

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072518\
 Data File : VD059597.D
 Acq On : 25 Jul 2018 18:59
 Operator : VA/AP
 Sample : J4026-05RE
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716

Quant Time: Jul 26 04:29:53 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	123324	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.66	114	154131	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.68	117	122517	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.90	152	66319	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	82536	53.24	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	106.48%	
35) Dibromofluoromethane	5.52	113	76399	57.78	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	115.56%	
50) Toluene-d8	8.69	98	156986	52.34	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.93	95	67759	50.16	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	100.32%	

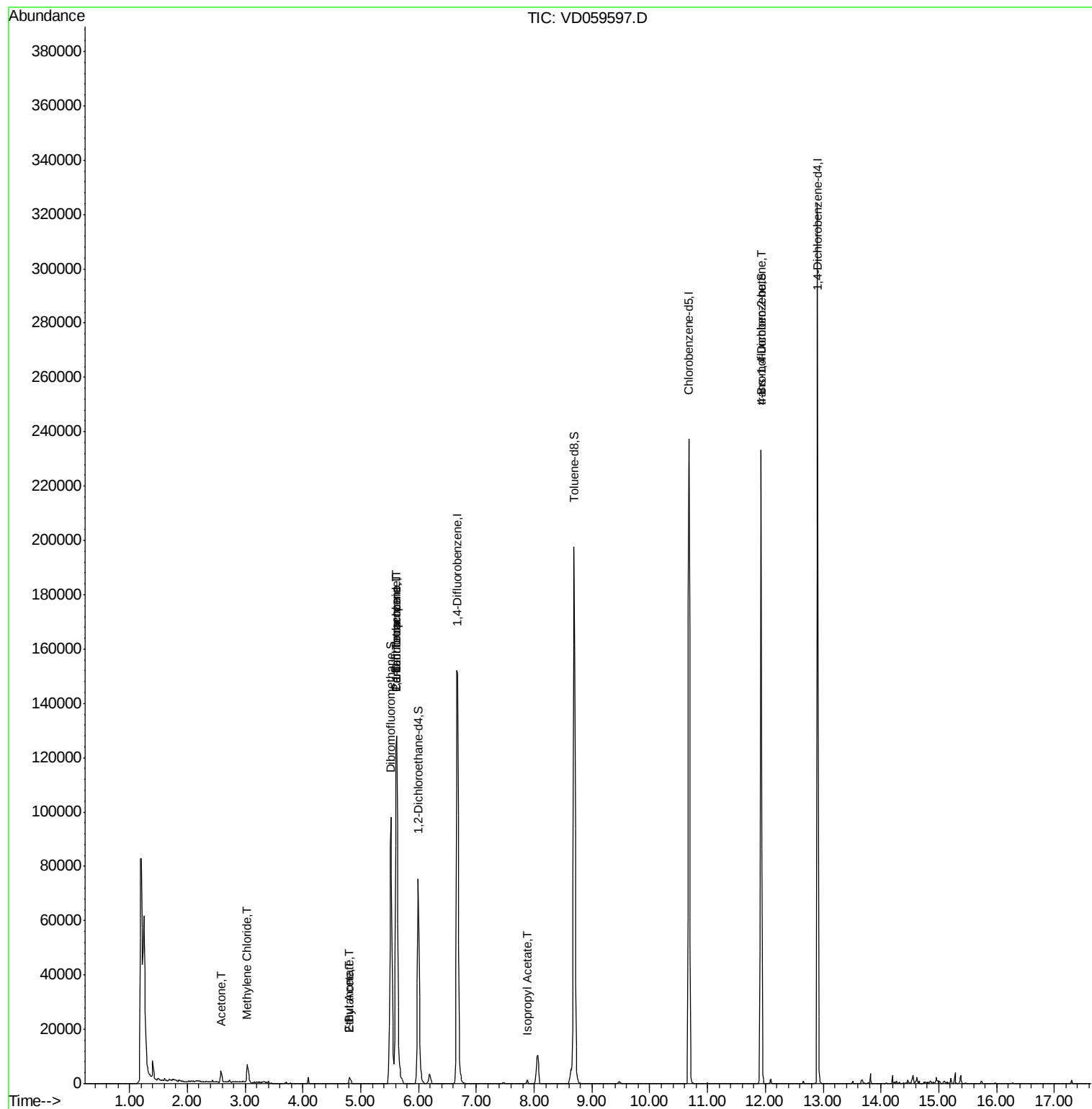
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.58	43	6301	26.91	ug/l #	90
20) Methylene Chloride	3.04	84	3058	4.58	ug/l	91
25) 2-Butanone	4.81	43	1646	4.61	ug/l #	59
31) Cyclohexane	5.61	56	2744	Below Cal	#	1
36) 1,1-Dichloropropene	5.61	75	10519	6.80	ug/l #	52
37) Ethyl Acetate	4.81	43	1646	2.07	ug/l #	71
38) Carbon Tetrachloride	5.61	117	12595	5.95	ug/l #	14
43) Isopropyl Acetate	7.88	43	1120	1.02	ug/l #	47
81) trans-1,4-Dichloro-2-buten	11.92	75	37159	132.52	ug/l #	1

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

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Misc : 5.07µl/5ml/MSVOA D/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716

Quant Time: Jul 26 04:29:53 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: VD059597.D

Acq: 25 Jul 2018 18:59

Instrument :

MSVOA_D

ClientSampleId :

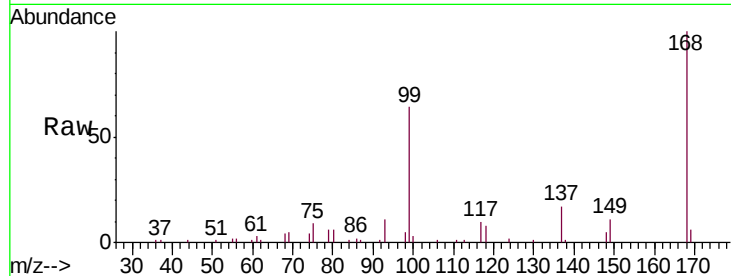
KY030LC006-S-180716

Tot Ion:168 Resp: 123324

Ion Ratio Lower Upper

168 100

99 64.5 47.3 70.9

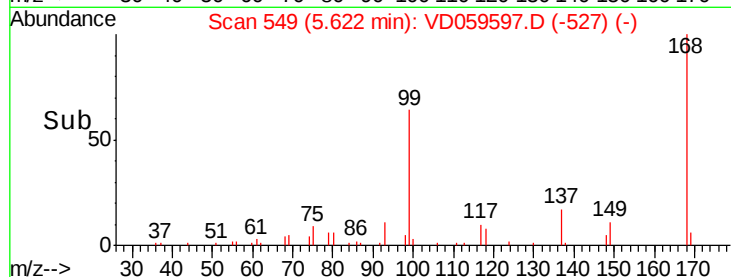


Abundance Ion 167.90 (167.60 to 168.60): V

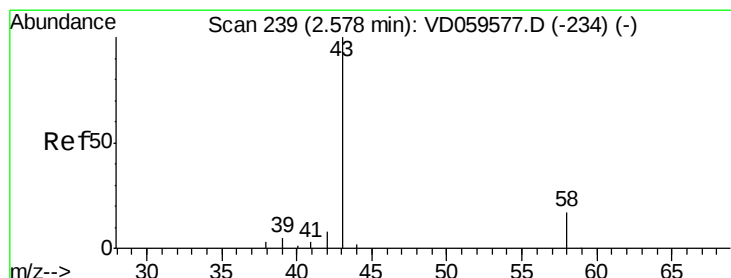
Ion 98.95 (98.65 to 99.65): VDC

5.62

Time-->



Time-->



#16

Acetone

Concen: 26.91 ug/l

RT: 2.58 min Scan# 240

Delta R.T. 0.00 min

Lab File: VD059597.D

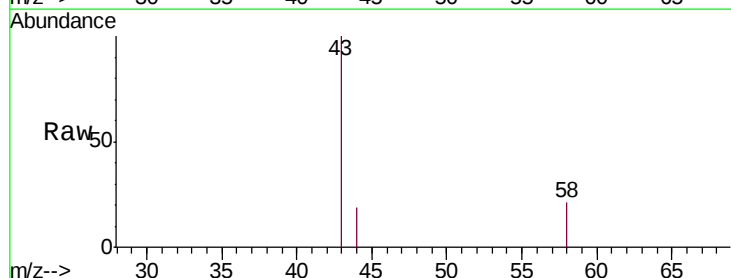
Acq: 25 Jul 2018 18:59

Tgt Ion: 43 Resp: 6301

Ion Ratio Lower Upper

43 100

58 21.1 13.4 20.0#

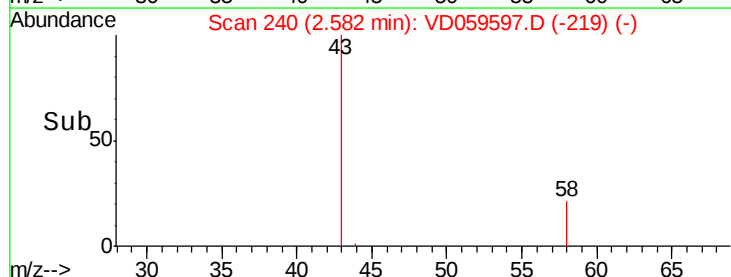


Abundance Ion 42.95 (42.65 to 43.65): VDC

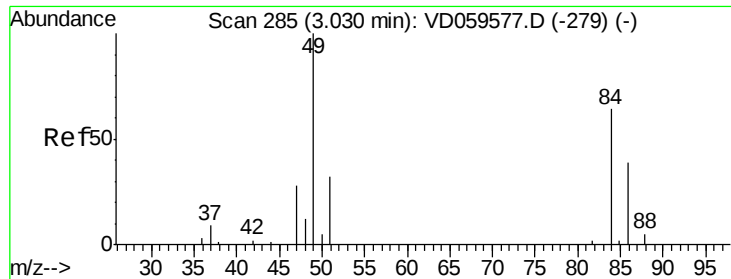
Ion 57.95 (57.65 to 58.65): VDC

2.58

Time-->



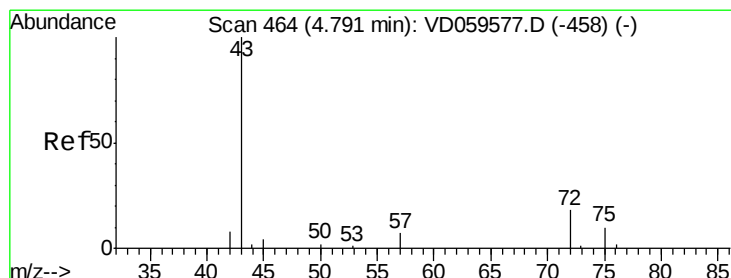
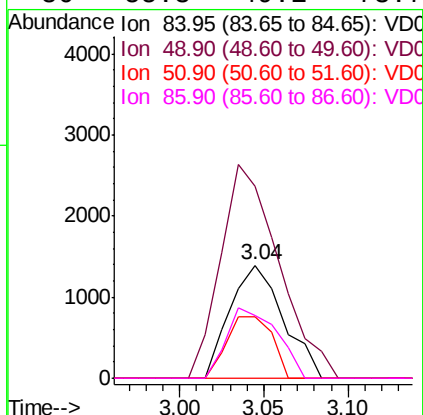
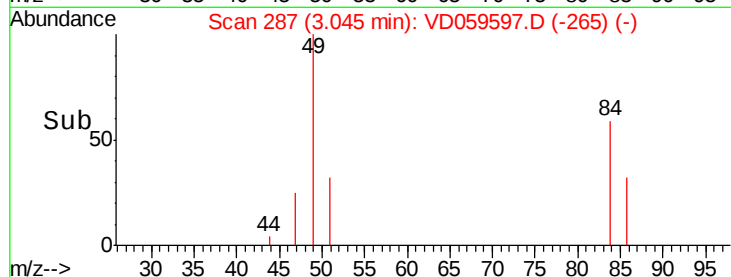
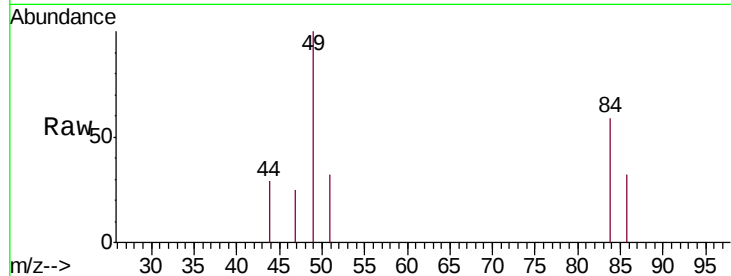
Time-->



#20
Methylene Chloride
Concen: 4.58 ug/l
RT: 3.04 min Scan# 287
Delta R.T. 0.01 min
Lab File: VD059597.D
Acq: 25 Jul 2018 18:59

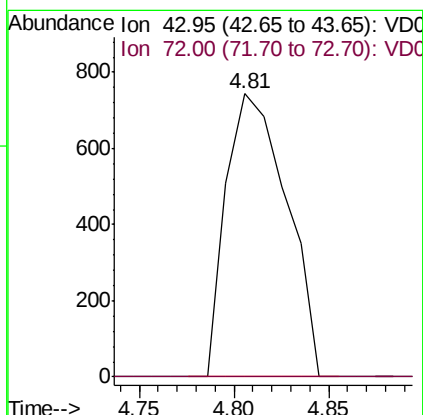
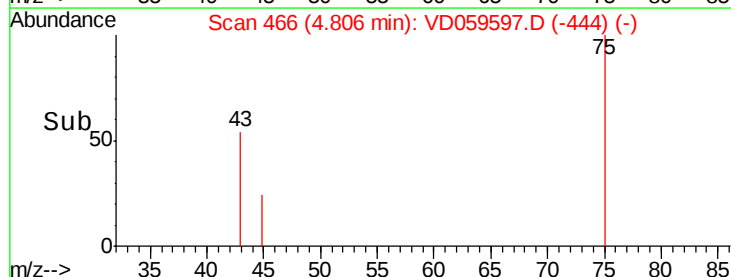
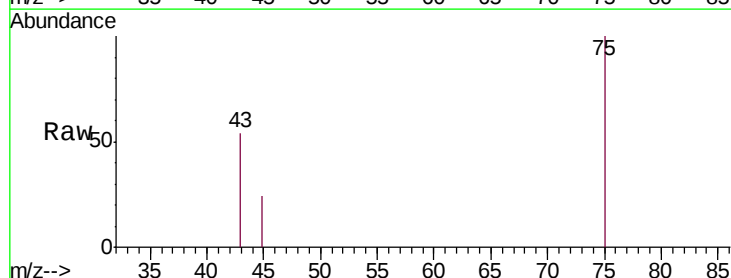
Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716

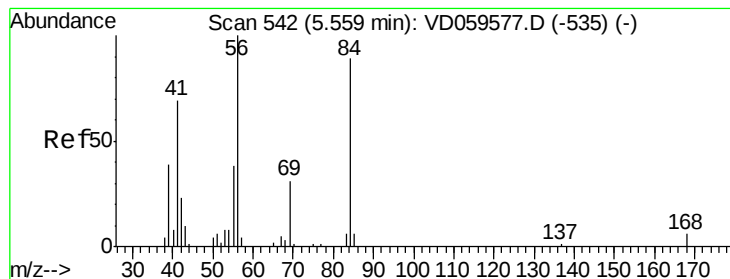
Tot Ion: 84 Resp: 3058
Ion Ratio Lower Upper
84 100
49 170.4 125.4 188.2
51 54.2 39.7 59.5
86 55.3 49.1 73.7



#25
2-Butanone
Concen: 4.61 ug/l
RT: 4.81 min Scan# 466
Delta R.T. 0.01 min
Lab File: VD059597.D
Acq: 25 Jul 2018 18:59

Tgt Ion: 43 Resp: 1646
Ion Ratio Lower Upper
43 100
72 0.0 14.7 22.1#





#31

Cyclohexane

Concen: Below Cal

RT: 5.61 min Scan# 548

Delta R.T. 0.05 min

Lab File: VD059597.D

Acq: 25 Jul 2018 18:59

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716

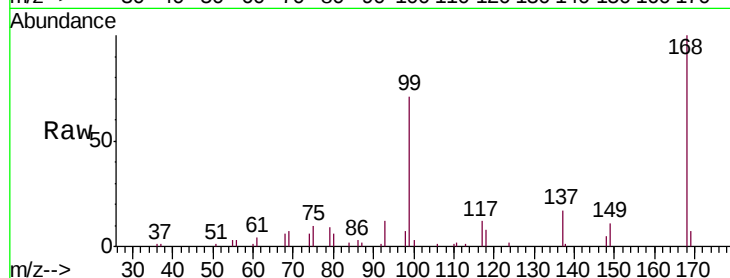
Tot Ion: 56 Resp: 2744

Ion Ratio Lower Upper

56 100

69 199.1 24.6 37.0#

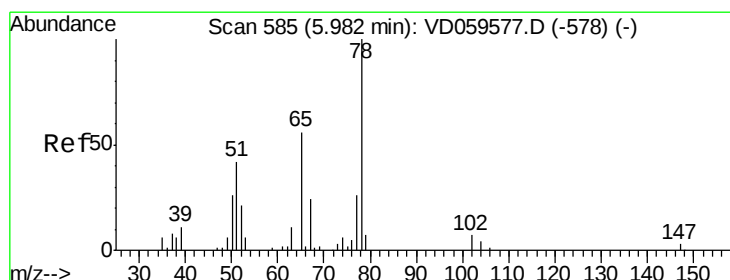
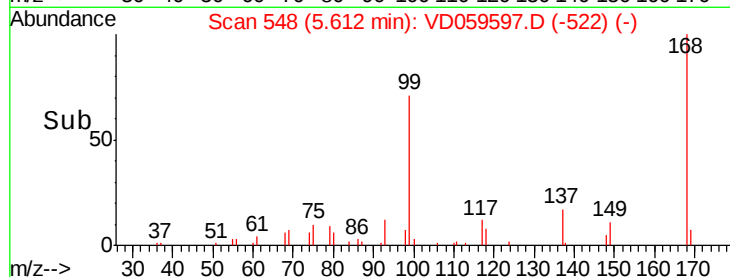
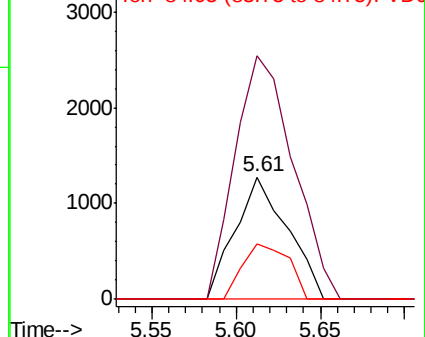
84 45.5 72.7 109.1#



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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD059597.D

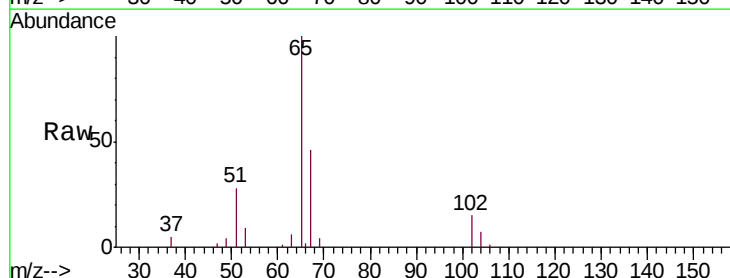
Acq: 25 Jul 2018 18:59

Tgt Ion: 65 Resp: 82536

Ion Ratio Lower Upper

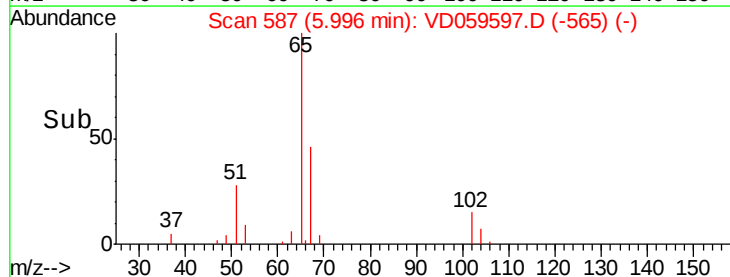
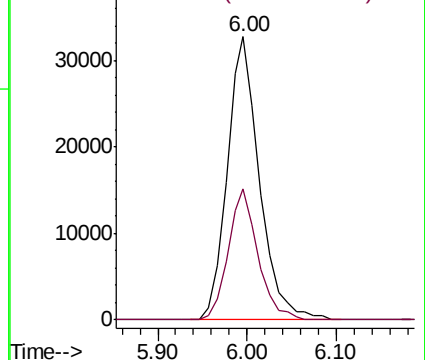
65 100

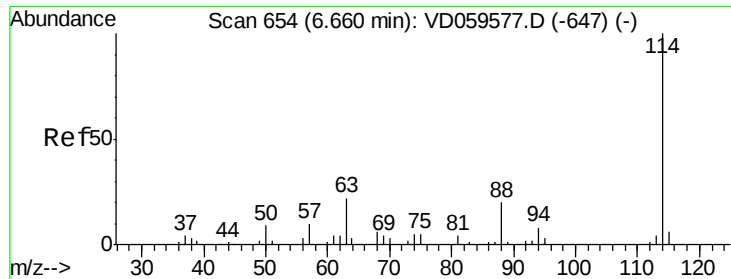
67 46.3 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

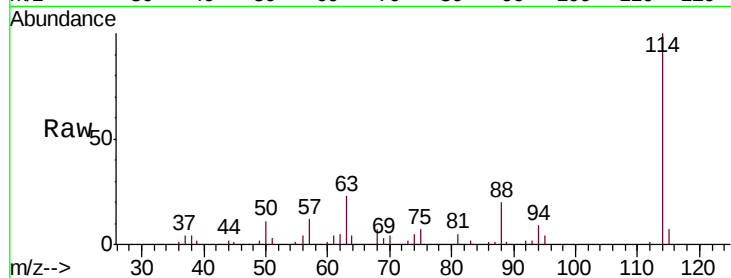




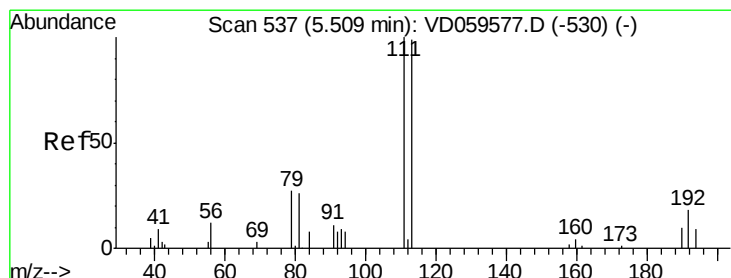
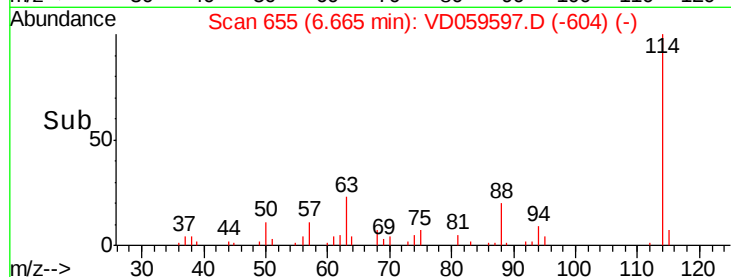
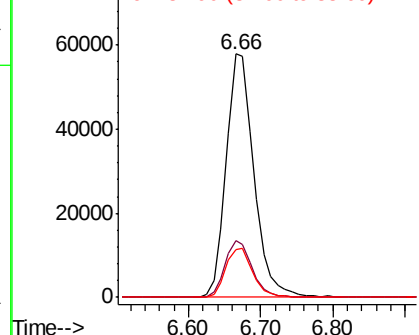
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.66 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VD059597.D
 Acq: 25 Jul 2018 18:59

Instrument :
 MSVOA_D
 ClientSampleId :
 KY030LC006-S-180716

Tot Ion:114 Resp: 154131
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 43.8
 88 19.8 0.0 39.0

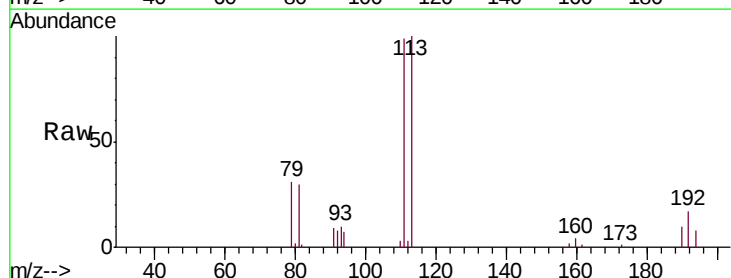


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

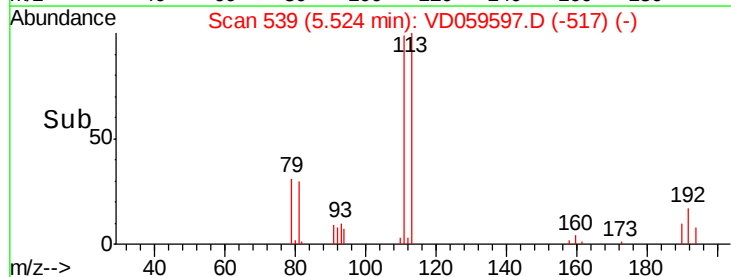
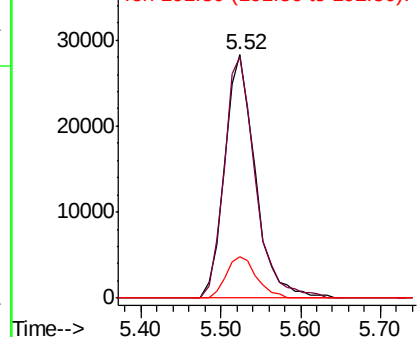


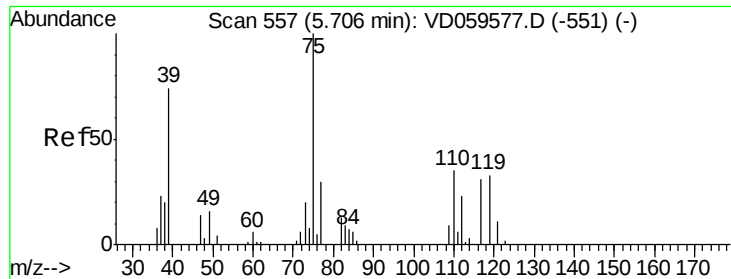
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.52 min Scan# 539
 Delta R.T. 0.01 min
 Lab File: VD059597.D
 Acq: 25 Jul 2018 18:59

Tgt Ion:113 Resp: 76399
 Ion Ratio Lower Upper
 113 100
 111 99.2 80.5 120.7
 192 17.0 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: 6.80 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.09 min

Lab File: VD059597.D

Acq: 25 Jul 2018 18:59

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716

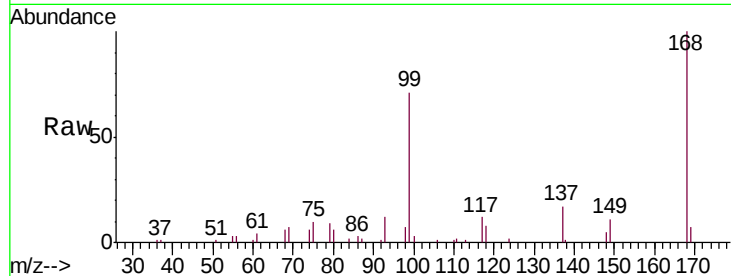
Tot Ion: 75 Resp: 10519

Ion Ratio Lower Upper

75 100

110 10.2 17.0 50.9#

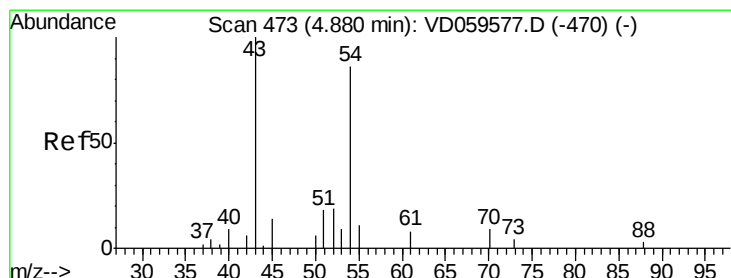
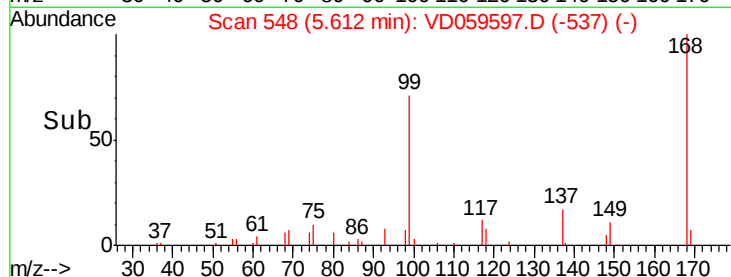
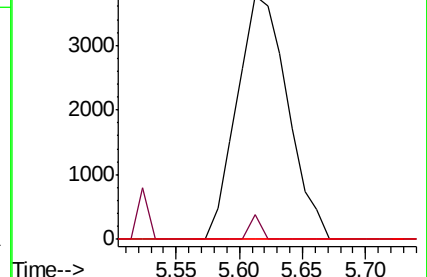
77 0.0 23.6 35.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 2.07 ug/l

RT: 4.81 min Scan# 466

Delta R.T. -0.07 min

Lab File: VD059597.D

Acq: 25 Jul 2018 18:59

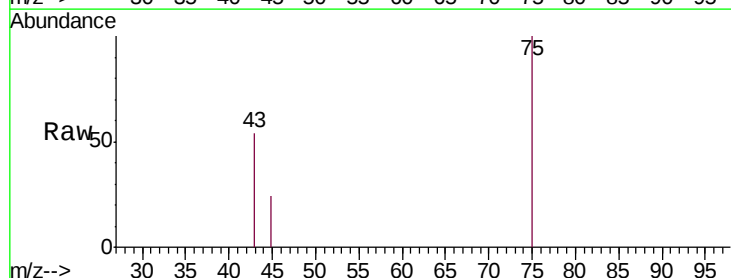
Tgt Ion: 43 Resp: 1646

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

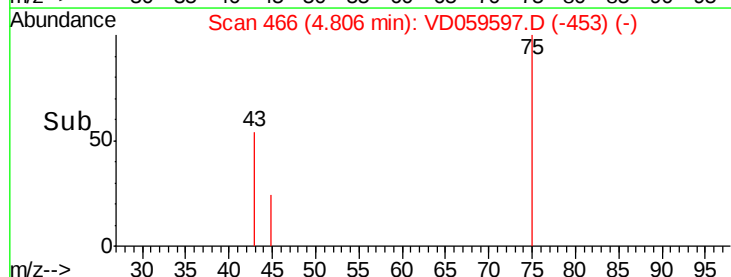
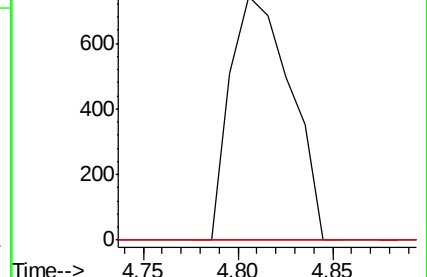
70 0.0 5.4 8.0#

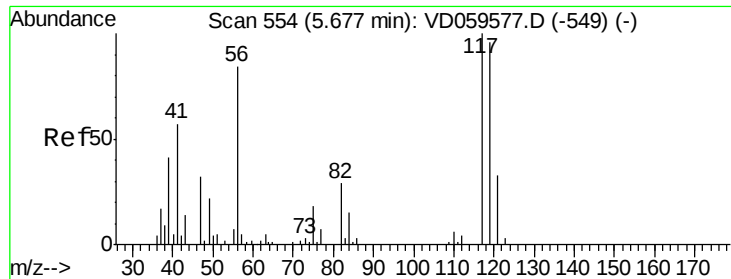


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.95 ug/l

RT: 5.61 min Scan# 548

Delta R.T. -0.06 min

Lab File: VD059597.D

Acq: 25 Jul 2018 18:59

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716

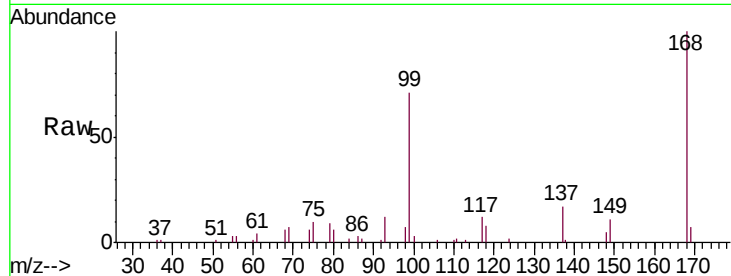
Tot Ion:117 Resp: 12595

Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

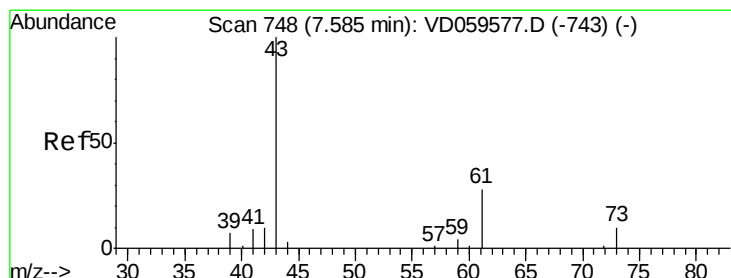
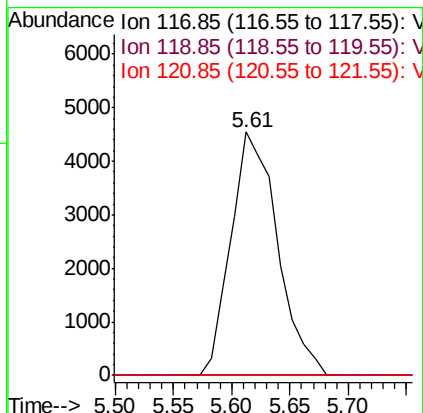
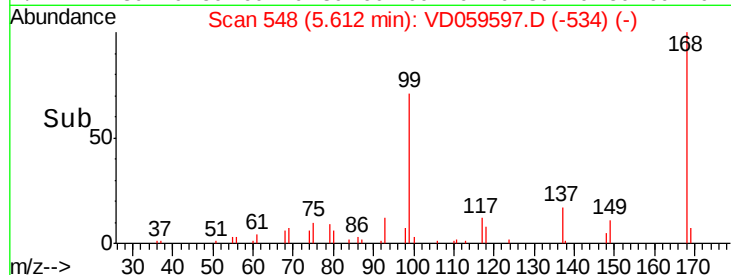
121 0.0 25.0 37.6#



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



#43

Isopropyl Acetate

Concen: 1.02 ug/l

RT: 7.88 min Scan# 779

Delta R.T. 0.30 min

Lab File: VD059597.D

Acq: 25 Jul 2018 18:59

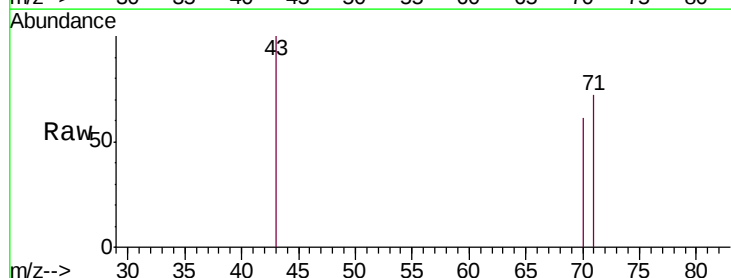
Tgt Ion: 43 Resp: 1120

Ion Ratio Lower Upper

43 100

61 0.0 22.0 33.0#

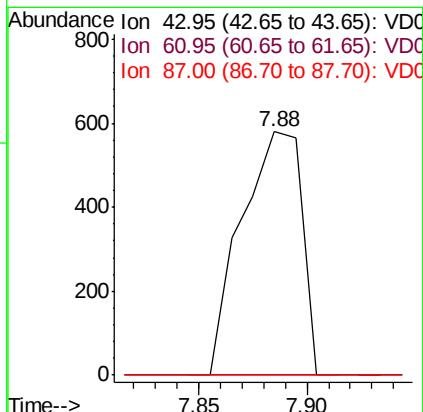
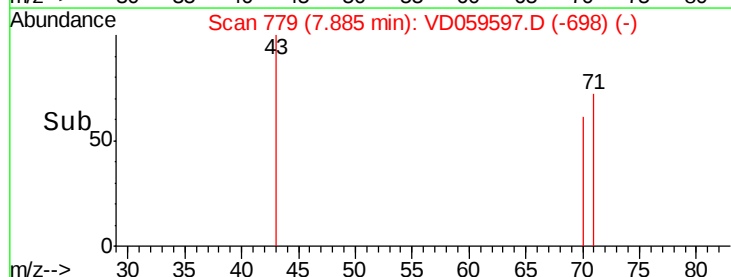
87 0.0 0.0 0.0

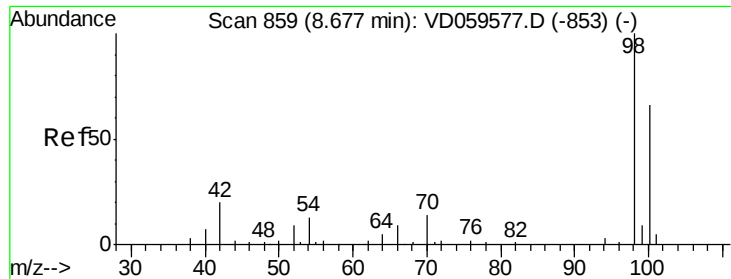


Abundance Ion 42.95 (42.65 to 43.65): V

Ion 60.95 (60.65 to 61.65): V

Ion 87.00 (86.70 to 87.70): V

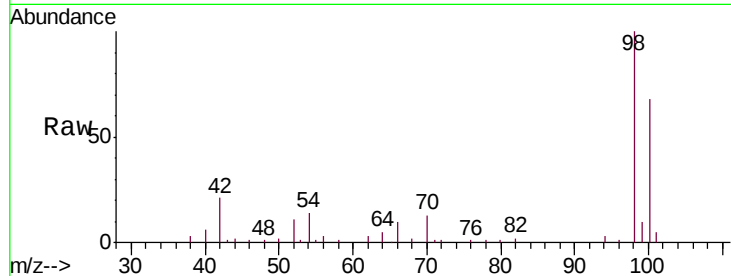




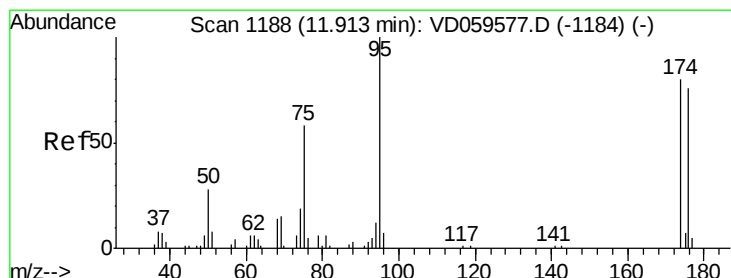
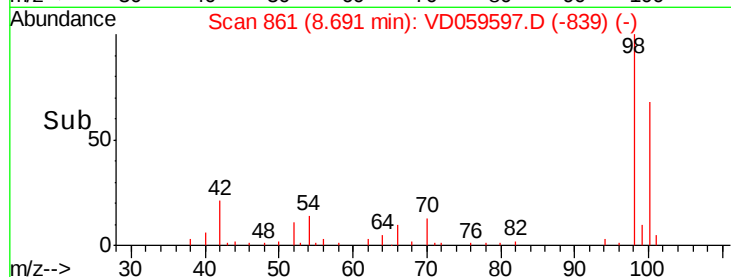
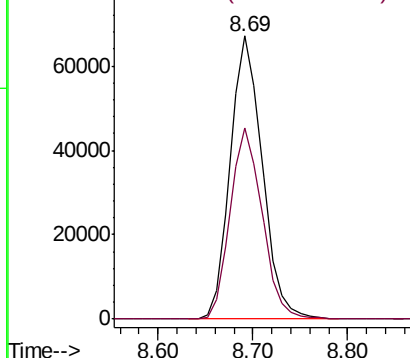
#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.69 min Scan# 861
Delta R.T. 0.01 min
Lab File: VD059597.D
Acq: 25 Jul 2018 18:59

Instrument :
MSVOA_D
ClientSampleId :
KY030LC006-S-180716

Tot Ion: 98 Resp: 156986
Ion Ratio Lower Upper
98 100
100 67.6 53.2 79.8

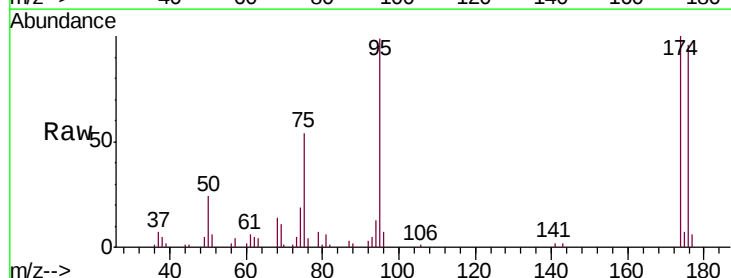


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

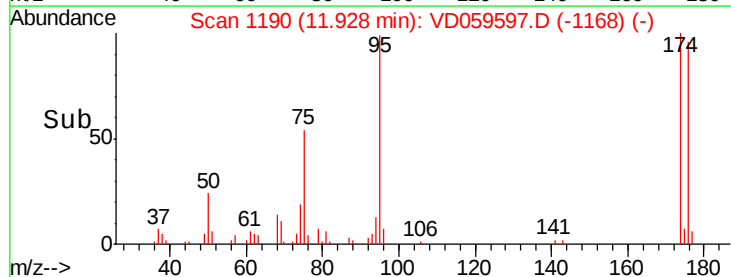
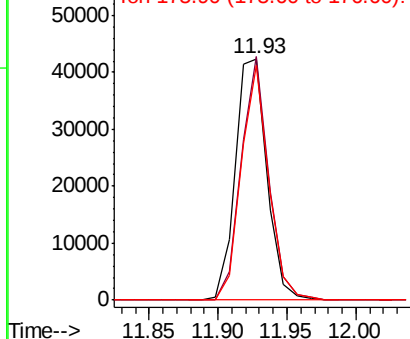


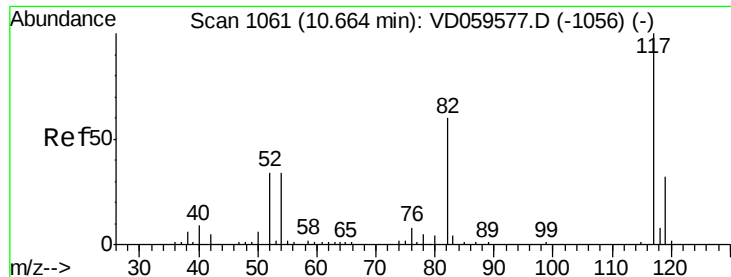
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 11.93 min Scan# 1190
Delta R.T. 0.01 min
Lab File: VD059597.D
Acq: 25 Jul 2018 18:59

Tgt Ion: 95 Resp: 67759
Ion Ratio Lower Upper
95 100
174 100.9 0.0 160.6
176 97.0 0.0 152.8



Abundance Ion 95.00 (94.70 to 95.70): VDC
Ion 173.90 (173.60 to 174.60): VDC
Ion 175.90 (175.60 to 176.60): VDC





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.68 min Scan# 1063

Delta R.T. 0.01 min

Lab File: VD059597.D

Acq: 25 Jul 2018 18:59

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716

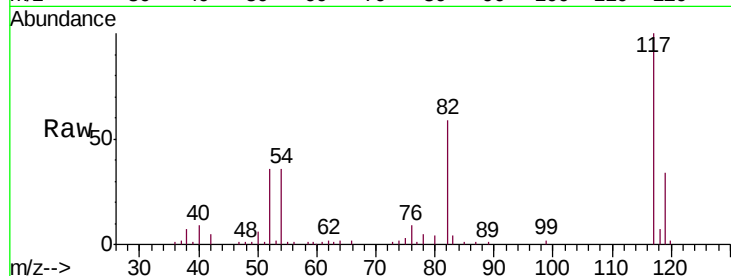
Tot Ion:117 Resp: 122517

Ion Ratio Lower Upper

117 100

82 59.5 48.2 72.2

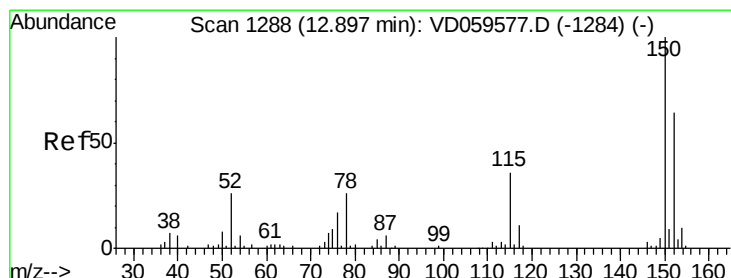
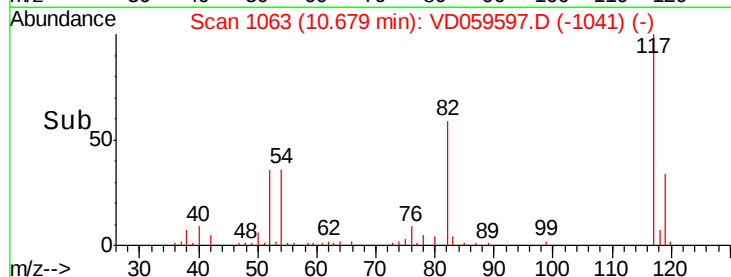
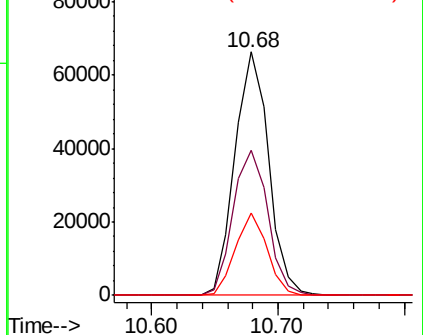
119 33.7 25.4 38.2



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. 0.00 min

Lab File: VD059597.D

Acq: 25 Jul 2018 18:59

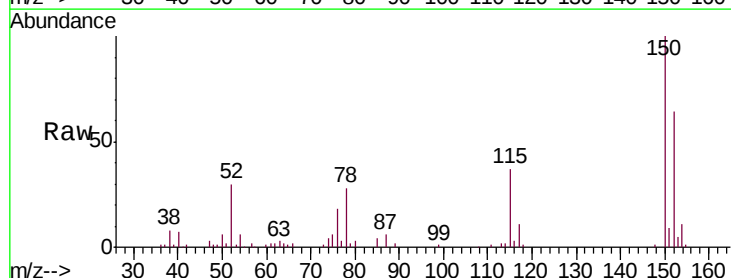
Tgt Ion:152 Resp: 66319

Ion Ratio Lower Upper

152 100

115 58.0 29.5 88.6

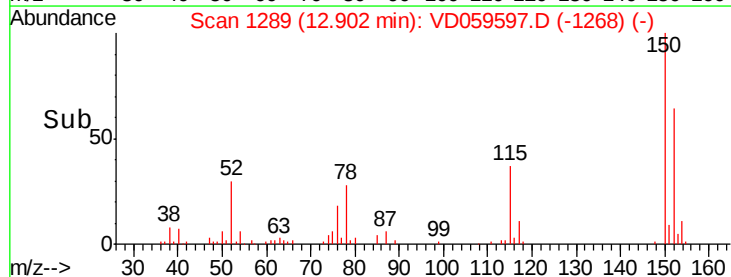
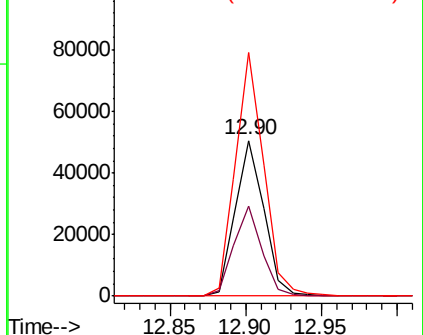
150 156.3 0.0 314.4

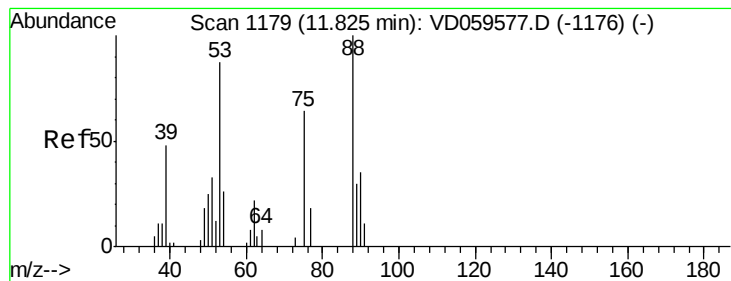


Abundance Ion 151.90 (151.60 to 152.60): V

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: 132.52 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.09 min

Lab File: VD059597.D

Acq: 25 Jul 2018 18:59

Instrument :

MSVOA_D

ClientSampleId :

KY030LC006-S-180716

Tot Ion: 75 Resp: 37159

Ion Ratio Lower Upper

75 100

53 0.0 107.7 161.5#

89 0.0 37.3 55.9#

