

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080918\
 Data File : VD059727.D
 Acq On : 9 Aug 2018 20:42
 Operator : VA/AP
 Sample : J4388-04
 Misc : 4.90g/5ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S-2B

Quant Time: Aug 10 01:18:05 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	143455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.69	114	163477	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.69	117	128458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.90	152	69958	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	118398	64.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.32%	
35) Dibromofluoromethane	5.53	113	94348	64.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.50%	
50) Toluene-d8	8.70	98	151162	47.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.58%	
62) 4-Bromofluorobenzene	11.93	95	77476	52.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.04%	

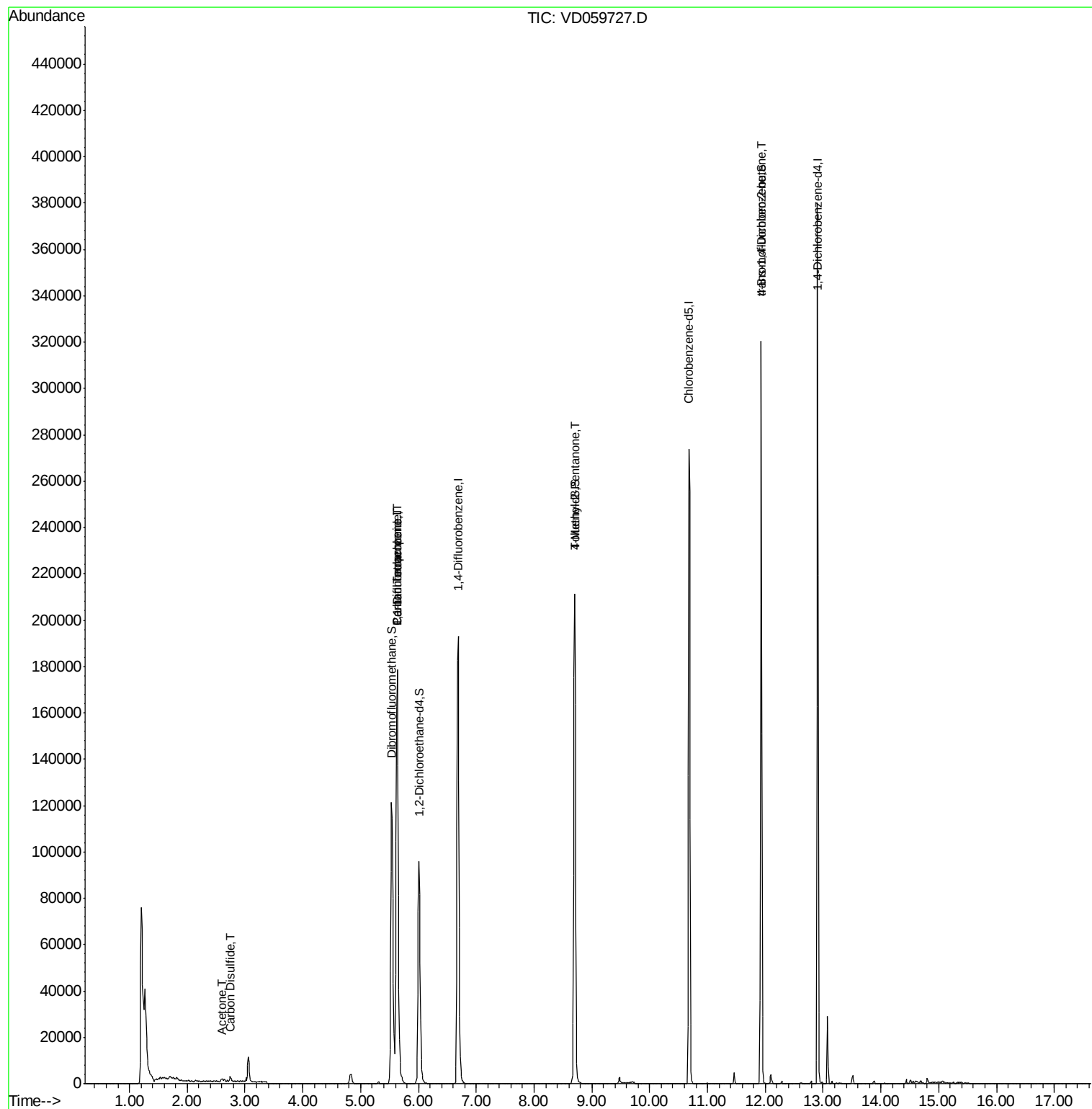
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.60	43	2117	6.107	ug/l #	60
17) Carbon Disulfide	2.74	76	2567	1.008	ug/l #	74
20) Methylene Chloride	3.06	84	4443	Below Cal	#	79
31) Cyclohexane	5.62	56	4464	Below Cal	#	1
36) 1,1-Dichloropropene	5.62	75	14536	7.998	ug/l #	54
38) Carbon Tetrachloride	5.63	117	17072	7.019	ug/l #	13
51) 4-Methyl-2-Pentanone	8.70	43	1028	1.222	ug/l #	4
81) trans-1,4-Dichloro-2-buten	11.93	75	49526	187.649	ug/l #	1

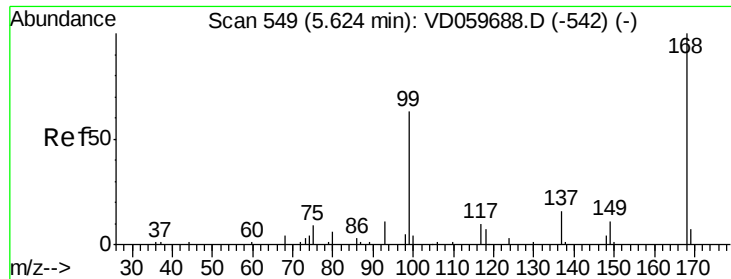
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080918\
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S-2B

Quant Time: Aug 10 01:18:05 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: VD059727.D

Acq: 9 Aug 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

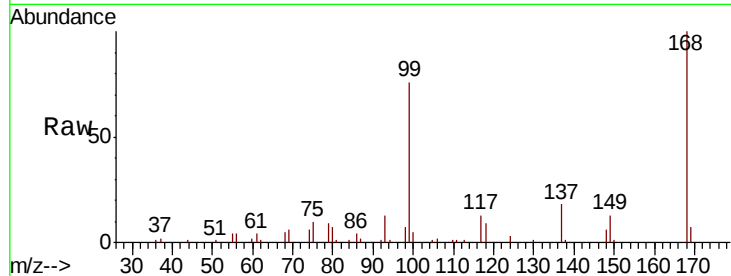
S-2B

Tgt Ion:168 Resp: 143455

Ion Ratio Lower Upper

168 100

99 75.9 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

5.63

60000

50000

40000

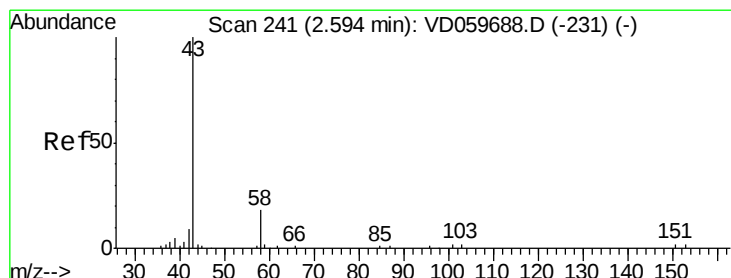
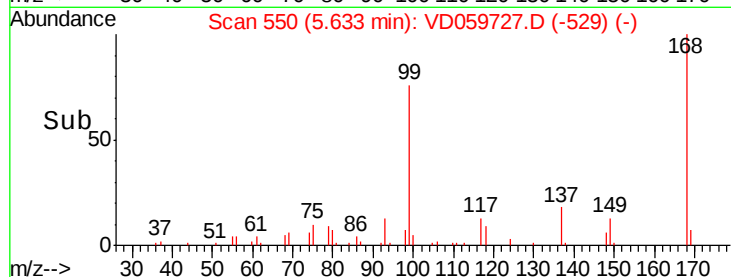
30000

20000

10000

0

Time-->



#16

Acetone

Concen: 6.107 ug/l

RT: 2.60 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD059727.D

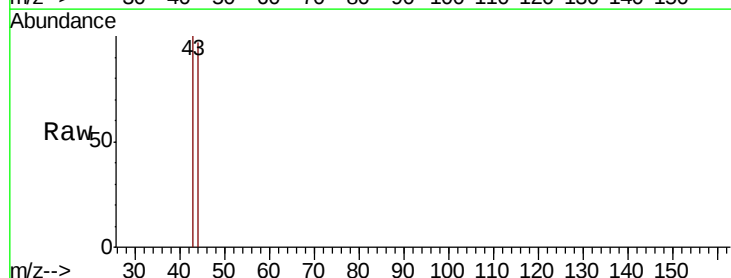
Acq: 9 Aug 2018 20:42

Tgt Ion: 43 Resp: 2117

Ion Ratio Lower Upper

43 100

58 0.0 14.2 21.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

1200

1000

800

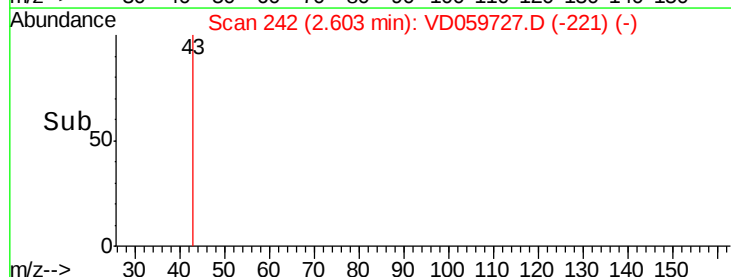
600

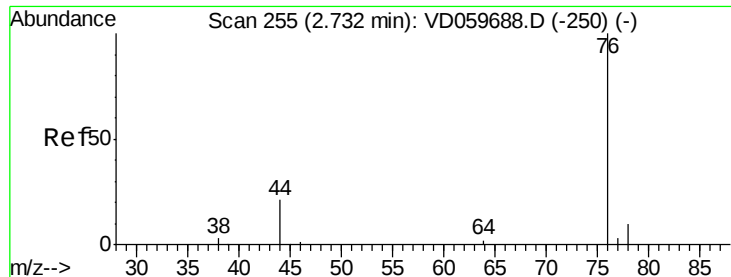
400

200

0

Time-->





#17

Carbon Disulfide

Concen: 1.008 ug/l

RT: 2.74 min Scan# 256

Delta R.T. 0.01 min

Lab File: VD059727.D

Acq: 9 Aug 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

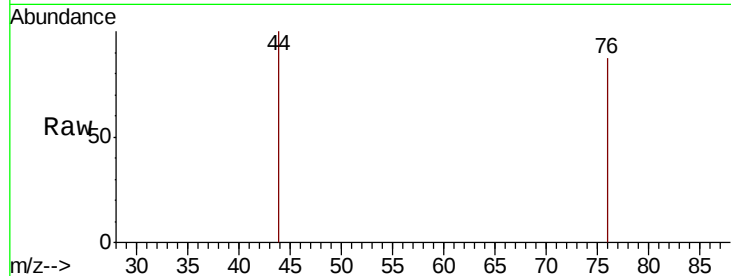
S-2B

Tgt Ion: 76 Resp: 2567

Ion Ratio Lower Upper

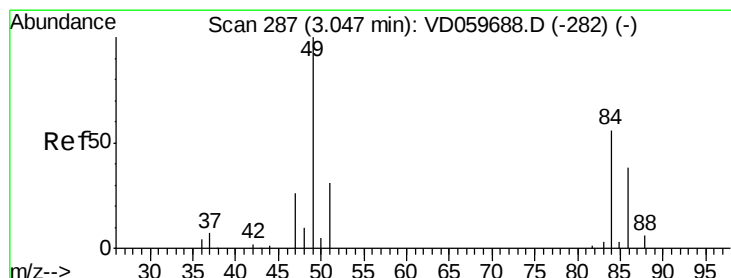
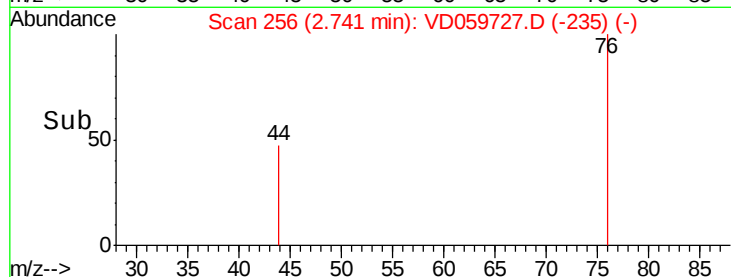
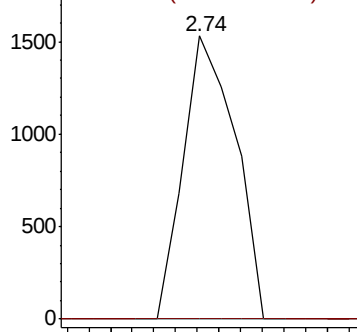
76 100

78 0.0 7.7 11.5#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.06 min Scan# 288

Delta R.T. 0.01 min

Lab File: VD059727.D

Acq: 9 Aug 2018 20:42

Tgt Ion: 84 Resp: 4443

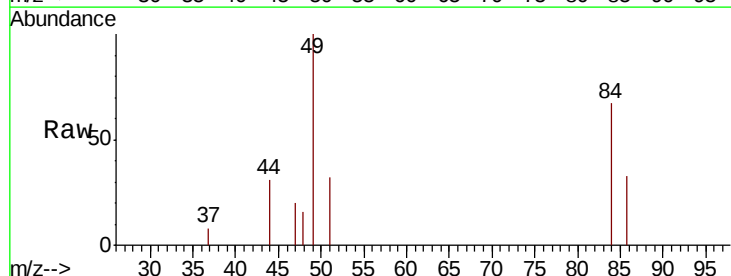
Ion Ratio Lower Upper

84 100

49 148.4 143.4 215.2

51 47.2 44.2 66.4

86 48.6 55.0 82.6#

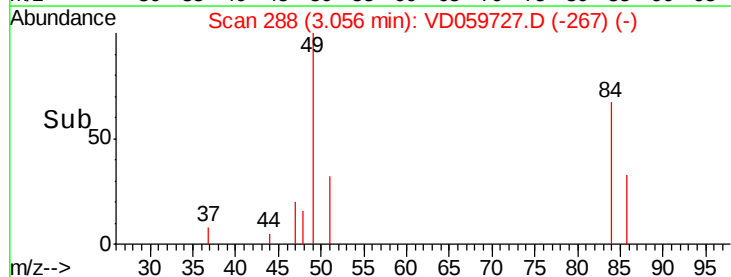
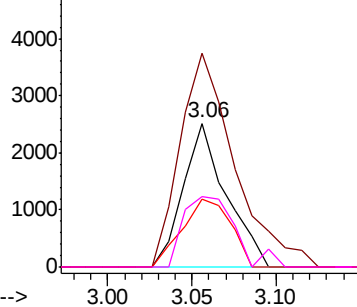


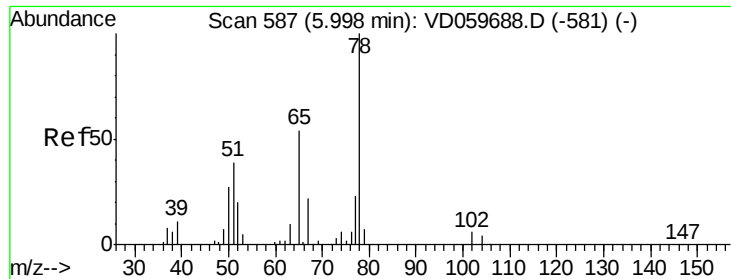
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.01 min Scan# 588

Delta R.T. 0.01 min

Lab File: VD059727.D

Acq: 9 Aug 2018 20:42

Instrument :

MSVOA_D

ClientSampled :

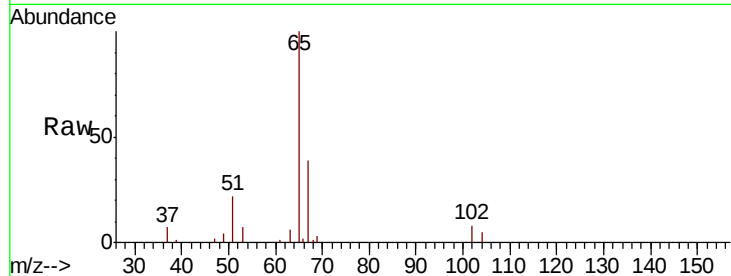
S-2B

Tgt Ion: 65 Resp: 118398

Ion Ratio Lower Upper

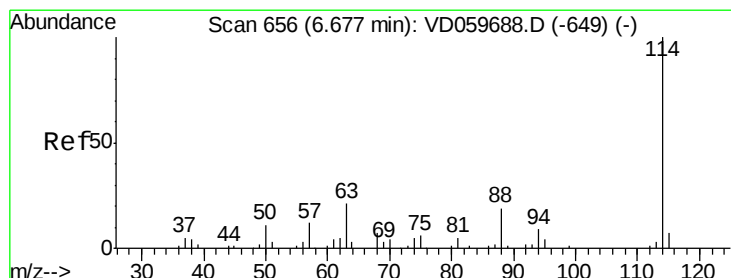
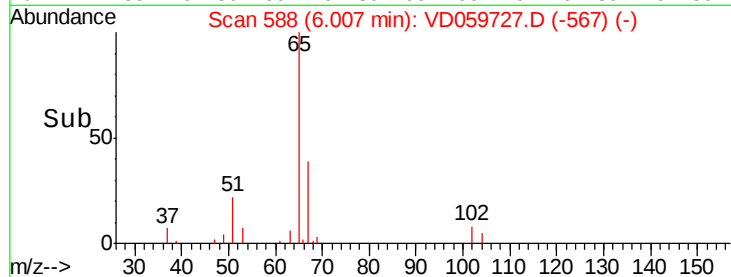
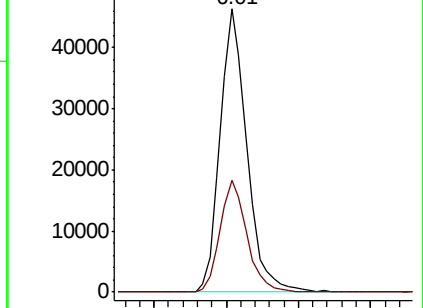
65 100

67 39.4 0.0 80.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.69 min Scan# 657

Delta R.T. 0.01 min

Lab File: VD059727.D

Acq: 9 Aug 2018 20:42

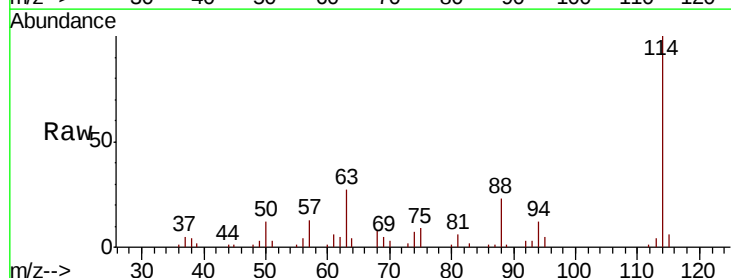
Tgt Ion: 114 Resp: 163477

Ion Ratio Lower Upper

114 100

63 27.5 0.0 42.6

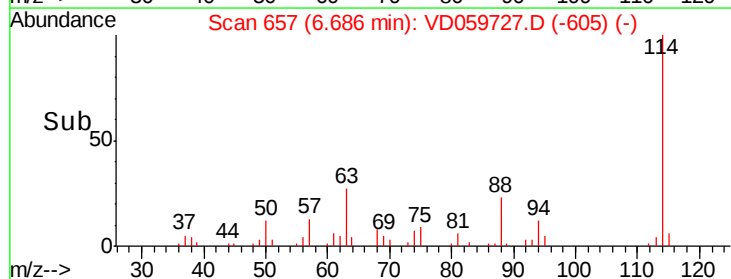
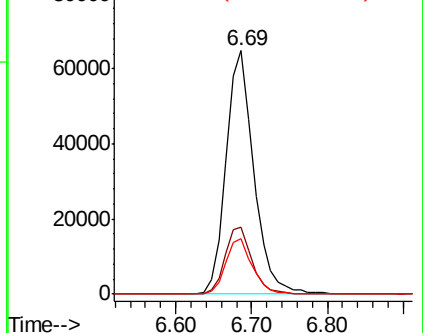
88 23.0 0.0 38.8

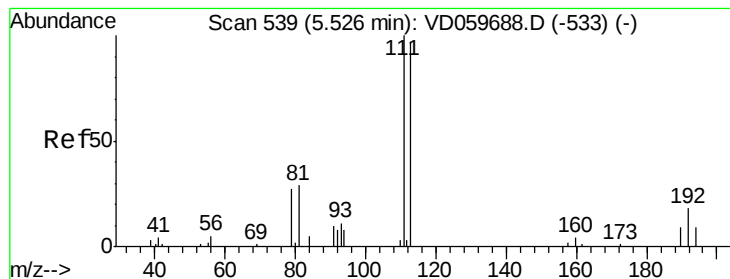


Abundance Ion 114.00 (113.70 to 114.70): VDC

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: 5.53 min Scan# 540

Delta R.T. 0.01 min

Lab File: VD059727.D

Acq: 9 Aug 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

S-2B

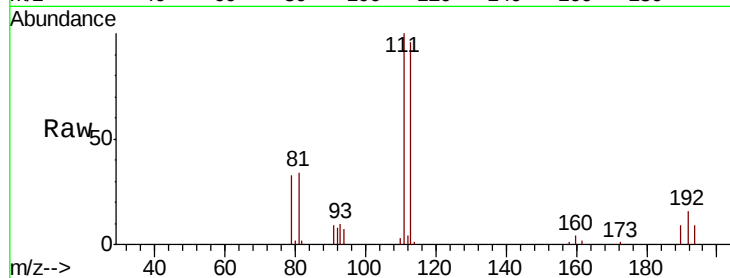
Tgt Ion:113 Resp: 94348

Ion Ratio Lower Upper

113 100

111 103.7 82.8 124.2

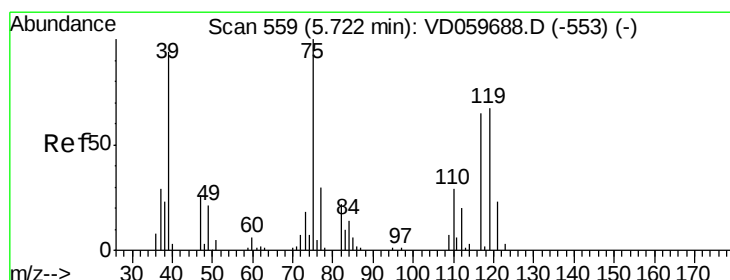
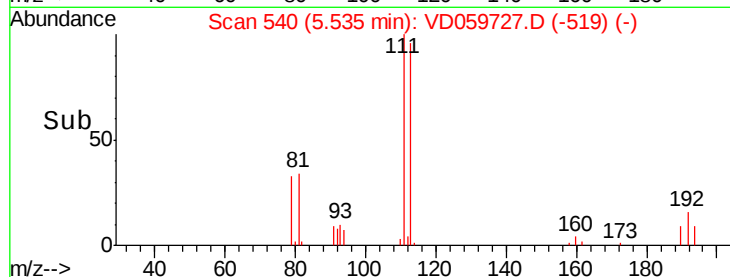
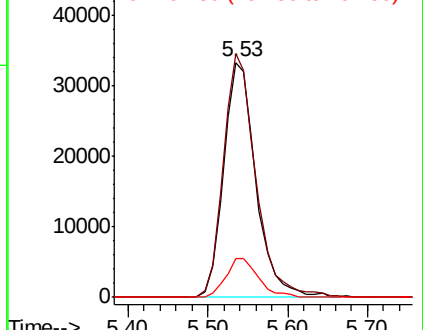
192 16.5 14.6 22.0



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: 7.998 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.10 min

Lab File: VD059727.D

Acq: 9 Aug 2018 20:42

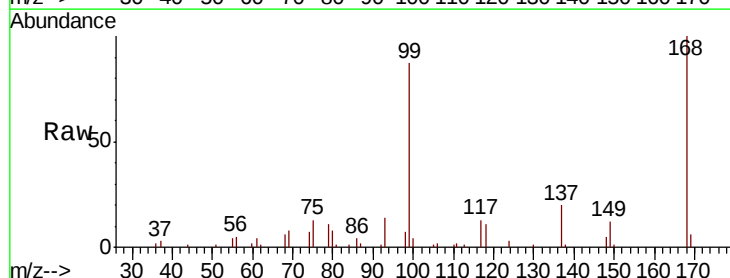
Tgt Ion: 75 Resp: 14536

Ion Ratio Lower Upper

75 100

110 9.3 14.1 42.3#

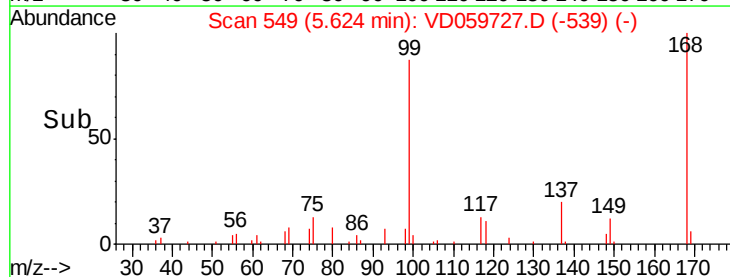
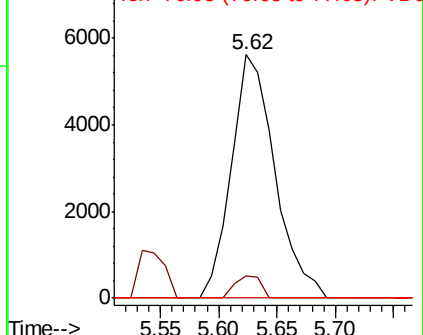
77 0.0 23.9 35.9#

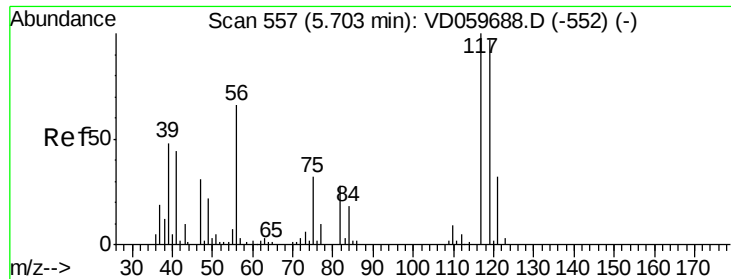


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

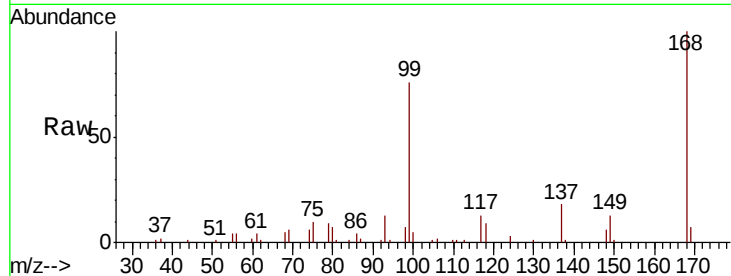




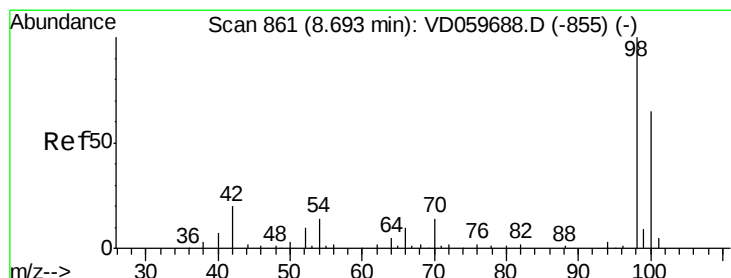
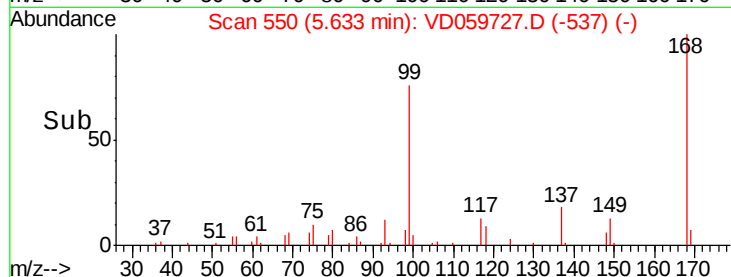
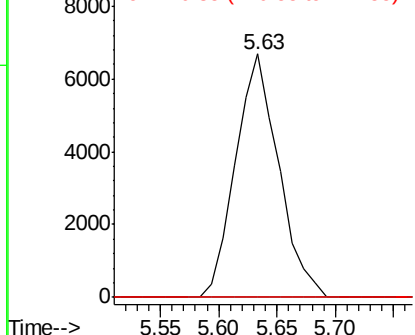
#38
Carbon Tetrachloride
Concen: 7.019 ug/l
RT: 5.63 min Scan# 550
Delta R.T. -0.07 min
Lab File: VD059727.D
Acq: 9 Aug 2018 20:42

Instrument :
MSVOA_D
ClientSampleId :
S-2B

Tgt Ion:117 Resp: 17072
Ion Ratio Lower Upper
117 100
119 0.0 75.3 112.9#
121 0.0 24.4 36.6#

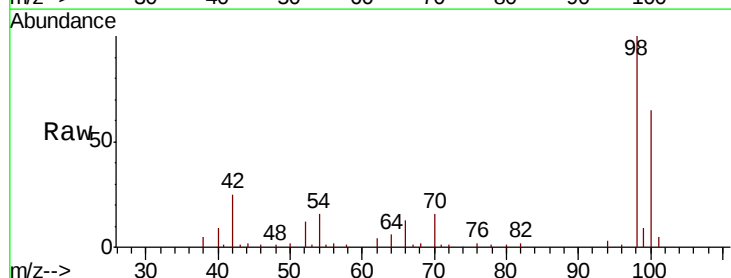


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

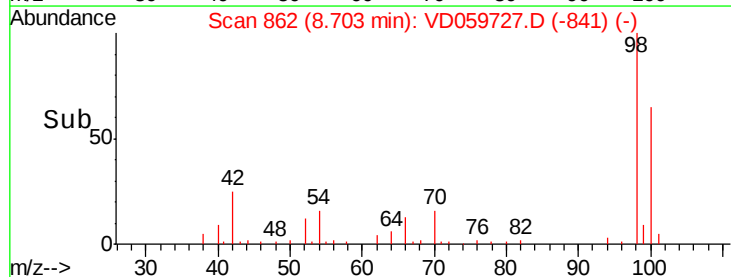
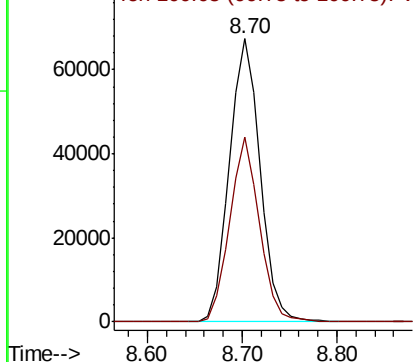


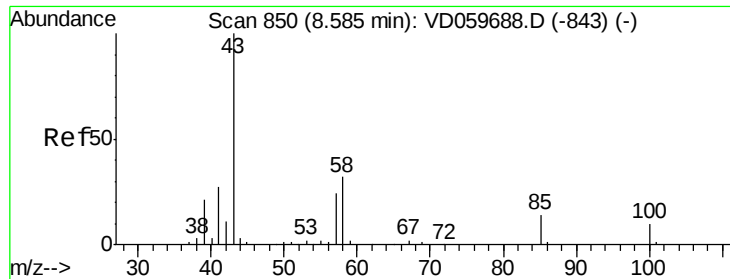
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.70 min Scan# 862
Delta R.T. 0.01 min
Lab File: VD059727.D
Acq: 9 Aug 2018 20:42

Tgt Ion: 98 Resp: 151162
Ion Ratio Lower Upper
98 100
100 65.1 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: 1.222 ug/l

RT: 8.70 min Scan# 862

Delta R.T. 0.12 min

Lab File: VD059727.D

Acq: 9 Aug 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

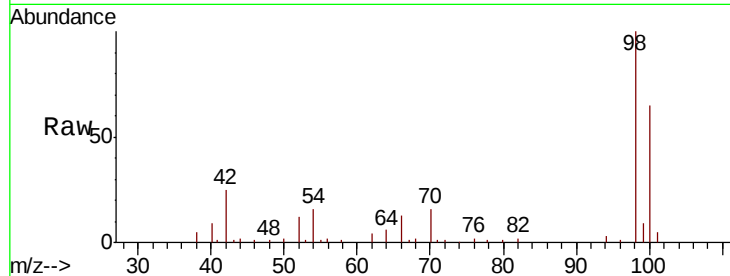
S-2B

Tgt Ion: 43 Resp: 1028

Ion Ratio Lower Upper

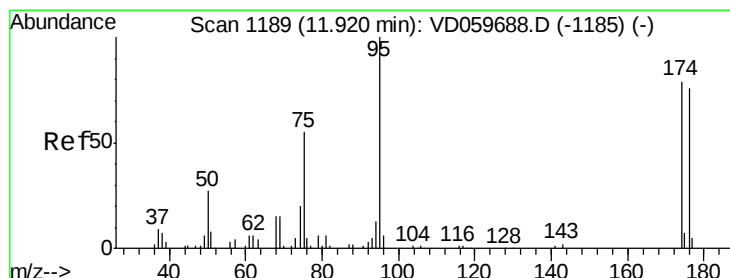
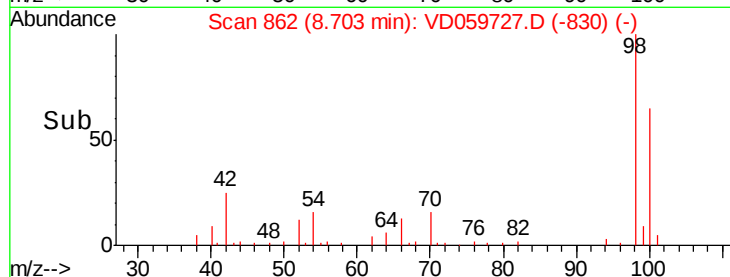
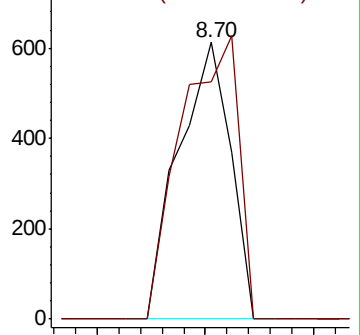
43 100

58 85.8 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: VD059727.D

Acq: 9 Aug 2018 20:42

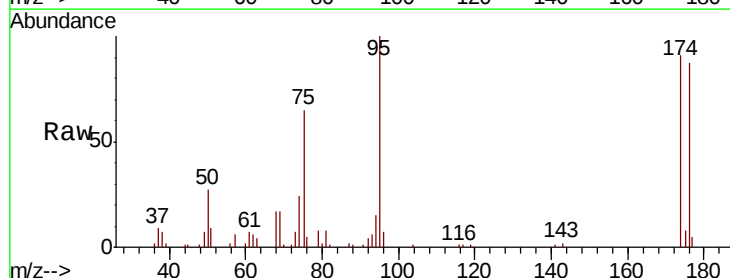
Tgt Ion: 95 Resp: 77476

Ion Ratio Lower Upper

95 100

174 91.4 0.0 158.4

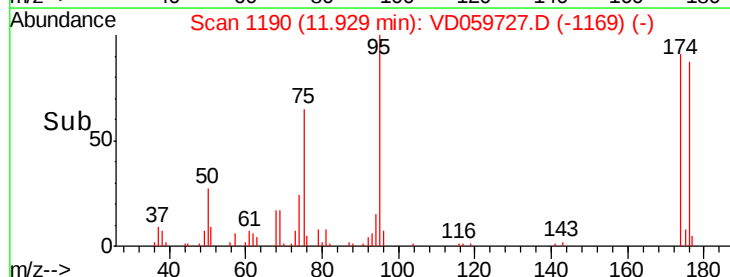
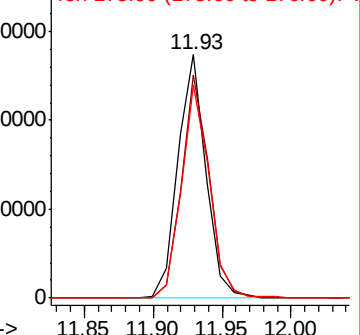
176 87.3 0.0 153.0

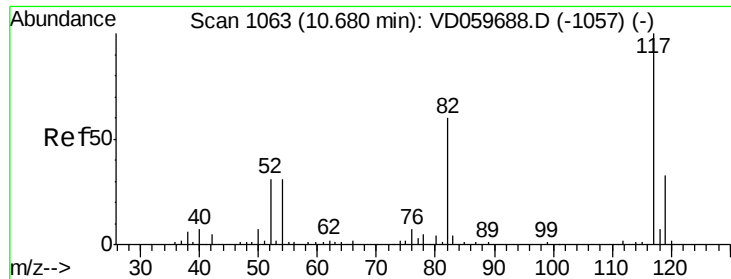


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

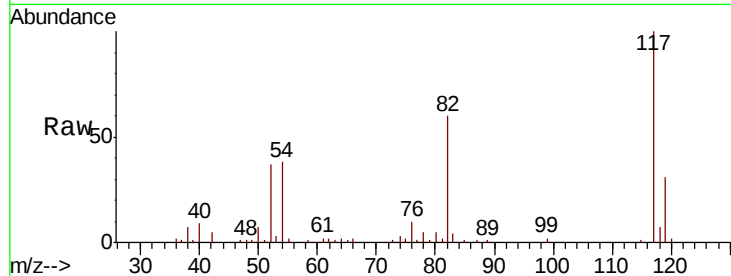




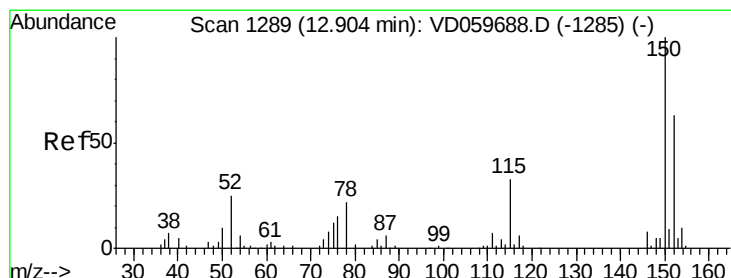
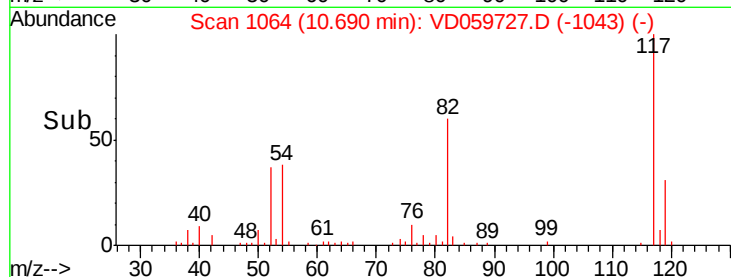
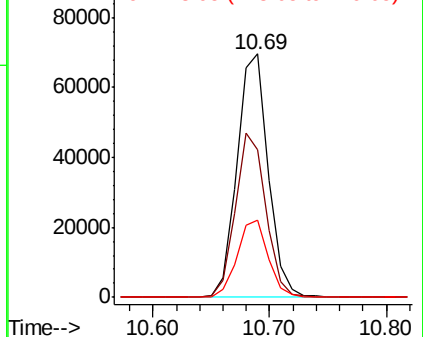
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VD059727.D
Acq: 9 Aug 2018 20:42

Instrument :
MSVOA_D
ClientSampleId :
S-2B

Tgt Ion:117 Resp: 128458
Ion Ratio Lower Upper
117 100
82 60.5 47.7 71.5
119 31.5 26.6 40.0

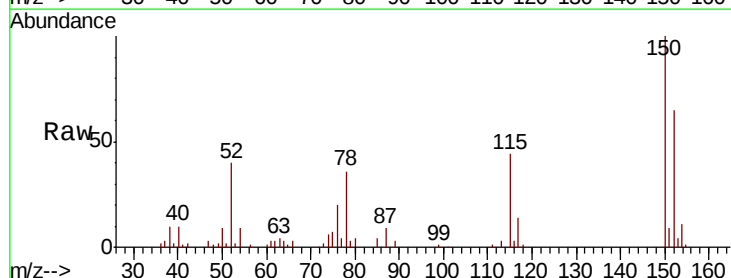


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

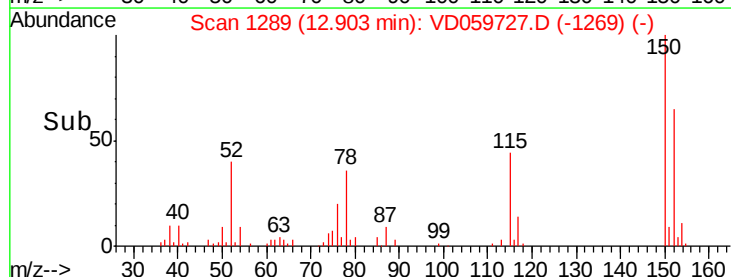
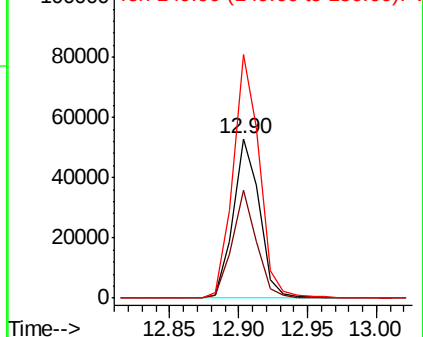


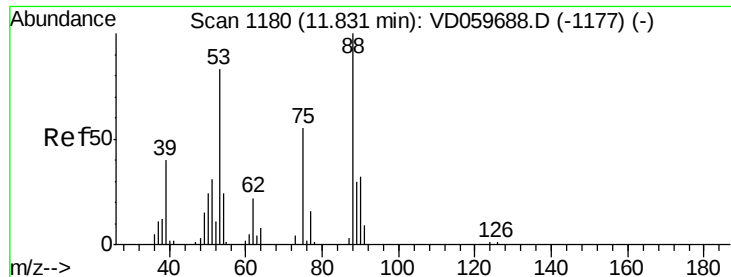
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.90 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VD059727.D
Acq: 9 Aug 2018 20:42

Tgt Ion:152 Resp: 69958
Ion Ratio Lower Upper
152 100
115 67.4 28.8 86.4
150 152.8 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: 187.649 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD059727.D

Acq: 9 Aug 2018 20:42

Instrument :

MSVOA_D

ClientSampleId :

S-2B

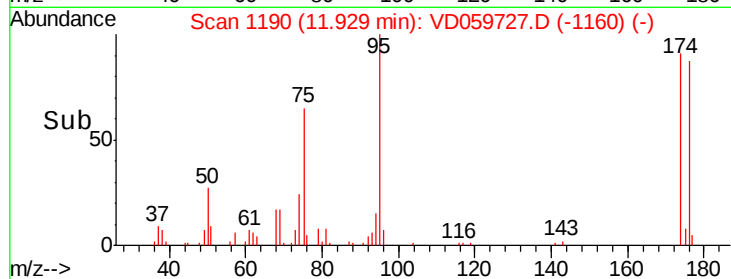
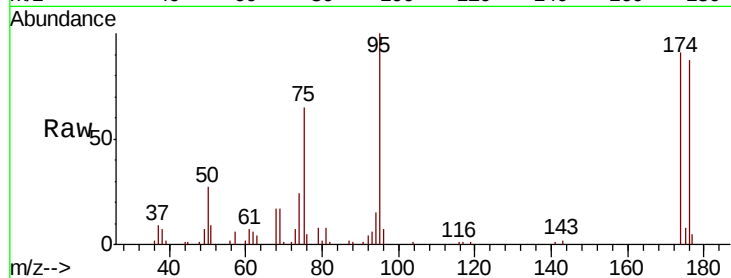
Tgt Ion: 75 Resp: 49526

Ion Ratio Lower Upper

75 100

53 0.0 120.5 180.7#

89 0.0 44.4 66.6#



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

