

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061418\
 Data File : VD058140.D
 Acq On : 14 Jun 2018 17:20
 Operator : VA/AP
 Sample : J3239-13
 Misc : 6.20g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 15 06:05:00 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	607832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.70	114	792040	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	653503	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.91	152	331992	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.02	65	274081	45.10	ug/l	0.00
Spiked Amount			Recovery	=	90.20%	
35) Dibromofluoromethane	5.56	113	269547	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	
50) Toluene-d8	8.72	98	582586	39.99	ug/l	0.00
Spiked Amount			Recovery	=	79.98%	
62) 4-Bromofluorobenzene	11.93	95	262260	41.26	ug/l	0.00
Spiked Amount			Recovery	=	82.52%	

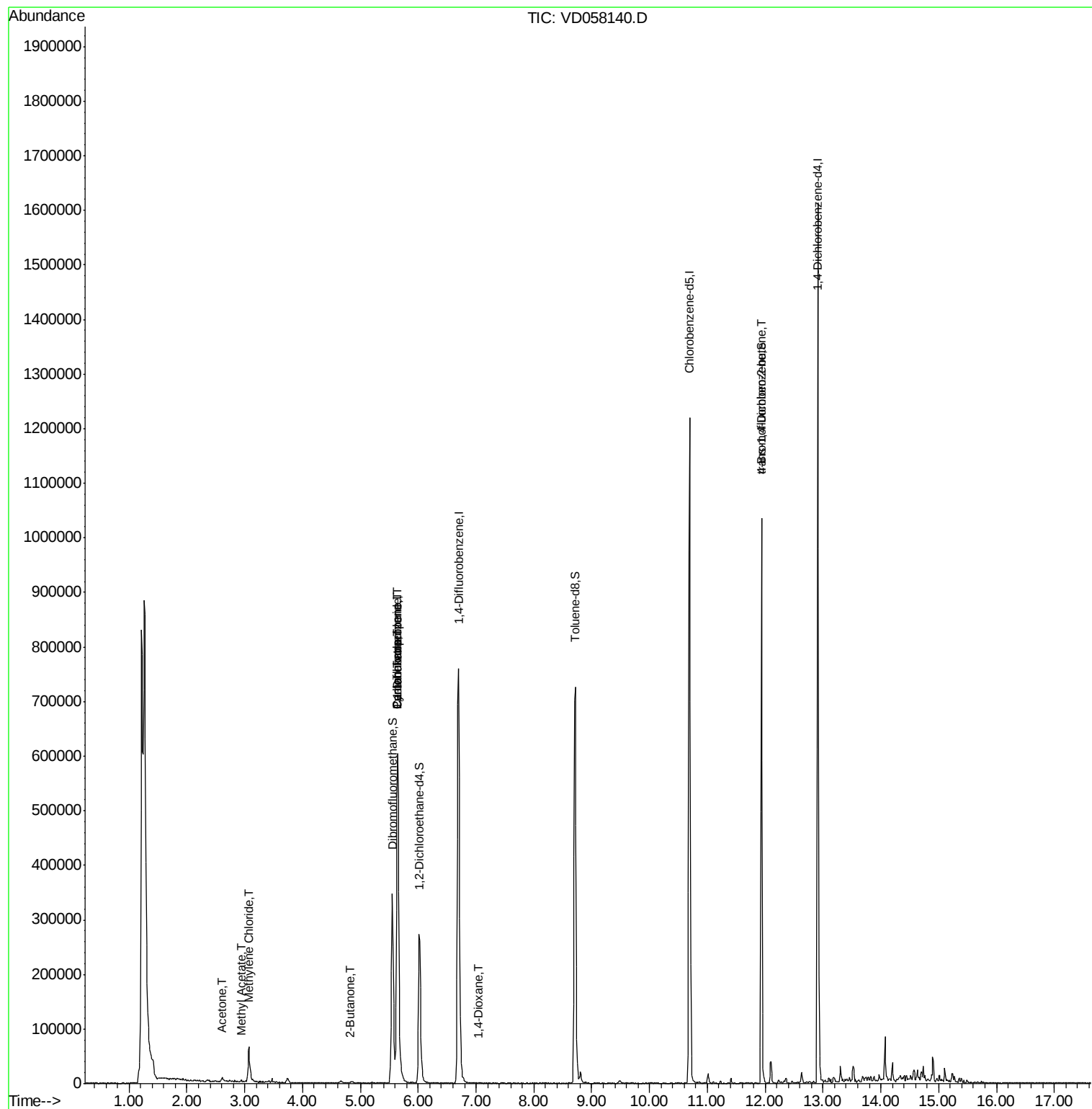
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.61	43	16212	18.517	ug/l #	85
18) Methyl Acetate	2.94	43	2368	1.398	ug/l #	40
20) Methylene Chloride	3.06	84	28892	7.137	ug/l	91
25) 2-Butanone	4.84	43	3666	1.842	ug/l #	64
31) Cyclohexane	5.63	56	12773	1.209	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	50487	5.786	ug/l #	54
38) Carbon Tetrachloride	5.64	117	51042	5.935	ug/l #	17
49) 1,4-Dioxane	7.04	88	387	12.170	ug/l #	15
81) trans-1,4-Dichloro-2-buten	11.93	75	128751	104.235	ug/l #	6
82) 4-Chlorotoluene	12.33	91	283	Below Cal	#	50
89) n-Butylbenzene	13.19	91	2477	Below Cal	#	67

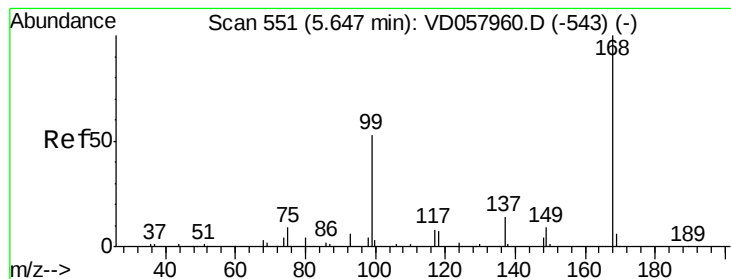
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD061418\
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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Jun 15 06:05:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 08:57:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.00 min

Lab File: VD058140.D

Acq: 14 Jun 2018 17:20

Instrument :

MSVOA_D

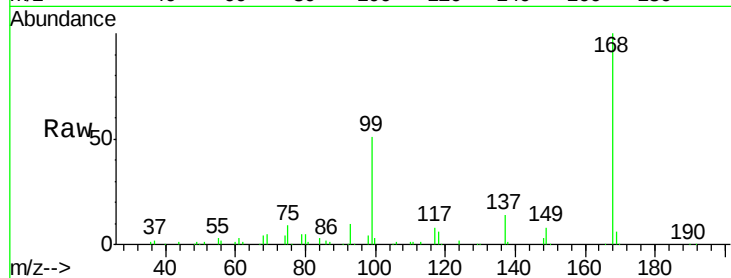
ClientSampleId :

Tot Ion:168 Resp: 607832

Ion Ratio Lower Upper

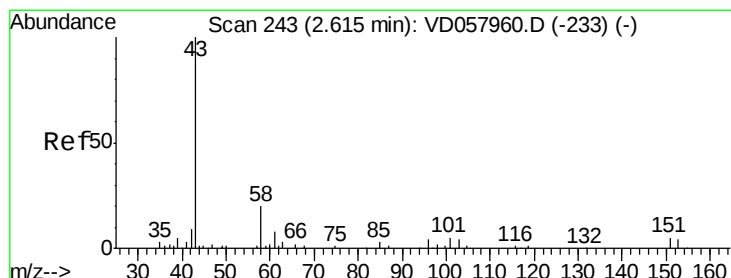
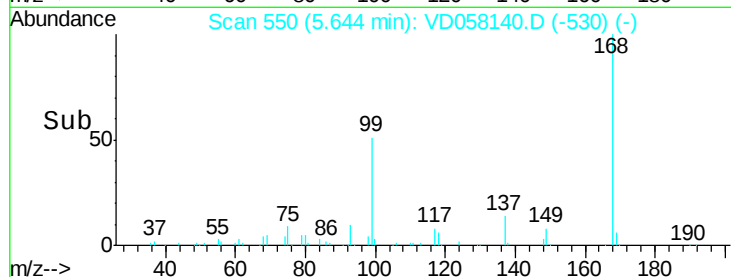
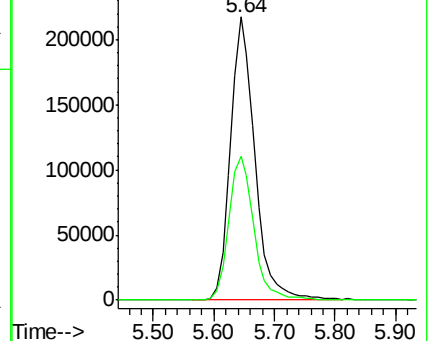
168 100

99 50.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 18.517 ug/l

RT: 2.61 min Scan# 242

Delta R.T. -0.00 min

Lab File: VD058140.D

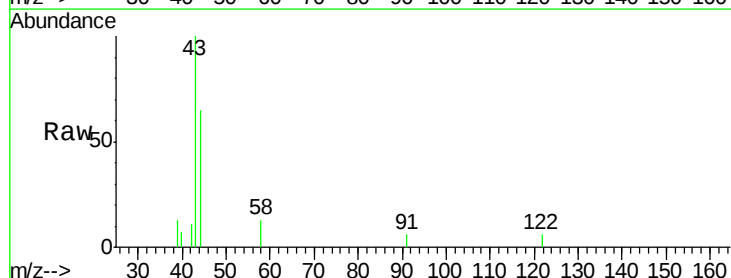
Acq: 14 Jun 2018 17:20

Tgt Ion: 43 Resp: 16212

Ion Ratio Lower Upper

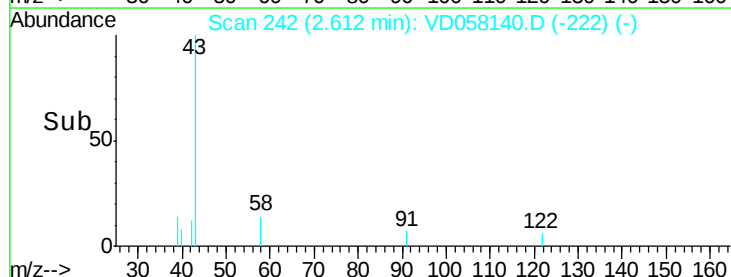
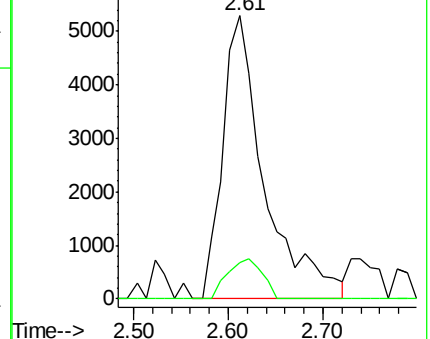
43 100

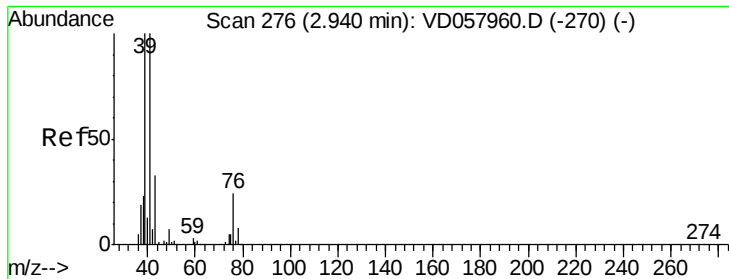
58 13.1 15.8 23.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

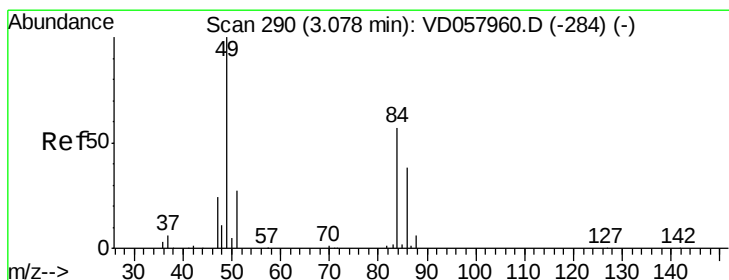
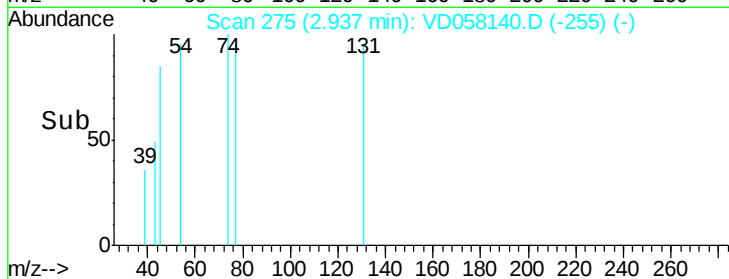
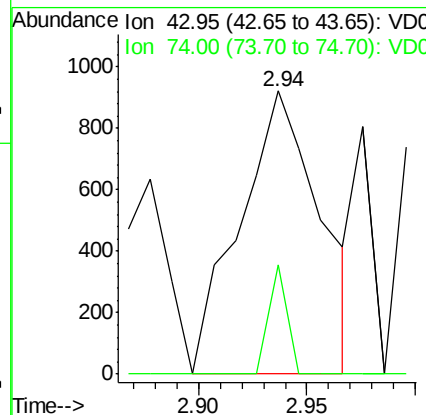
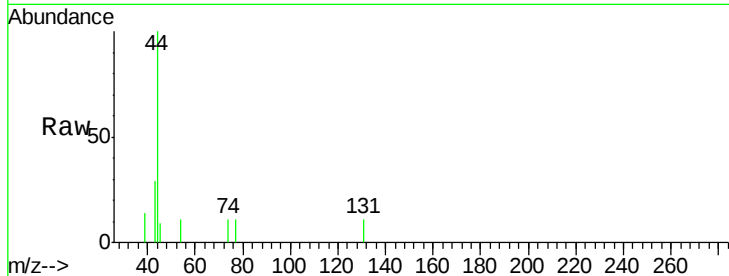




#18
Methvl Acetate
Concen: 1.398 ug/l
RT: 2.94 min Scan# 275
Delta R.T. -0.00 min
Lab File: VD058140.D
Acq: 14 Jun 2018 17:20

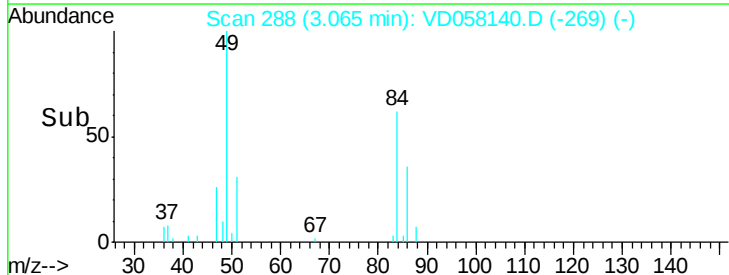
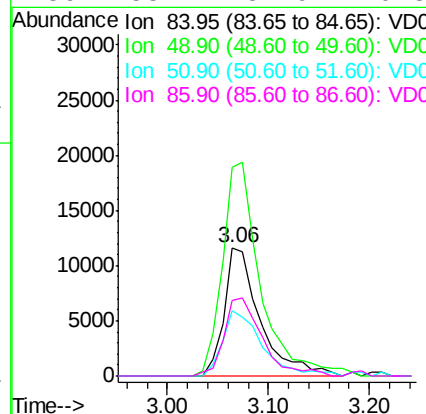
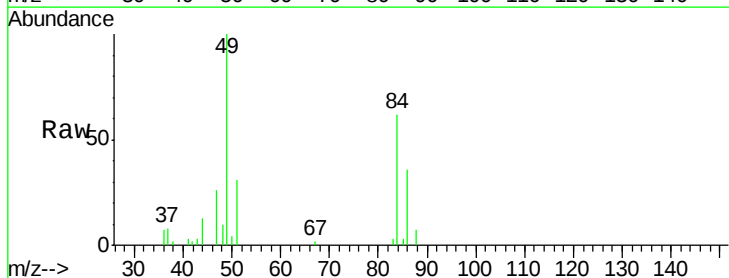
Instrument :
MSVOA_D
ClientSampled :

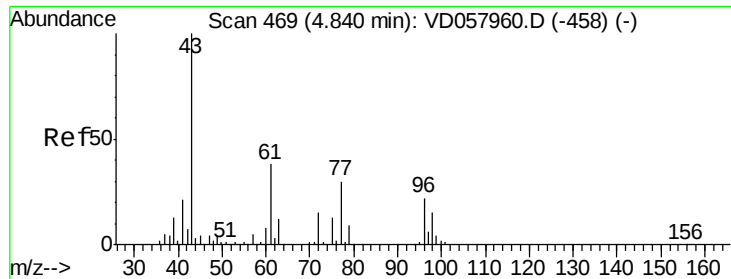
Tot Ion: 43 Resp: 2368
Ion Ratio Lower Upper
43 100
74 38.5 11.2 16.8#



#20
Methylene Chloride
Concen: 7.137 ug/l
RT: 3.06 min Scan# 288
Delta R.T. -0.01 min
Lab File: VD058140.D
Acq: 14 Jun 2018 17:20

Tgt Ion: 84 Resp: 28892
Ion Ratio Lower Upper
84 100
49 162.0 141.4 212.0
51 50.5 38.3 57.5
86 58.4 52.9 79.3





#25

2-Butanone

Concen: 1.842 ug/l

RT: 4.84 min Scan# 468

Delta R.T. -0.00 min

Lab File: VD058140.D

Acq: 14 Jun 2018 17:20

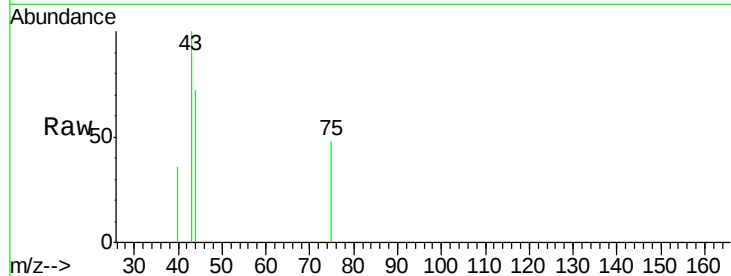
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 3666

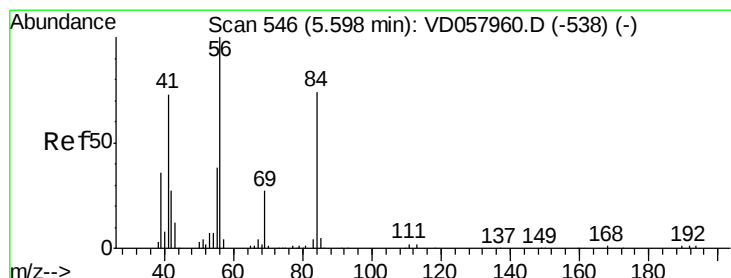
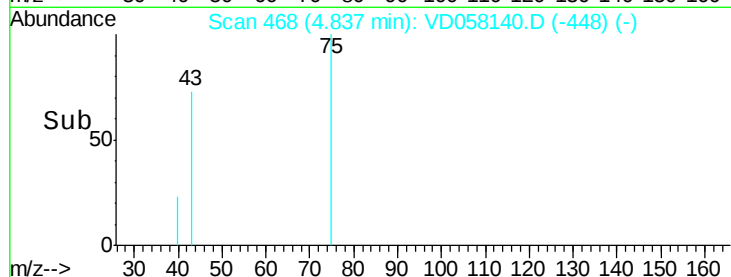
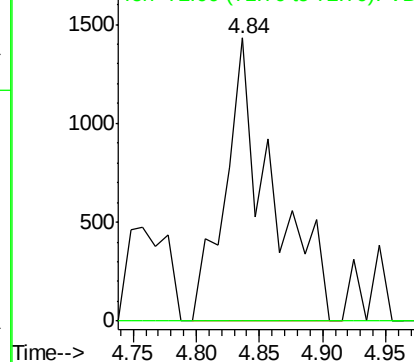
Ion Ratio Lower Upper

43 100

72 0.0 12.0 18.0#



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



#31

Cyclohexane

Concen: 1.209 ug/l

RT: 5.63 min Scan# 549

Delta R.T. 0.04 min

Lab File: VD058140.D

Acq: 14 Jun 2018 17:20

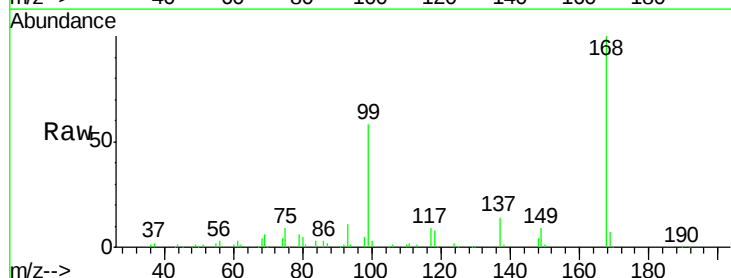
Tgt Ion: 56 Resp: 12773

Ion Ratio Lower Upper

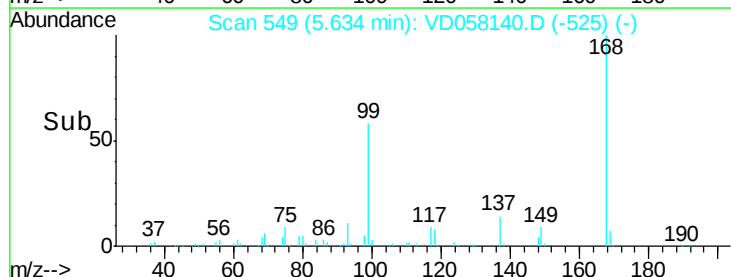
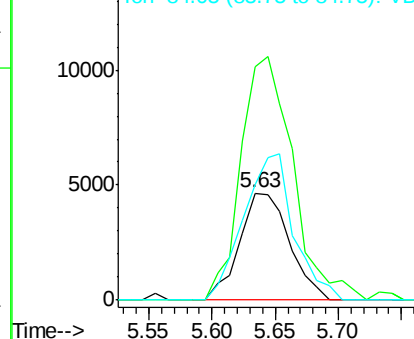
56 100

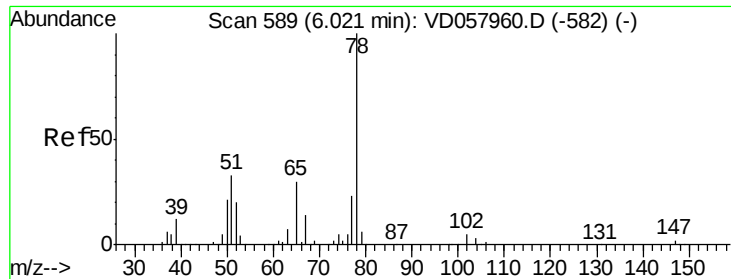
69 217.8 21.5 32.3#

84 108.6 61.0 91.6#



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





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.02 min Scan# 588

Delta R.T. -0.00 min

Lab File: VD058140.D

Acq: 14 Jun 2018 17:20

Instrument :

MSVOA_D

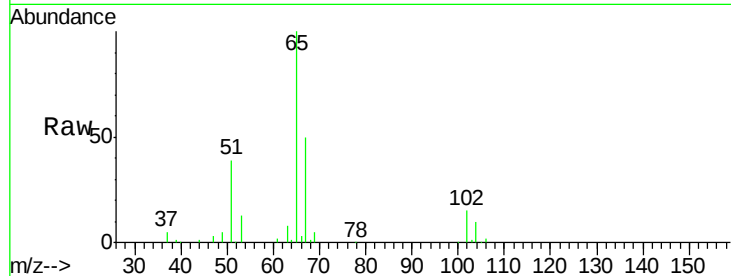
ClientSampled :

Tot Ion: 65 Resp: 274081

Ion Ratio Lower Upper

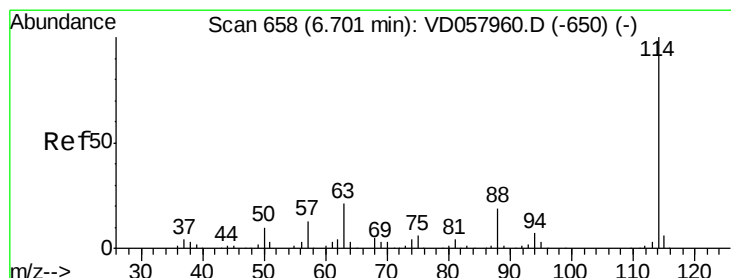
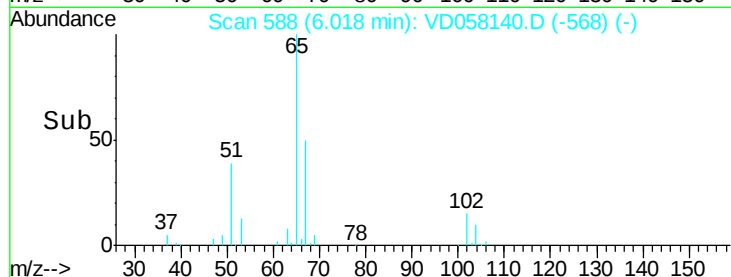
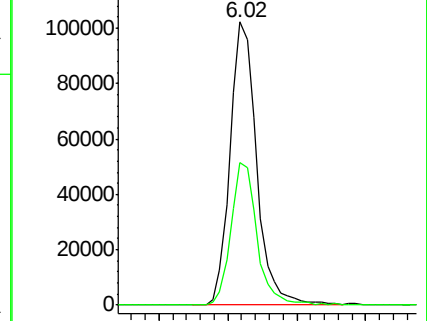
65 100

67 50.3 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: 6.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VD058140.D

Acq: 14 Jun 2018 17:20

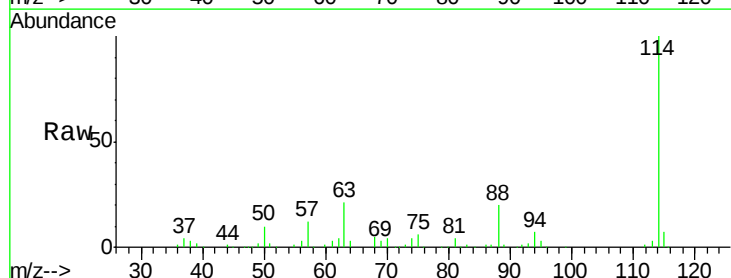
Tgt Ion: 114 Resp: 792040

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.8

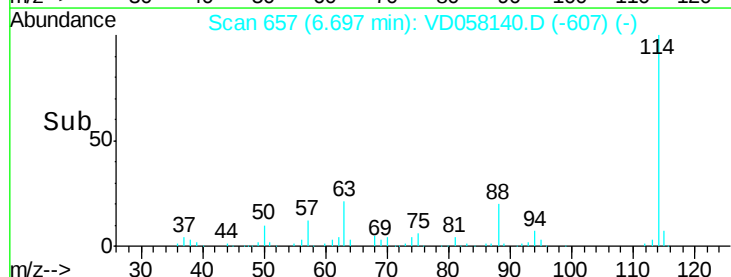
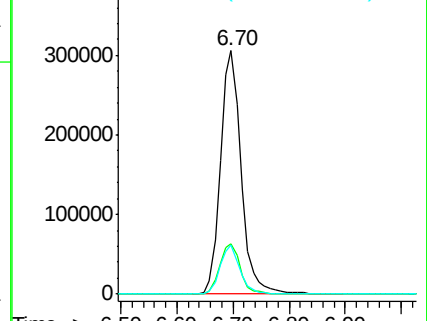
88 19.9 0.0 37.8

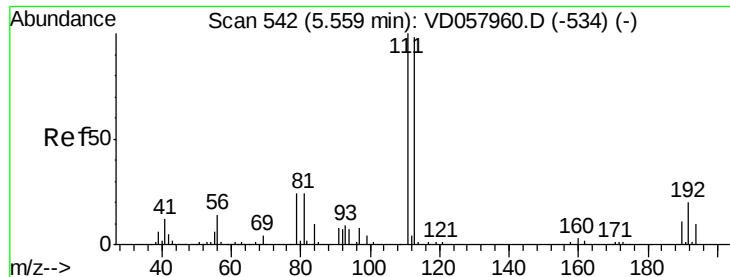


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.56 min Scan# 541

Delta R.T. -0.00 min

Lab File: VD058140.D

Acq: 14 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampled :

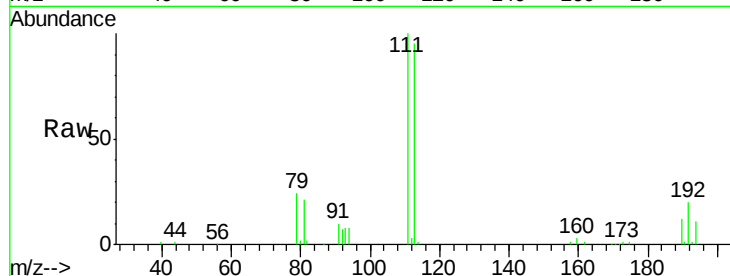
Tot Ion:113 Resp: 269547

Ion Ratio Lower Upper

113 100

111 105.8 81.5 122.3

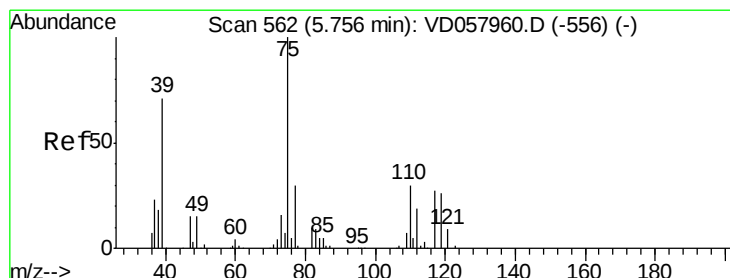
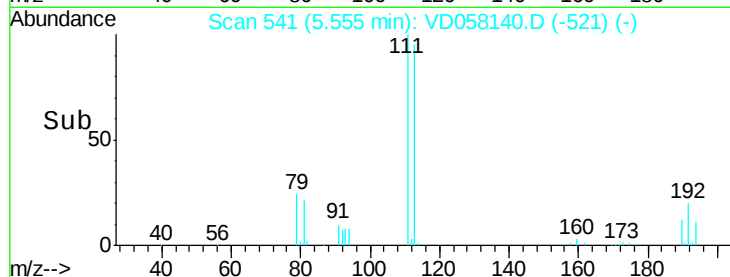
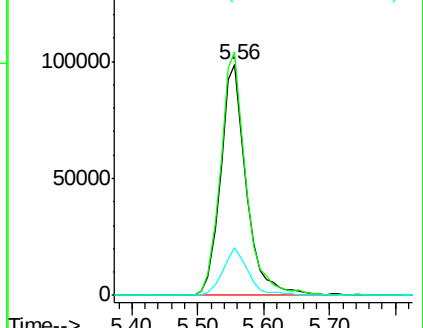
192 20.9 16.4 24.6



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: 5.786 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.11 min

Lab File: VD058140.D

Acq: 14 Jun 2018 17:20

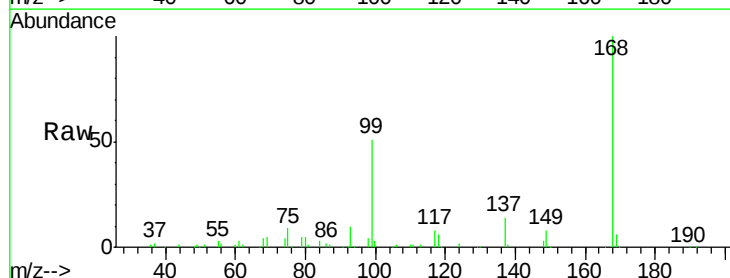
Tgt Ion: 75 Resp: 50487

Ion Ratio Lower Upper

75 100

110 10.3 14.8 44.3#

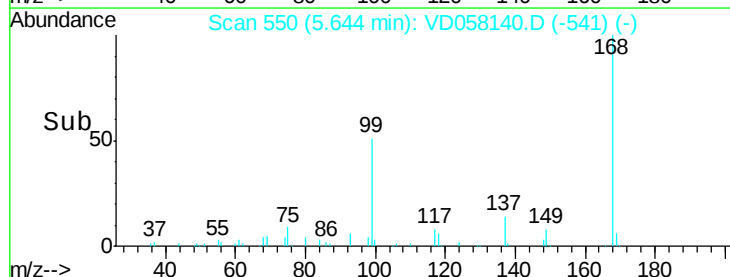
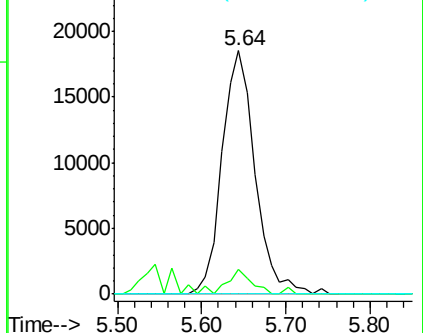
77 0.0 23.9 35.9#

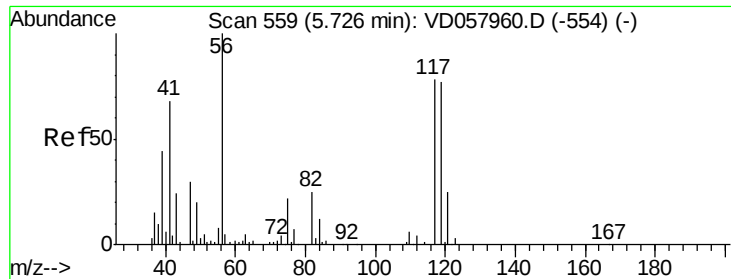


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.935 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.08 min

Lab File: VD058140.D

Acq: 14 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

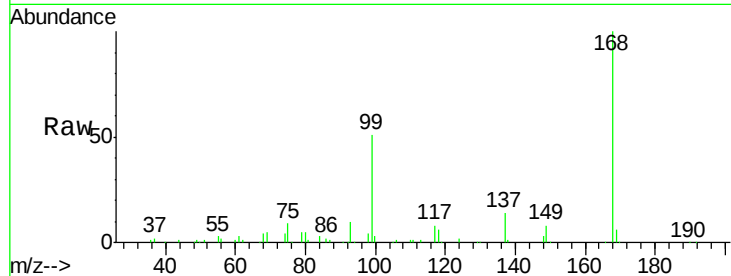
Tot Ion:117 Resp: 51042

Ion Ratio Lower Upper

117 100

119 5.8 76.1 114.1#

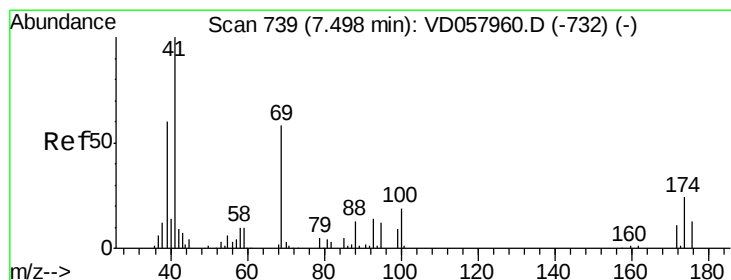
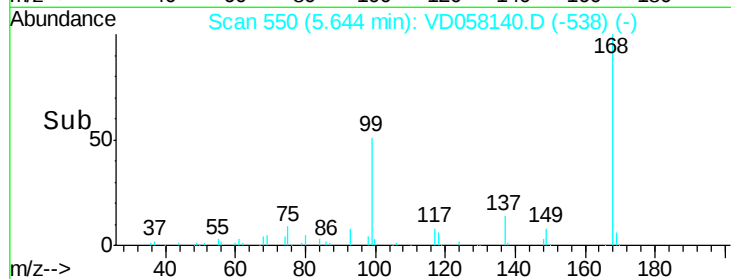
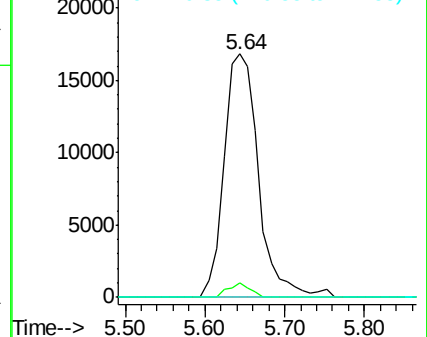
121 0.0 24.9 37.3#



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



#49

1,4-Dioxane

Concen: 12.170 ug/l

RT: 7.04 min Scan# 692

Delta R.T. -0.46 min

Lab File: VD058140.D

Acq: 14 Jun 2018 17:20

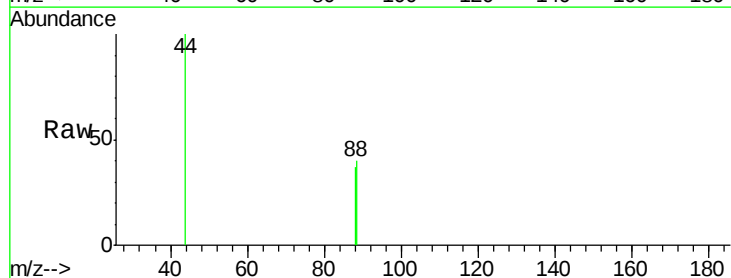
Tgt Ion: 88 Resp: 387

Ion Ratio Lower Upper

88 100

43 0.0 46.6 69.8#

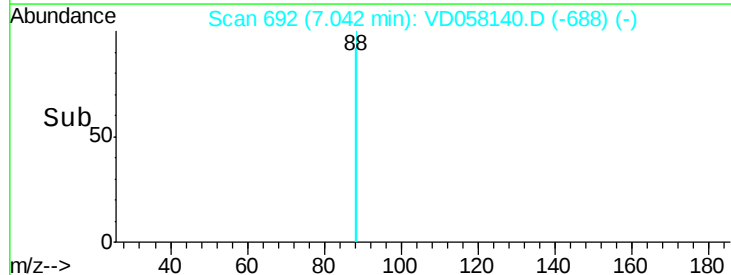
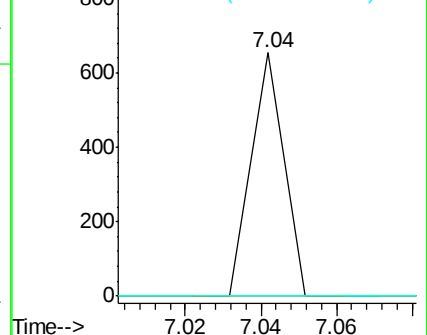
58 0.0 63.6 95.4#

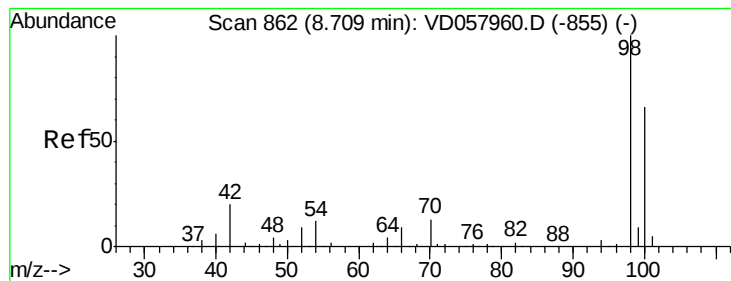


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#50

Toluene-d8

Concen: 12.170 ug/l

RT: 8.72 min Scan# 862

Delta R.T. 0.01 min

Lab File: VD058140.D

Acq: 14 Jun 2018 17:20

Instrument :

MSVOA_D

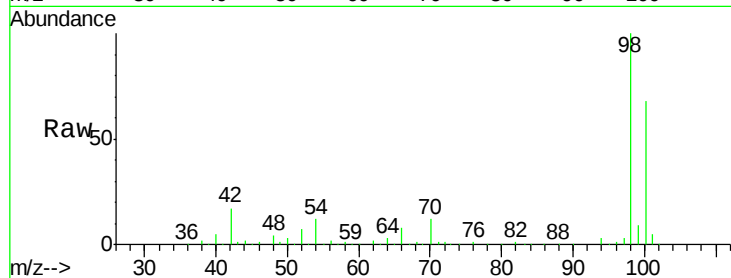
ClientSampled :

Tot Ion: 98 Resp: 582586

Ion Ratio Lower Upper

98 100

100 68.3 53.4 80.0



Abundance Ion 98.05 (97.75 to 98.75): VD058140.D (-841) (-)

Ion 100.05 (99.75 to 100.75): VD058140.D (-841) (-)

8.72

250000

200000

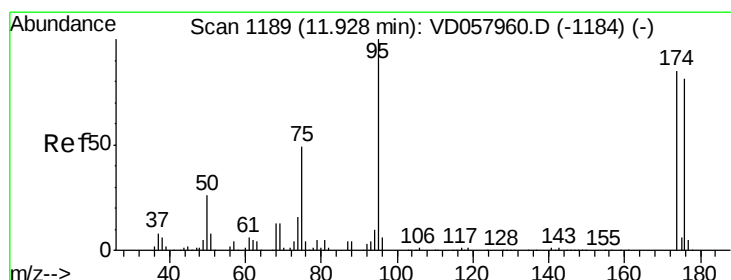
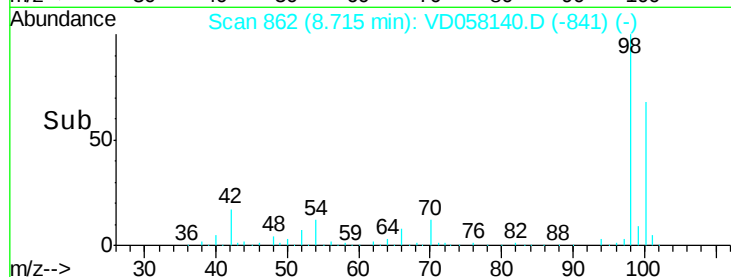
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD058140.D

Acq: 14 Jun 2018 17:20

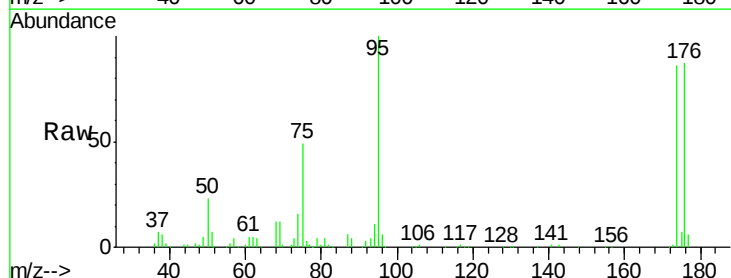
Tgt Ion: 95 Resp: 262260

Ion Ratio Lower Upper

95 100

174 85.9 0.0 169.4

176 87.0 0.0 162.6



Abundance Ion 95.00 (94.70 to 95.70): VD058140.D (-1168) (-)

Ion 173.90 (173.60 to 174.60): VD058140.D (-1168) (-)

Ion 175.90 (175.60 to 176.60): VD058140.D (-1168) (-)

11.93

250000

200000

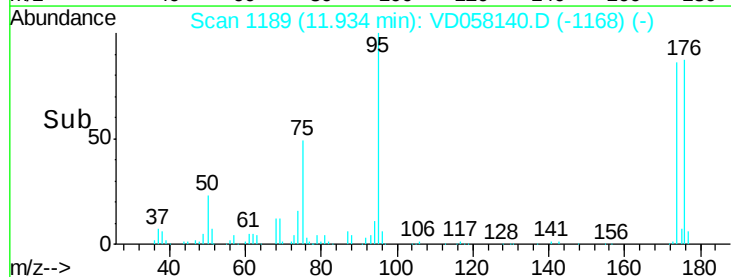
150000

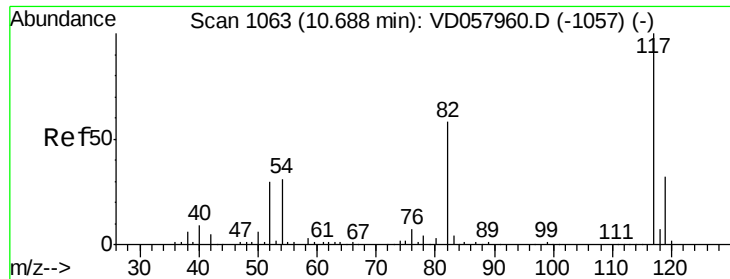
100000

50000

0

Time-->

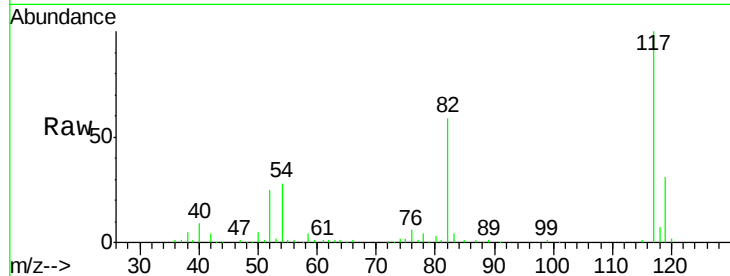




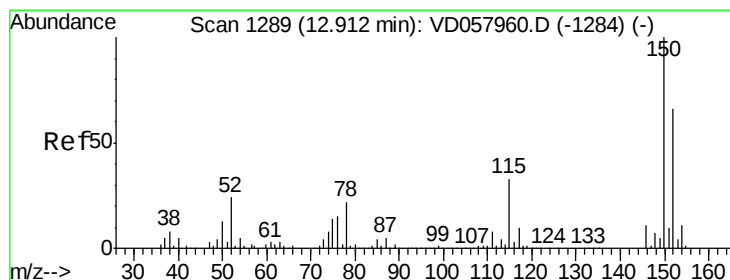
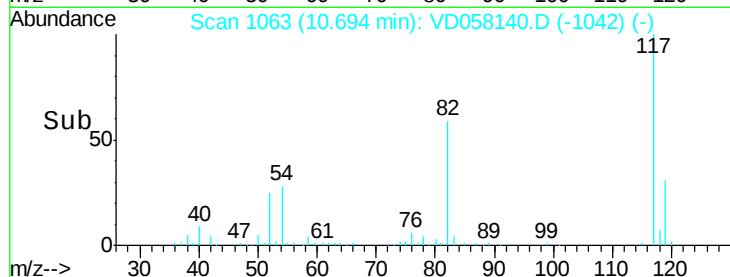
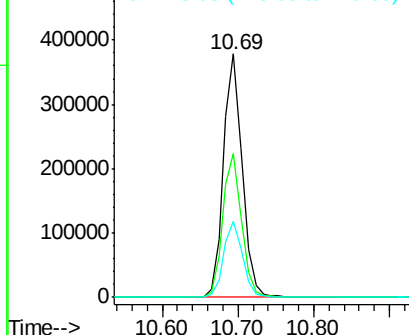
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD058140.D
Acq: 14 Jun 2018 17:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 653503
Ion Ratio Lower Upper
117 100
82 58.9 46.8 70.2
119 31.2 25.8 38.6

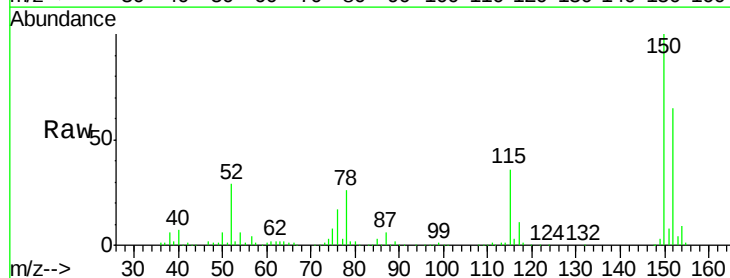


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

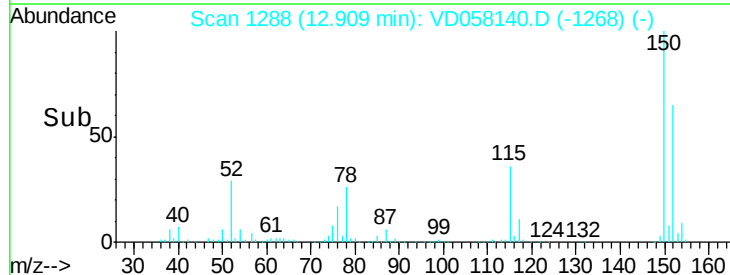
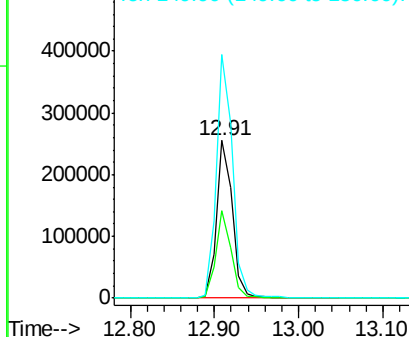


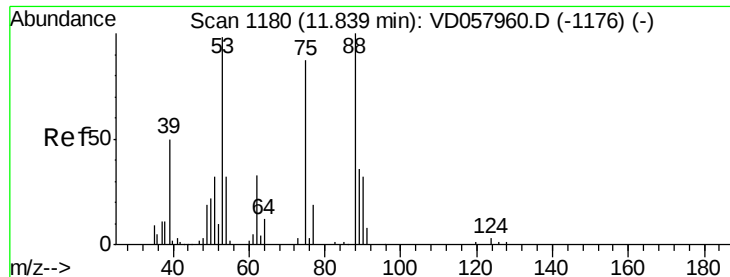
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VD058140.D
Acq: 14 Jun 2018 17:20

Tgt Ion:152 Resp: 331992
Ion Ratio Lower Upper
152 100
115 55.7 25.6 76.6
150 154.3 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





#81

trans-1,4-Dichloro-2-butene

Concen: 104.235 ug/l

RT: 11.93 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD058140.D

Acq: 14 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

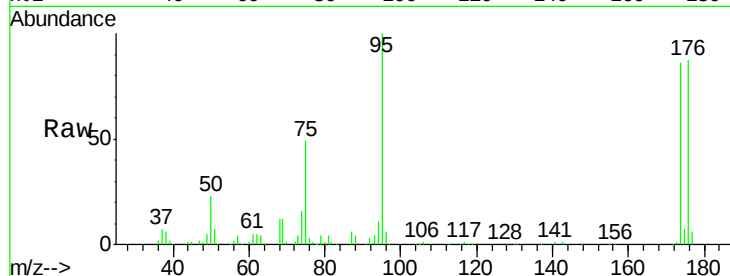
Tot Ion: 75 Resp: 128751

Ion Ratio Lower Upper

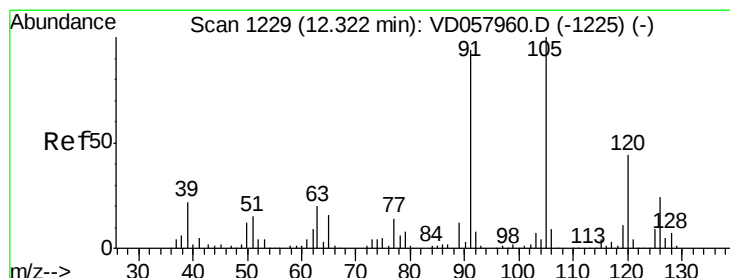
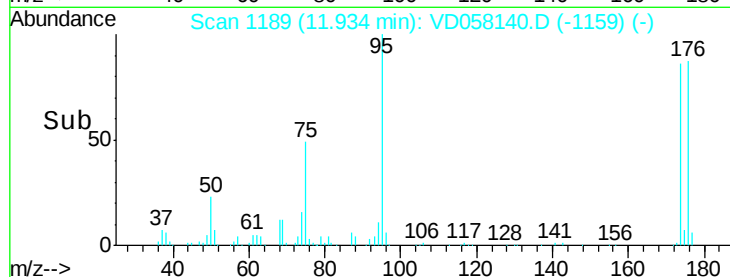
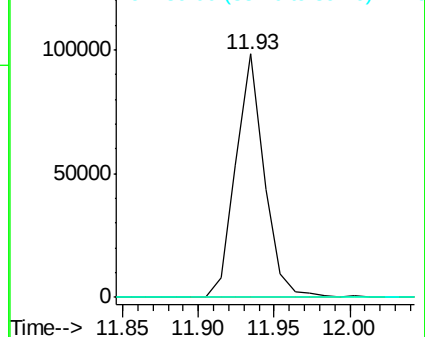
75 100

53 0.0 89.3 133.9#

89 0.0 33.3 49.9#



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: 12.33 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VD058140.D

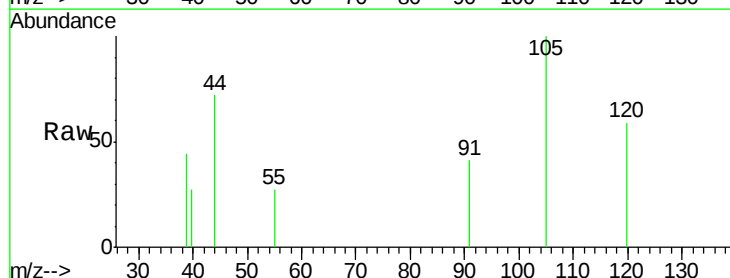
Acq: 14 Jun 2018 17:20

Tgt Ion: 91 Resp: 283

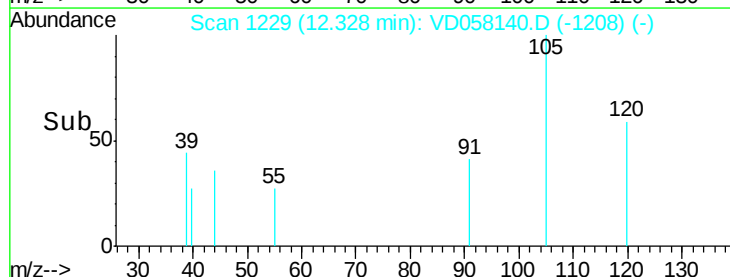
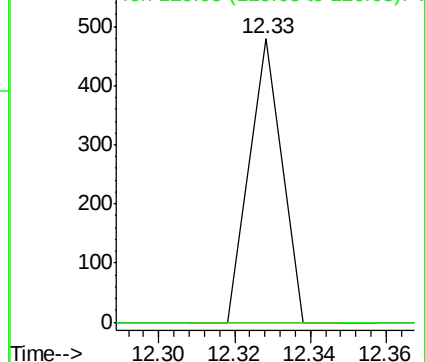
Ion Ratio Lower Upper

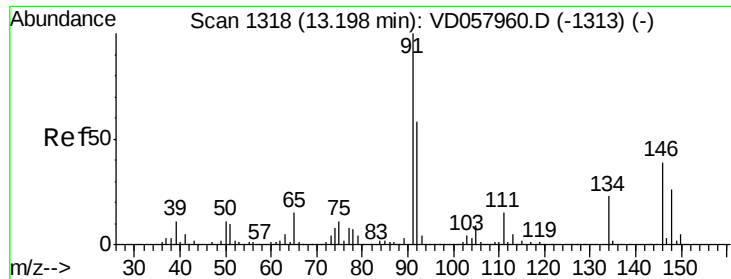
91 100

126 0.0 12.5 37.5#



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





#89

n-Butylbenzene

Concen: Below Cal

RT: 13.19 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD058140.D

Acq: 14 Jun 2018 17:20

Instrument :

MSVOA_D

ClientSampleId :

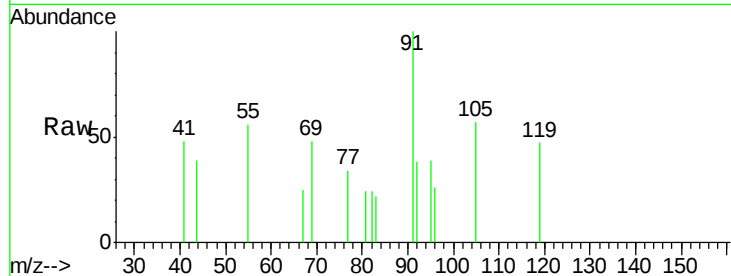
Tot Ion: 91 Resp: 2477

Ion Ratio Lower Upper

91 100

92 37.8 29.2 87.6

134 0.0 11.3 33.9#



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V

