

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\
 Data File : VD059636.D
 Acq On : 30 Jul 2018 23:34
 Operator : VA/AP
 Sample : J4192-02
 Misc : 10.03g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-03-001-A

Quant Time: Jul 31 05:19:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	124321	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.67	114	165546	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.68	117	139180	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	71747	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	91641	58.63	ug/l	0.01
Spiked Amount			Recovery	=	117.26%	
35) Dibromofluoromethane	5.53	113	79669	56.10	ug/l	0.02
Spiked Amount			Recovery	=	112.20%	
50) Toluene-d8	8.69	98	165520	51.38	ug/l	0.01
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.92	95	76048	52.41	ug/l	0.00
Spiked Amount			Recovery	=	104.82%	

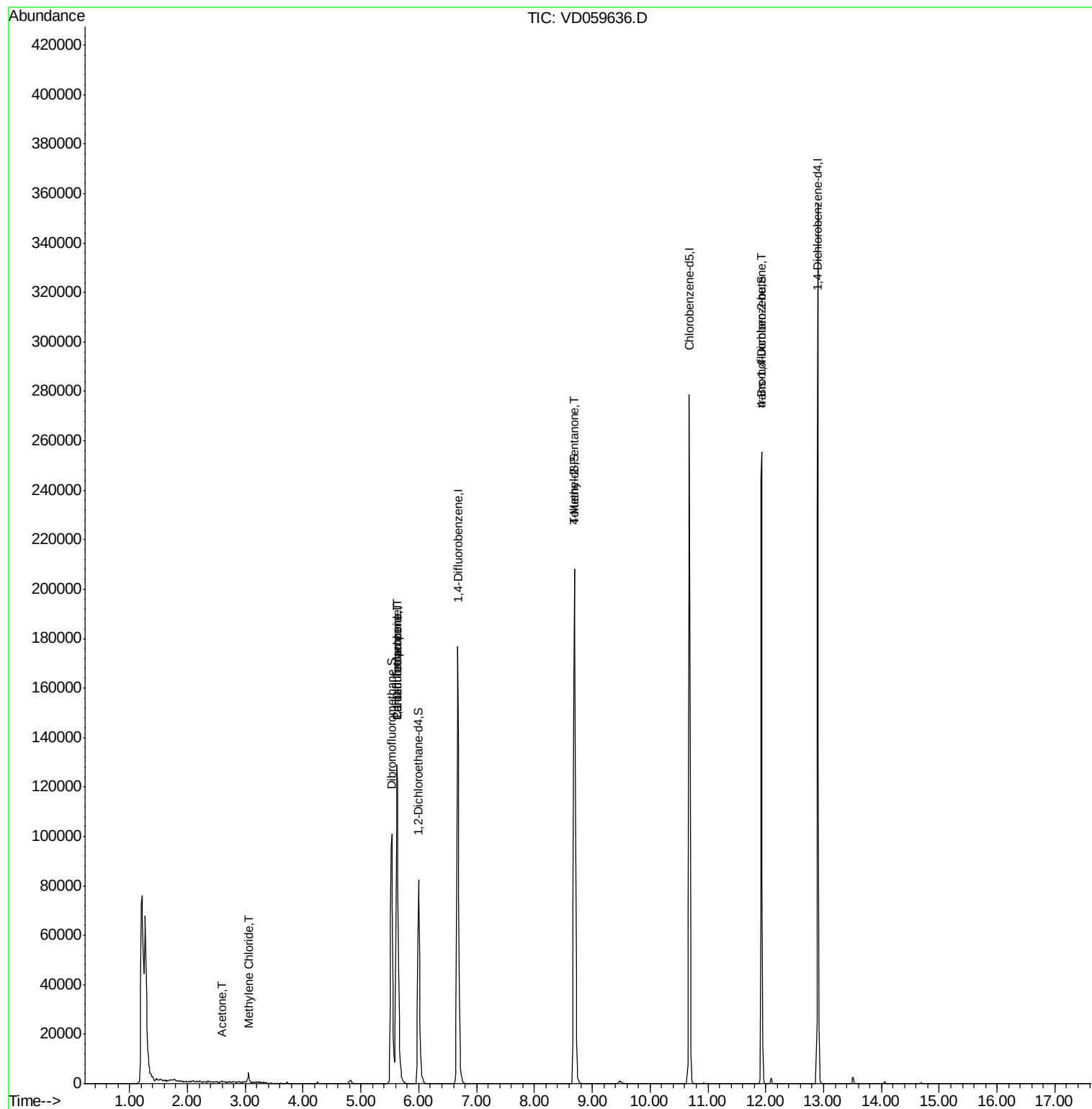
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.59	43	964	4.08	ug/l	# 61
20) Methylene Chloride	3.05	84	1594	2.37	ug/l	94
31) Cyclohexane	5.62	56	3059	Below Cal		# 1
36) 1,1-Dichloropropene	5.62	75	10692	6.44	ug/l	# 52
38) Carbon Tetrachloride	5.63	117	11976	5.26	ug/l	# 14
51) 4-Methyl-2-Pentanone	8.69	43	846	1.07	ug/l	# 1
81) trans-1,4-Dichloro-2-buten	11.92	75	43088	142.04	ug/l	# 1

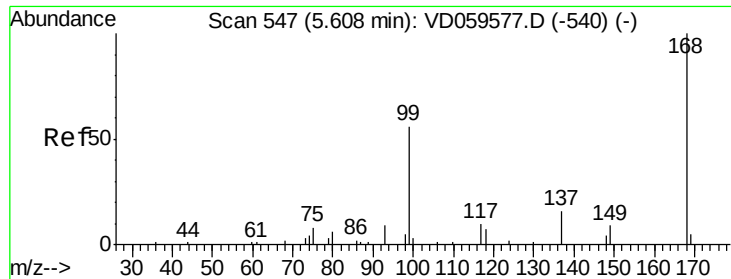
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD073018\
Data File : VD059636.D
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Misc : 10.03g/5ml/MSVOA D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-001-A

Quant Time: Jul 31 05:19:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 25 07:10:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.62 min Scan# 549

Delta R.T. 0.01 min

Lab File: VD059636.D

Acq: 30 Jul 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

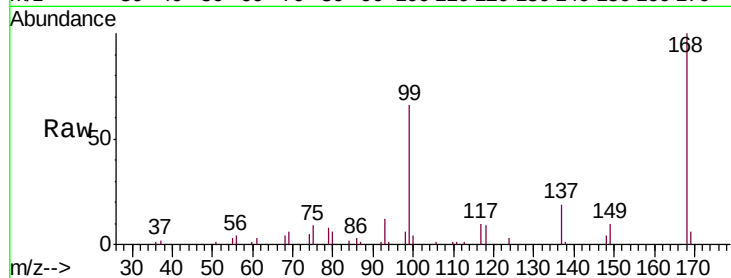
FK-BPM-03-001-A

Tot Ion:168 Resp: 124321

Ion Ratio Lower Upper

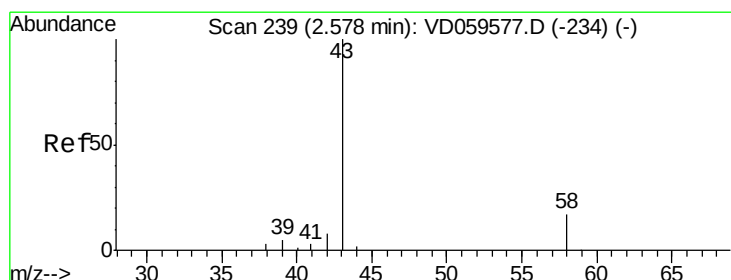
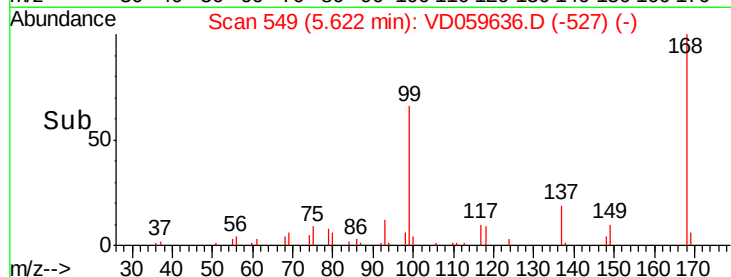
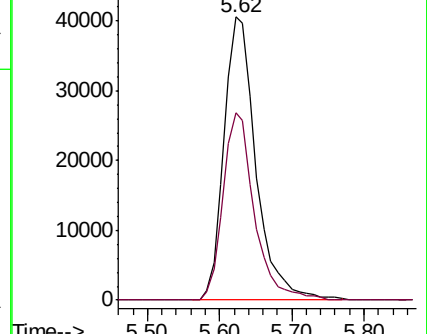
168 100

99 66.4 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 4.08 ug/l

RT: 2.59 min Scan# 241

Delta R.T. 0.01 min

Lab File: VD059636.D

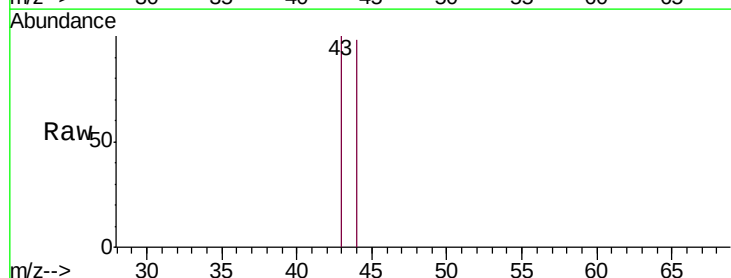
Acq: 30 Jul 2018 23:34

Tgt Ion: 43 Resp: 964

Ion Ratio Lower Upper

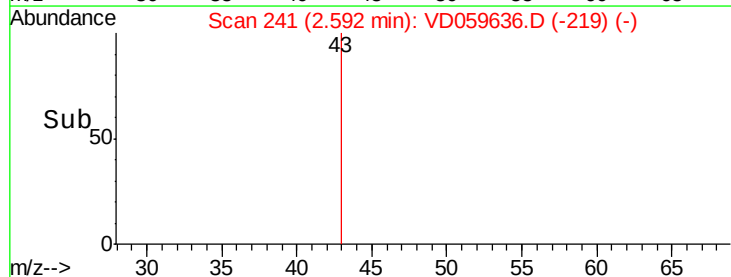
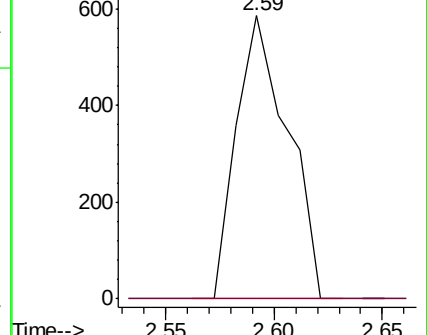
43 100

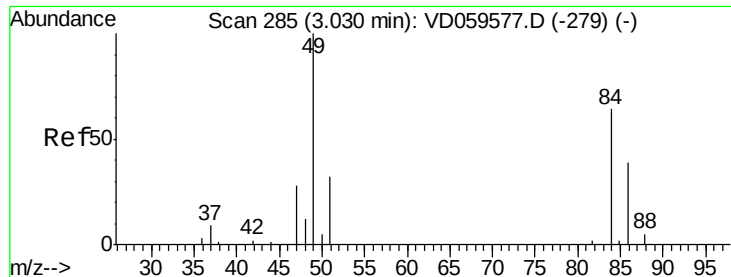
58 0.0 13.4 20.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

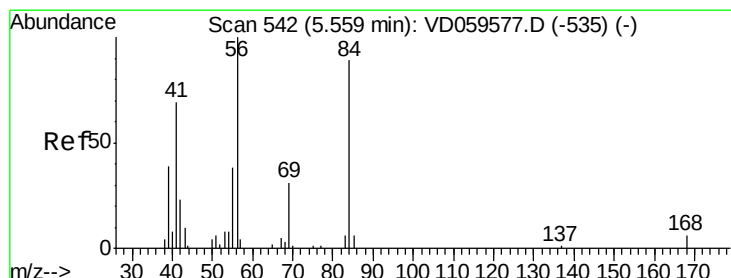
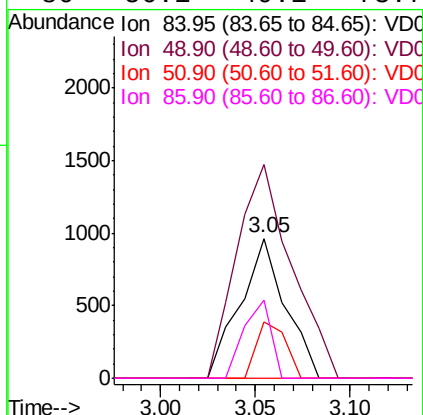
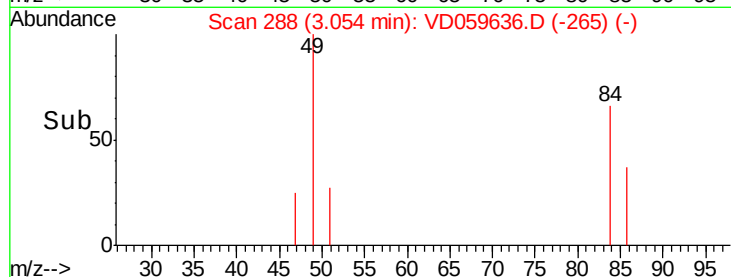
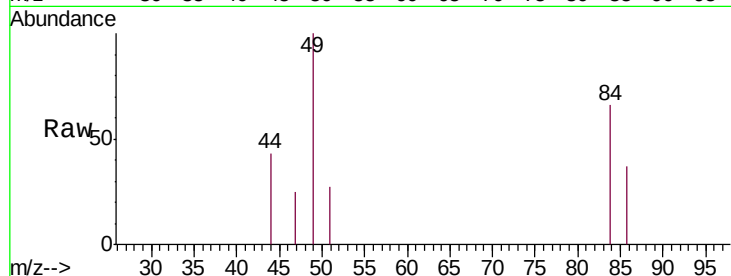




#20
Methvlene Chloride
Concen: 2.37 ua/l
RT: 3.05 min Scan# 288
Delta R.T. 0.02 min
Lab File: VD059636.D
Acq: 30 Jul 2018 23:34

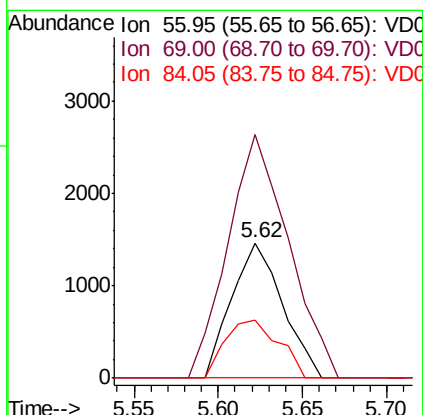
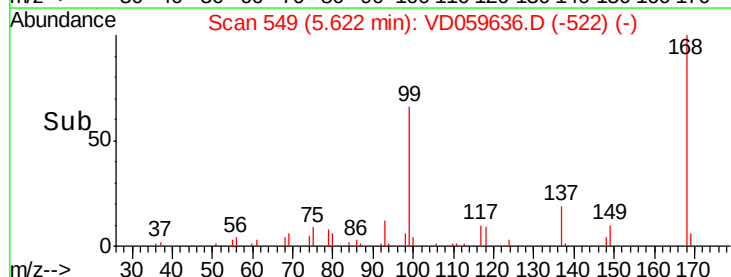
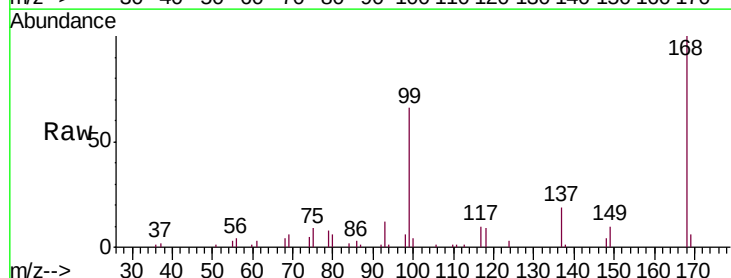
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-03-001-A

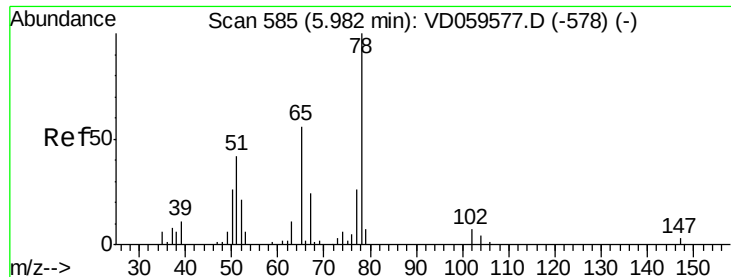
Tot Ion: 84 Resp: 1594
Ion Ratio Lower Upper
84 100
49 152.5 125.4 188.2
51 40.6 39.7 59.5
86 56.1 49.1 73.7



#31
Cyclohexane
Concen: Below Cal
RT: 5.62 min Scan# 549
Delta R.T. 0.06 min
Lab File: VD059636.D
Acq: 30 Jul 2018 23:34

Tgt Ion: 56 Resp: 3059
Ion Ratio Lower Upper
56 100
69 179.8 24.6 37.0#
84 43.1 72.7 109.1#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD059636.D

Acq: 30 Jul 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

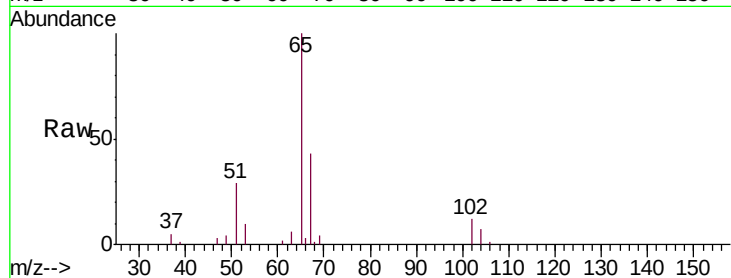
FK-BPM-03-001-A

Tot Ion: 65 Resp: 91641

Ion Ratio Lower Upper

65 100

67 43.0 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.00

40000

30000

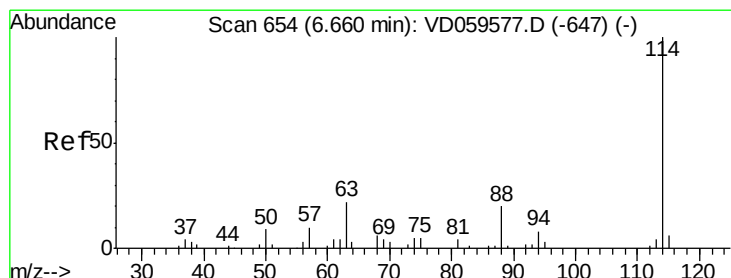
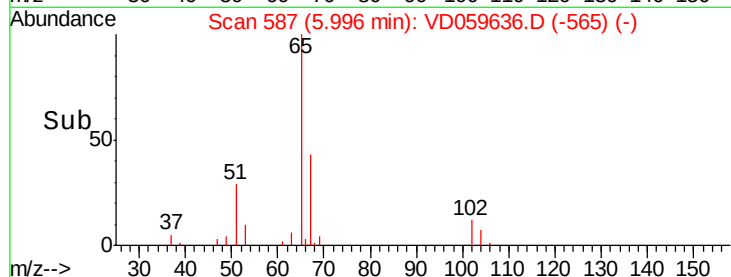
20000

10000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.67 min Scan# 656

Delta R.T. 0.01 min

Lab File: VD059636.D

Acq: 30 Jul 2018 23:34

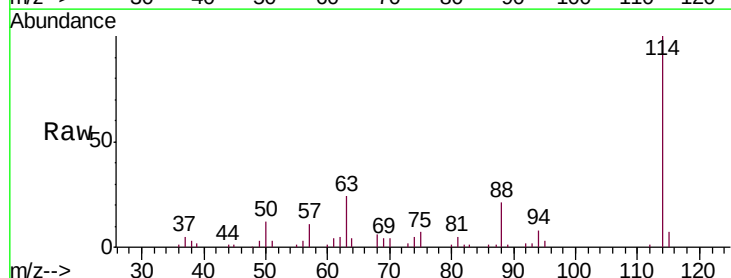
Tgt Ion: 114 Resp: 165546

Ion Ratio Lower Upper

114 100

63 23.6 0.0 43.8

88 20.9 0.0 39.0



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

6.67

80000

60000

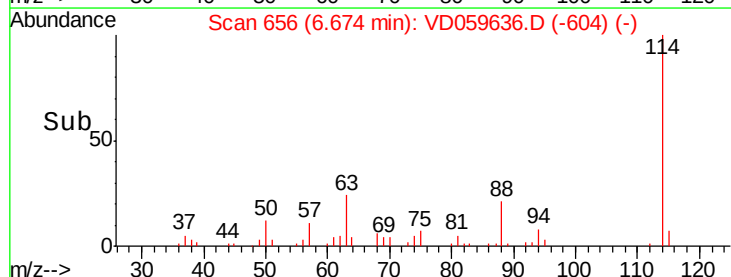
40000

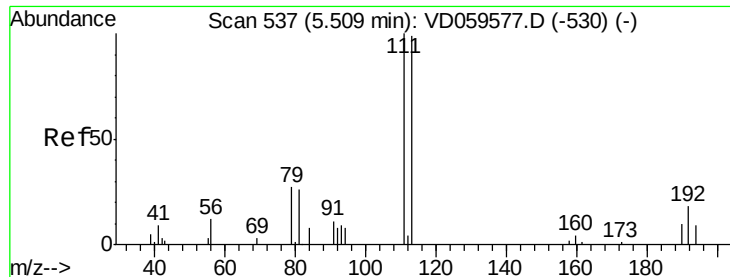
20000

0

Time-->

6.60 6.70 6.80





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 5.53 min Scan# 540

Delta R.T. 0.02 min

Lab File: VD059636.D

Acq: 30 Jul 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-001-A

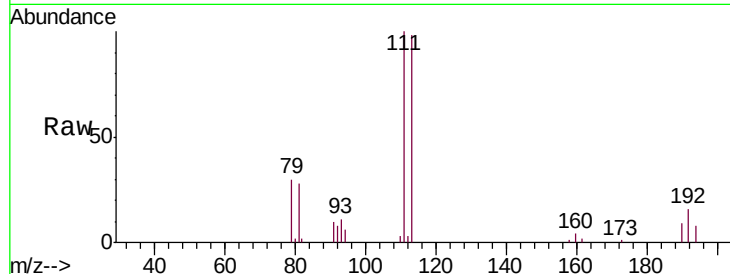
Tot Ion:113 Resp: 79669

Ion Ratio Lower Upper

113 100

111 102.2 80.5 120.7

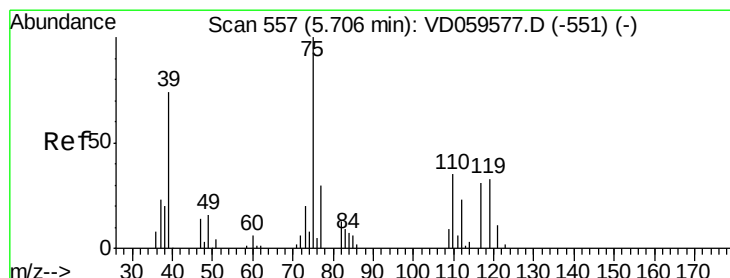
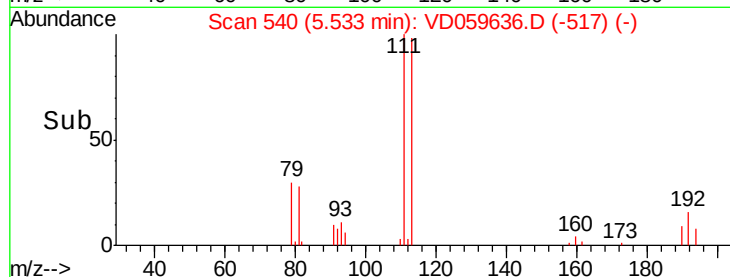
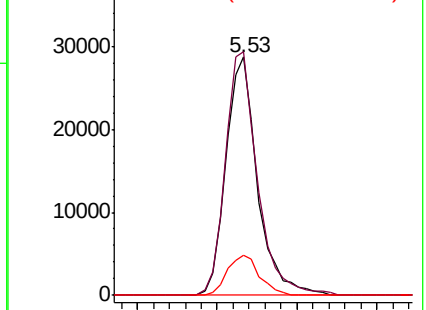
192 16.7 14.5 21.7



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: 6.44 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.08 min

Lab File: VD059636.D

Acq: 30 Jul 2018 23:34

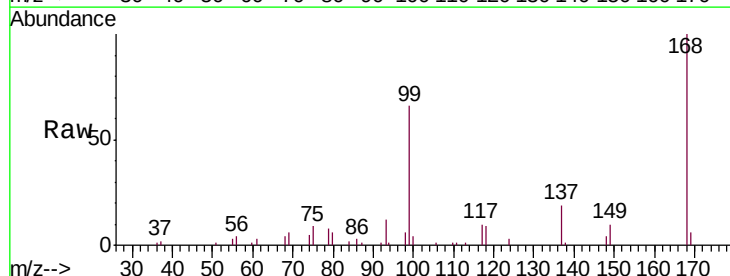
Tgt Ion: 75 Resp: 10692

Ion Ratio Lower Upper

75 100

110 9.8 17.0 50.9#

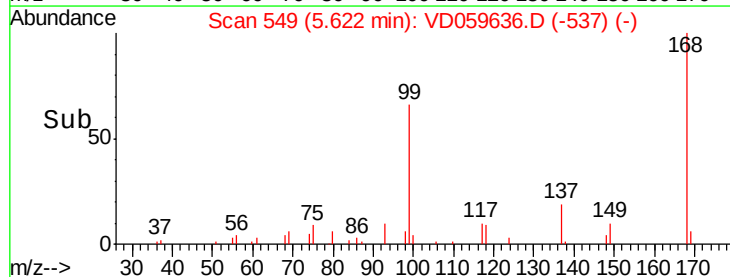
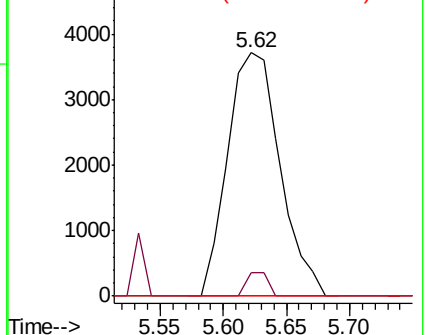
77 0.0 23.6 35.4#

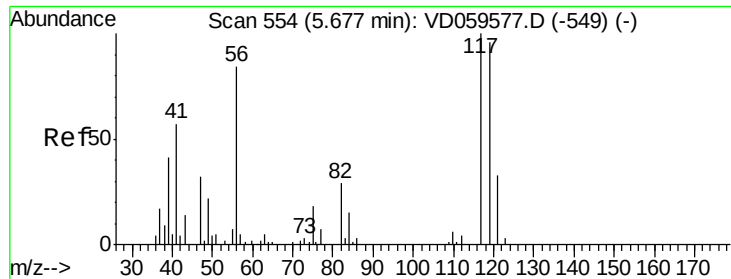


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.26 ug/l

RT: 5.63 min Scan# 550

Delta R.T. -0.04 min

Lab File: VD059636.D

Acq: 30 Jul 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-001-A

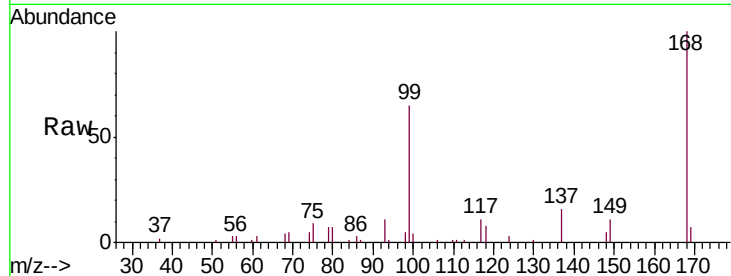
Tot Ion:117 Resp: 11976

Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

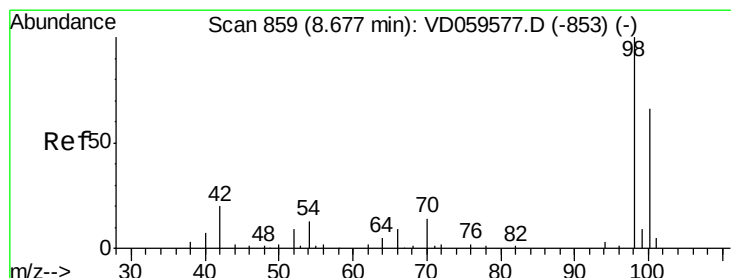
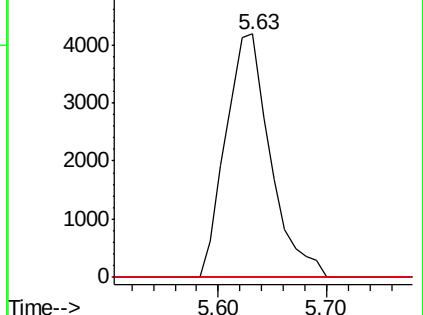
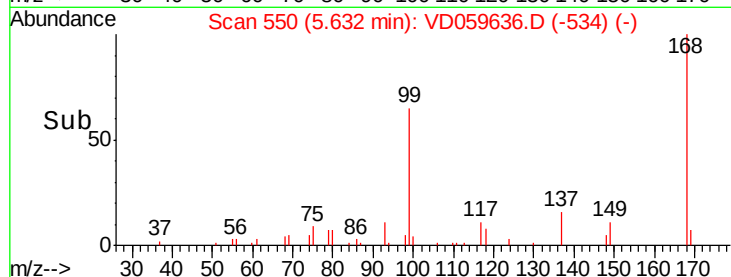
121 0.0 25.0 37.6#



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: 8.69 min Scan# 861

Delta R.T. 0.01 min

Lab File: VD059636.D

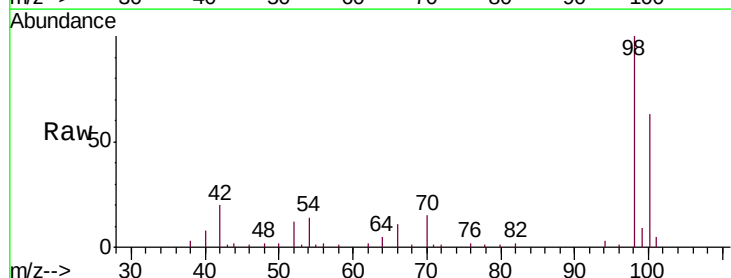
Acq: 30 Jul 2018 23:34

Tgt Ion: 98 Resp: 165520

Ion Ratio Lower Upper

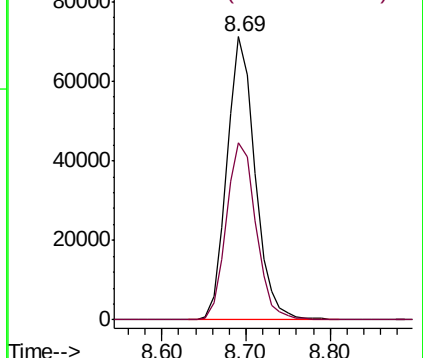
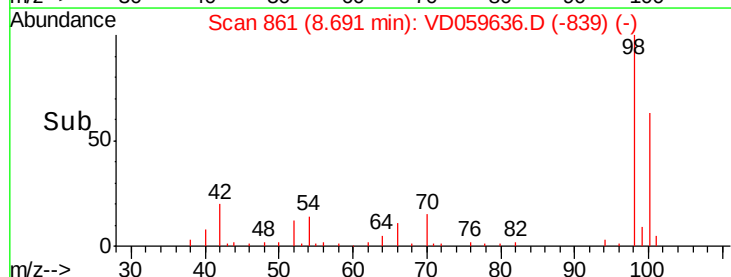
98 100

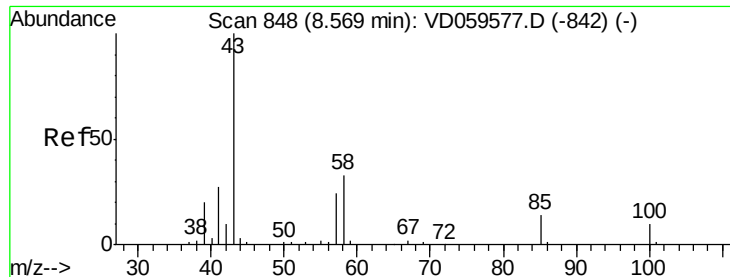
100 62.6 53.2 79.8



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: 1.07 ug/l

RT: 8.69 min Scan# 861

Delta R.T. 0.12 min

Lab File: VD059636.D

Acq: 30 Jul 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

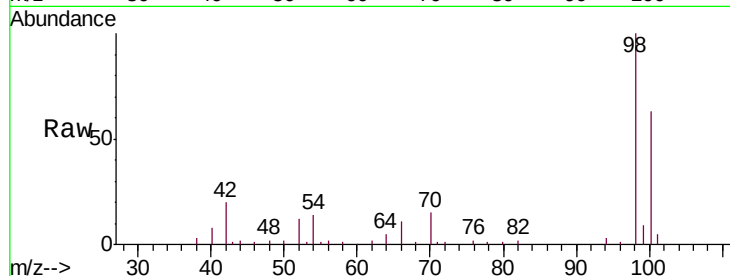
FK-BPM-03-001-A

Tot Ion: 43 Resp: 846

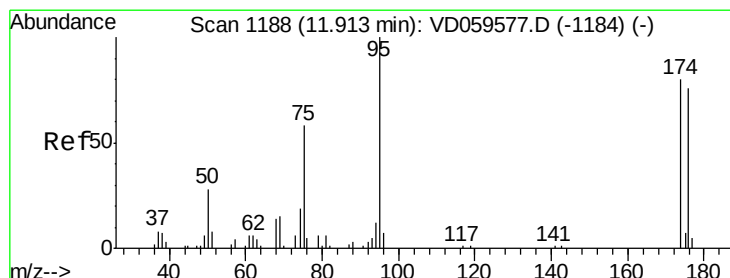
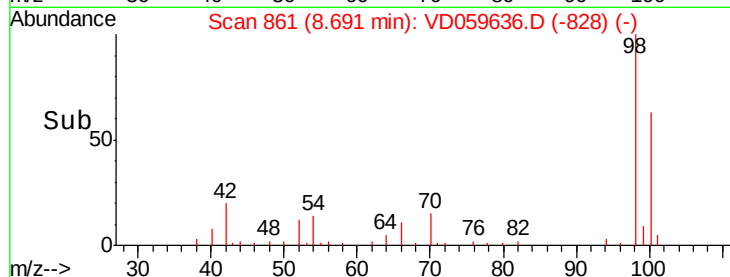
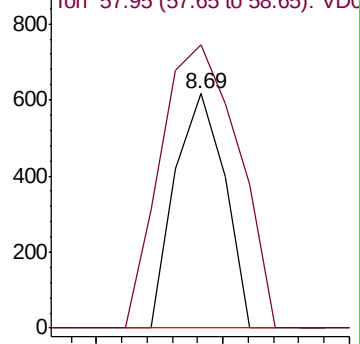
Ion Ratio Lower Upper

43 100

58 120.8 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059636.D

Acq: 30 Jul 2018 23:34

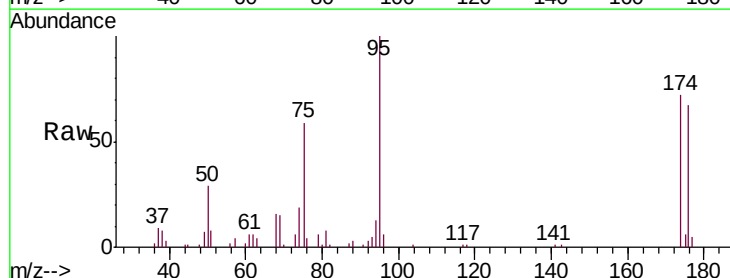
Tgt Ion: 95 Resp: 76048

Ion Ratio Lower Upper

95 100

174 71.7 0.0 160.6

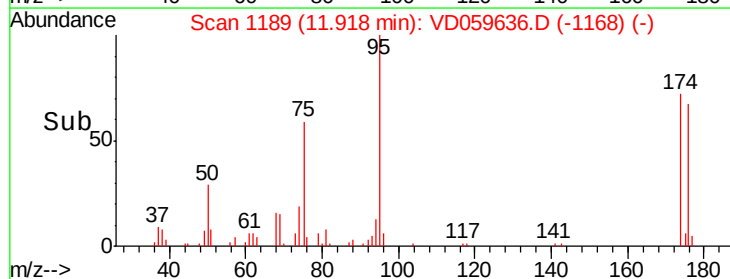
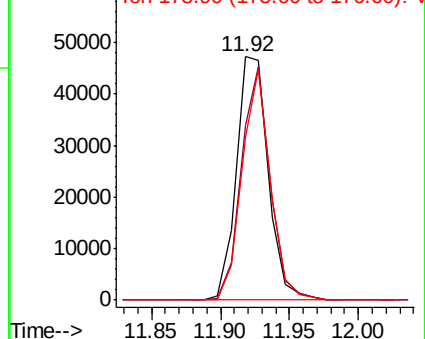
176 67.0 0.0 152.8

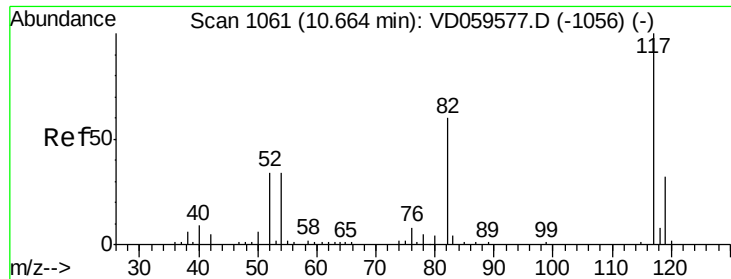


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

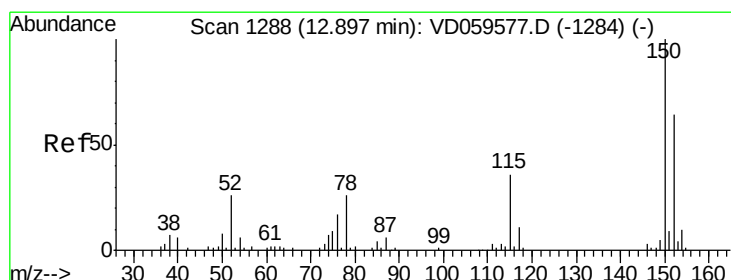
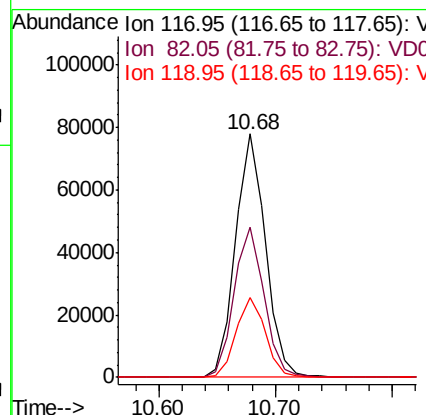
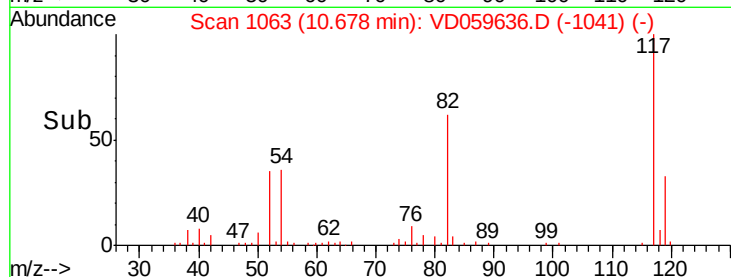
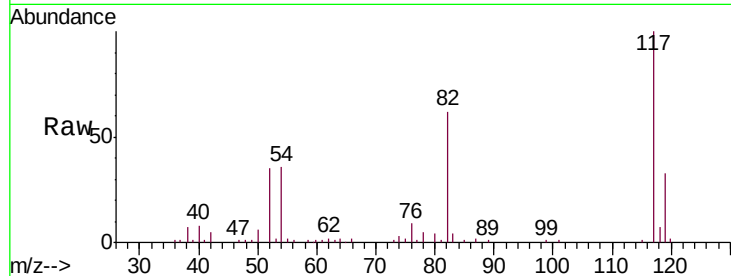




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.01 min
Lab File: VD059636.D
Acq: 30 Jul 2018 23:34

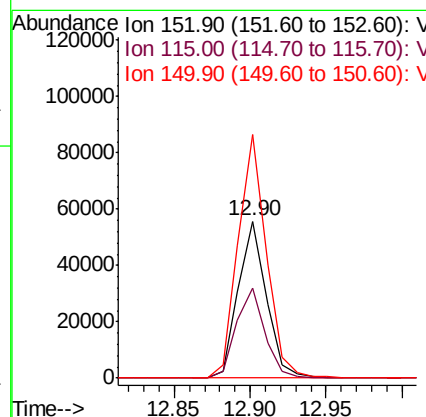
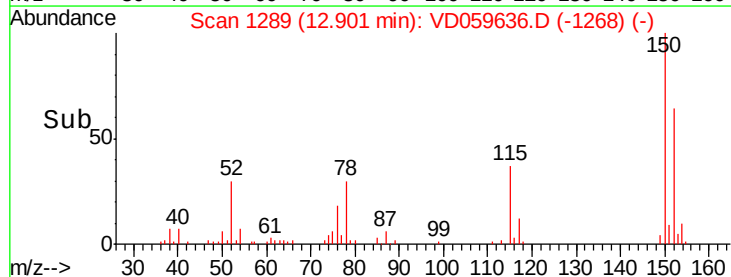
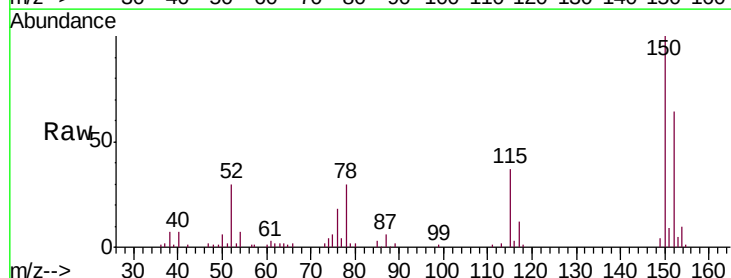
Instrument :
MSVOA_D
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FK-BPM-03-001-A

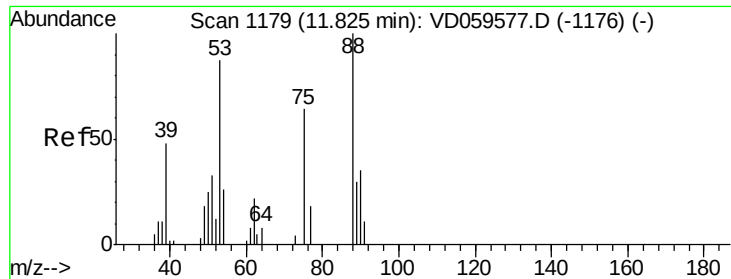
Tot Ion:117 Resp: 139180
Ion Ratio Lower Upper
117 100
82 61.6 48.2 72.2
119 32.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VD059636.D
Acq: 30 Jul 2018 23:34

Tgt Ion:152 Resp: 71747
Ion Ratio Lower Upper
152 100
115 57.2 29.5 88.6
150 155.5 0.0 314.4





#81

trans-1,4-Dichloro-2-butene

Concen: 142.04 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD059636.D

Acq: 30 Jul 2018 23:34

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-03-001-A

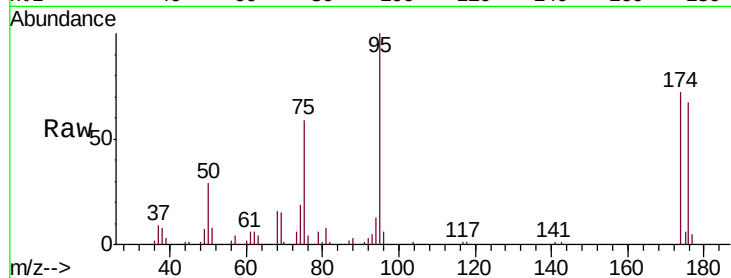
Tot Ion: 75 Resp: 43088

Ion Ratio Lower Upper

75 100

53 0.0 107.7 161.5#

89 0.0 37.3 55.9#



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

