

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059584.D
 Acq On : 25 Jul 2018 12:31
 Operator : VA/AP
 Sample : VD0725SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBL01

Quant Time: Jul 26 04:26:48 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	153826	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.68	114	194869	50.00	ug/l	0.01
63) Chlorobenzene-d5	10.68	117	153443	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	86734	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	97263	50.29	ug/l	0.01
Spiked Amount 50.000			Recovery	=	100.58%	
35) Dibromofluoromethane	5.52	113	91645	54.82	ug/l	0.01
Spiked Amount 50.000			Recovery	=	109.64%	
50) Toluene-d8	8.69	98	185172	48.83	ug/l	0.01
Spiked Amount 50.000			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	11.93	95	90056	52.72	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.44%	

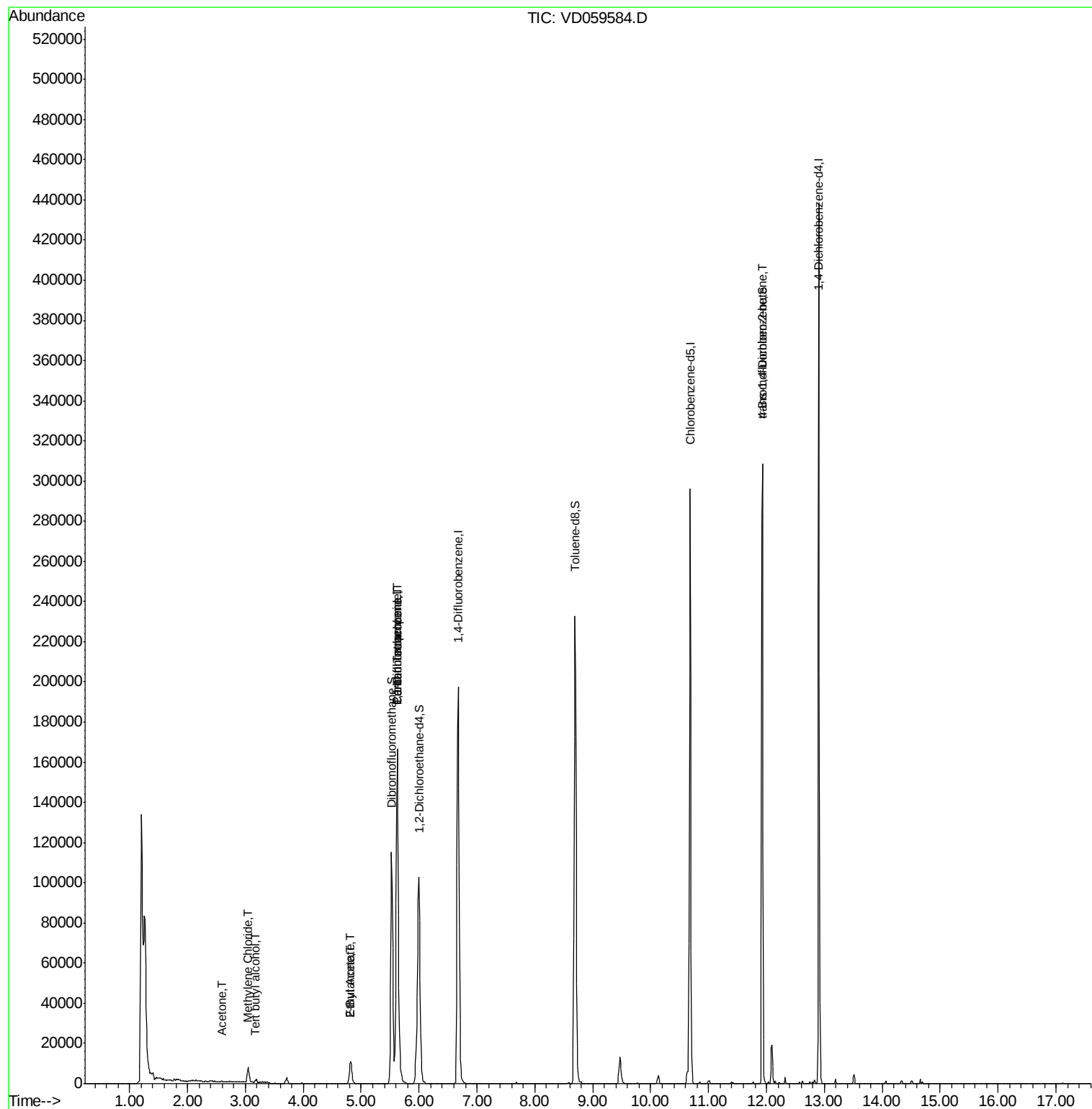
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.17	59	545	7.06	ug/l #	80
16) Acetone	2.59	43	986	3.38	ug/l #	61
20) Methylene Chloride	3.05	84	3369	4.05	ug/l #	76
25) 2-Butanone	4.82	43	1041	2.34	ug/l #	59
31) Cyclohexane	5.61	56	4386	Below Cal	#	17
36) 1,1-Dichloropropene	5.62	75	13520	6.91	ug/l #	49
37) Ethyl Acetate	4.82	43	1041	1.03	ug/l #	71
38) Carbon Tetrachloride	5.62	117	15376	5.74	ug/l #	14
81) trans-1,4-Dichloro-2-buten	11.93	75	48830	133.16	ug/l #	1

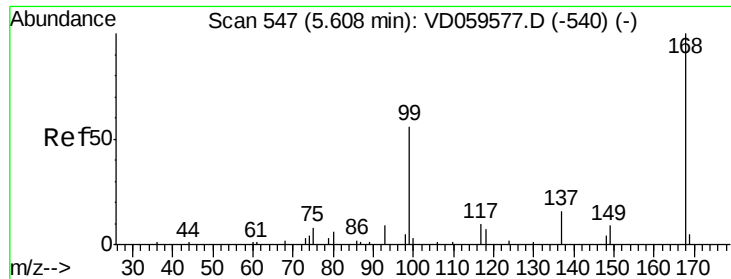
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072518\
Data File : VD059584.D
Acq On : 25 Jul 2018 12:31
Operator : VA/AP
Sample : VD0725SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBL01

Quant Time: Jul 26 04:26:48 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: VD059584.D

Acq: 25 Jul 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

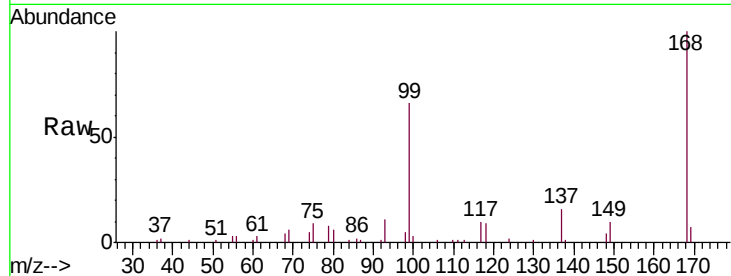
VD0725SBL01

Tot Ion:168 Resp: 153826

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

5.62

60000

50000

40000

30000

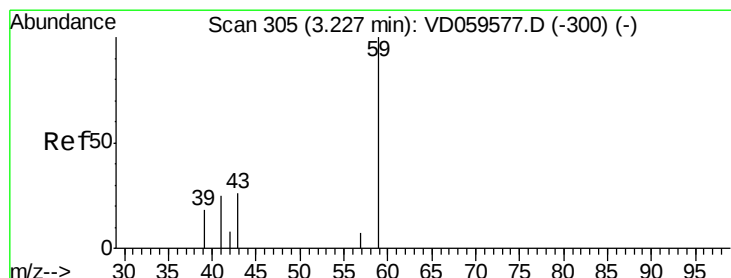
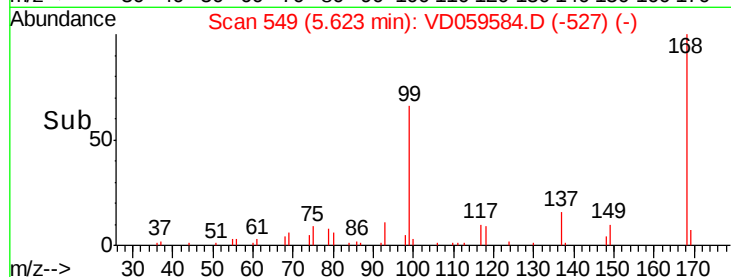
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 7.06 ug/l

RT: 3.17 min Scan# 300

Delta R.T. -0.05 min

Lab File: VD059584.D

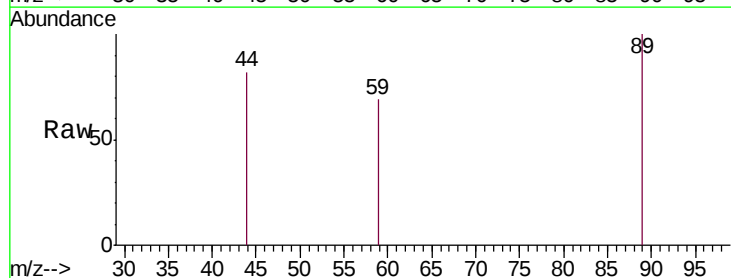
Acq: 25 Jul 2018 12:31

Tgt Ion: 59 Resp: 545

Ion Ratio Lower Upper

59 100

57 0.0 5.5 8.3#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

3.17

500

400

300

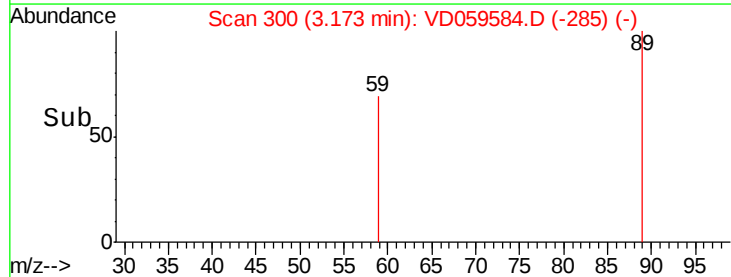
200

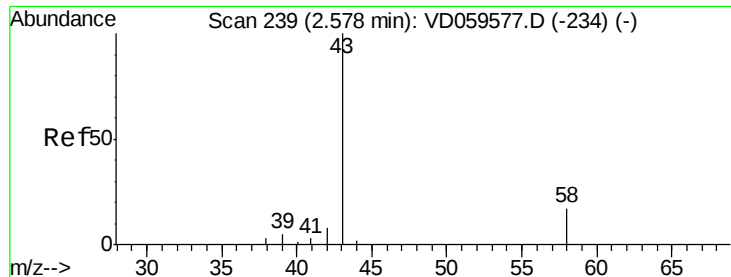
100

0

Time-->

3.12 3.14 3.16 3.18 3.20





#16

Acetone

Concen: 3.38 ug/l

RT: 2.59 min Scan# 241

Delta R.T. 0.01 min

Lab File: VD059584.D

Acq: 25 Jul 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

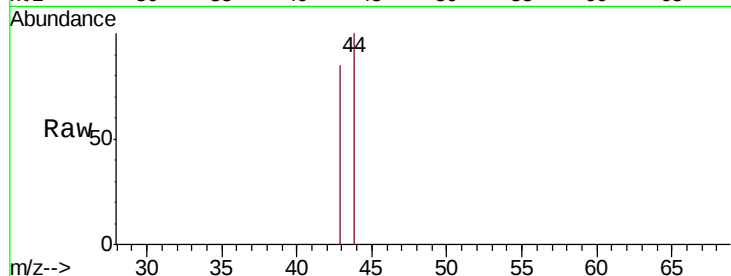
VD0725SBL01

Tot Ion: 43 Resp: 986

Ion Ratio Lower Upper

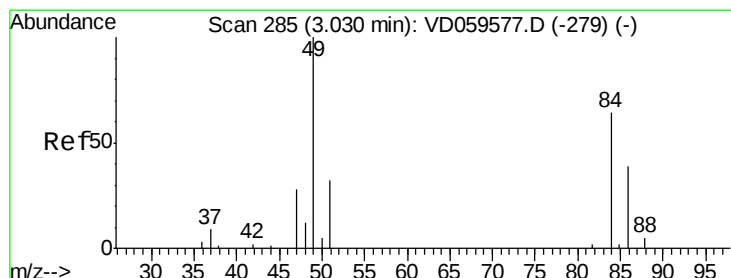
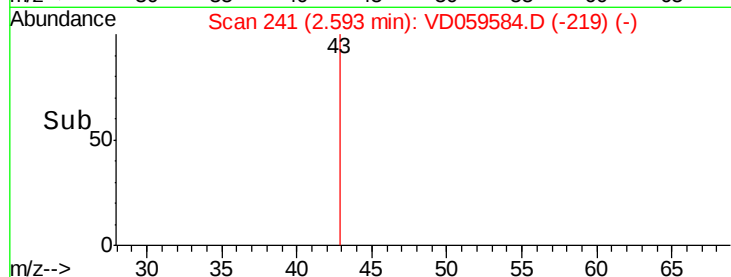
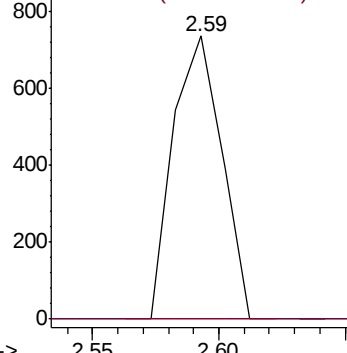
43 100

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

Methylene Chloride

Concen: 4.05 ug/l

RT: 3.05 min Scan# 287

Delta R.T. 0.01 min

Lab File: VD059584.D

Acq: 25 Jul 2018 12:31

Tgt Ion: 84 Resp: 3369

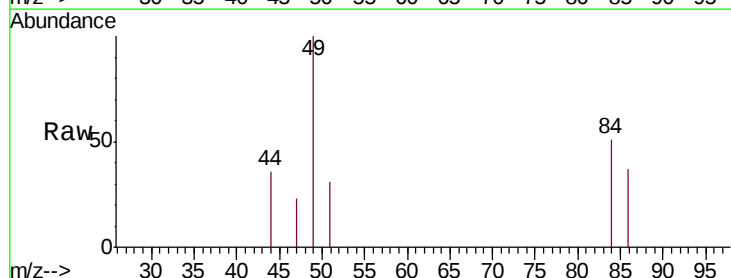
Ion Ratio Lower Upper

84 100

49 196.6 125.4 188.2#

51 61.5 39.7 59.5#

86 72.3 49.1 73.7

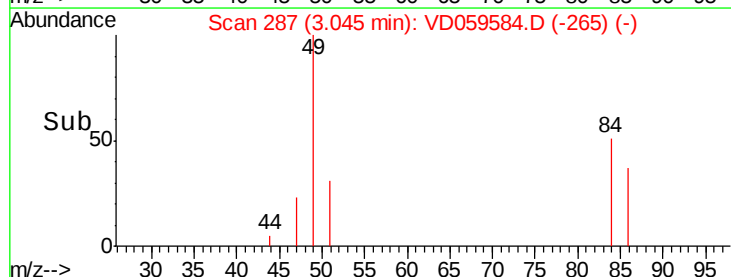
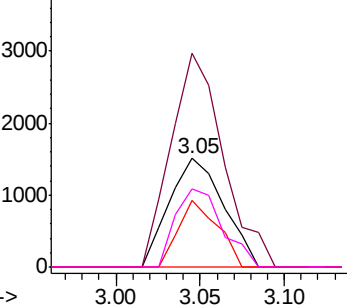


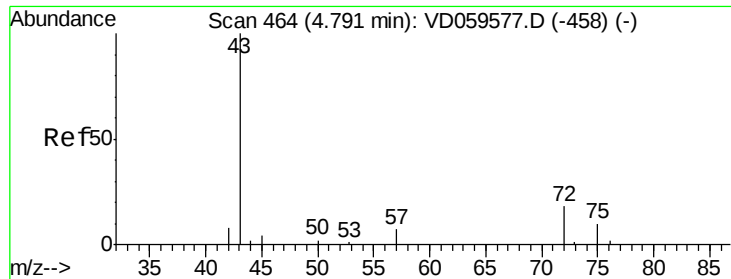
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 2.34 ug/l

RT: 4.82 min Scan# 467

Delta R.T. 0.02 min

Lab File: VD059584.D

Acq: 25 Jul 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

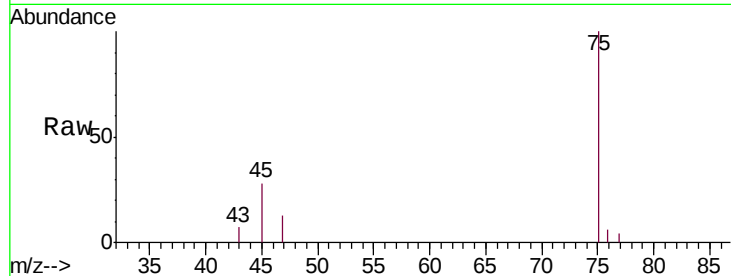
VD0725SBL01

Tot Ion: 43 Resp: 1041

Ion Ratio Lower Upper

43 100

72 0.0 14.7 22.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

4.82

500

400

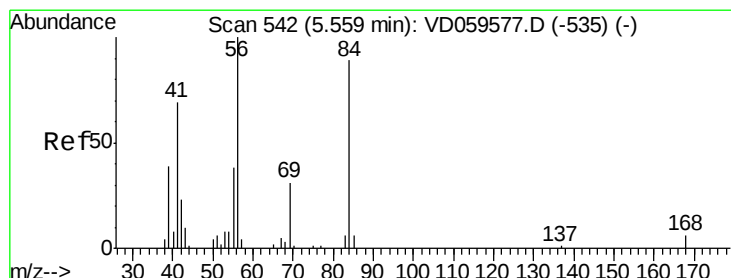
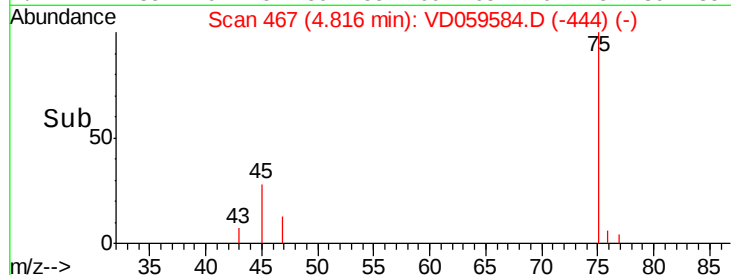
300

200

100

0

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 5.61 min Scan# 548

Delta R.T. 0.05 min

Lab File: VD059584.D

Acq: 25 Jul 2018 12:31

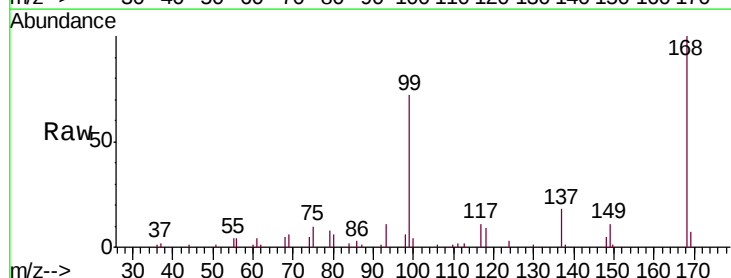
Tgt Ion: 56 Resp: 4386

Ion Ratio Lower Upper

56 100

69 141.3 24.6 37.0#

84 50.0 72.7 109.1#



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

4000

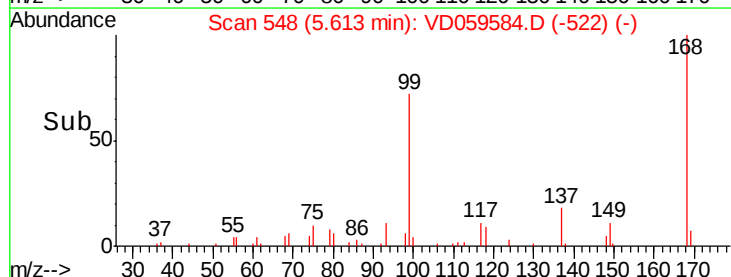
3000

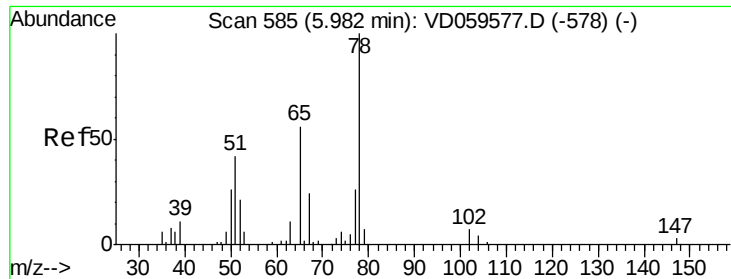
2000

1000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD059584.D

Acq: 25 Jul 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

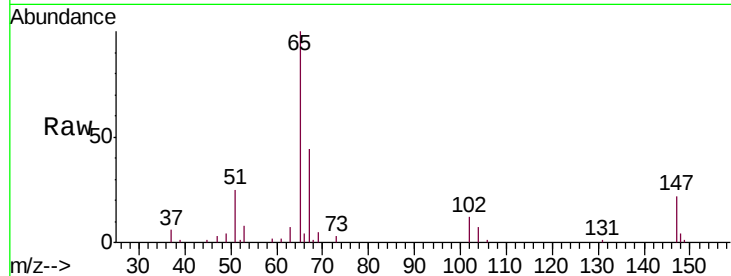
VD0725SBL01

Tot Ion: 65 Resp: 97263

Ion Ratio Lower Upper

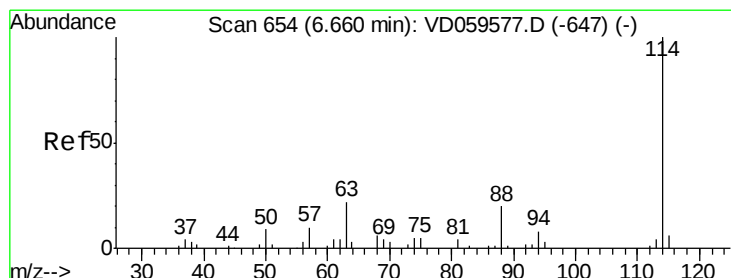
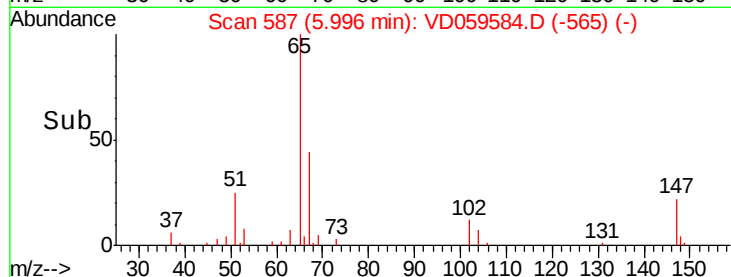
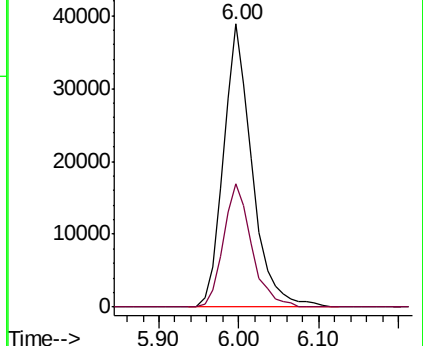
65 100

67 43.8 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.68 min Scan# 656

Delta R.T. 0.01 min

Lab File: VD059584.D

Acq: 25 Jul 2018 12:31

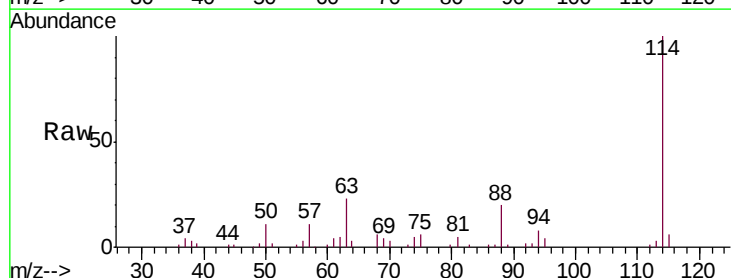
Tgt Ion: 114 Resp: 194869

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

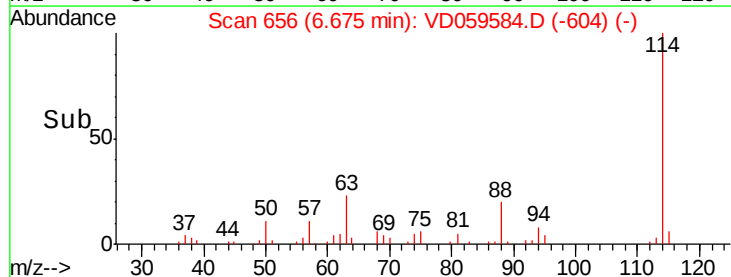
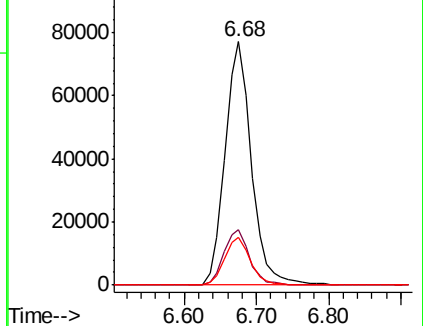
88 19.8 0.0 39.0

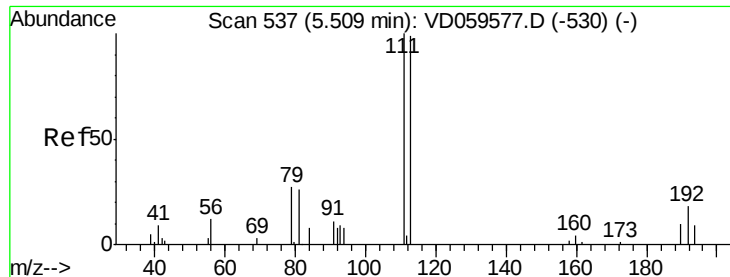


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

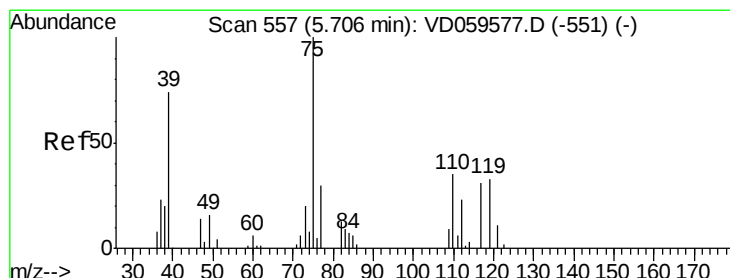
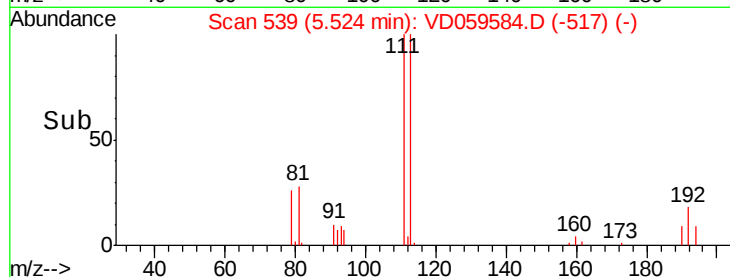
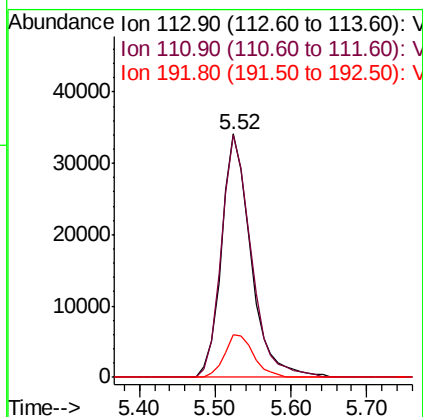
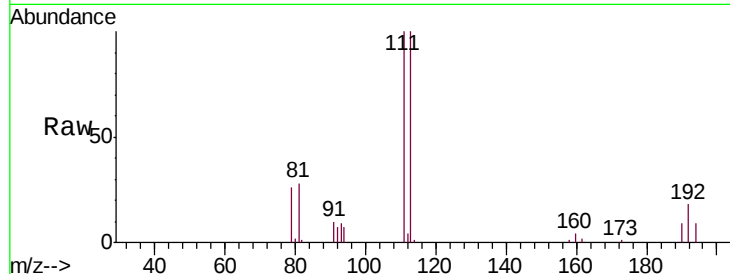




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.52 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VD059584.D
 Acq: 25 Jul 2018 12:31

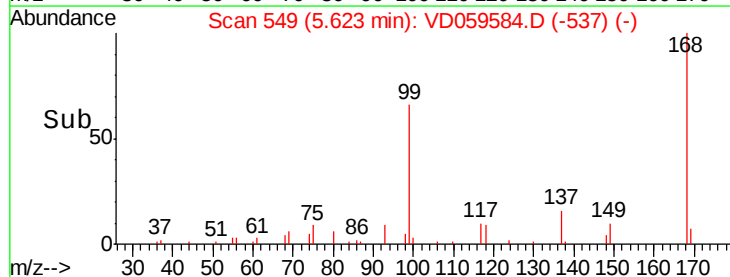
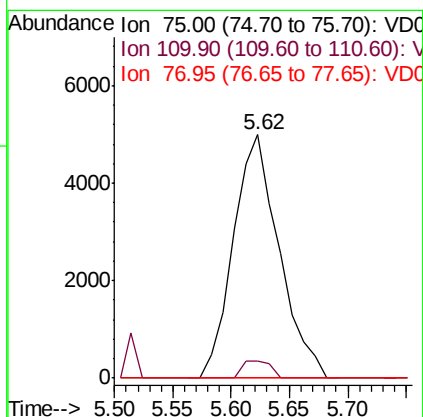
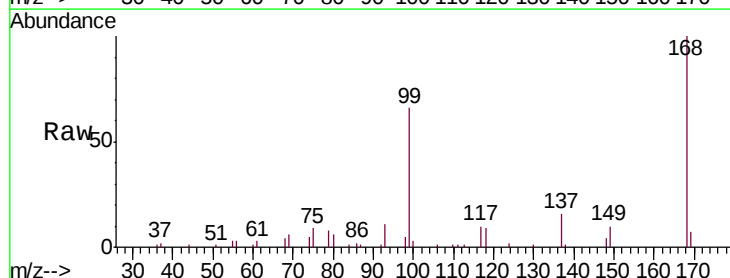
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0725SBL01

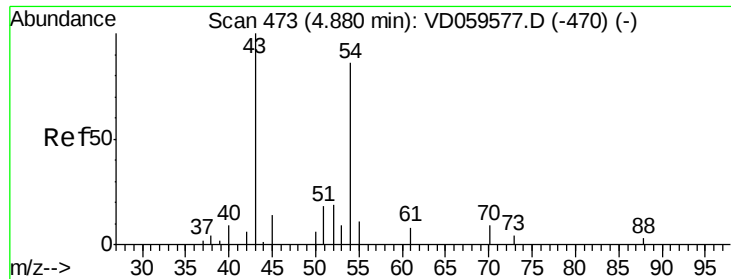
Tot Ion:113 Resp: 91645
 Ion Ratio Lower Upper
 113 100
 111 99.8 80.5 120.7
 192 17.5 14.5 21.7



#36
 1,1-Dichloropropene
 Concen: 6.91 ug/l
 RT: 5.62 min Scan# 549
 Delta R.T. -0.08 min
 Lab File: VD059584.D
 Acq: 25 Jul 2018 12:31

Tgt Ion: 75 Resp: 13520
 Ion Ratio Lower Upper
 75 100
 110 7.0 17.0 50.9#
 77 0.0 23.6 35.4#





#37

Ethyl Acetate

Concen: 1.03 ug/l

RT: 4.82 min Scan# 467

Delta R.T. -0.06 min

Lab File: VD059584.D

Acq: 25 Jul 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBL01

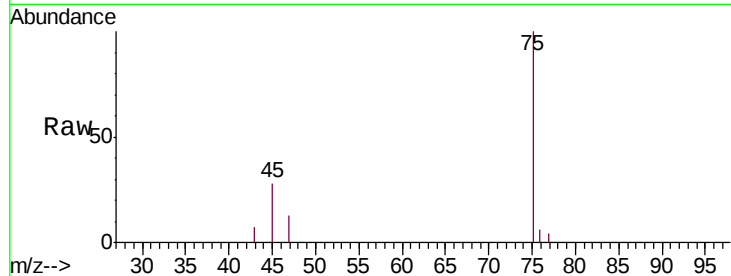
Tot Ion: 43 Resp: 1041

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

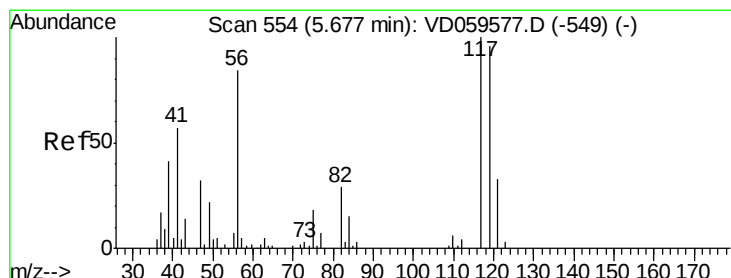
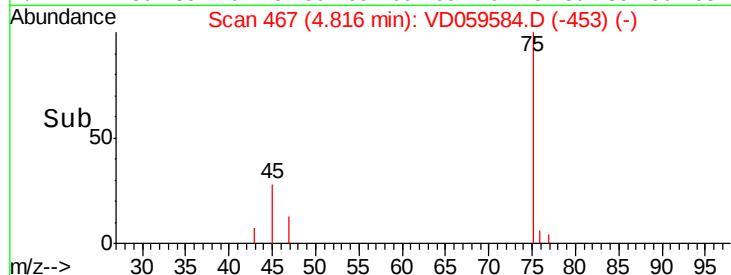
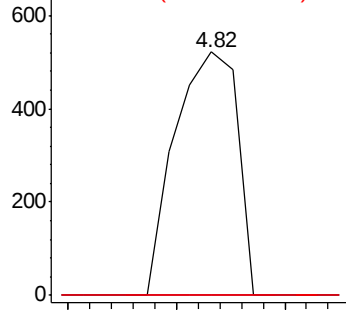
70 0.0 5.4 8.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 5.74 ug/l

RT: 5.62 min Scan# 549

Delta R.T. -0.05 min

Lab File: VD059584.D

Acq: 25 Jul 2018 12:31

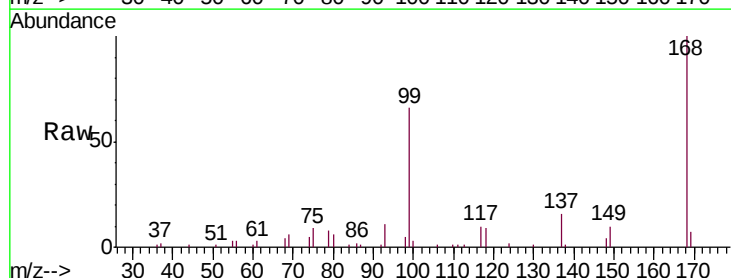
Tgt Ion: 117 Resp: 15376

Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

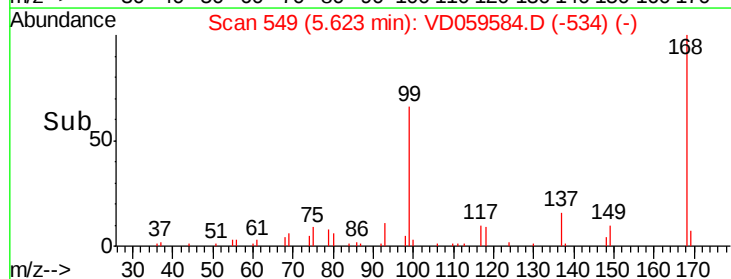
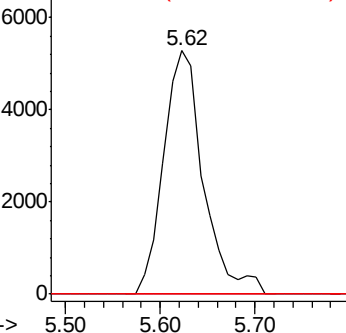
121 0.0 25.0 37.6#

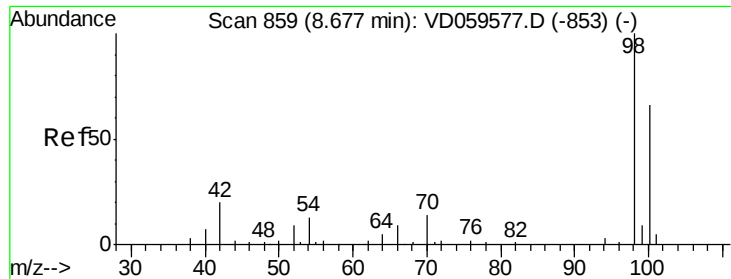


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

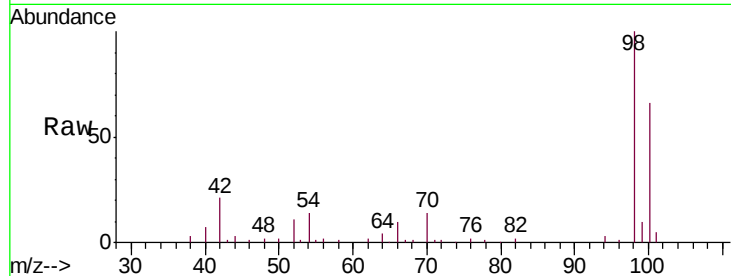




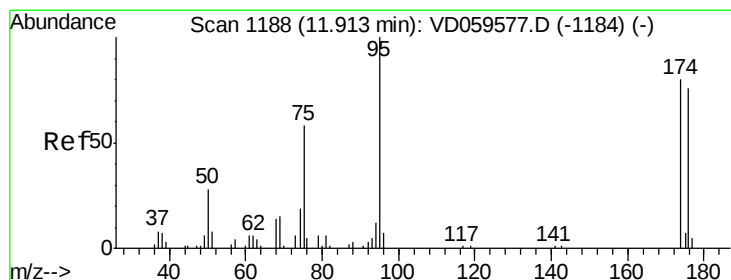
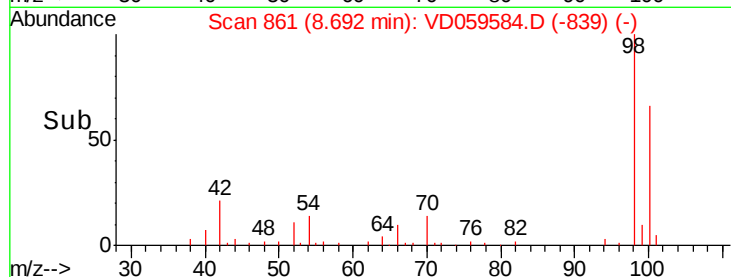
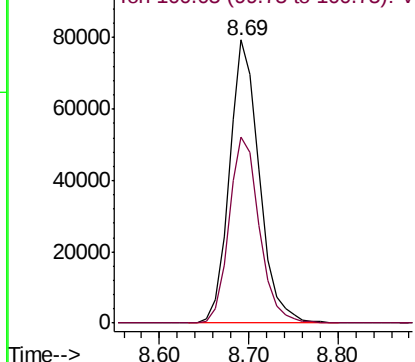
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 861
Delta R.T. 0.01 min
Lab File: VD059584.D
Acq: 25 Jul 2018 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0725SBL01

Tot Ion: 98 Resp: 185172
Ion Ratio Lower Upper
98 100
100 65.6 53.2 79.8

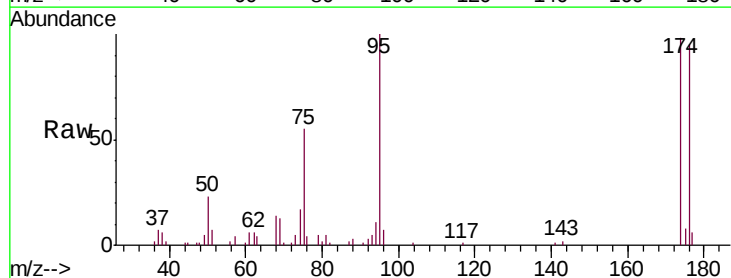


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

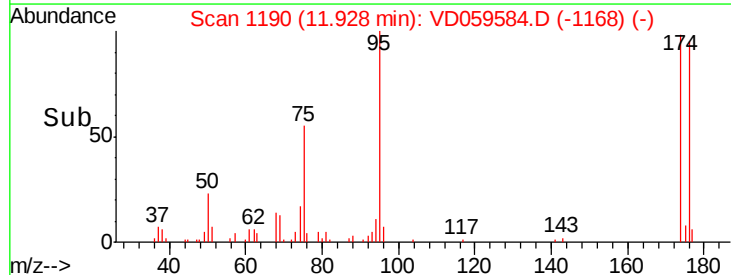
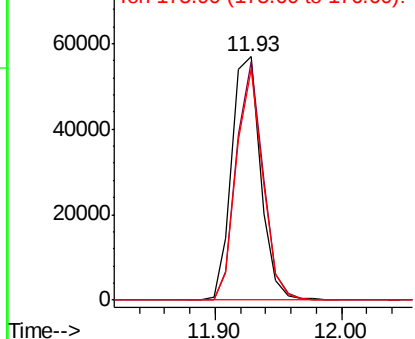


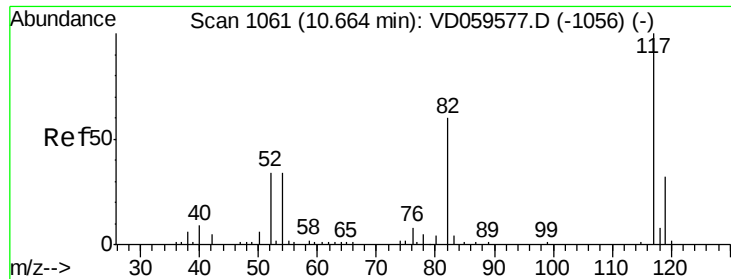
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD059584.D
Acq: 25 Jul 2018 12:31

Tgt Ion: 95 Resp: 90056
Ion Ratio Lower Upper
95 100
174 98.0 0.0 160.6
176 94.7 0.0 152.8



Abundance Ion 95.00 (94.70 to 95.70): VD0
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: VD059584.D

Acq: 25 Jul 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBL01

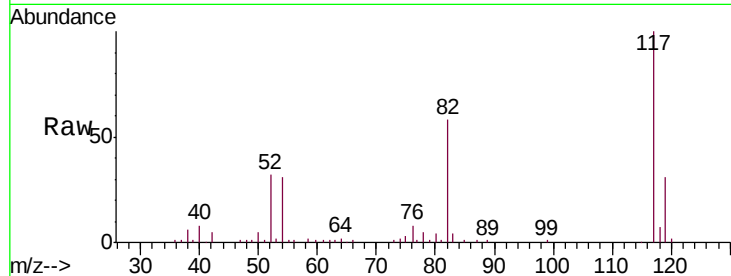
Tot Ion:117 Resp: 153443

Ion Ratio Lower Upper

117 100

82 57.8 48.2 72.2

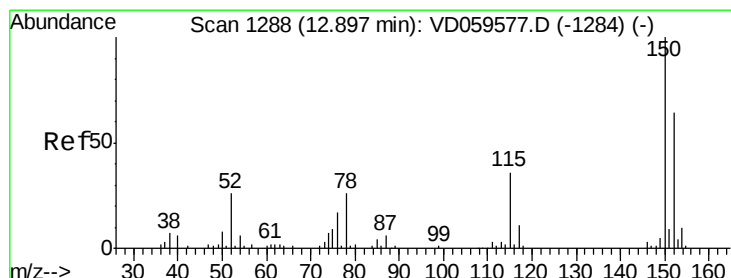
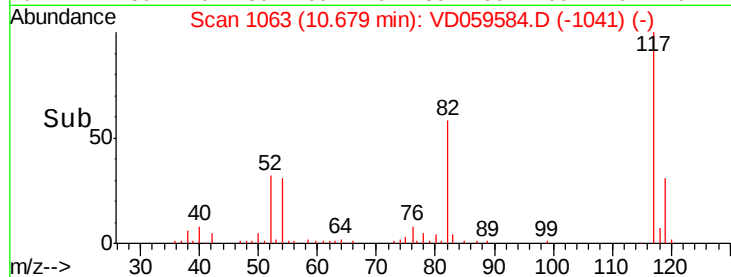
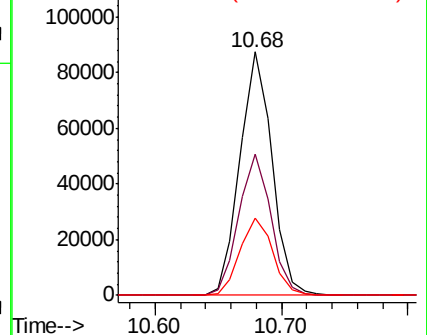
119 31.5 25.4 38.2



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: 50.00 ug/l

RT: 12.90 min Scan# 1289

Delta R.T. 0.01 min

Lab File: VD059584.D

Acq: 25 Jul 2018 12:31

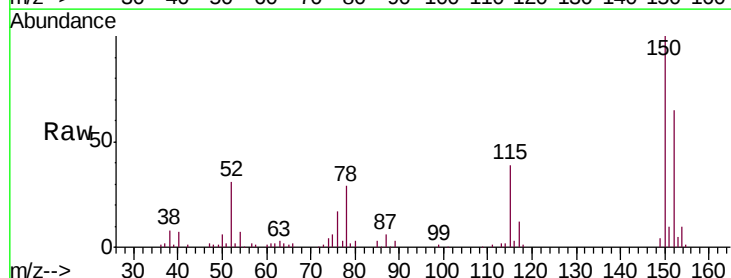
Tgt Ion:152 Resp: 86734

Ion Ratio Lower Upper

152 100

115 59.7 29.5 88.6

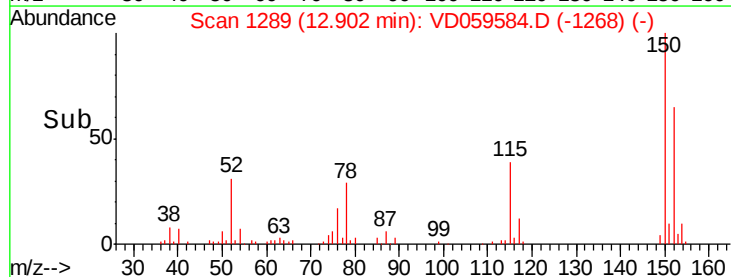
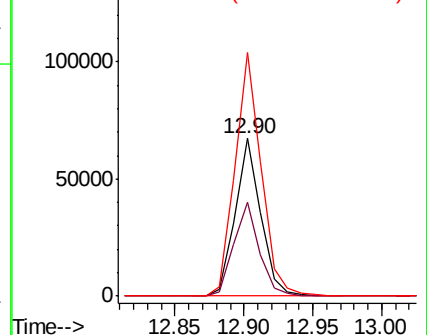
150 154.3 0.0 314.4

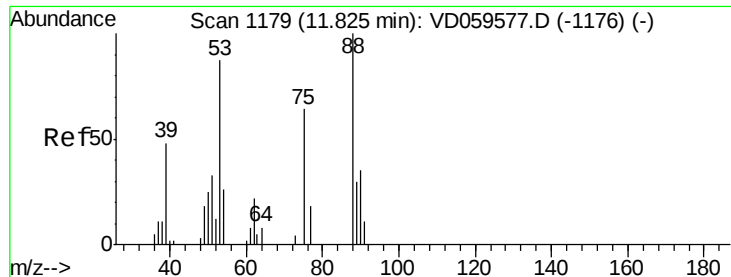


Abundance Ion 151.90 (151.60 to 152.60): V

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: 133.16 ug/l

RT: 11.93 min Scan# 1190

Delta R.T. 0.10 min

Lab File: VD059584.D

Acq: 25 Jul 2018 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0725SBL01

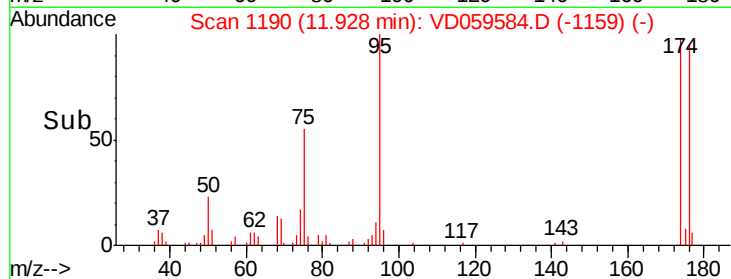
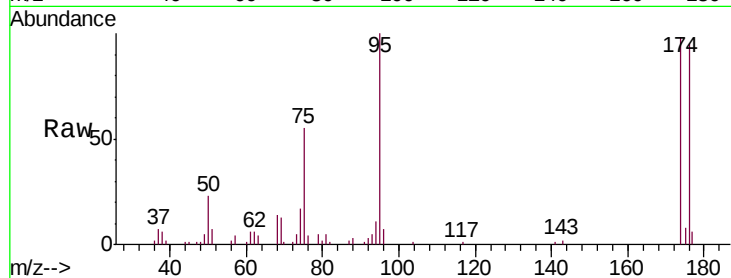
Tot Ion: 75 Resp: 48830

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

