

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080818\
 Data File : VD059708.D
 Acq On : 8 Aug 2018 12:43
 Operator : VA/AP
 Sample : VD0808SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBL01

Quant Time: Aug 08 14:21:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 08 02:03:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	218899	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	260324	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	213354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	115734	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	150597	53.48	ug/l	0.00
Spiked Amount			Recovery	=	106.96%	
35) Dibromofluoromethane	5.54	113	122884	52.55	ug/l	0.02
Spiked Amount			Recovery	=	105.10%	
50) Toluene-d8	8.70	98	271575	53.36	ug/l	0.00
Spiked Amount			Recovery	=	106.72%	
62) 4-Bromofluorobenzene	11.93	95	121548	51.75	ug/l	0.00
Spiked Amount			Recovery	=	103.50%	

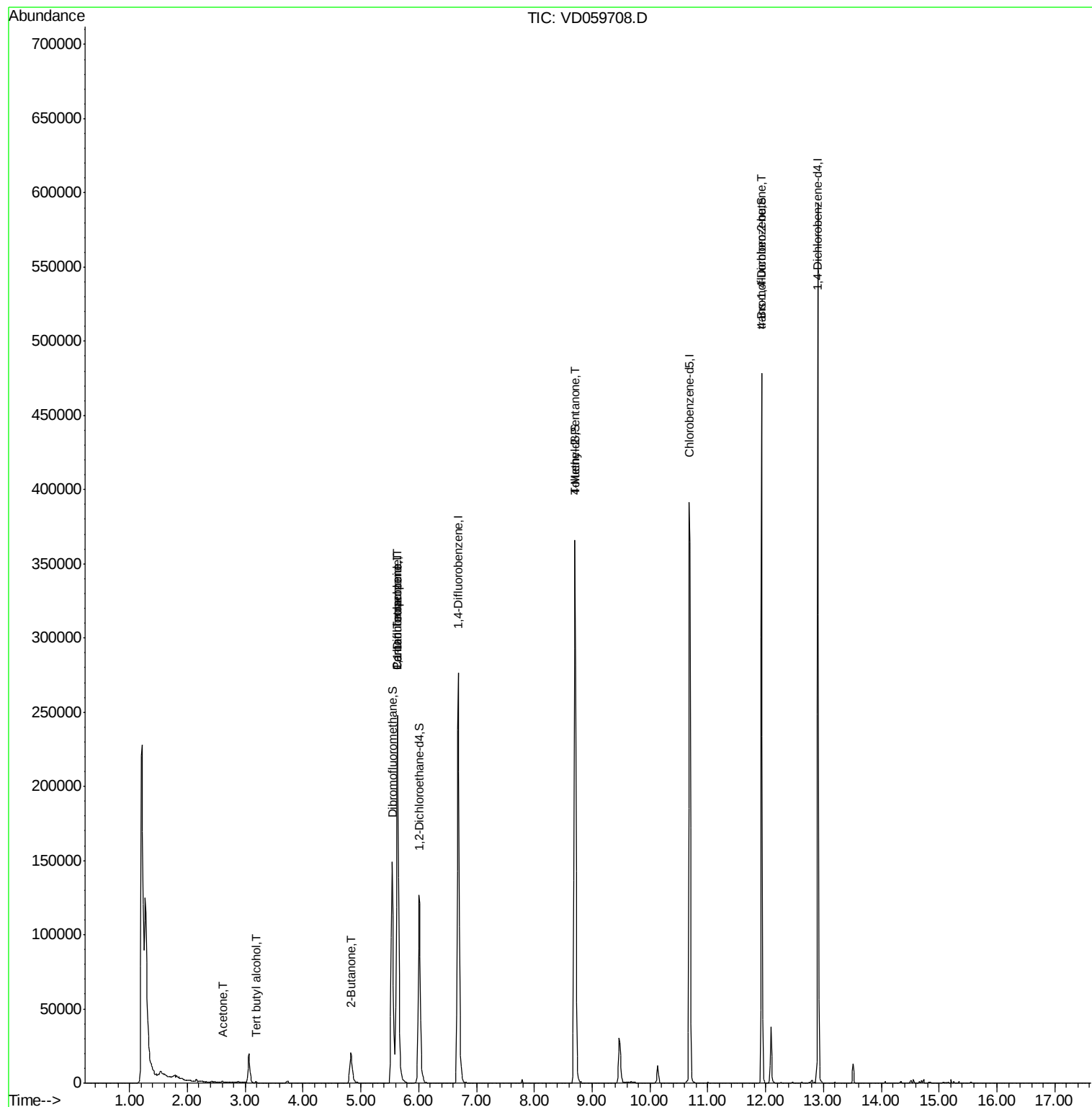
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.18	59	529	5.163	ug/l #	76
16) Acetone	2.61	43	813	1.537	ug/l #	60
20) Methylene Chloride	3.07	84	11162	Below Cal		88
25) 2-Butanone	4.84	43	1391	2.002	ug/l #	59
31) Cyclohexane	5.63	56	4973	Below Cal	#	1
36) 1,1-Dichloropropene	5.63	75	19286	6.664	ug/l #	55
38) Carbon Tetrachloride	5.63	117	22195	5.731	ug/l #	16
51) 4-Methyl-2-Pentanone	8.70	43	1922	1.435	ug/l #	1
81) trans-1,4-Dichloro-2-buten	11.93	75	67650	154.938	ug/l #	1

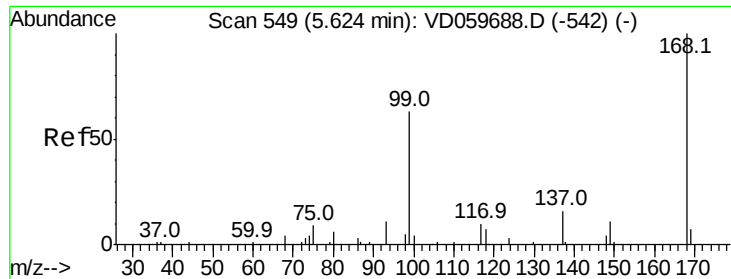
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD080818\
Data File : VD059708.D
Acq On : 8 Aug 2018 12:43
Operator : VA/AP
Sample : VD0808SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBL01

Quant Time: Aug 08 14:21:14 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080618S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 08 02:03:19 2018
Response via : Initial Calibration

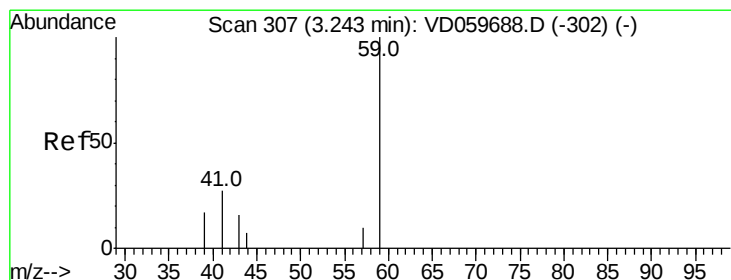
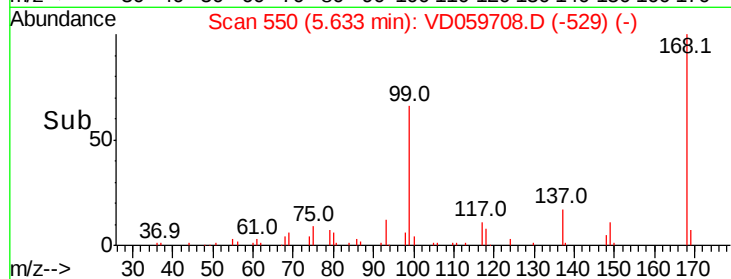
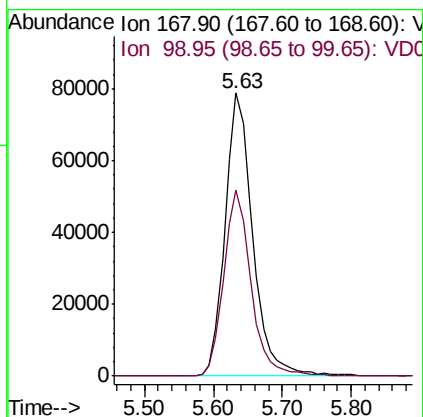
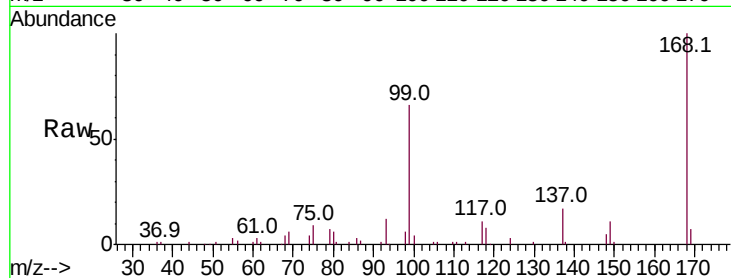




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 550
Delta R.T. 0.01 min
Lab File: VD059708.D
Acq: 8 Aug 2018 12:43

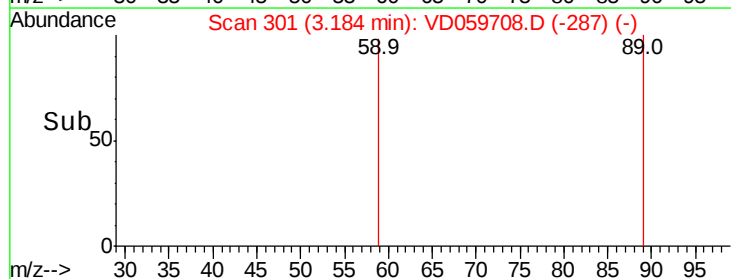
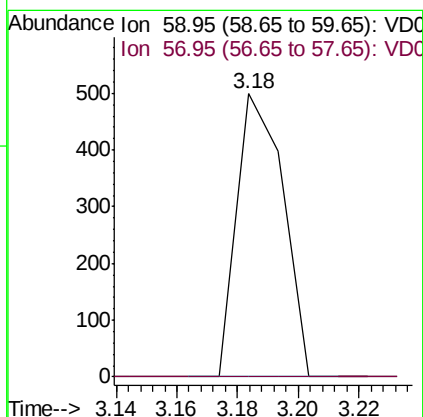
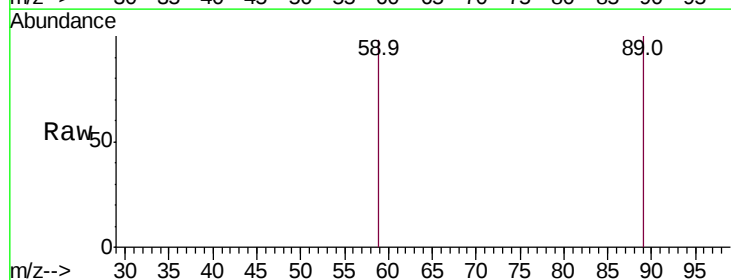
Instrument :
MSVOA_D
ClientSampleId :
VD0808SBL01

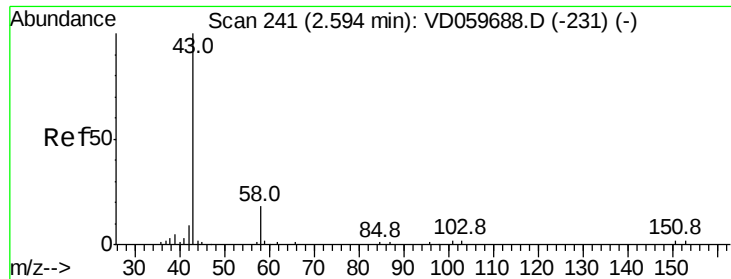
Tot Ion:168 Resp: 218899
Ion Ratio Lower Upper
168 100
99 65.8 53.4 80.2



#11
Tert butyl alcohol
Concen: 5.163 ug/l
RT: 3.18 min Scan# 301
Delta R.T. -0.06 min
Lab File: VD059708.D
Acq: 8 Aug 2018 12:43

Tgt Ion: 59 Resp: 529
Ion Ratio Lower Upper
59 100
57 0.0 6.8 10.2#





#16

Acetone

Concen: 1.537 ug/l

RT: 2.61 min Scan# 243

Delta R.T. 0.02 min

Lab File: VD059708.D

Acq: 8 Aug 2018 12:43

Instrument :

MSVOA_D

ClientSampleId :

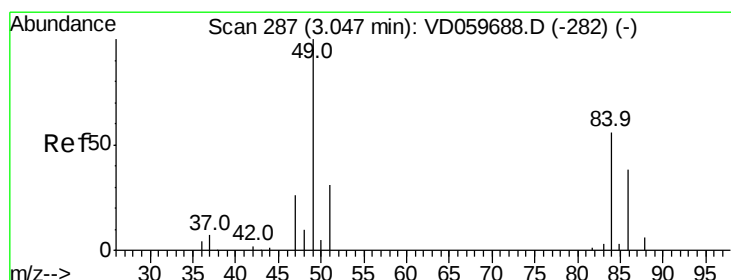
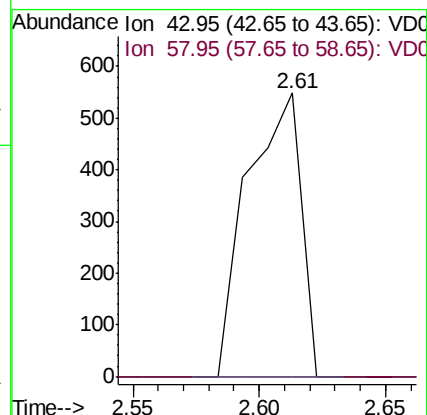
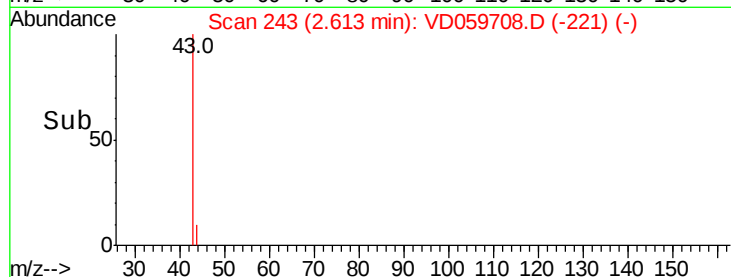
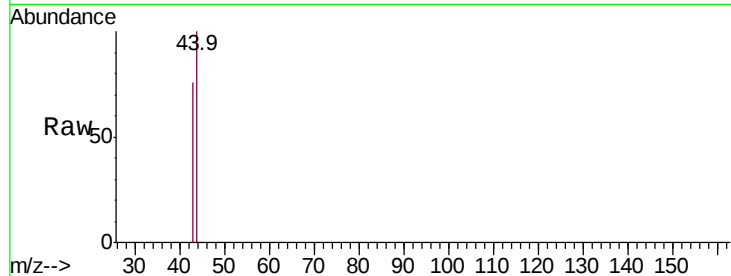
VD0808SBL01

Tot Ion: 43 Resp: 813

Ion Ratio Lower Upper

43 100

58 0.0 14.2 21.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 3.07 min Scan# 289

Delta R.T. 0.02 min

Lab File: VD059708.D

Acq: 8 Aug 2018 12:43

Tgt Ion: 84 Resp: 11162

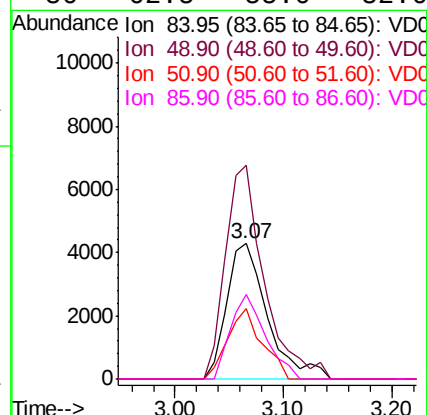
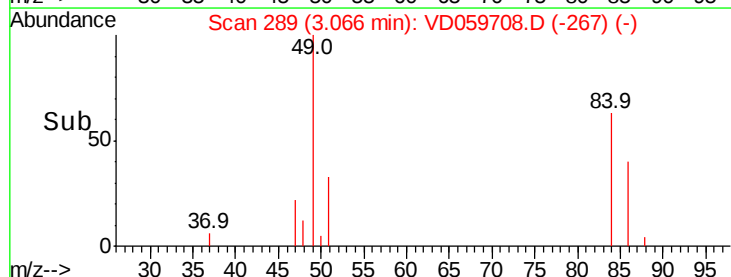
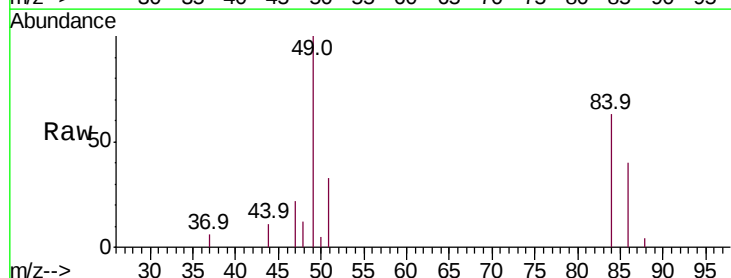
Ion Ratio Lower Upper

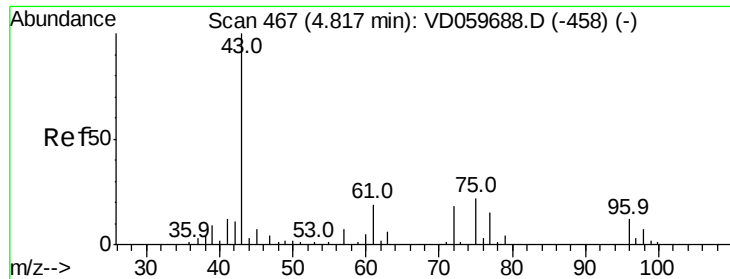
84 100

49 157.5 143.4 215.2

51 51.7 44.2 66.4

86 62.5 55.0 82.6





#25

2-Butanone

Concen: 2.002 ug/l

RT: 4.84 min Scan# 469

Delta R.T. 0.02 min

Lab File: VD059708.D

Acq: 8 Aug 2018 12:43

Instrument :

MSVOA_D

ClientSampleId :

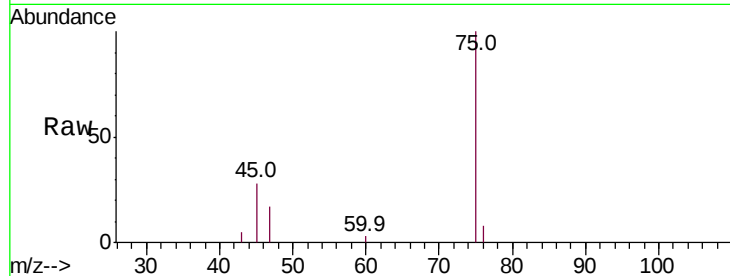
VD0808SBL01

Tot Ion: 43 Resp: 1391

Ion Ratio Lower Upper

43 100

72 0.0 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

600

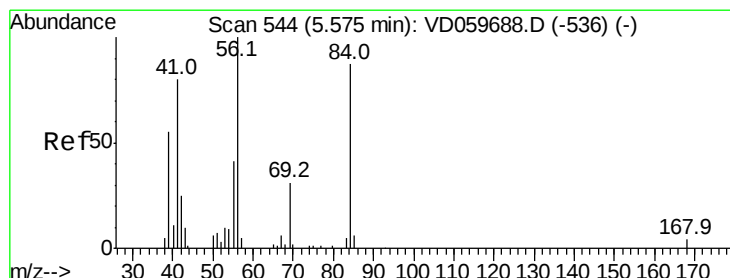
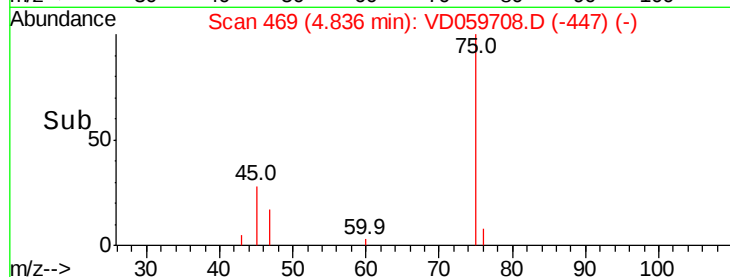
400

200

0

4.75 4.80 4.85

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 5.63 min Scan# 550

Delta R.T. 0.06 min

Lab File: VD059708.D

Acq: 8 Aug 2018 12:43

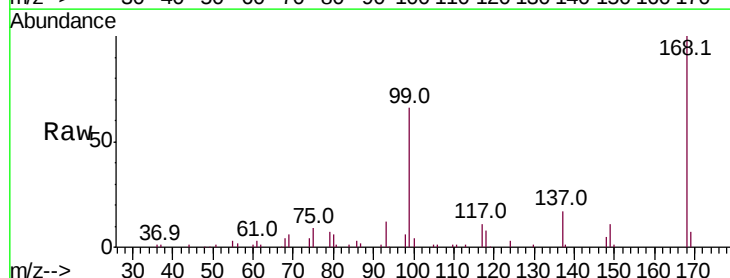
Tgt Ion: 56 Resp: 4973

Ion Ratio Lower Upper

56 100

69 237.4 24.7 37.1#

84 60.4 72.2 108.2#



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

6000

5000

4000

3000

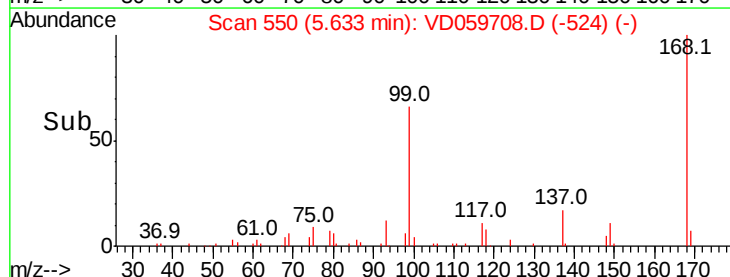
2000

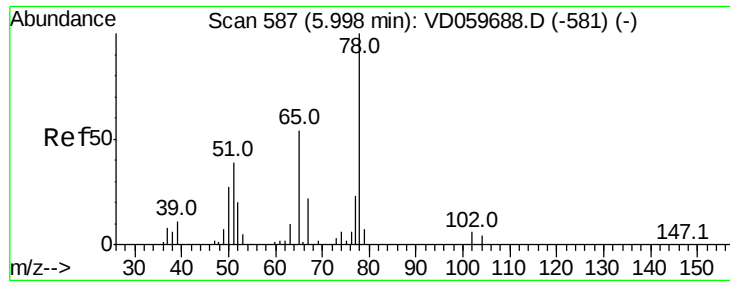
1000

0

5.55 5.60 5.65 5.70

Time-->

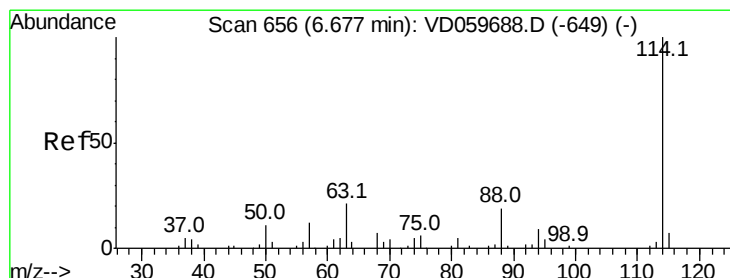
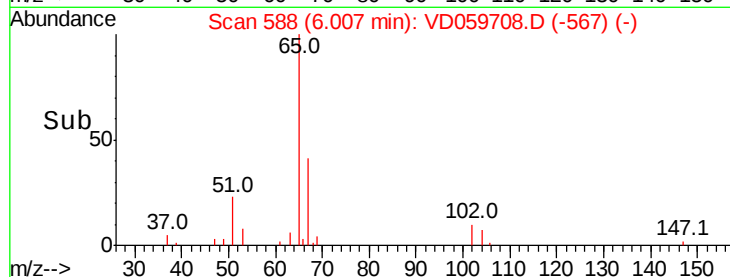
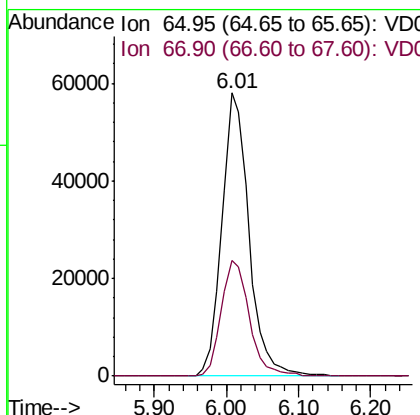
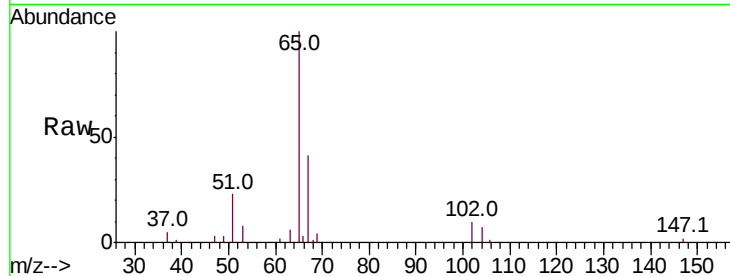




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.01 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VD059708.D
 Acq: 8 Aug 2018 12:43

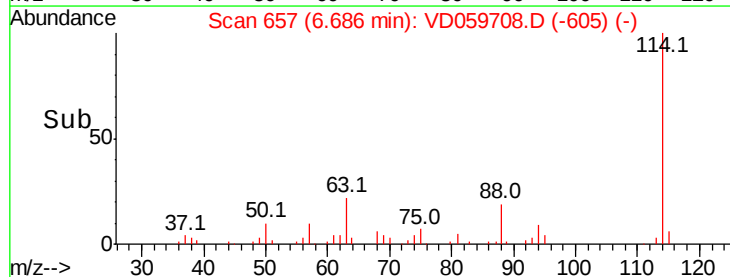
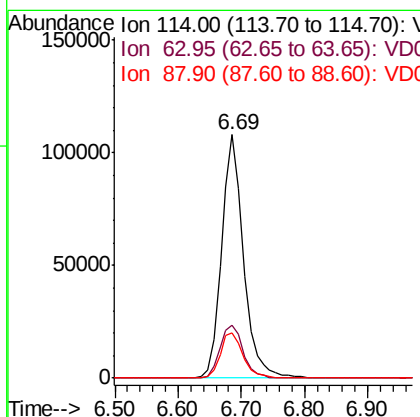
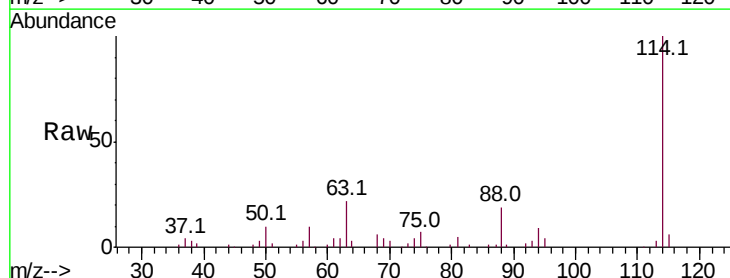
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0808SBL01

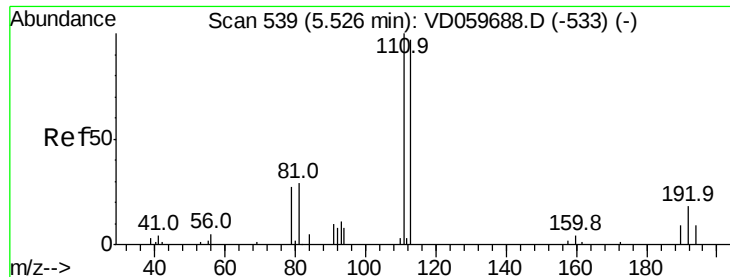
Tot Ion: 65 Resp: 150597
 Ion Ratio Lower Upper
 65 100
 67 41.1 0.0 80.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.69 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: VD059708.D
 Acq: 8 Aug 2018 12:43

Tgt Ion: 114 Resp: 260324
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 42.6
 88 18.5 0.0 38.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.54 min Scan# 541

Delta R.T. 0.02 min

Lab File: VD059708.D

Acq: 8 Aug 2018 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBL01

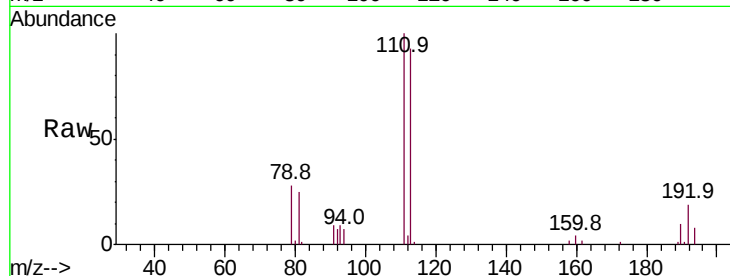
Tot Ion:113 Resp: 122884

Ion Ratio Lower Upper

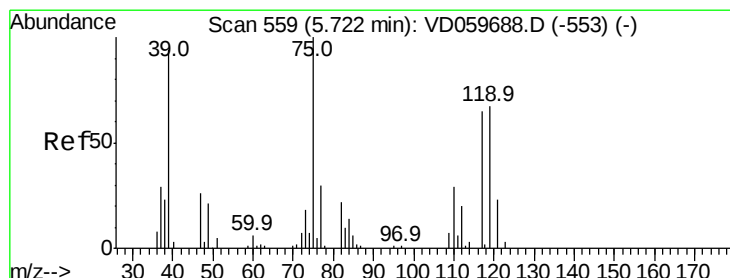
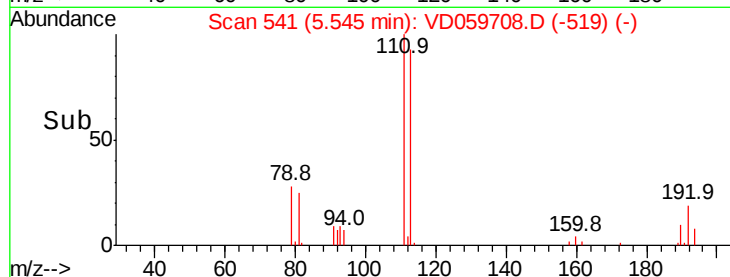
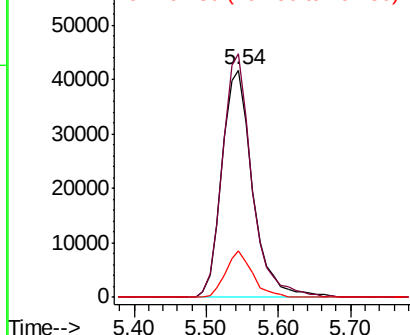
113 100

111 107.2 82.8 124.2

192 20.3 14.6 22.0



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: 6.664 ug/l

RT: 5.63 min Scan# 550

Delta R.T. -0.09 min

Lab File: VD059708.D

Acq: 8 Aug 2018 12:43

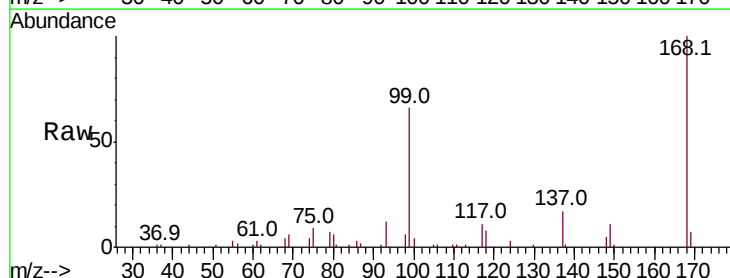
Tgt Ion: 75 Resp: 19286

Ion Ratio Lower Upper

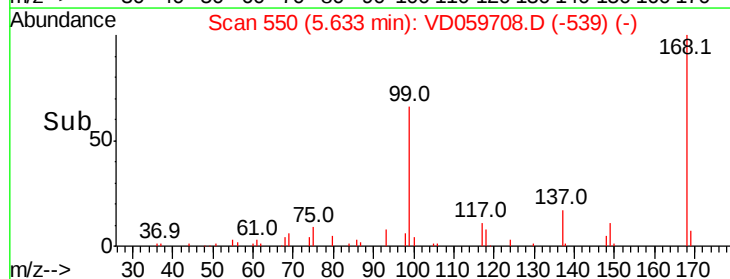
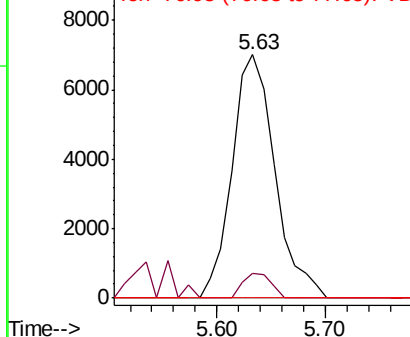
75 100

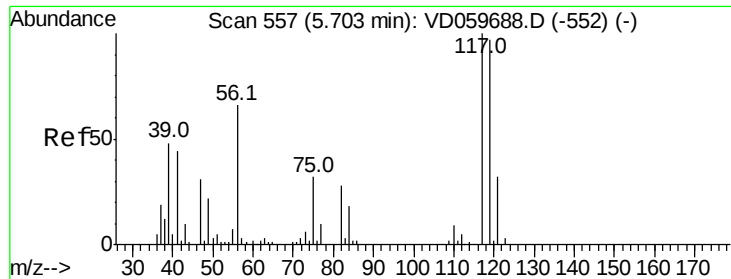
110 9.9 14.1 42.3#

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

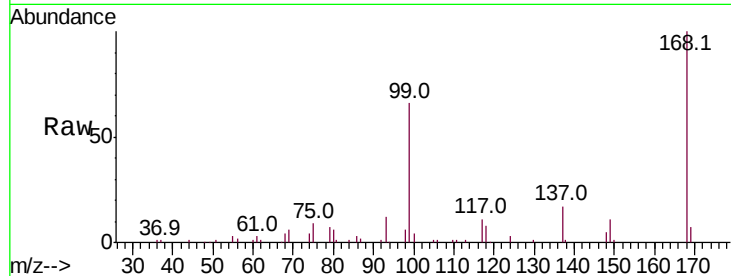




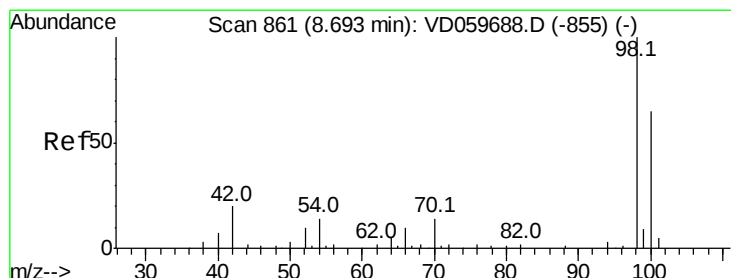
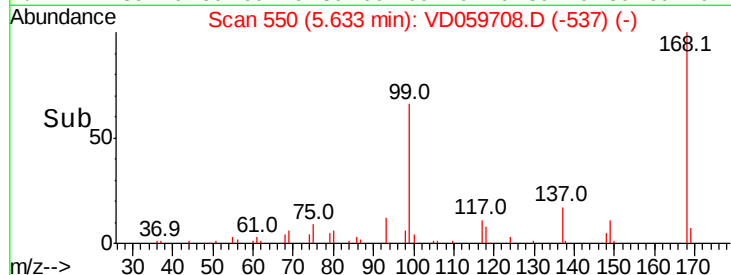
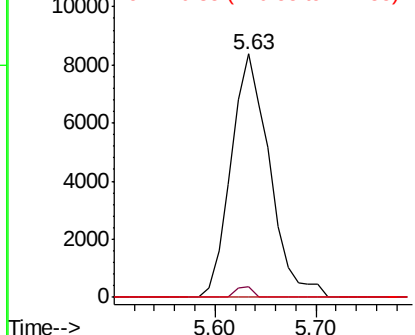
#38
Carbon Tetrachloride
Concen: 5.731 ug/l
RT: 5.63 min Scan# 550
Delta R.T. -0.07 min
Lab File: VD059708.D
Acq: 8 Aug 2018 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBL01

Tot Ion:117 Resp: 22195
Ion Ratio Lower Upper
117 100
119 4.4 75.3 112.9#
121 0.0 24.4 36.6#

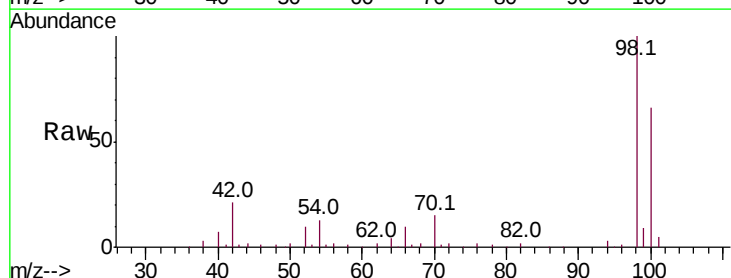


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

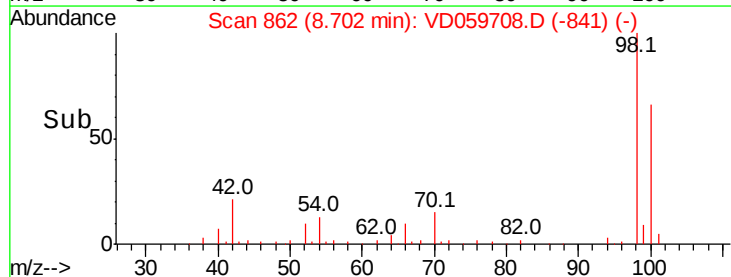
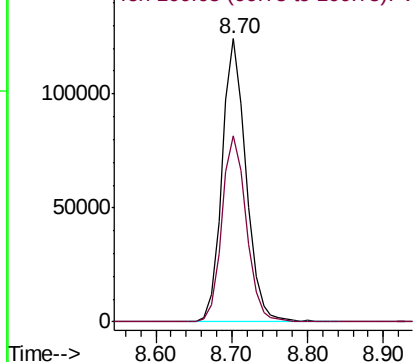


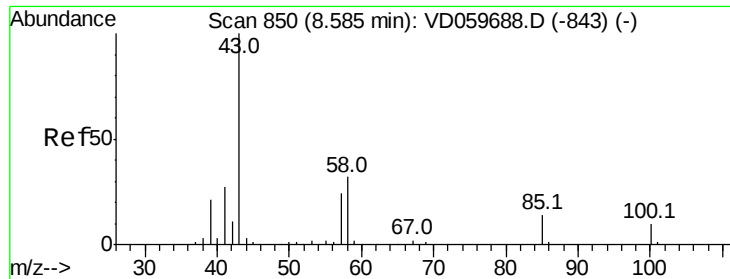
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD059708.D
Acq: 8 Aug 2018 12:43

Tgt Ion: 98 Resp: 271575
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



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





#51

4-Methyl-2-Pentanone

Concen: 1.435 ug/l

RT: 8.70 min Scan# 862

Delta R.T. 0.12 min

Lab File: VD059708.D

Acq: 8 Aug 2018 12:43

Instrument :

MSVOA_D

ClientSampleId :

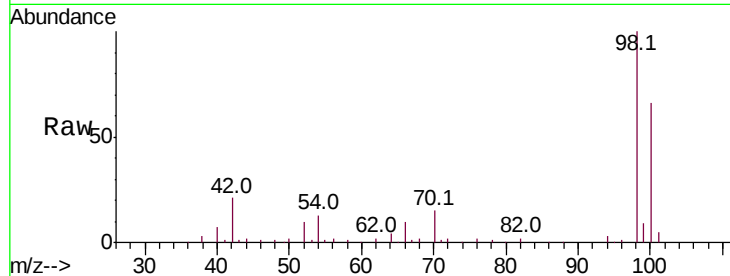
VD0808SBL01

Tot Ion: 43 Resp: 1922

Ion Ratio Lower Upper

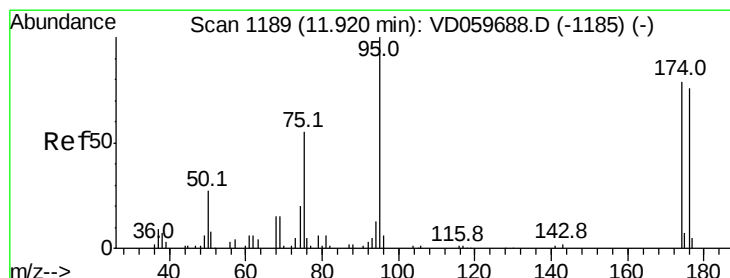
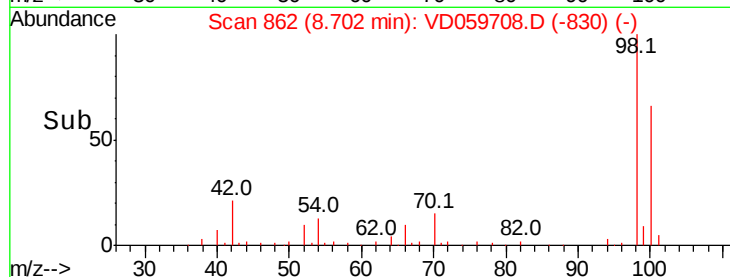
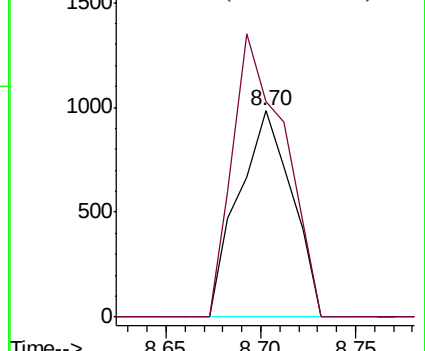
43 100

58 104.7 25.7 38.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.01 min

Lab File: VD059708.D

Acq: 8 Aug 2018 12:43

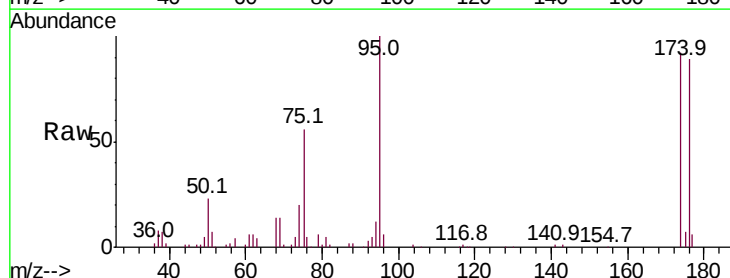
Tgt Ion: 95 Resp: 121548

Ion Ratio Lower Upper

95 100

174 91.6 0.0 158.4

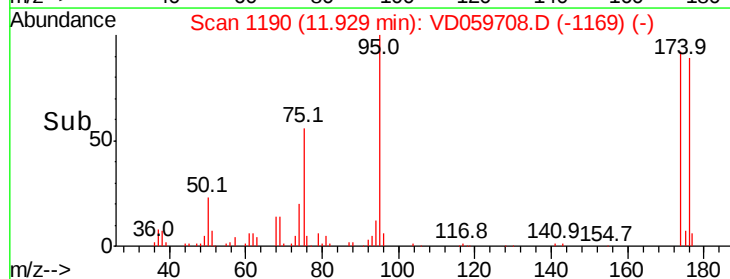
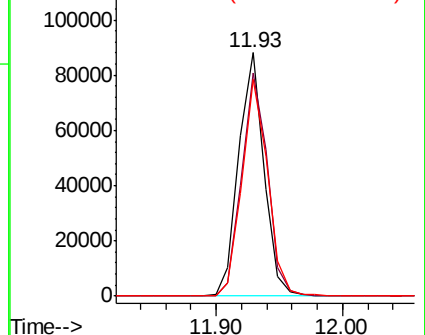
176 89.1 0.0 153.0

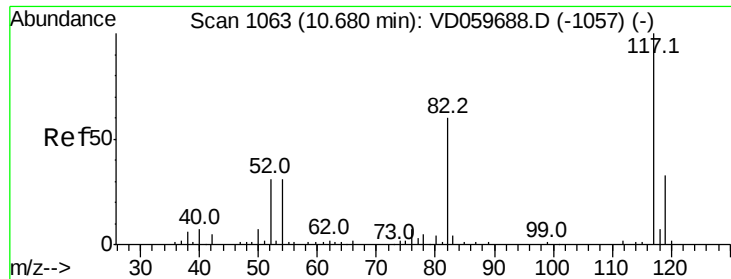


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

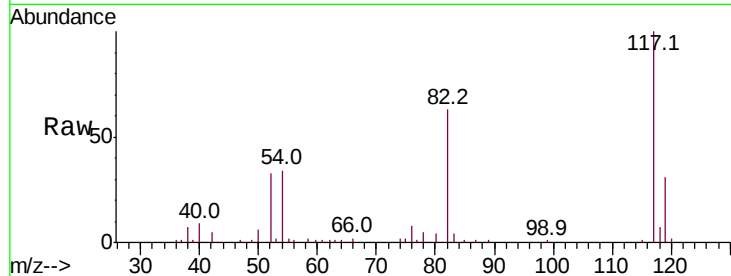




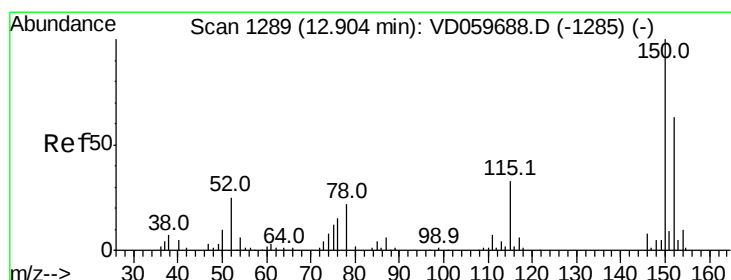
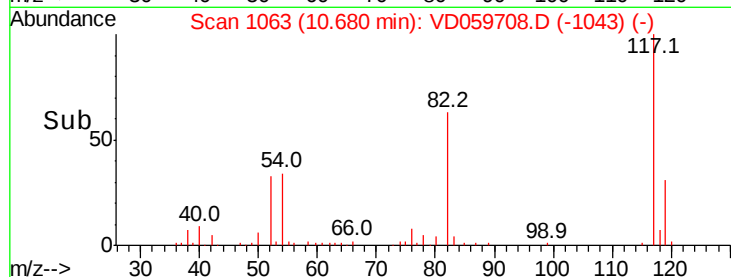
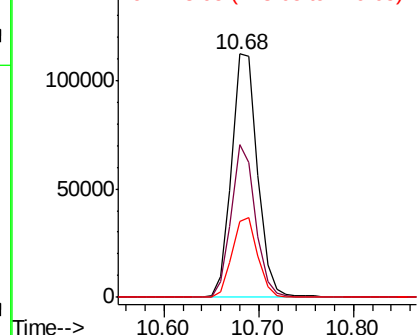
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059708.D
Acq: 8 Aug 2018 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0808SBL01

Tot Ion:117 Resp: 213354
Ion Ratio Lower Upper
117 100
82 62.9 47.7 71.5
119 31.2 26.6 40.0

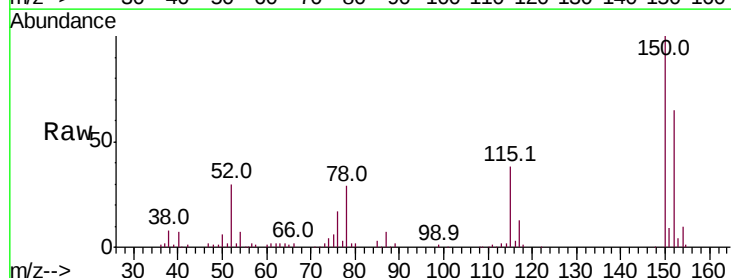


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

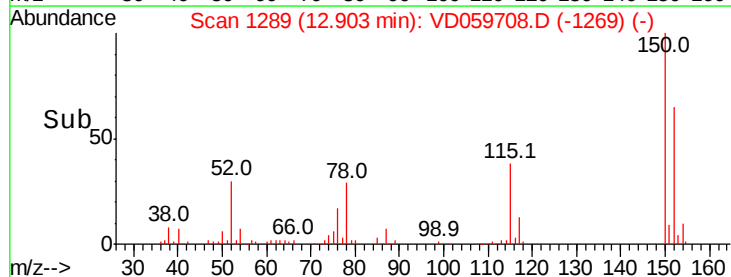
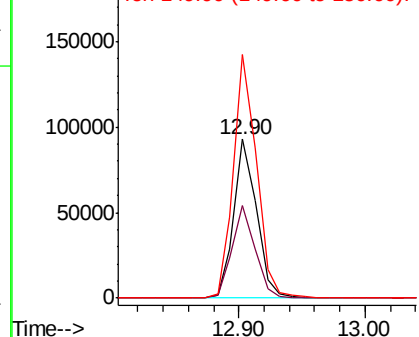


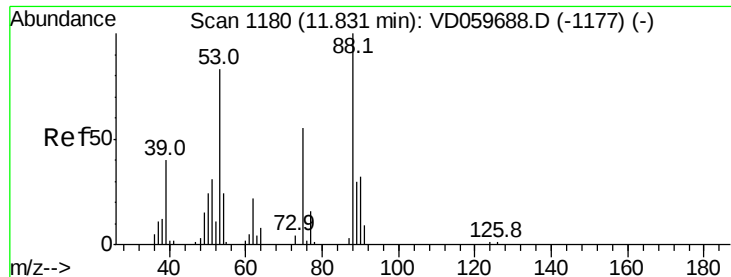
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059708.D
Acq: 8 Aug 2018 12:43

Tgt Ion:152 Resp: 115734
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.4
150 153.2 0.0 318.0



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: 154.938 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD059708.D

Acq: 8 Aug 2018 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0808SBL01

Tot Ion: 75 Resp: 67650

Ion Ratio Lower Upper

75 100

53 0.0 120.5 180.7#

89 0.0 44.4 66.6#

