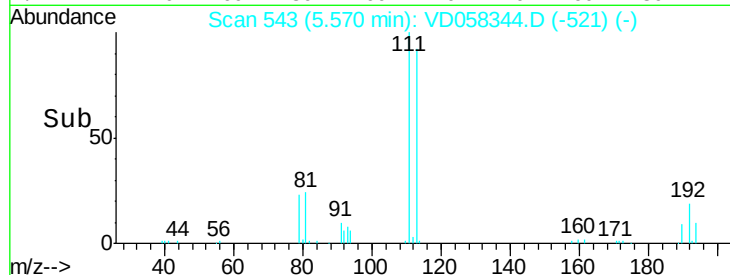
113 100

111 108.8 80.6 121.0

192 20.4 17.8 26.6



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 6.34 ug/l

RT: 5.66 min Scan# 552

Delta R.T. -0.09 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

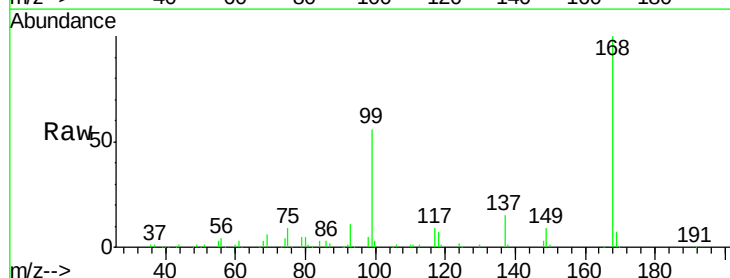
Tgt Ion: 75 Resp: 57536

Ion Ratio Lower Upper

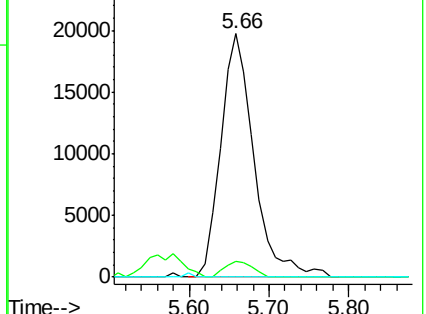
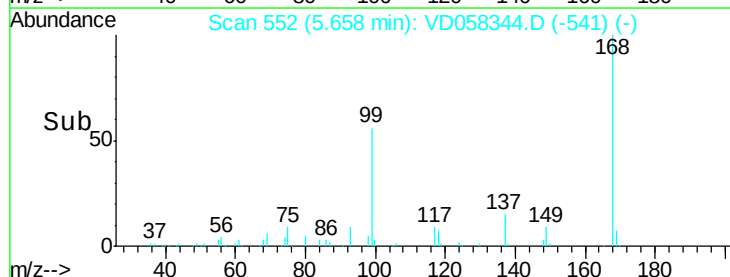
75 100

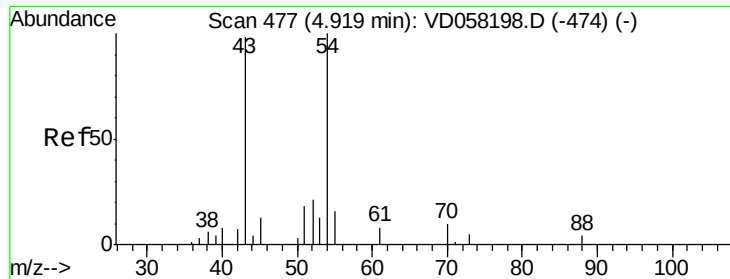
110 6.5 15.4 46.4#

77 0.0 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

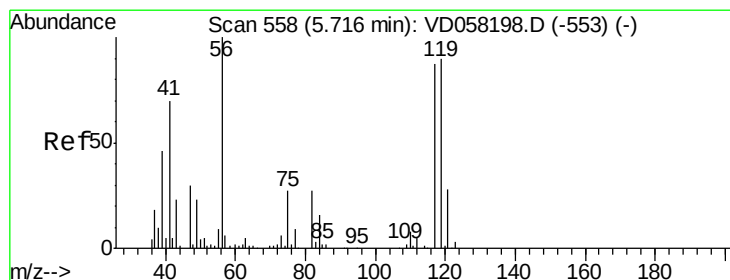
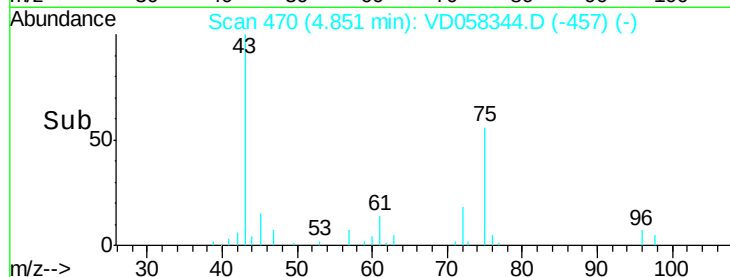
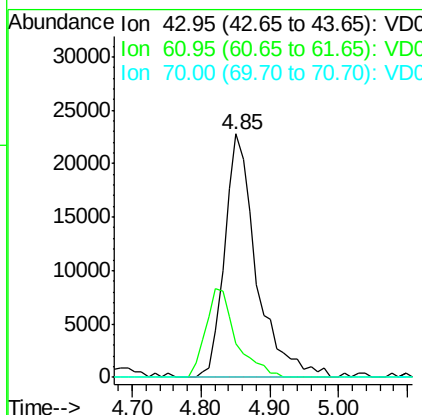
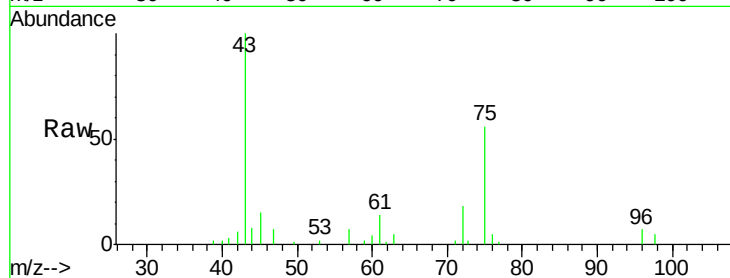




#37
Ethyl Acetate
Concen: 14.10 ug/l
RT: 4.85 min Scan# 470
Delta R.T. -0.07 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

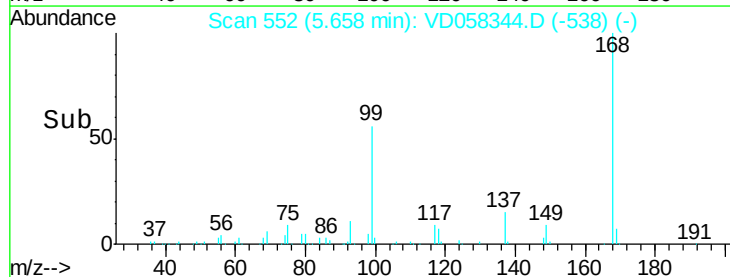
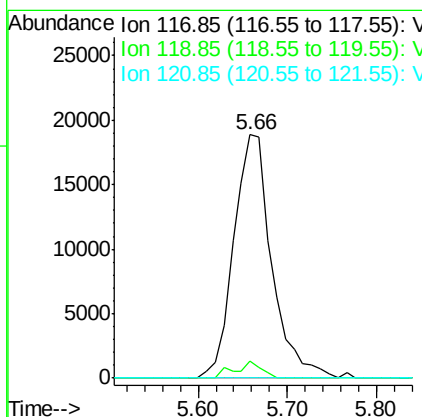
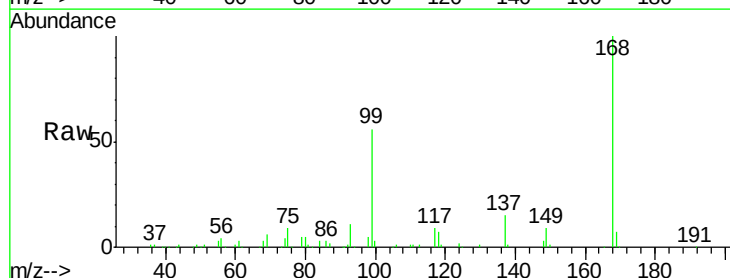
Instrument :
MSVOA_D
ClientSampled :

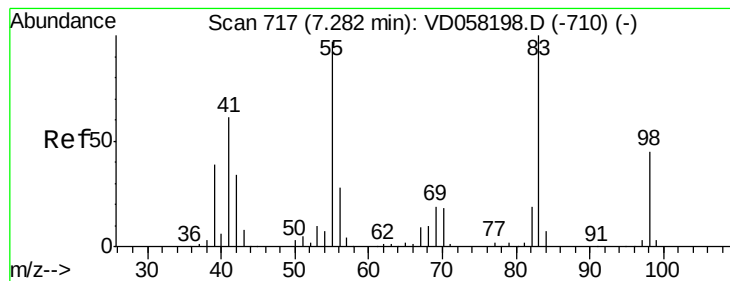
Tot Ion: 43 Resp: 72976
Ion Ratio Lower Upper
43 100
61 14.1 10.3 15.5
70 0.0 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 6.19 ug/l
RT: 5.66 min Scan# 552
Delta R.T. -0.06 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

Tgt Ion: 117 Resp: 55875
Ion Ratio Lower Upper
117 100
119 7.2 78.8 118.2#
121 0.0 25.0 37.6#





#39

Methylvlcyclohexane

Concen: 34.78 ug/l

RT: 7.29 min Scan# 718

Delta R.T. 0.01 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

Instrument :

MSVOA_D

ClientSampleId :

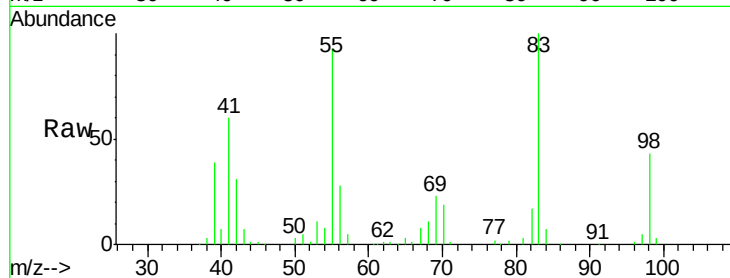
Tot Ion: 83 Resp: 307602

Ion Ratio Lower Upper

83 100

55 93.0 77.4 116.2

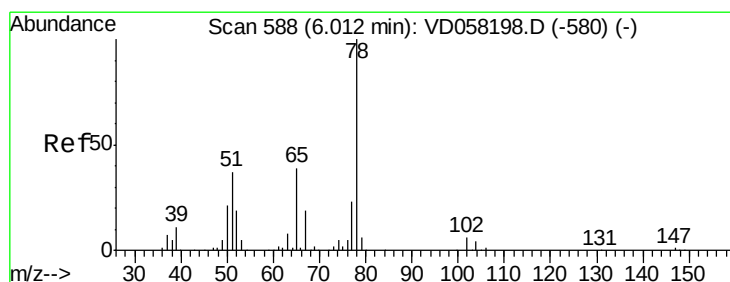
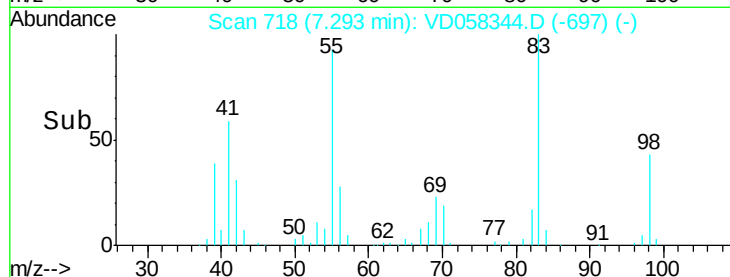
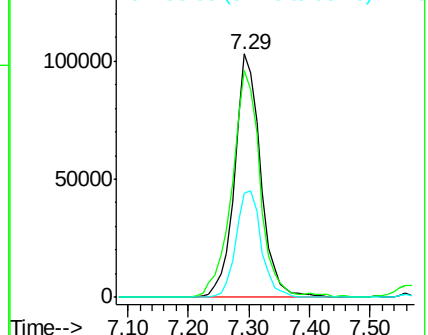
98 42.9 35.9 53.9



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 2.29 ug/l

RT: 6.03 min Scan# 590

Delta R.T. 0.02 min

Lab File: VD058344.D

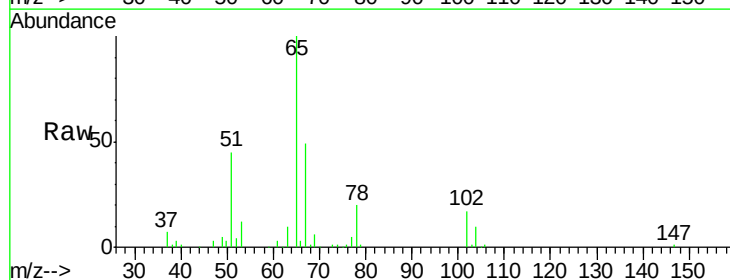
Acq: 23 Jun 2018 16:46

Tgt Ion: 78 Resp: 49615

Ion Ratio Lower Upper

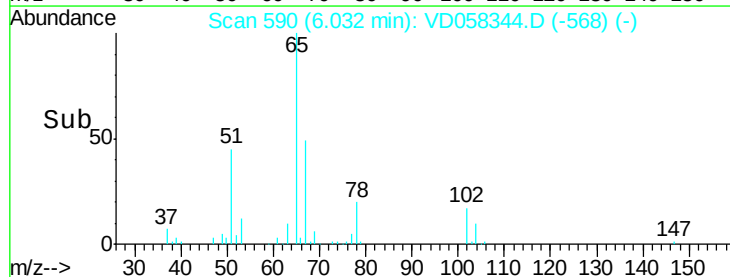
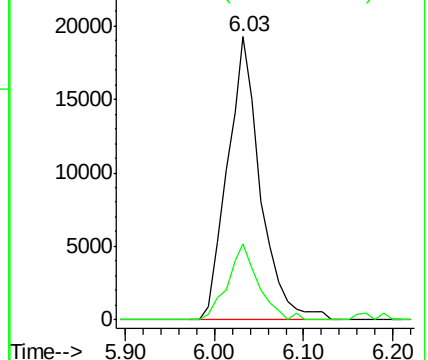
78 100

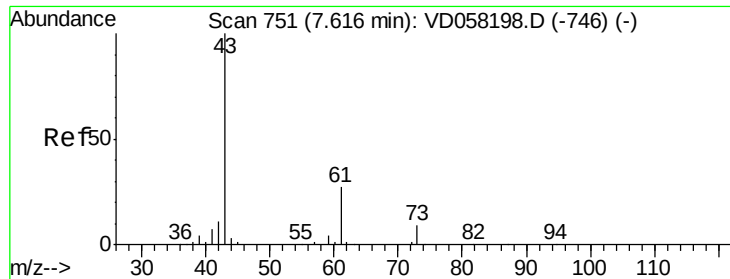
77 26.9 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#43

Isopropyl Acetate

Concen: 1.50 ug/l

RT: 7.67 min Scan# 756

Delta R.T. 0.05 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

Instrument :

MSVOA_D

ClientSampleId :

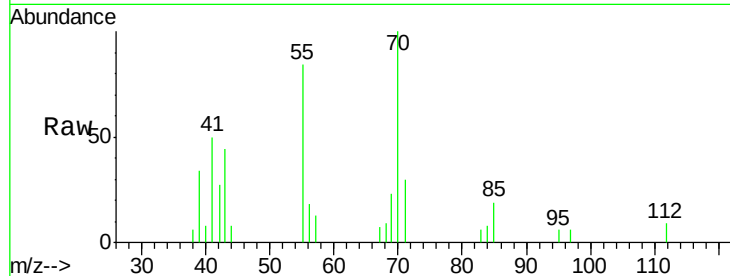
Tot Ion: 43 Resp: 10359

Ion Ratio Lower Upper

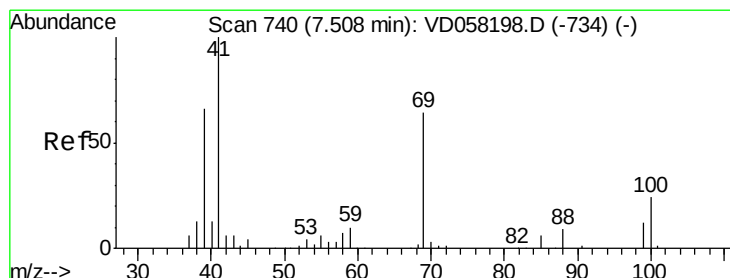
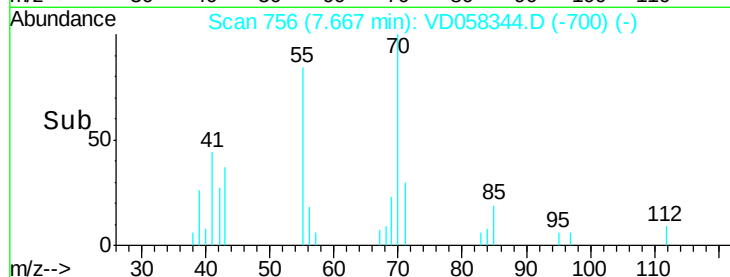
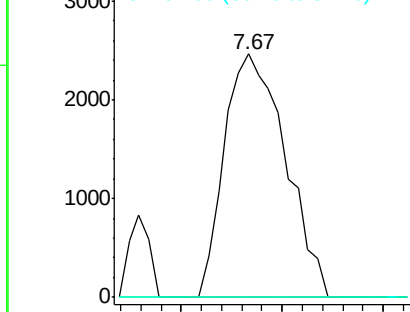
43 100

61 0.0 21.8 32.6#

87 0.0 0.3 0.5#



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



#48

Methyl methacrylate

Concen: 4.20 ug/l

RT: 7.56 min Scan# 745

Delta R.T. 0.05 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

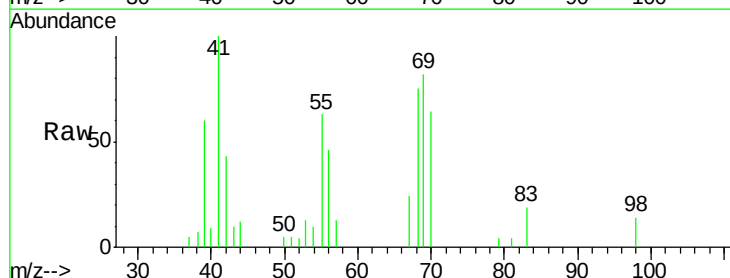
Tgt Ion: 41 Resp: 17603

Ion Ratio Lower Upper

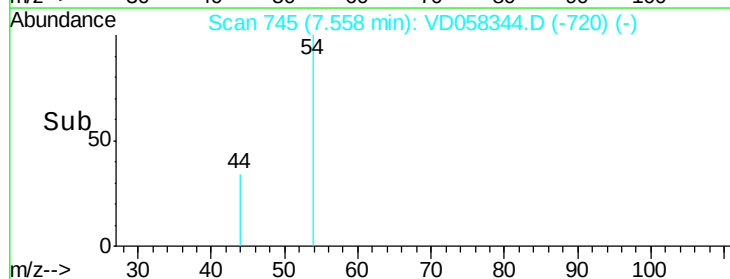
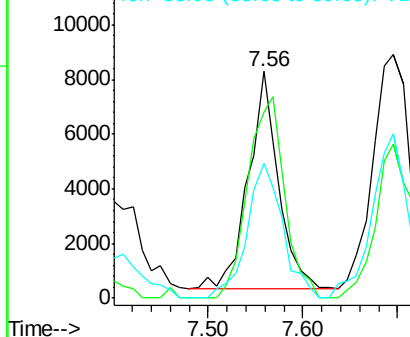
41 100

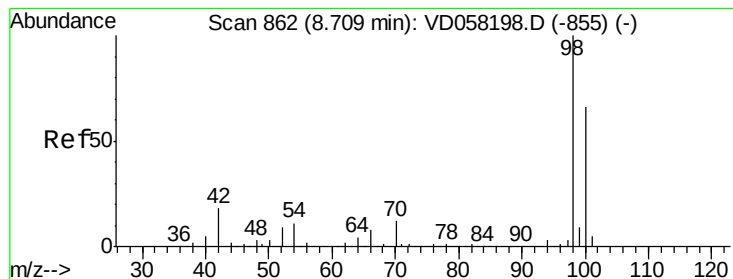
69 82.3 50.7 76.1#

39 59.7 52.6 78.8



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





#50

Toluene-d8

Concen: N.D. ug/l

RT: 8.72 min Scan# 863

Delta R.T. 0.01 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

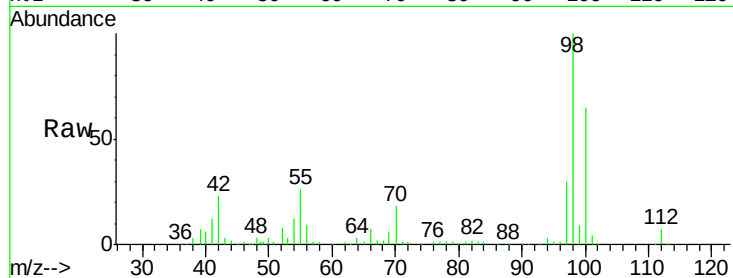
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 596201

Ion Ratio Lower Upper

98 100

100 64.9 53.6 80.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

8.72

300000

250000

200000

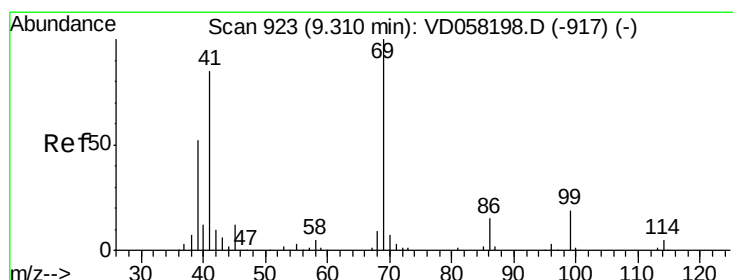
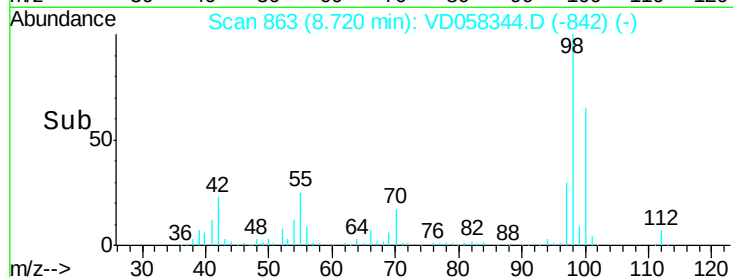
150000

100000

50000

0

Time-->



#56

Ethyl methacrylate

Concen: 3.58 ug/l

RT: 9.38 min Scan# 930

Delta R.T. 0.07 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

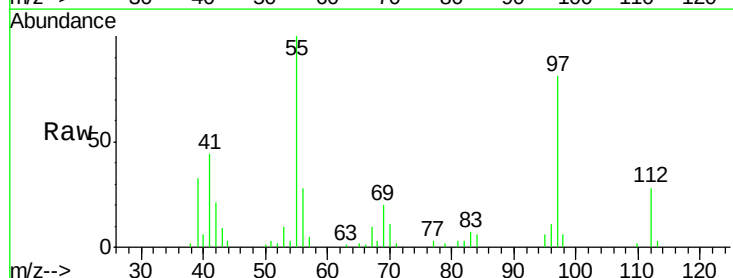
Tgt Ion: 69 Resp: 18680

Ion Ratio Lower Upper

69 100

41 213.7 67.6 101.4#

39 159.0 42.2 63.2#



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

20000

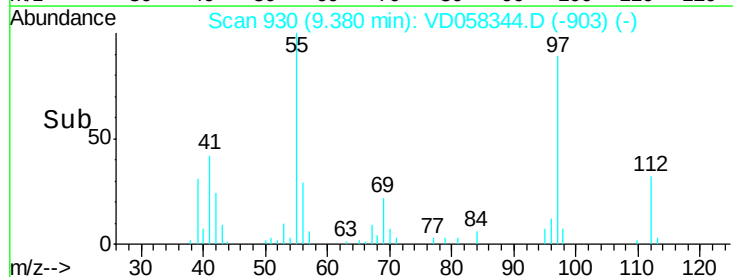
15000

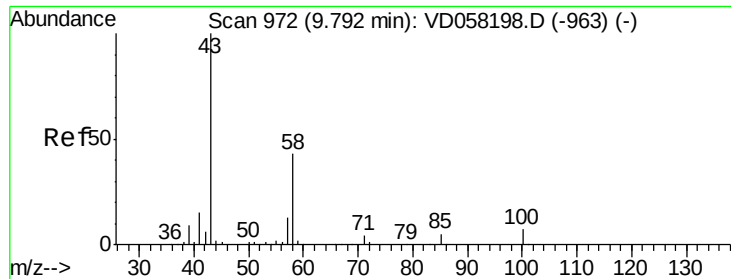
10000

5000

0

Time-->

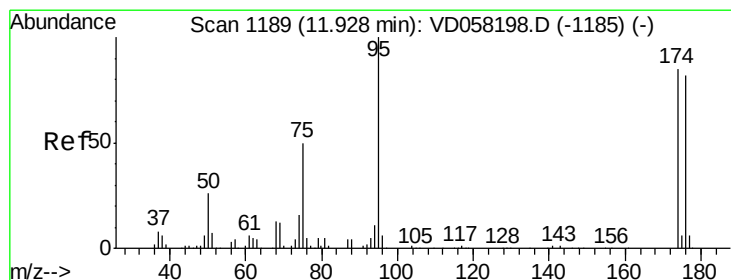
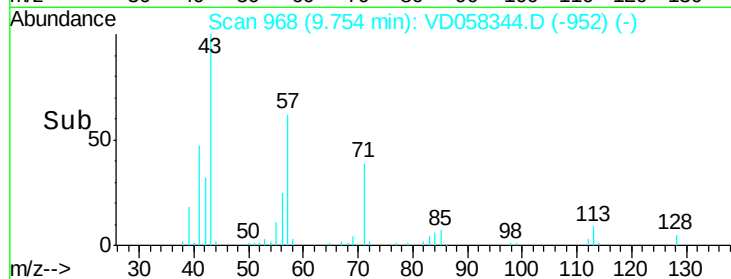
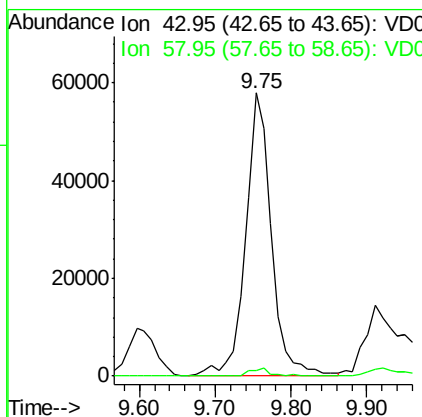
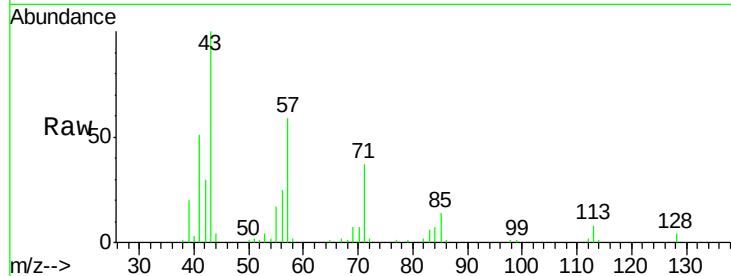




#59
 2-Hexanone
 Concen: 42.12 ug/l
 RT: 9.75 min Scan# 968
 Delta R.T. -0.04 min
 Lab File: VD058344.D
 Acq: 23 Jun 2018 16:46

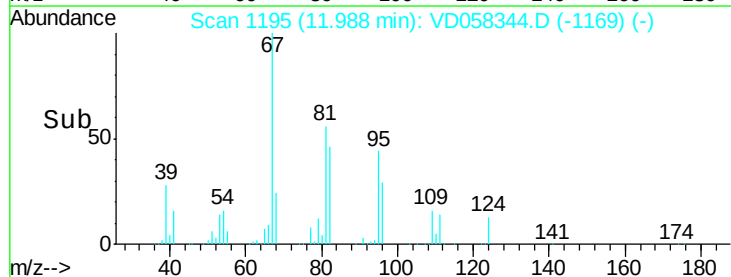
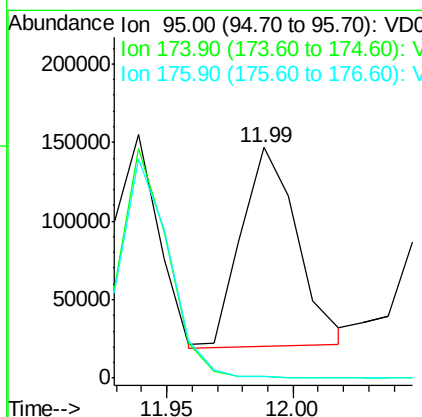
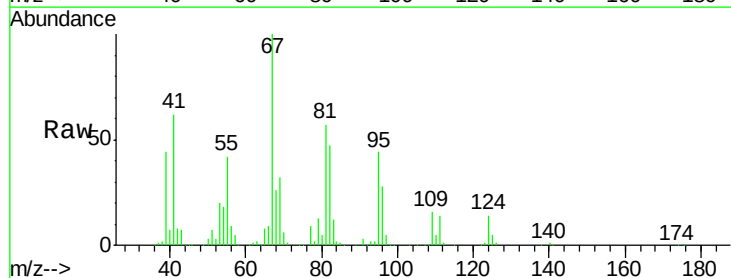
Instrument :
 MSVOA_D
 ClientSampleId :

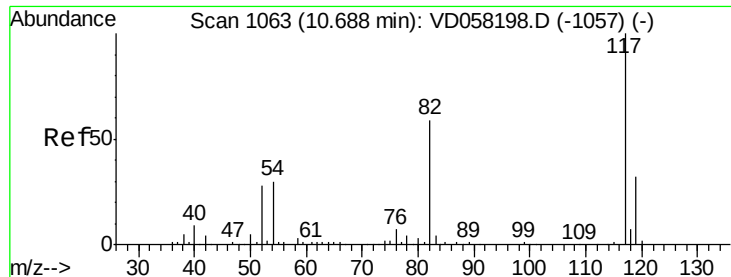
Tot Ion: 43 Resp: 136945
 Ion Ratio Lower Upper
 43 100
 58 2.2 21.7 65.1#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 11.99 min Scan# 1195
 Delta R.T. 0.06 min
 Lab File: VD058344.D
 Acq: 23 Jun 2018 16:46

Tgt Ion: 95 Resp: 195627
 Ion Ratio Lower Upper
 95 100
 174 0.6 0.0 170.2
 176 0.5 0.0 164.6

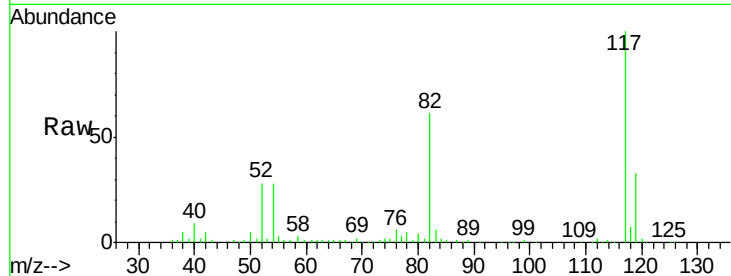




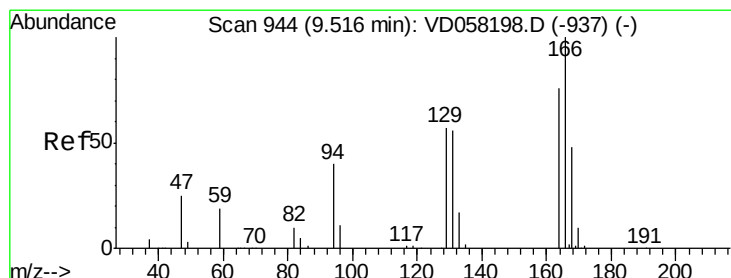
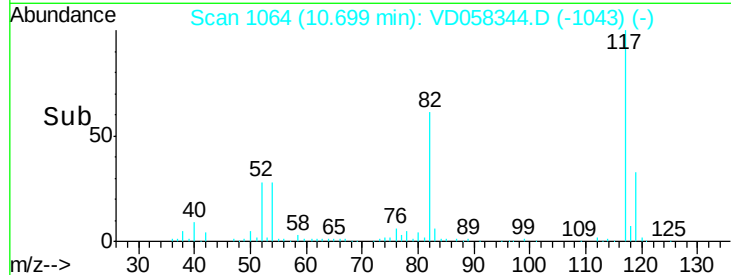
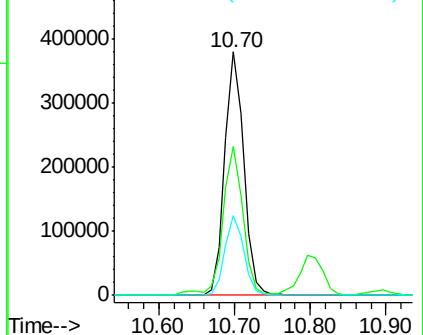
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.70 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 665929
Ion Ratio Lower Upper
117 100
82 61.1 47.0 70.6
119 32.7 25.3 37.9

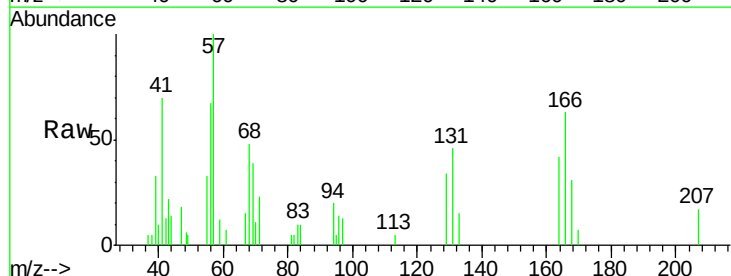


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

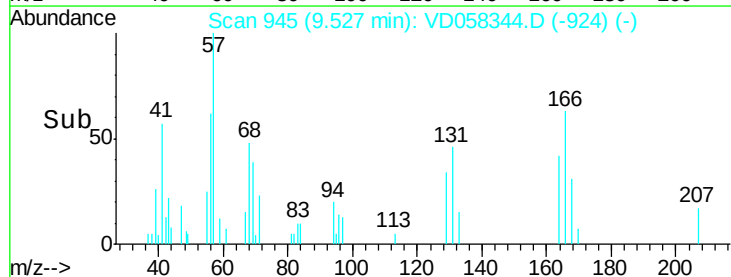
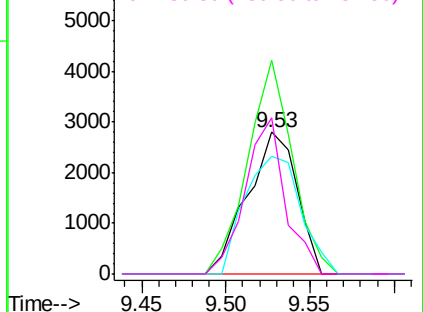


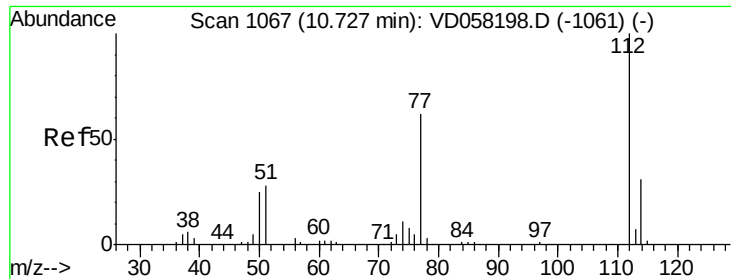
#64
Tetrachloroethene
Concen: 1.02 ug/l
RT: 9.53 min Scan# 945
Delta R.T. 0.01 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

Tgt Ion:164 Resp: 5735
Ion Ratio Lower Upper
164 100
166 150.4 105.4 158.0
129 82.6 59.6 89.4
131 109.6 59.4 89.2#



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





#65

Chlorobenzene

Concen: 152.85 ug/l

RT: 10.74 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

Instrument :

MSVOA_D

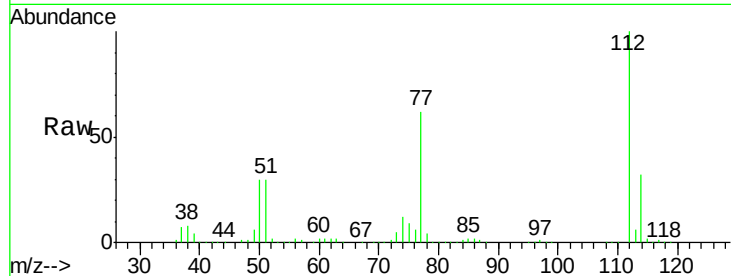
ClientSampled :

Tot Ion:112 Resp: 1904002

Ion Ratio Lower Upper

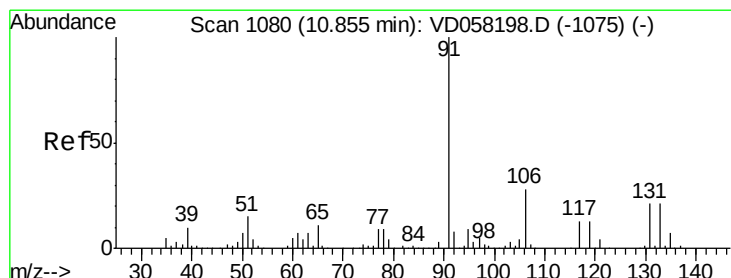
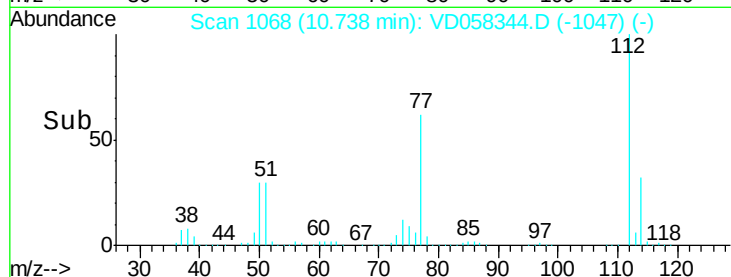
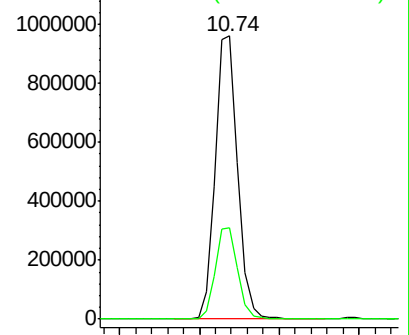
112 100

114 32.1 25.0 37.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#67

Ethyl Benzene

Concen: 1.39 ug/l

RT: 10.87 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VD058344.D

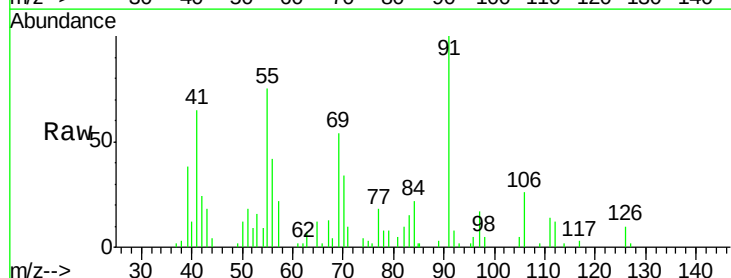
Acq: 23 Jun 2018 16:46

Tgt Ion: 91 Resp: 30628

Ion Ratio Lower Upper

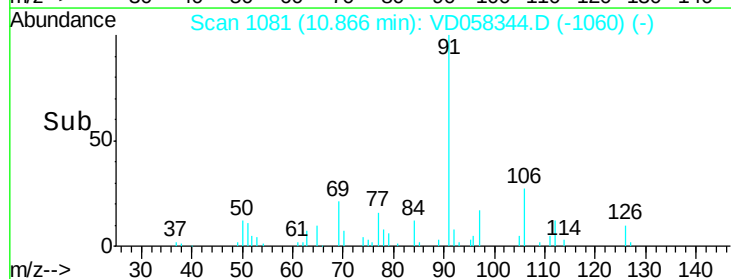
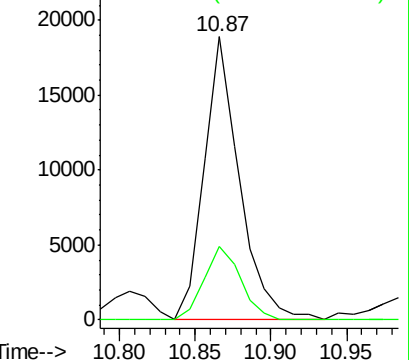
91 100

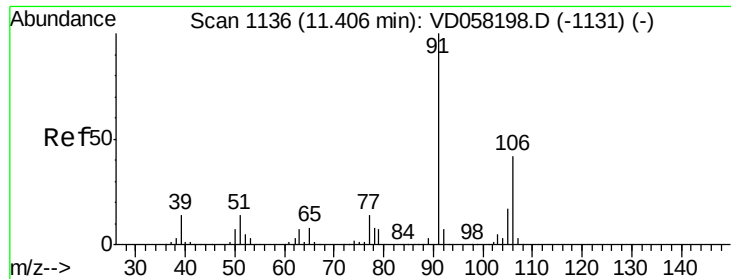
106 26.0 22.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

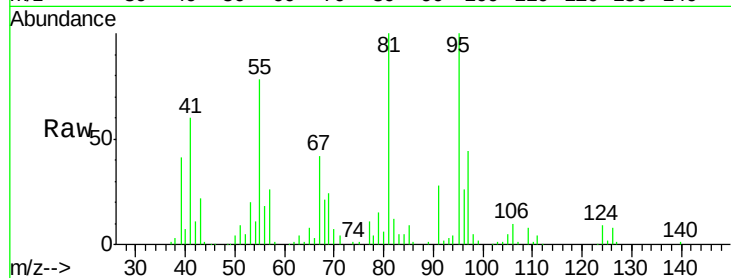




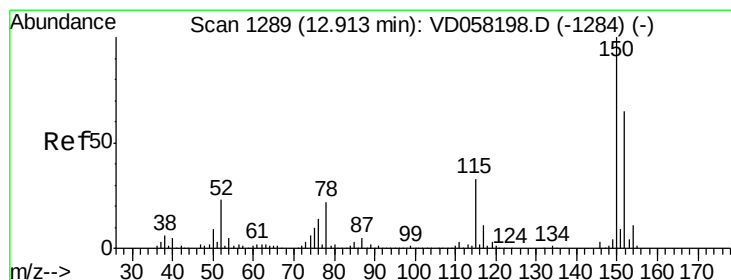
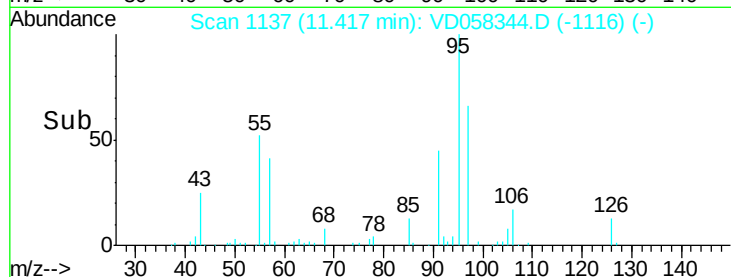
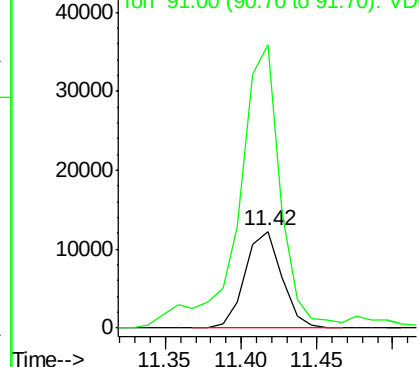
#69
o-Xylene
Concen: 2.96 ug/l
RT: 11.42 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 20701
Ion Ratio Lower Upper
106 100
91 292.1 120.2 360.6

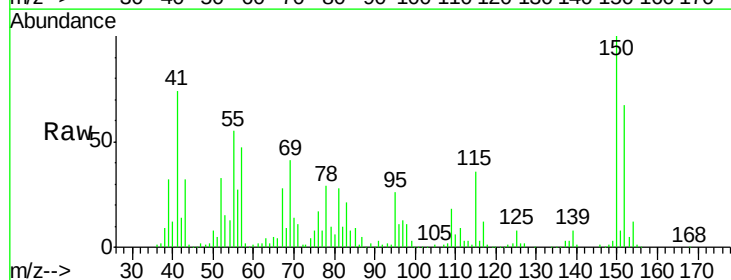


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

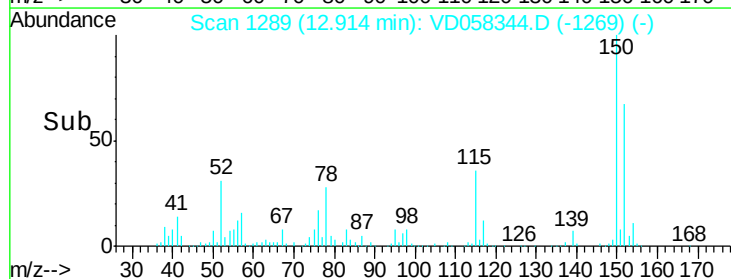
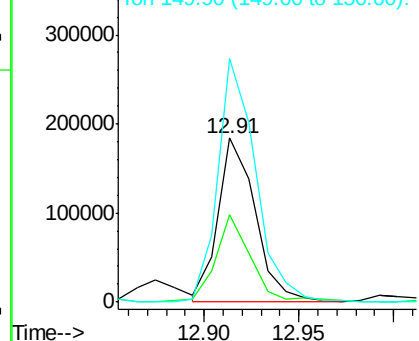


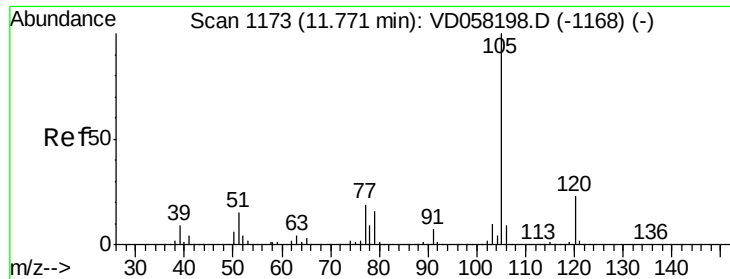
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.91 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

Tgt Ion:152 Resp: 247908
Ion Ratio Lower Upper
152 100
115 53.3 25.1 75.3
150 148.4 0.0 308.8



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

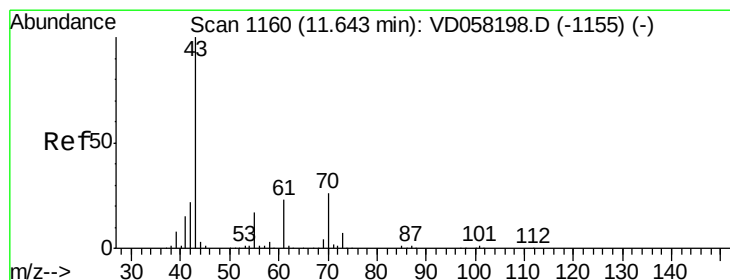
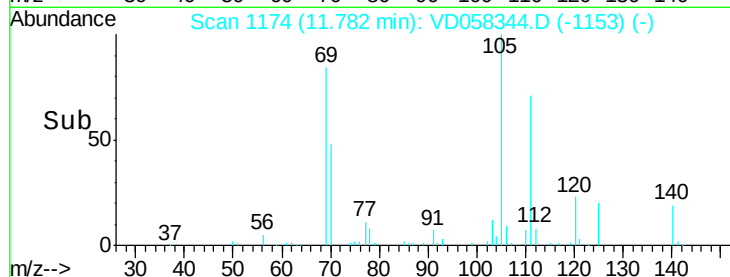
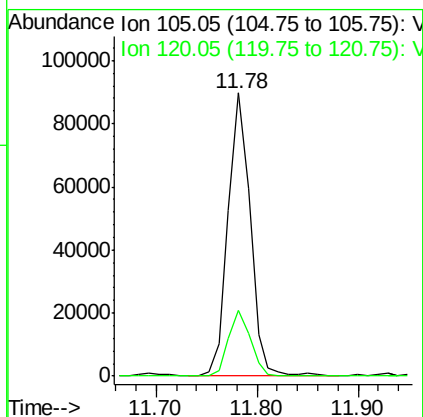
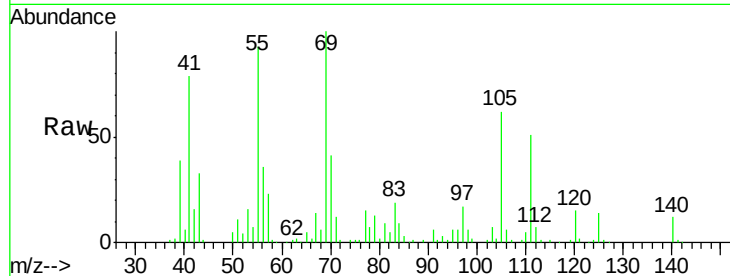




#73
Isopropylbenzene
Concen: 9.27 ug/l
RT: 11.78 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

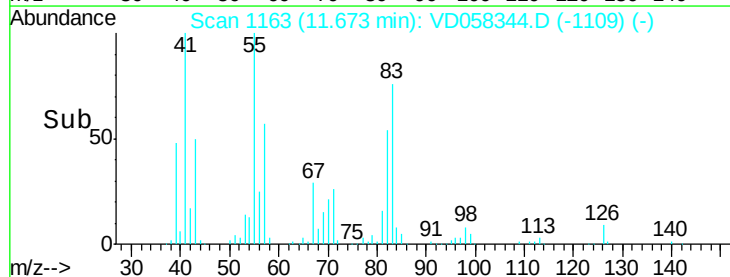
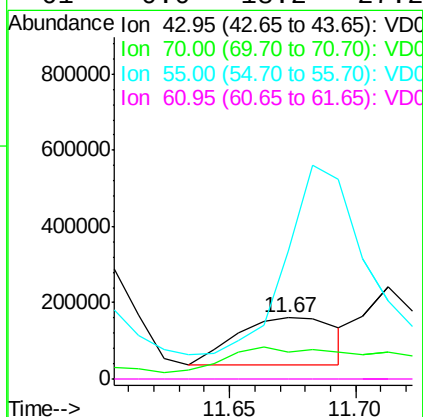
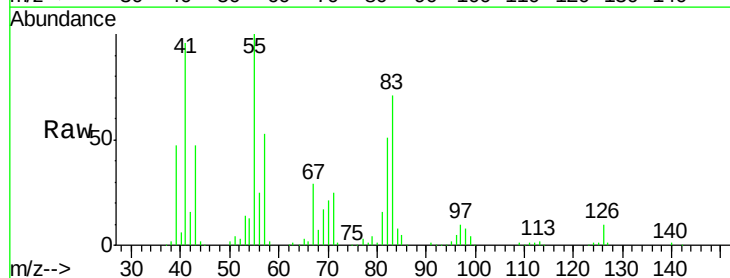
Instrument :
MSVOA_D
ClientSampled :

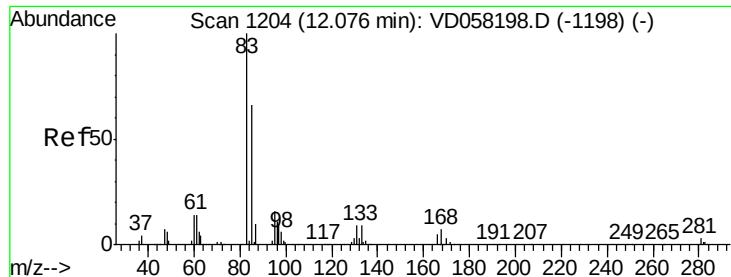
Tot Ion:105 Resp: 137505
Ion Ratio Lower Upper
105 100
120 23.4 11.6 34.8



#74
N-ethyl acetate
Concen: 59.60 ug/l
RT: 11.67 min Scan# 1163
Delta R.T. 0.03 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

Tgt Ion: 43 Resp: 341703
Ion Ratio Lower Upper
43 100
70 45.0 20.9 31.3#
55 210.9 13.5 20.3#
61 0.0 18.2 27.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 83.10 ug/l

RT: 12.10 min Scan# 1206

Delta R.T. 0.02 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

Instrument :

MSVOA_D

ClientSampled :

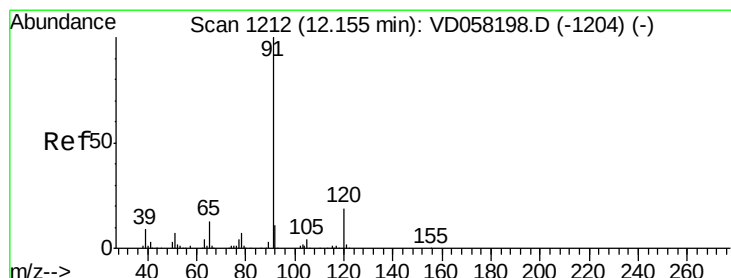
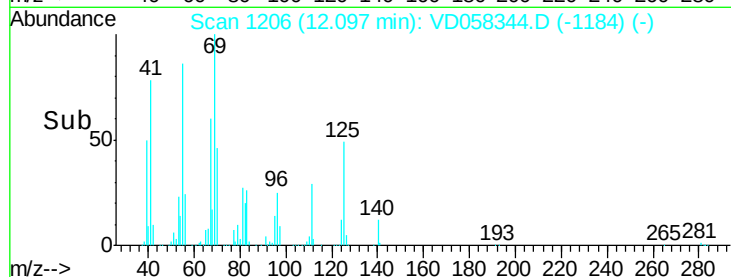
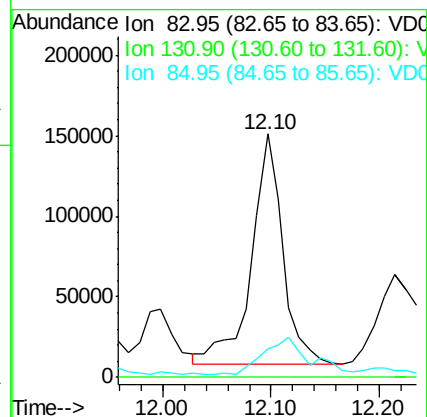
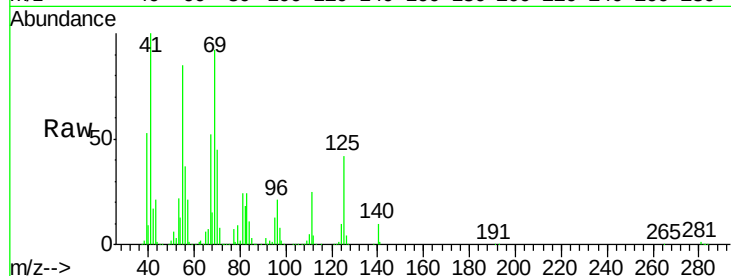
Tot Ion: 83 Resp: 286760

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 11.7 33.1 99.5#



#78

n-propylbenzene

Concen: 5.31 ug/l

RT: 12.17 min Scan# 1213

Delta R.T. 0.01 min

Lab File: VD058344.D

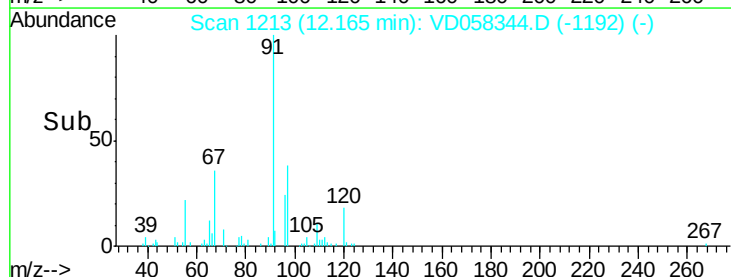
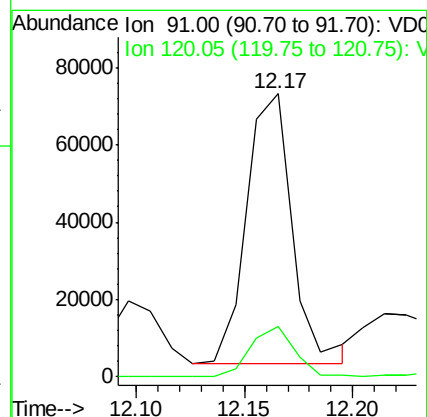
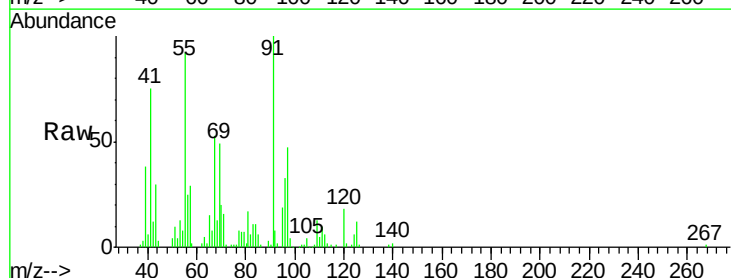
Acq: 23 Jun 2018 16:46

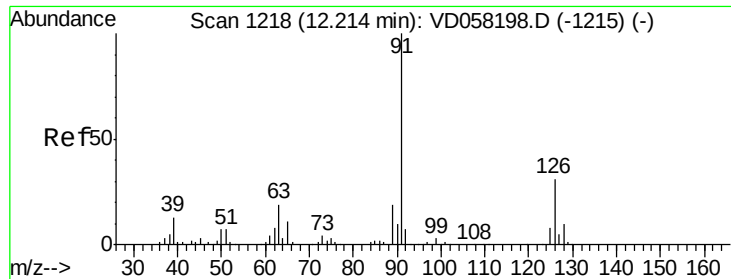
Tgt Ion: 91 Resp: 101654

Ion Ratio Lower Upper

91 100

120 17.8 9.7 29.1

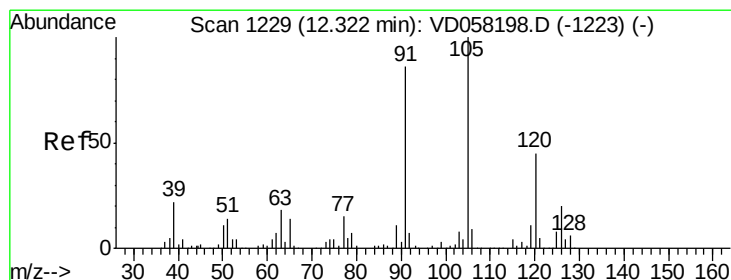
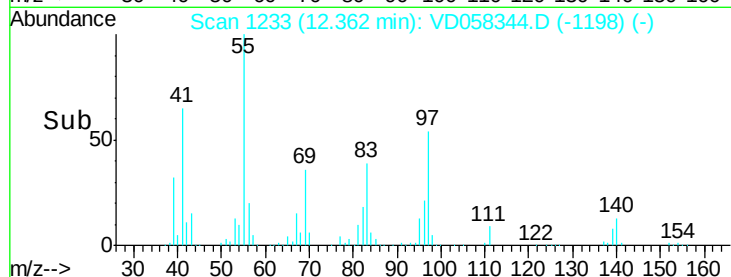
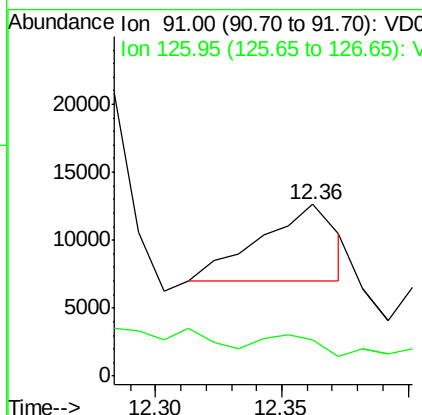
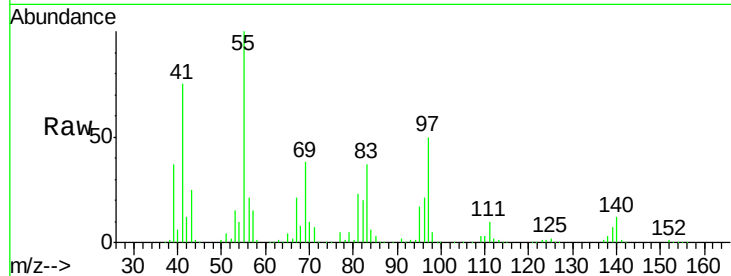




#79
 2-Chlorotoluene
 Concen: 1.07 ug/l
 RT: 12.36 min Scan# 1233
 Delta R.T. 0.15 min
 Lab File: VD058344.D
 Acq: 23 Jun 2018 16:46

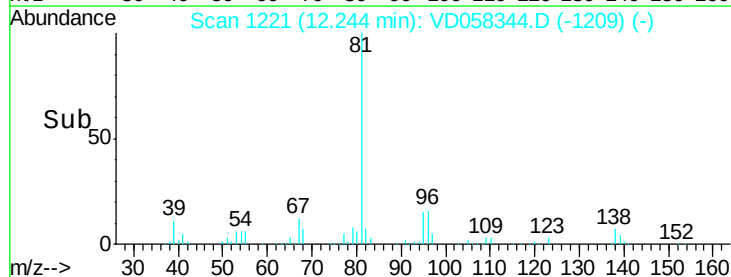
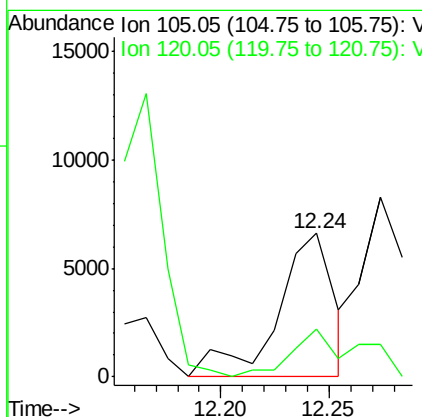
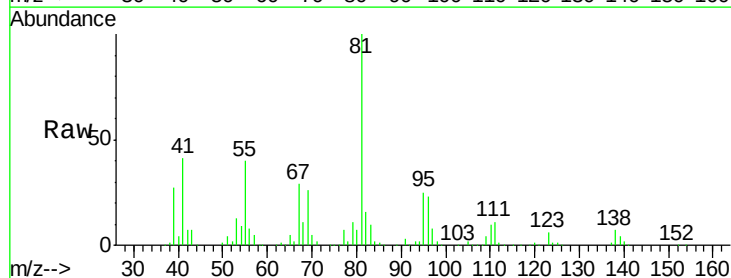
Instrument :
 MSVOA_D
 ClientSampled :

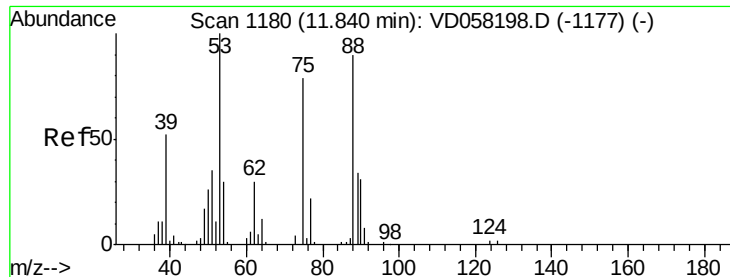
Tot Ion: 91 Resp: 11774
 Ion Ratio Lower Upper
 91 100
 126 21.0 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 1.04 ug/l
 RT: 12.24 min Scan# 1221
 Delta R.T. -0.08 min
 Lab File: VD058344.D
 Acq: 23 Jun 2018 16:46

Tgt Ion: 105 Resp: 12039
 Ion Ratio Lower Upper
 105 100
 120 33.4 22.5 67.5





#81

trans-1,4-Dichloro-2-butene

Concen: 114.66 ug/l

RT: 11.94 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

Instrument :

MSVOA_D

ClientSampled :

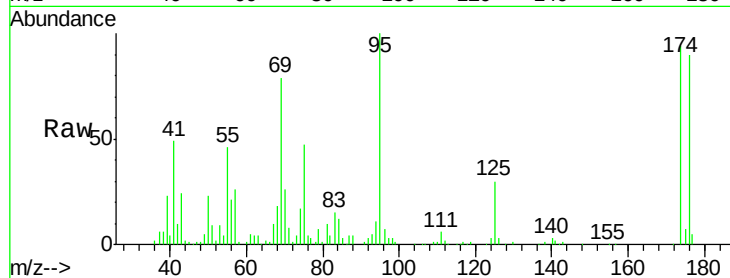
Tot Ion: 75 Resp: 101219

Ion Ratio Lower Upper

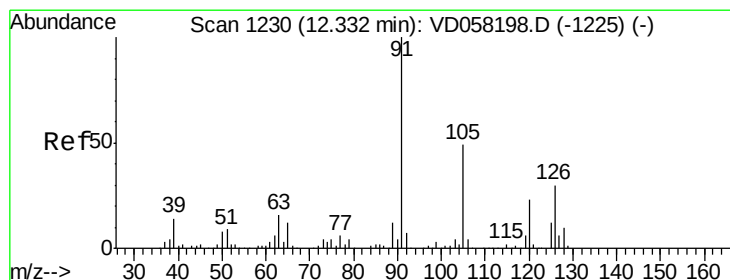
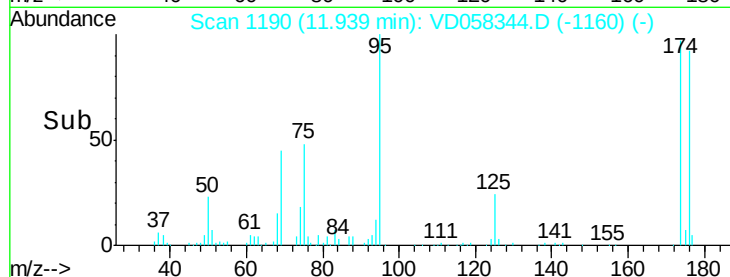
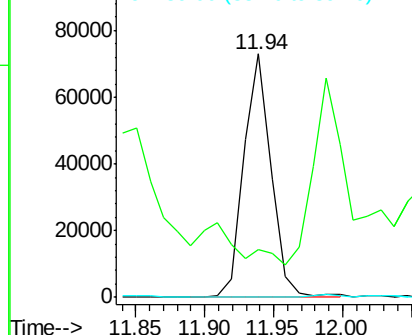
75 100

53 19.6 100.8 151.2#

89 0.0 34.6 52.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.36 min Scan# 1233

Delta R.T. 0.03 min

Lab File: VD058344.D

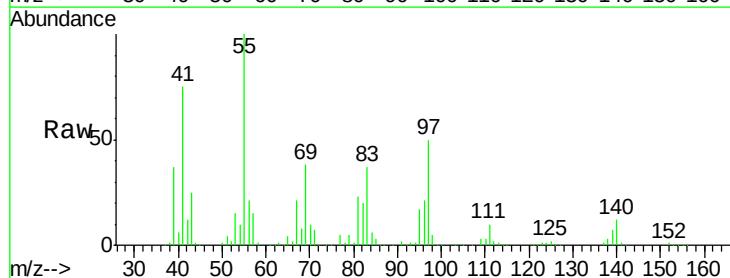
Acq: 23 Jun 2018 16:46

Tgt Ion: 91 Resp: 23336

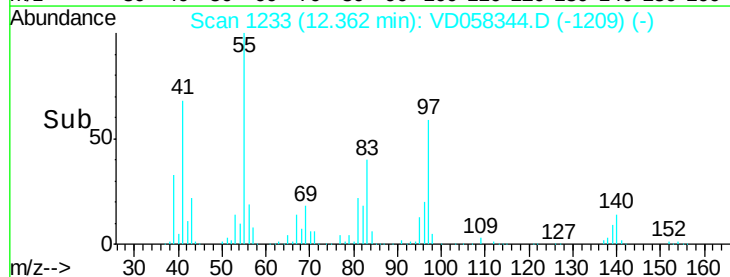
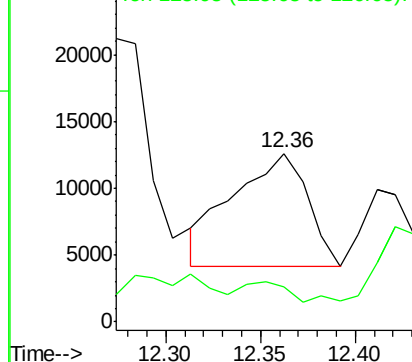
Ion Ratio Lower Upper

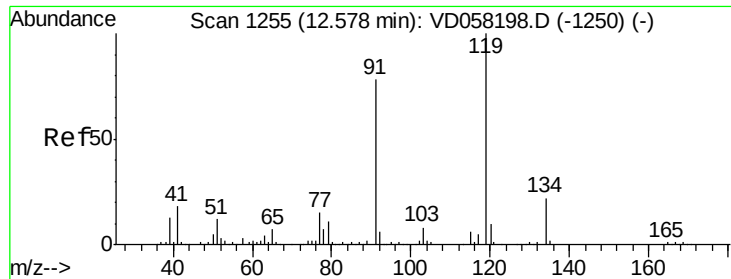
91 100

126 21.0 14.9 44.9



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

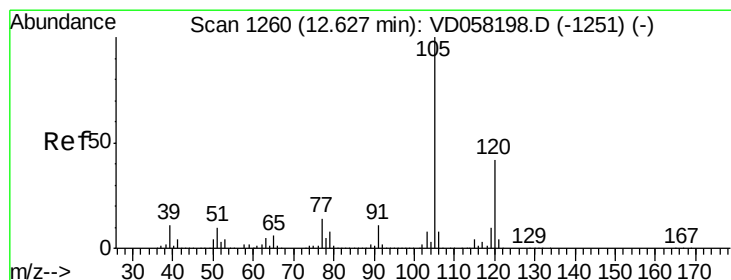
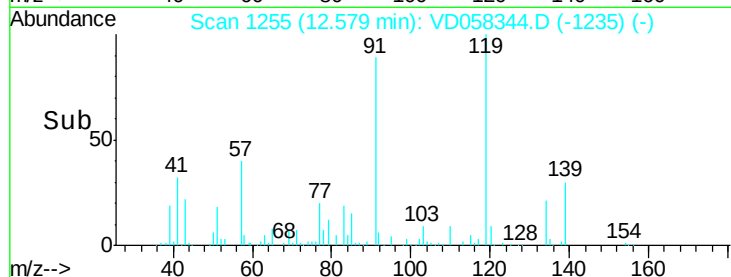
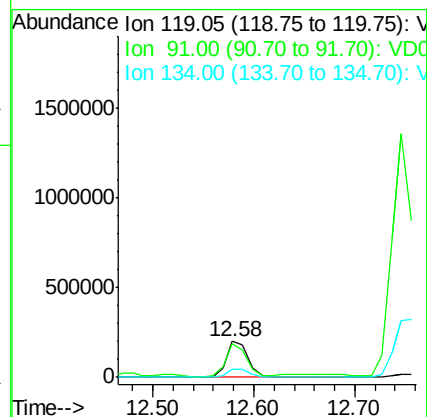
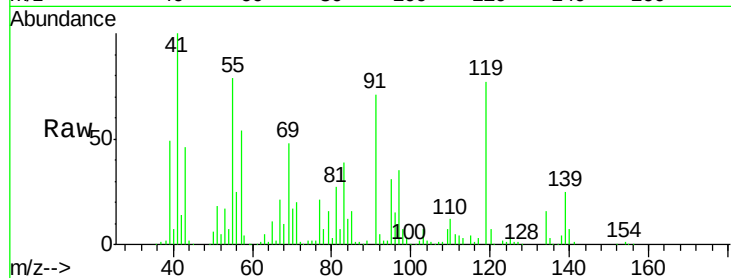




#83
 tert-Butylbenzene
 Concen: 22.58 ug/l
 RT: 12.58 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD058344.D
 Acq: 23 Jun 2018 16:46

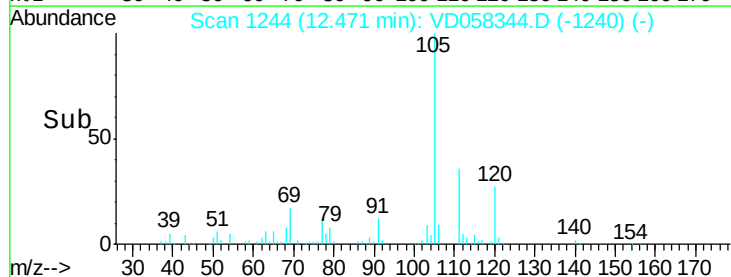
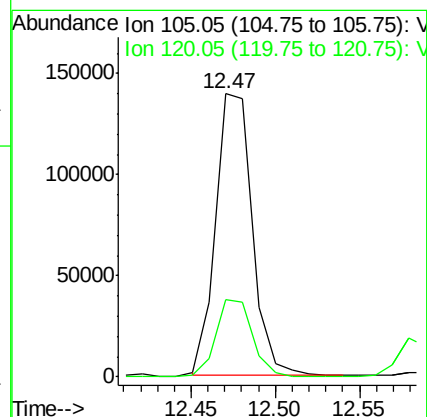
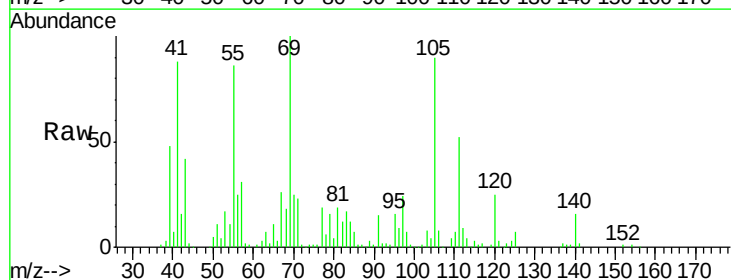
Instrument :
 MSVOA_D
 ClientSampleId :

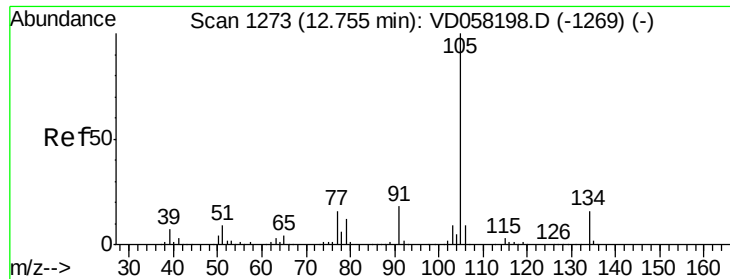
Tot Ion:119 Resp: 300316
 Ion Ratio Lower Upper
 119 100
 91 91.9 38.9 116.6
 134 21.3 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 16.76 ug/l
 RT: 12.47 min Scan# 1244
 Delta R.T. -0.16 min
 Lab File: VD058344.D
 Acq: 23 Jun 2018 16:46

Tgt Ion:105 Resp: 210663
 Ion Ratio Lower Upper
 105 100
 120 27.4 20.8 62.4





#85

sec-Butylbenzene

Concen: 175.04 ug/l

RT: 12.77 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

Instrument :

MSVOA_D

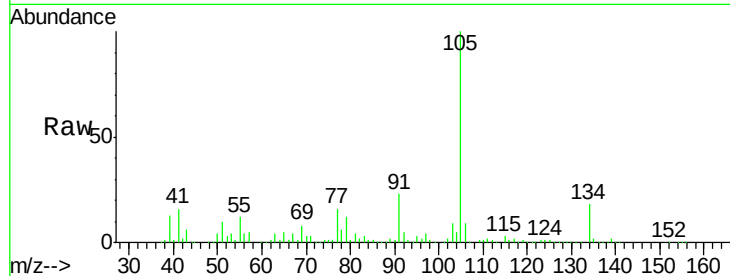
ClientSampled :

Tot Ion:105 Resp: 2728286

Ion Ratio Lower Upper

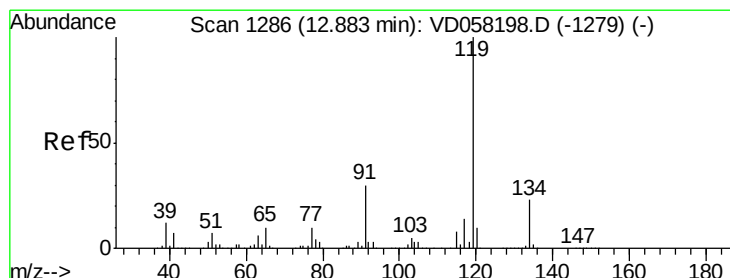
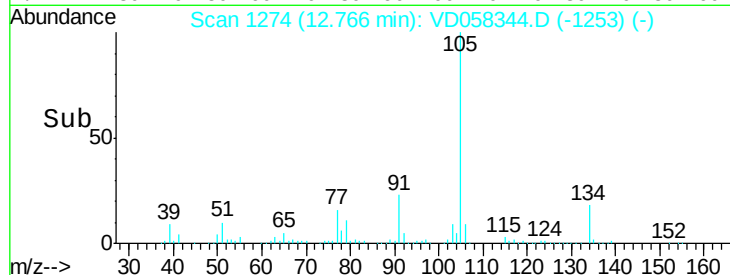
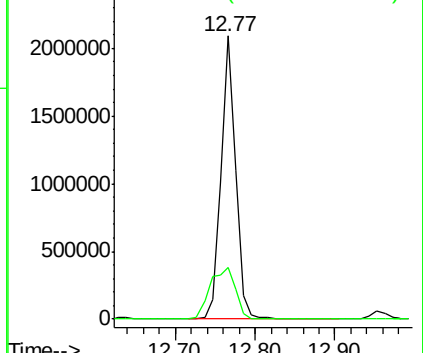
105 100

134 18.4 8.1 24.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 109.54 ug/l

RT: 13.03 min Scan# 1301

Delta R.T. 0.15 min

Lab File: VD058344.D

Acq: 23 Jun 2018 16:46

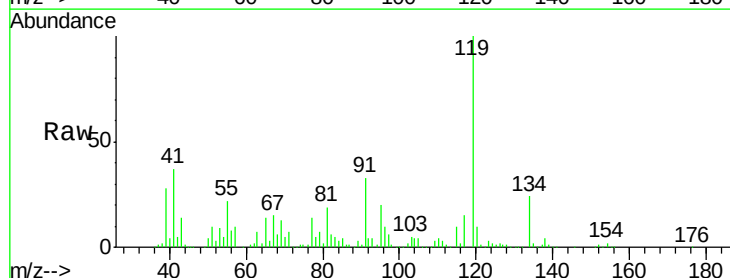
Tgt Ion:119 Resp: 1383573

Ion Ratio Lower Upper

119 100

134 24.1 11.6 34.8

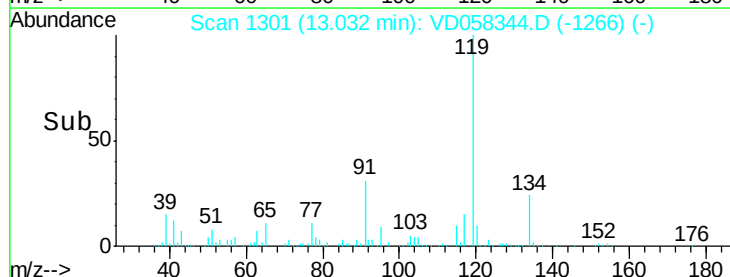
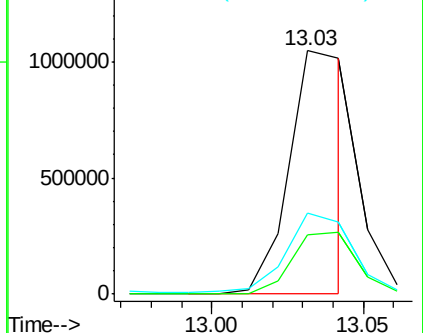
91 33.0 15.0 45.1

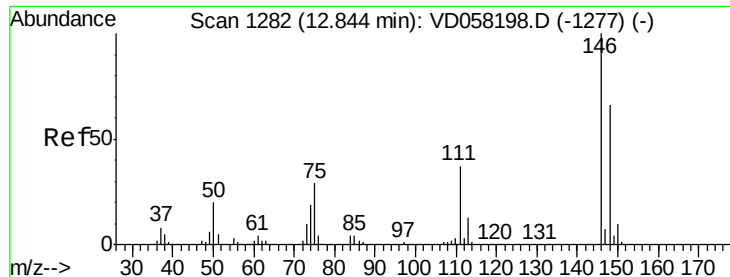


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

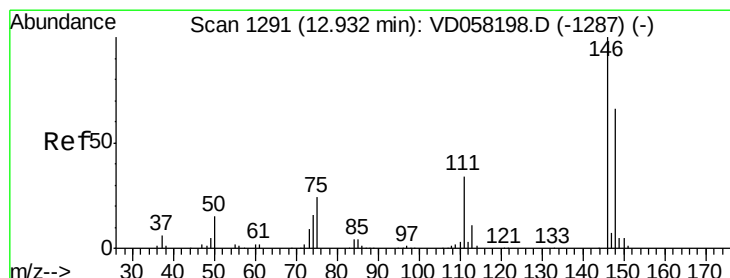
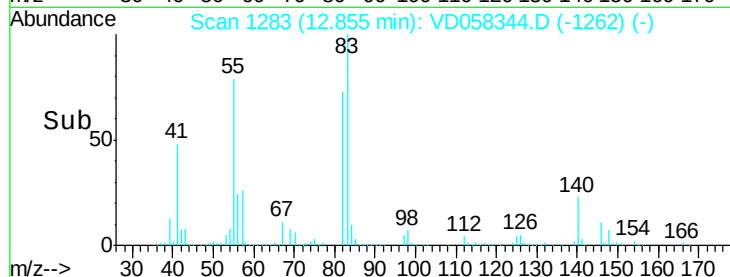
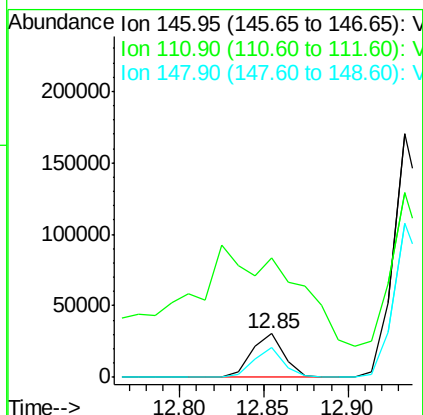
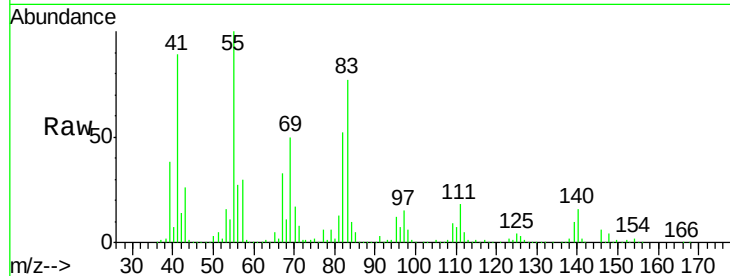




#87
 1,3-Dichlorobenzene
 Concen: 5.30 ug/l
 RT: 12.85 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD058344.D
 Acq: 23 Jun 2018 16:46

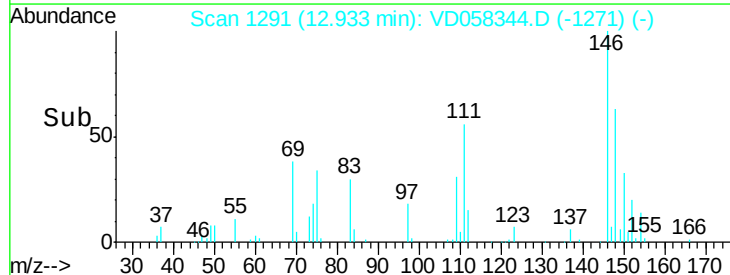
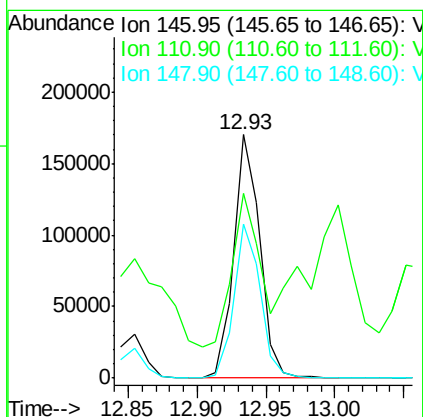
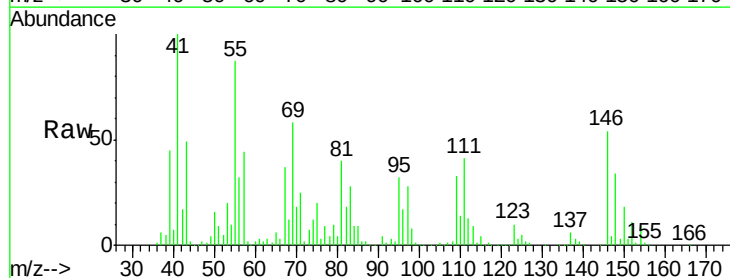
Instrument :
 MSVOA_D
 ClientSampled :

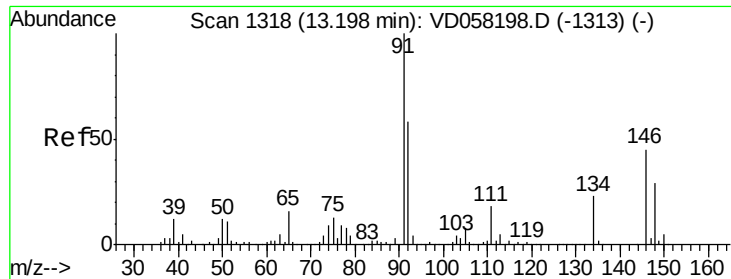
Tot Ion:146 Resp: 40866
 Ion Ratio Lower Upper
 146 100
 111 276.5 18.4 55.0#
 148 69.2 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 29.73 ug/l
 RT: 12.93 min Scan# 1291
 Delta R.T. 0.00 min
 Lab File: VD058344.D
 Acq: 23 Jun 2018 16:46

Tgt Ion:146 Resp: 224074
 Ion Ratio Lower Upper
 146 100
 111 75.6 17.2 51.5#
 148 63.0 33.1 99.3

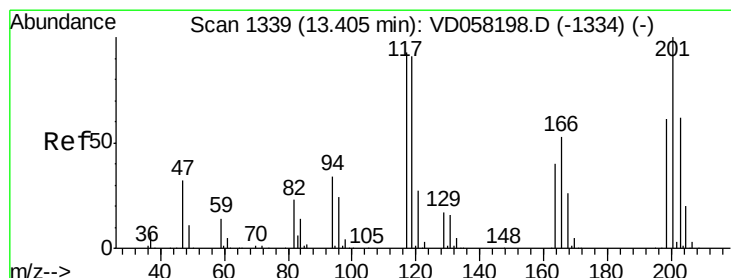
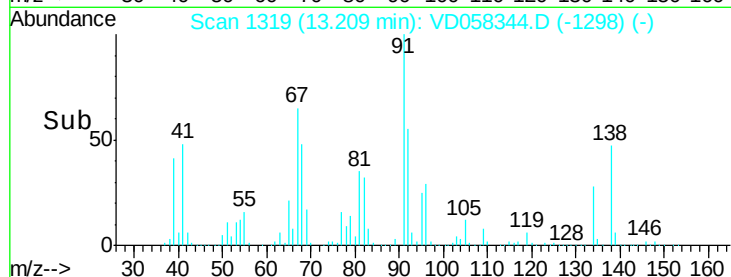
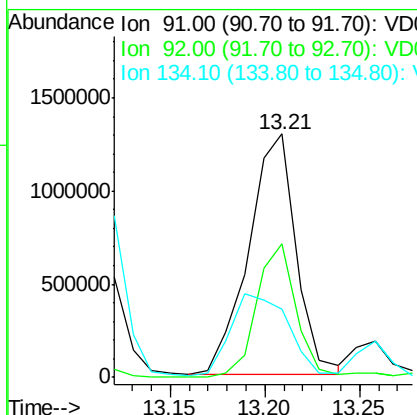
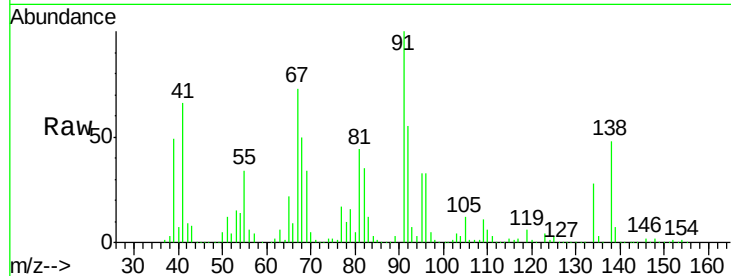




#89
n-Butylbenzene
Concen: 170.43 ug/l
RT: 13.21 min Scan# 1319
Delta R.T. 0.01 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

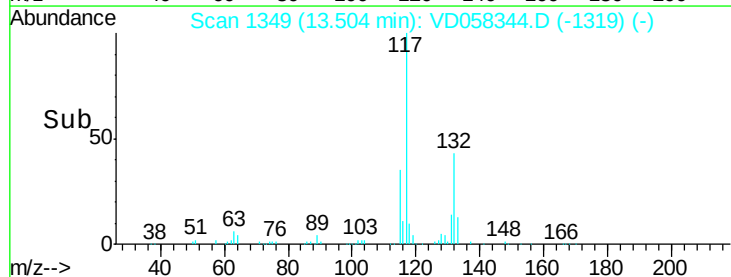
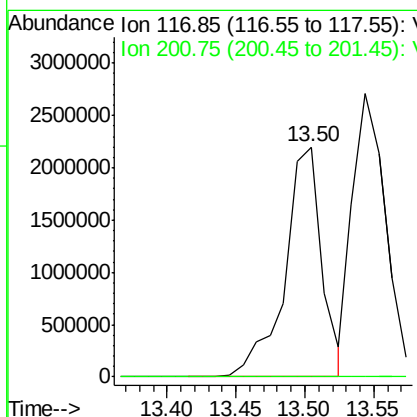
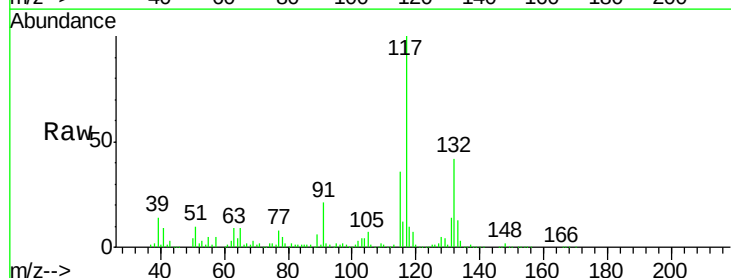
Instrument :
MSVOA_D
ClientSampled :

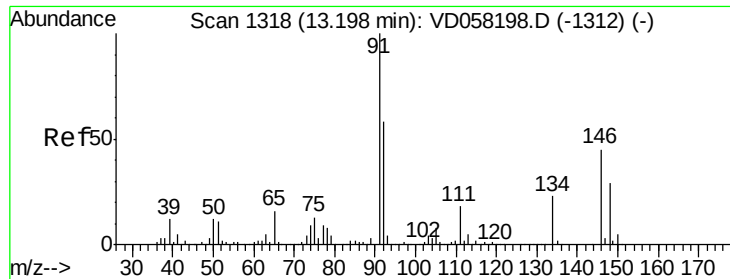
Tot Ion: 91 Resp: 2262398
Ion Ratio Lower Upper
91 100
92 55.1 29.2 87.6
134 28.1 11.3 33.8



#90
Hexachloroethane
Concen: 1242.37 ug/l
RT: 13.50 min Scan# 1349
Delta R.T. 0.10 min
Lab File: VD058344.D
Acq: 23 Jun 2018 16:46

Tgt Ion: 117 Resp: 4072885
Ion Ratio Lower Upper
117 100
201 0.0 53.8 161.4#

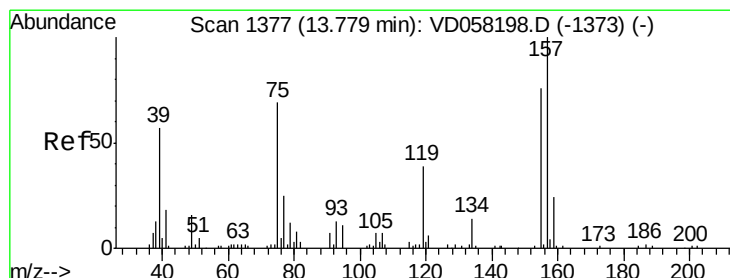
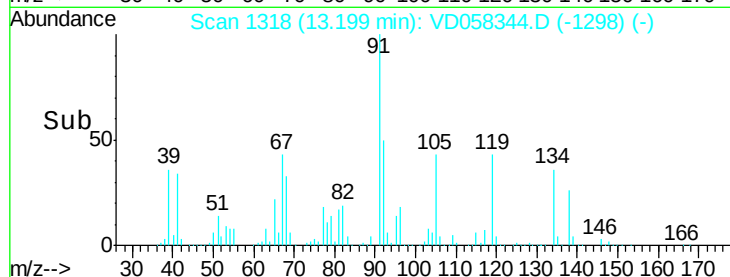
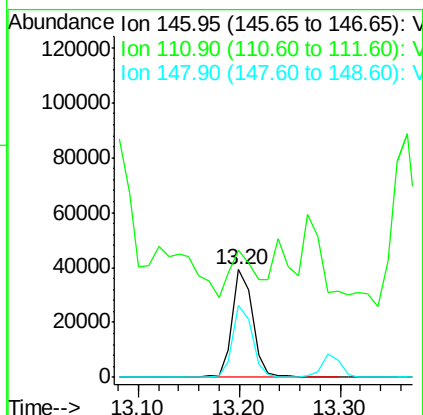
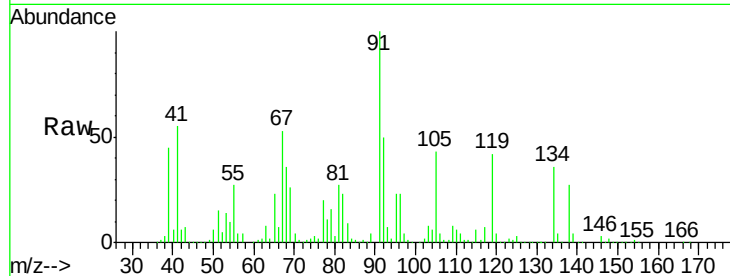




#91
 1,2-Dichlorobenzene
 Concen: 8.37 ug/l
 RT: 13.20 min Scan# 1318
 Delta R.T. 0.00 min
 Lab File: VD058344.D
 Acq: 23 Jun 2018 16:46

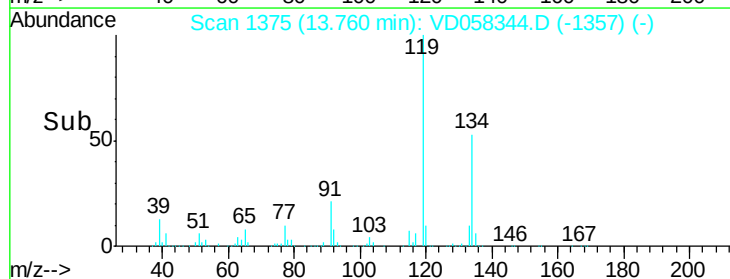
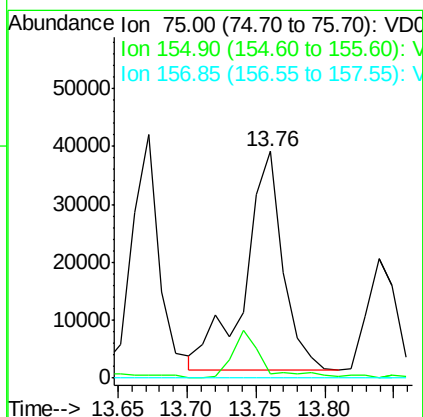
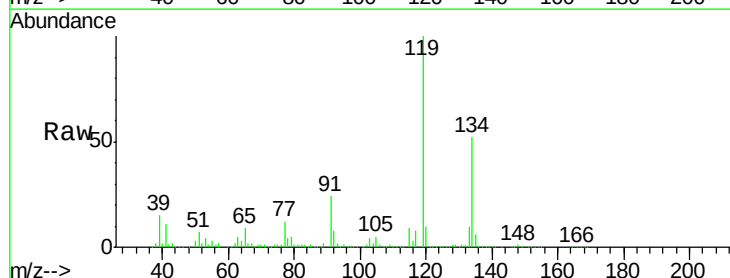
Instrument :
 MSVOA_D
 ClientSampleID :

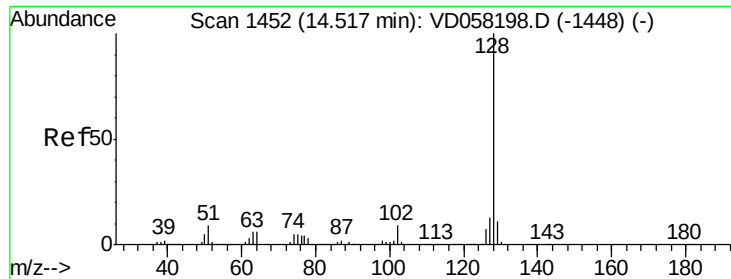
Tot Ion:146 Resp: 54980
 Ion Ratio Lower Upper
 146 100
 111 117.9 19.6 58.7#
 148 67.1 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 131.02 ug/l
 RT: 13.76 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VD058344.D
 Acq: 23 Jun 2018 16:46

Tgt Ion: 75 Resp: 71953
 Ion Ratio Lower Upper
 75 100
 155 2.0 54.5 163.5#
 157 0.0 72.0 215.9#





#95
 Naphthalene
 Concen: 27.41 ug/l
 RT: 14.48 min Scan# 1448
 Delta R.T. -0.04 min
 Lab File: VD058344.D
 Acq: 23 Jun 2018 16:46

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:128 Resp: 226806
 Ion Ratio Lower Upper
 128 100
 127 30.1 10.0 15.0#
 129 79.5 8.7 13.1#

