

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110118\
 Data File : VD060267.D
 Acq On : 1 Nov 2018 17:32
 Operator : VA/AP
 Sample : J5759-17
 Misc : 5.98g/5ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

Quant Time: Nov 02 02:42:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1554357	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.44	114	2075414	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.29	117	1471200	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.38	152	532323	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	485522	41.21	ug/l	0.02
Spiked Amount 50.000			Recovery =	82.42%		
35) Dibromofluoromethane	6.32	113	655664	41.60	ug/l	0.02
Spiked Amount 50.000			Recovery =	83.20%		
50) Toluene-d8	9.46	98	1620191	36.05	ug/l	0.02
Spiked Amount 50.000			Recovery =	72.10%		
62) 4-Bromofluorobenzene	12.43	95	483754	28.75	ug/l	0.01
Spiked Amount 50.000			Recovery =	57.50%		

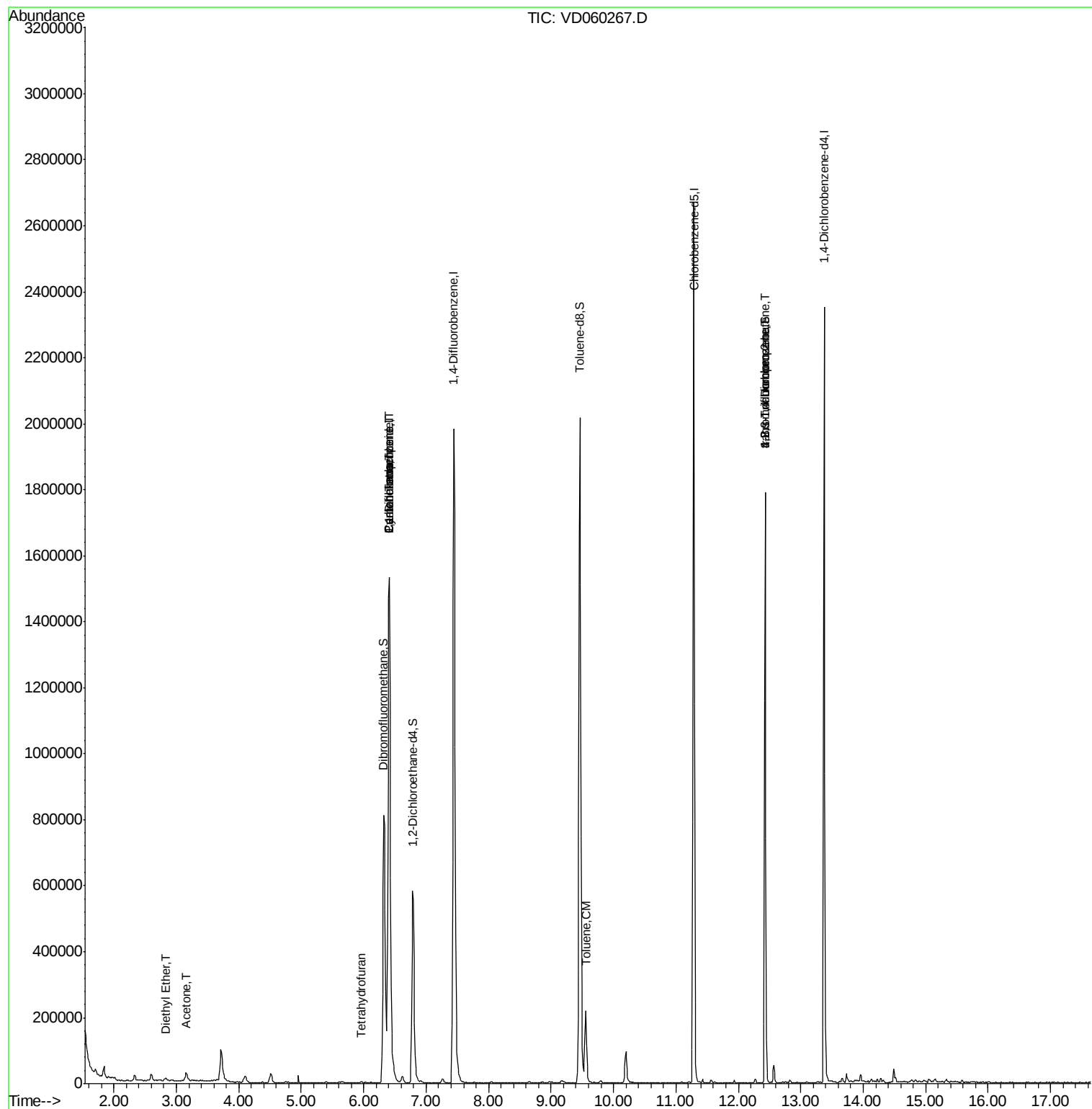
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.82	74	2665	1.003	ug/l	85
16) Acetone	3.16	43	52710	24.655	ug/l	95
20) Methylene Chloride	3.71	84	52000	Below Cal		94
29) Tetrahydrofuran	5.97	42	3515	1.133	ug/l #	78
31) Cyclohexane	6.40	56	33227	1.302	ug/l #	1
36) 1,1-Dichloropropene	6.40	75	105979	5.344	ug/l #	47
38) Carbon Tetrachloride	6.41	117	118086	6.560	ug/l #	16
52) Toluene	9.56	92	108756	3.255	ug/l	99
76) 1,2,3-Trichloropropane	12.43	75	194269	25.341	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.43	75	194968	90.511	ug/l #	13

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

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Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. 0.02 min

Lab File: VD060267.D

Acq: 1 Nov 2018 17:32

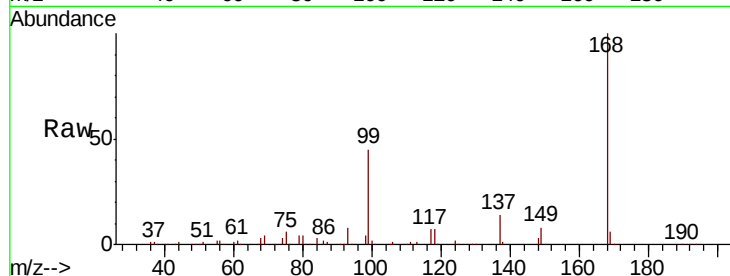
Instrument :
MSVOA_U
ClientSampled :
BFB

Tgt Ion:168 Resp: 1554357

Ion Ratio Lower Upper

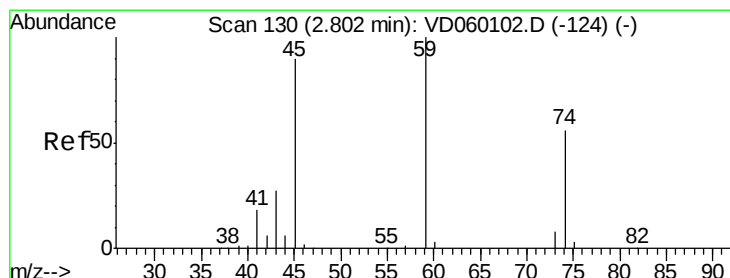
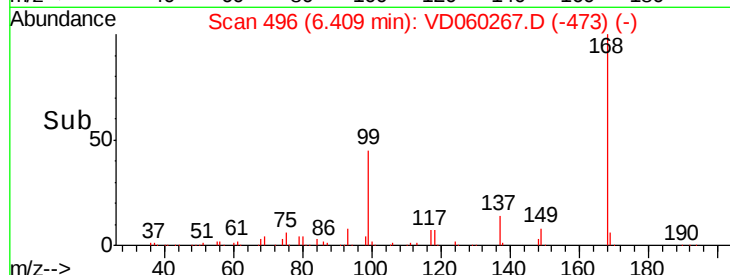
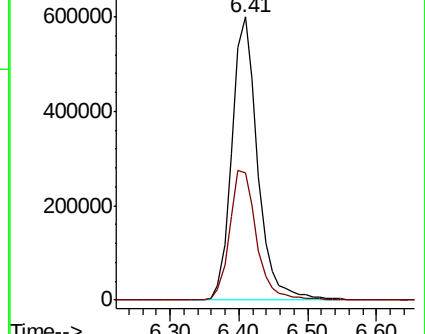
168 100

99 45.0 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#8

Diethyl Ether

Concen: 1.003 ug/l

RT: 2.82 min Scan# 131

Delta R.T. 0.01 min

Lab File: VD060267.D

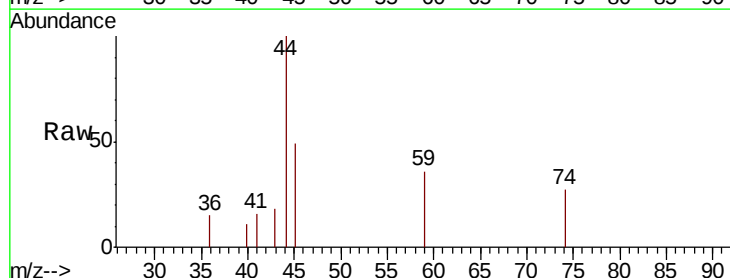
Acq: 1 Nov 2018 17:32

Tgt Ion: 74 Resp: 2665

Ion Ratio Lower Upper

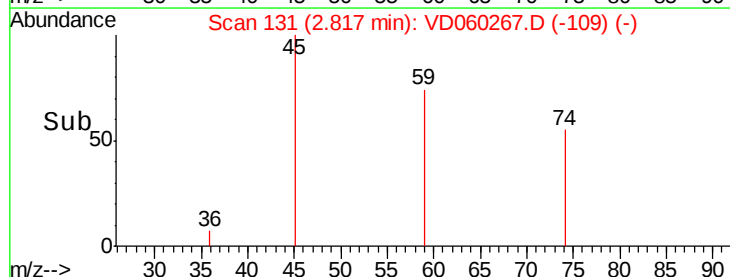
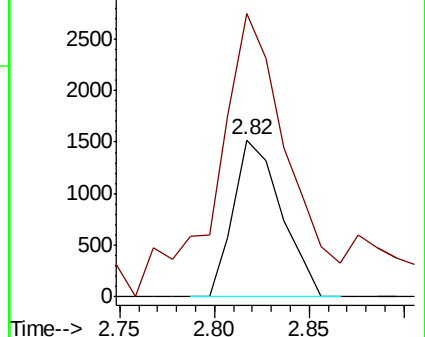
74 100

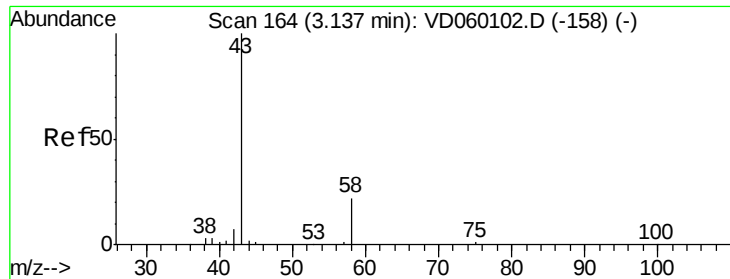
45 180.3 80.3 241.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#16

Acetone

Concen: 24.655 ug/l

RT: 3.16 min Scan# 166

Delta R.T. 0.02 min

Lab File: VD060267.D

Acq: 1 Nov 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

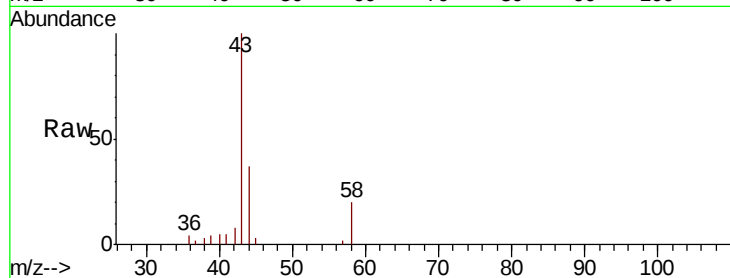
BFB

Tgt Ion: 43 Resp: 52710

Ion Ratio Lower Upper

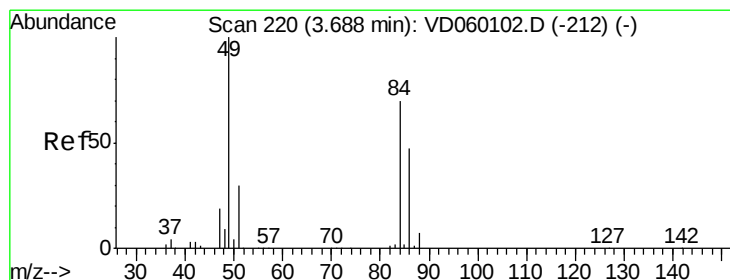
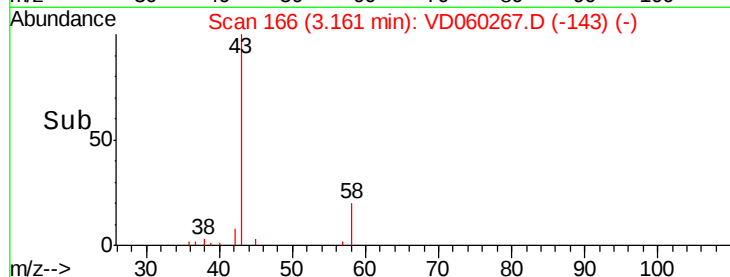
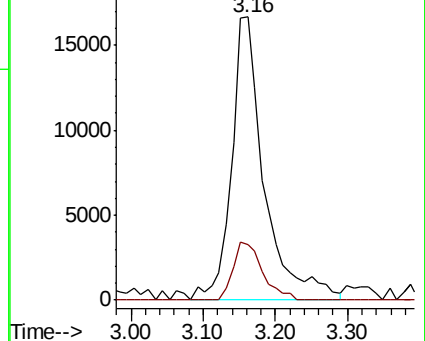
43 100

58 19.7 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 3.71 min Scan# 222

Delta R.T. 0.03 min

Lab File: VD060267.D

Acq: 1 Nov 2018 17:32

Tgt Ion: 84 Resp: 52000

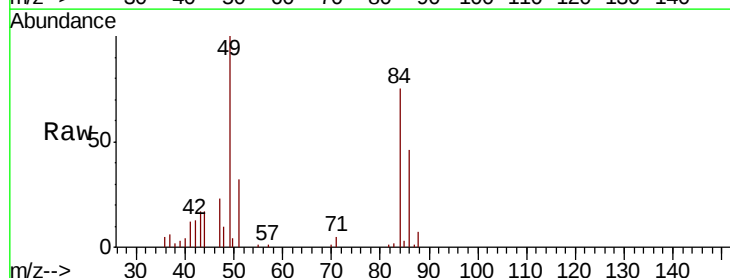
Ion Ratio Lower Upper

84 100

49 133.4 114.6 172.0

51 42.4 33.8 50.8

86 61.6 53.3 79.9

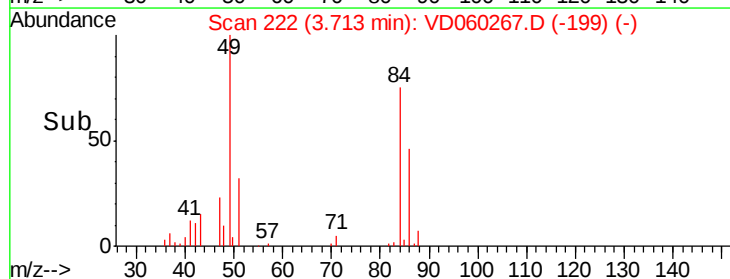
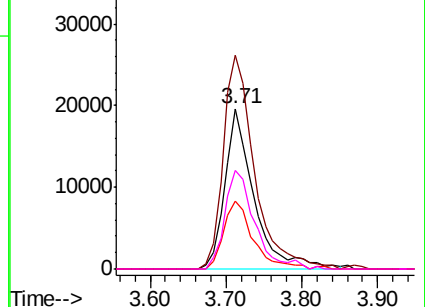


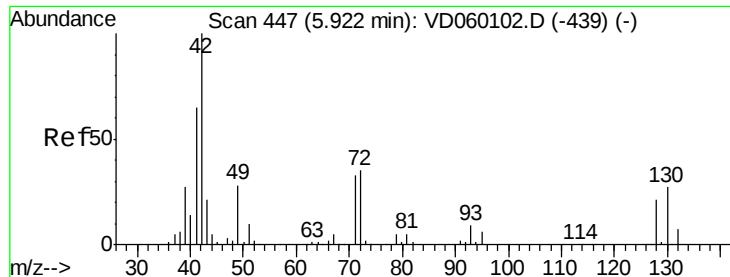
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 1.133 ug/l

RT: 5.97 min Scan# 451

Delta R.T. 0.04 min

Lab File: VD060267.D

Acq: 1 Nov 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

BFB

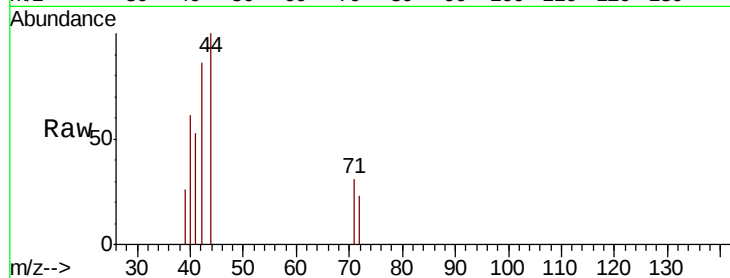
Tgt Ion: 42 Resp: 3515

Ion Ratio Lower Upper

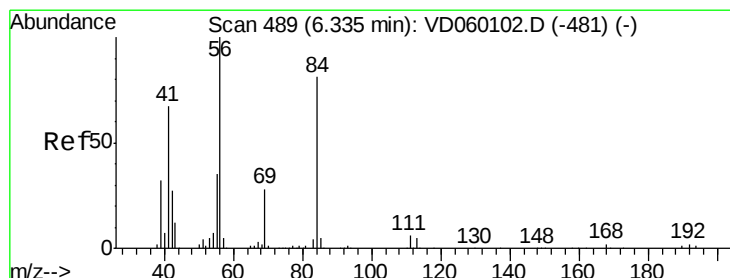
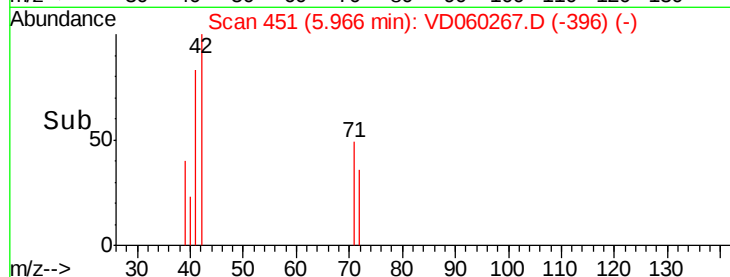
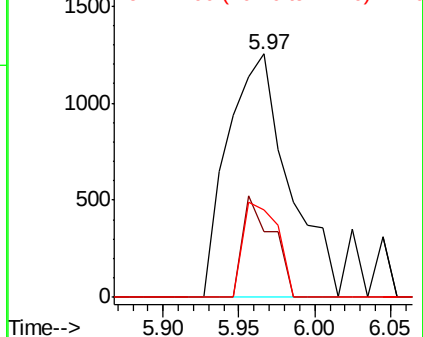
42 100

72 20.1 26.9 40.3#

71 22.1 26.7 40.1#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 1.302 ug/l

RT: 6.40 min Scan# 495

Delta R.T. 0.06 min

Lab File: VD060267.D

Acq: 1 Nov 2018 17:32

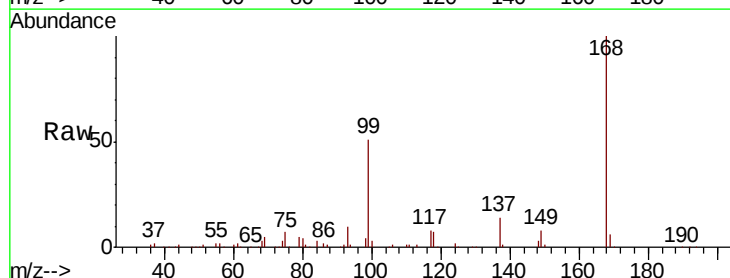
Tgt Ion: 56 Resp: 33227

Ion Ratio Lower Upper

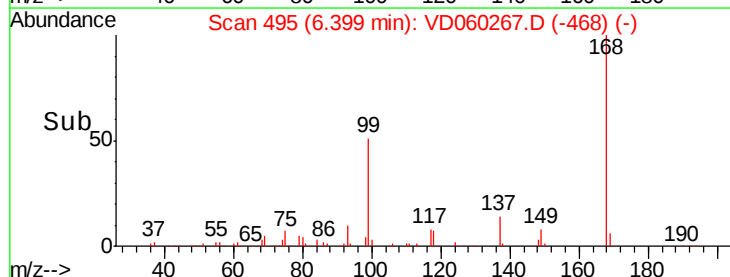
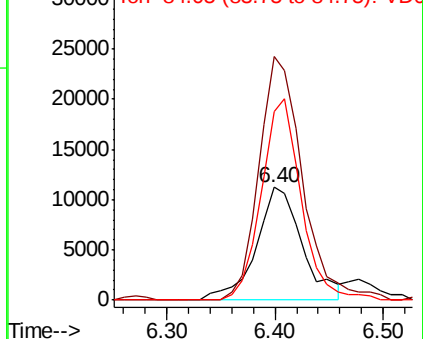
56 100

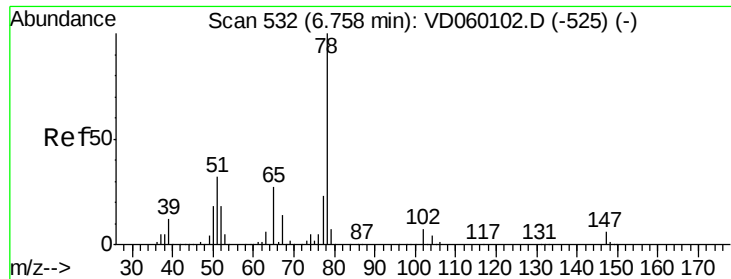
69 216.4 22.8 34.2#

84 167.3 64.9 97.3#



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

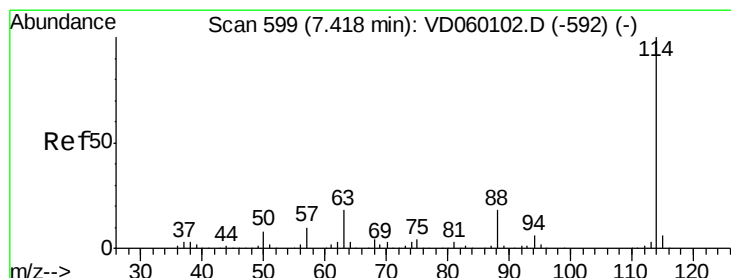
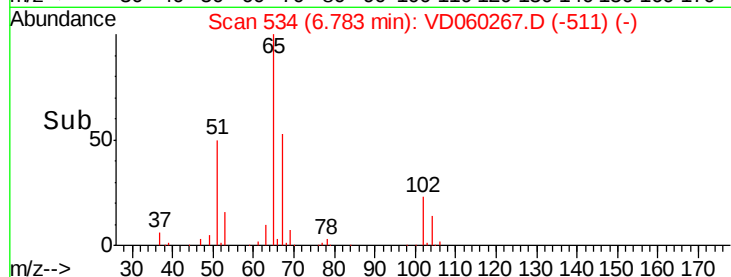
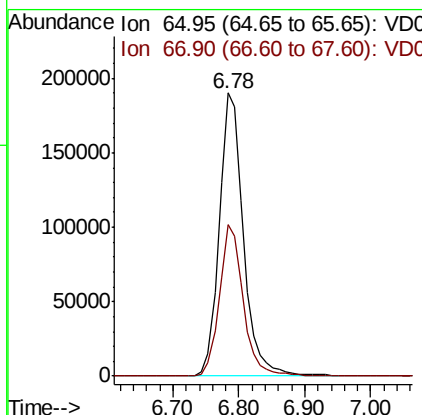
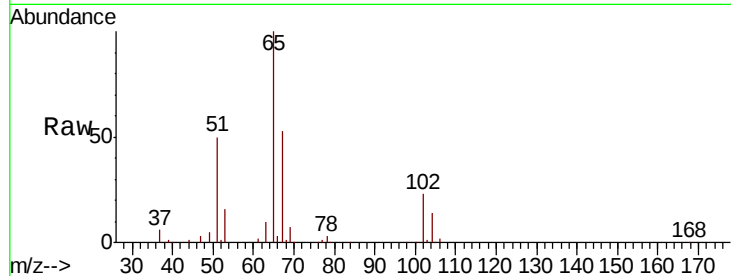




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.78 min Scan# 534
 Delta R.T. 0.02 min
 Lab File: VD060267.D
 Acq: 1 Nov 2018 17:32

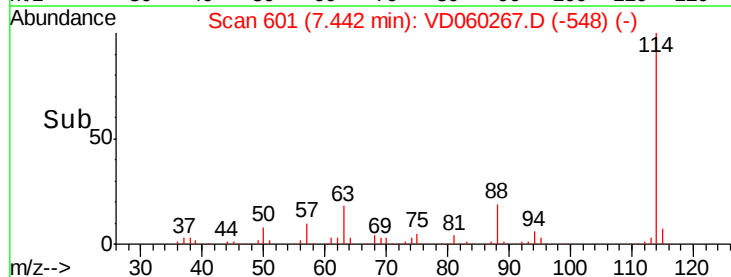
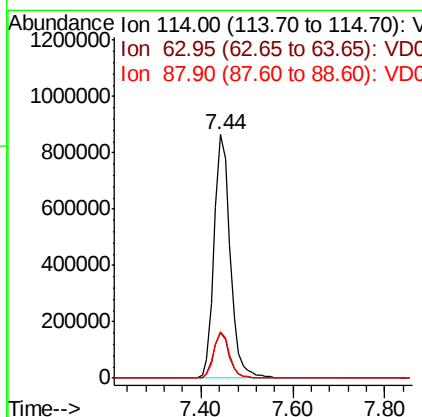
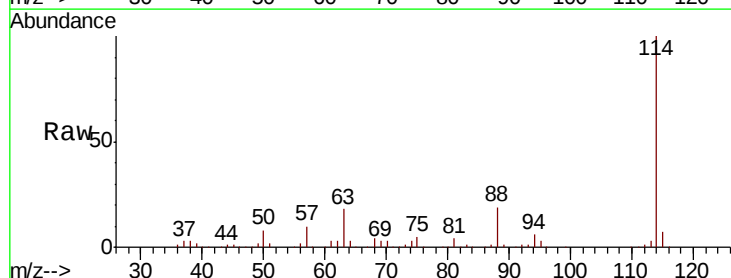
Instrument :
 MSVOA_U
 ClientSampleId :
 BFB

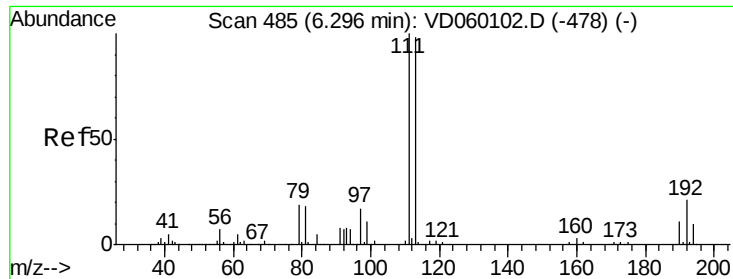
Tgt Ion: 65 Resp: 485522
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.44 min Scan# 601
 Delta R.T. 0.02 min
 Lab File: VD060267.D
 Acq: 1 Nov 2018 17:32

Tgt Ion: 114 Resp: 2075414
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.0
 88 19.1 0.0 36.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060267.D

Acq: 1 Nov 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
BFB

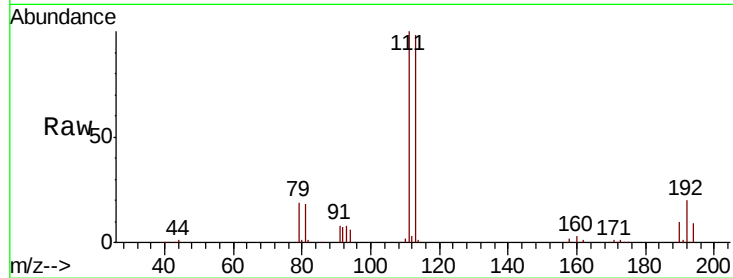
Tgt Ion:113 Resp: 655664

Ion Ratio Lower Upper

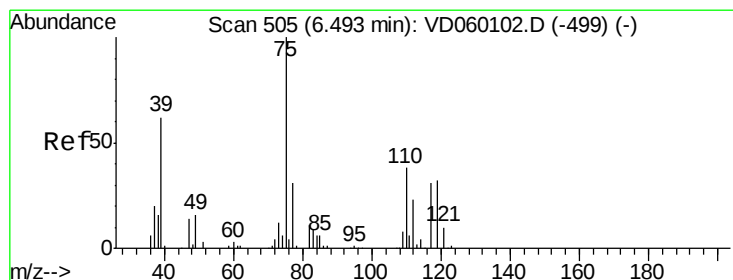
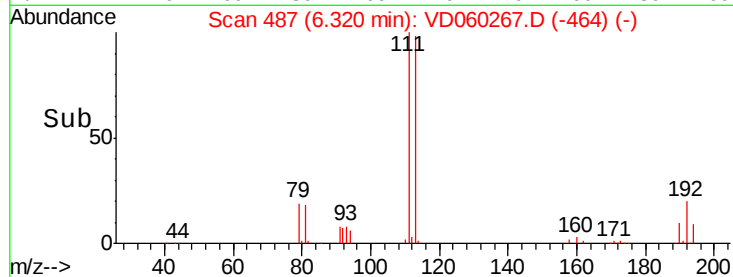
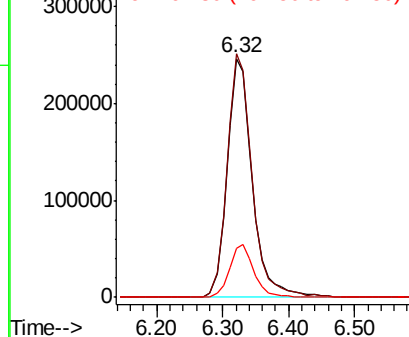
113 100

111 101.9 81.5 122.3

192 20.3 17.4 26.0



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: 5.344 ug/l

RT: 6.40 min Scan# 495

Delta R.T. -0.09 min

Lab File: VD060267.D

Acq: 1 Nov 2018 17:32

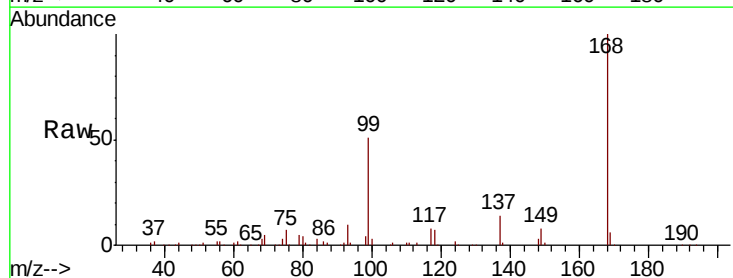
Tgt Ion: 75 Resp: 105979

Ion Ratio Lower Upper

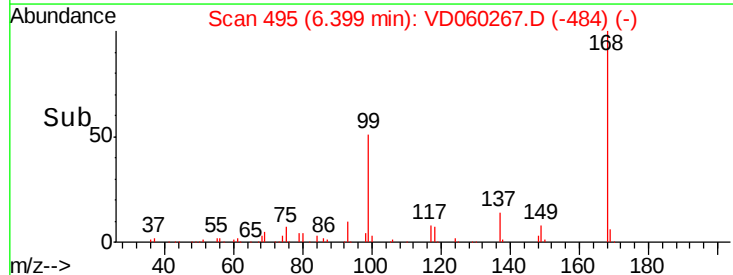
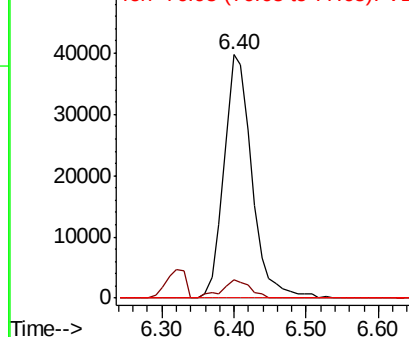
75 100

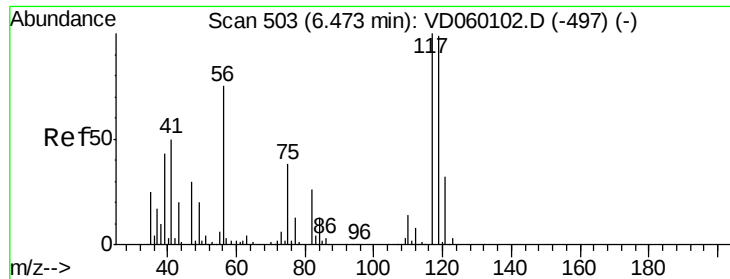
110 7.4 19.0 57.0#

77 0.0 24.9 37.3#



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

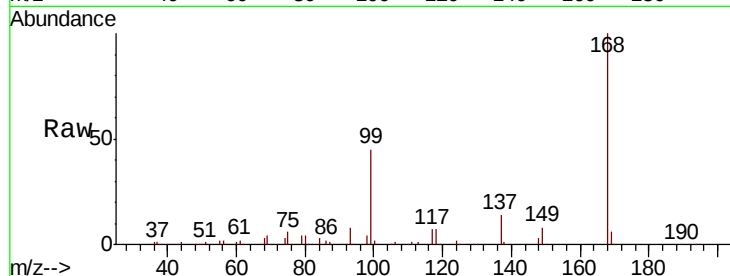




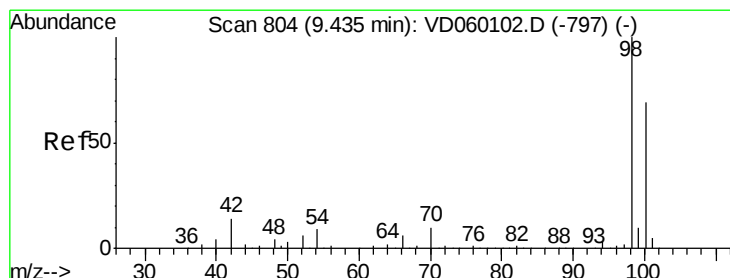
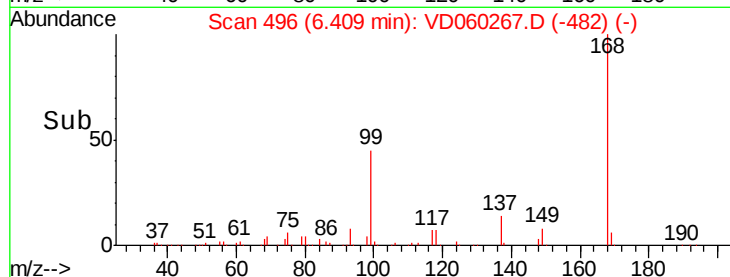
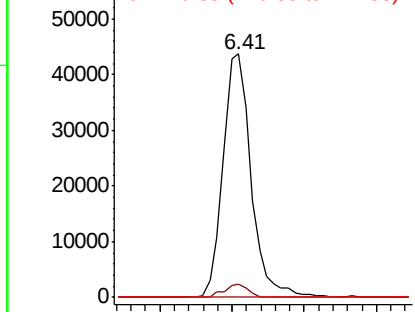
#38
Carbon Tetrachloride
Concen: 6.560 ug/l
RT: 6.41 min Scan# 496
Delta R.T. -0.06 min
Lab File: VD060267.D
Acq: 1 Nov 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:117 Resp: 118086
Ion Ratio Lower Upper
117 100
119 5.3 77.8 116.6#
121 0.0 24.8 37.2#

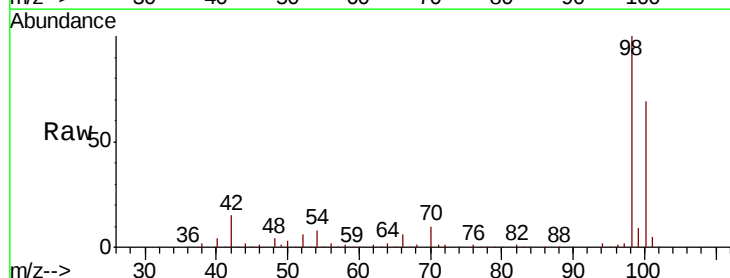


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

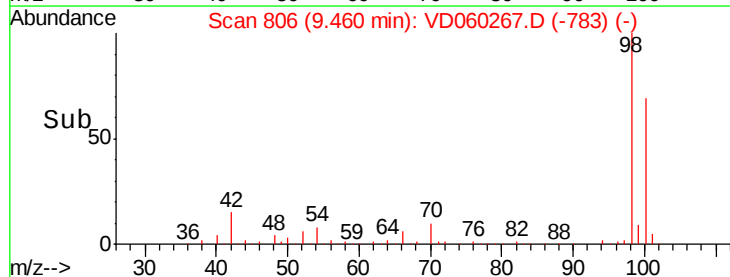
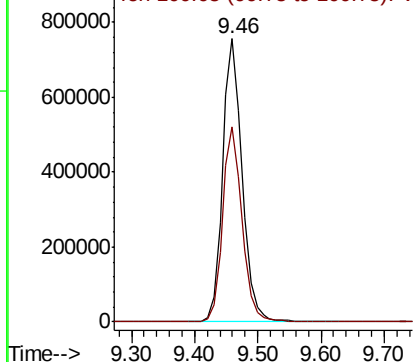


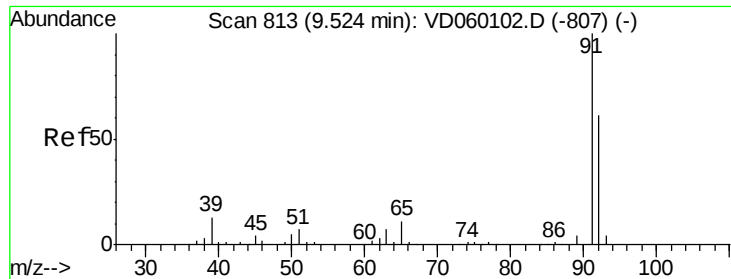
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.46 min Scan# 806
Delta R.T. 0.02 min
Lab File: VD060267.D
Acq: 1 Nov 2018 17:32

Tgt Ion: 98 Resp: 1620191
Ion Ratio Lower Upper
98 100
100 69.1 55.4 83.0



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





#52

Toluene

Concen: 3.255 ug/l

RT: 9.56 min Scan# 816

Delta R.T. 0.03 min

Lab File: VD060267.D

Acq: 1 Nov 2018 17:32

Instrument :

MSVOA_U

ClientSampleId :

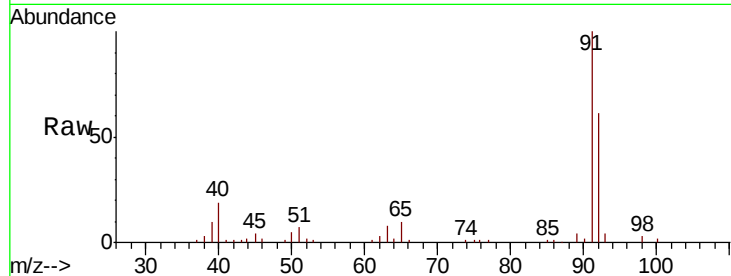
BFB

Tgt Ion: 92 Resp: 108756

Ion Ratio Lower Upper

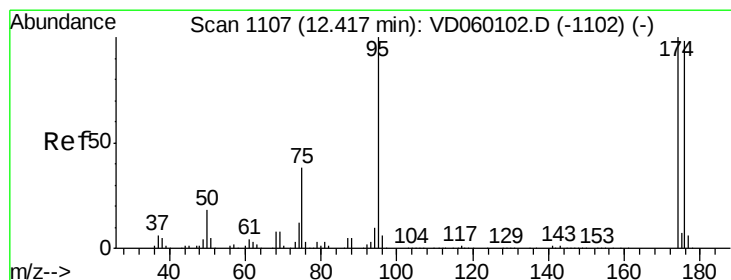
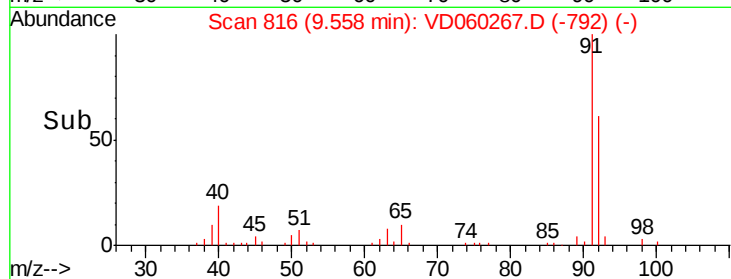
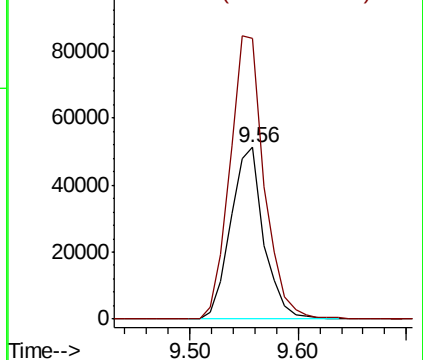
92 100

91 164.0 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VD060267.D

Acq: 1 Nov 2018 17:32

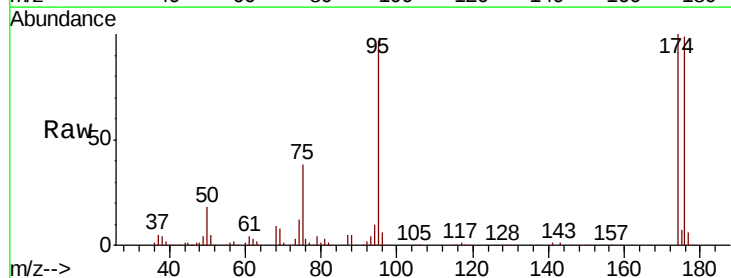
Tgt Ion: 95 Resp: 483754

Ion Ratio Lower Upper

95 100

174 103.0 0.0 200.2

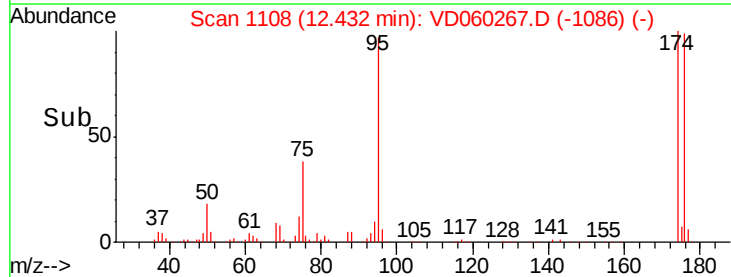
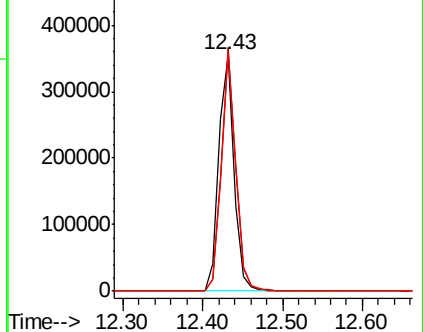
176 101.5 0.0 195.6

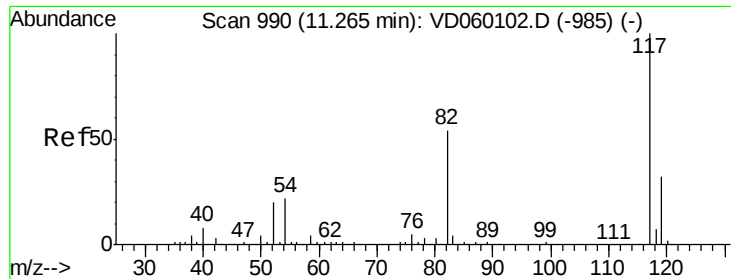


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

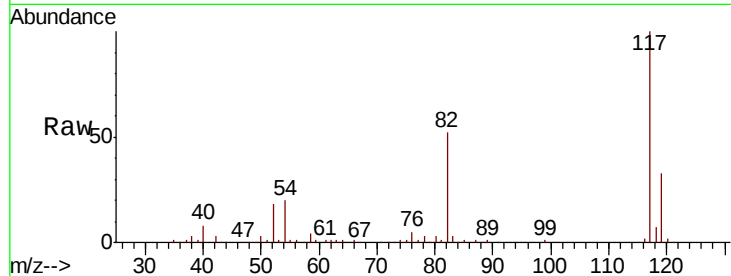




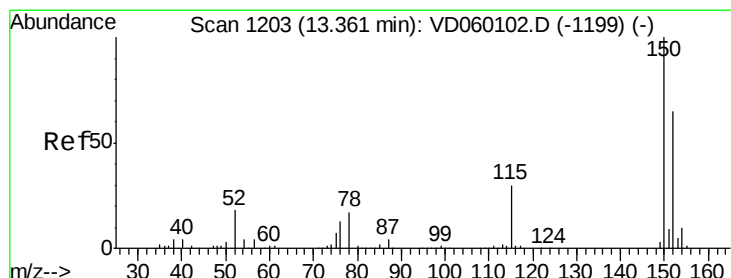
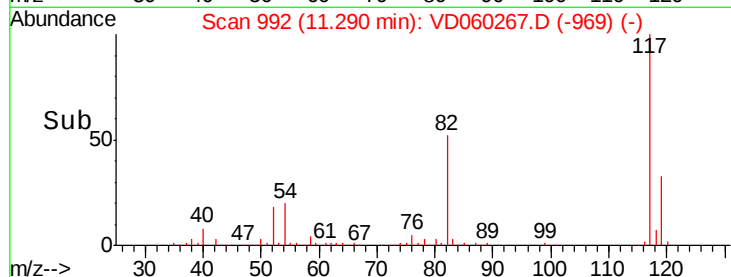
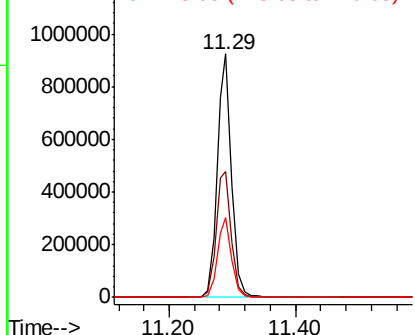
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 992
Delta R.T. 0.02 min
Lab File: VD060267.D
Acq: 1 Nov 2018 17:32

Instrument :
MSVOA_U
ClientSampleId :
BFB

Tgt Ion:117 Resp: 1471200
Ion Ratio Lower Upper
117 100
82 51.5 43.4 65.2
119 32.8 26.0 39.0

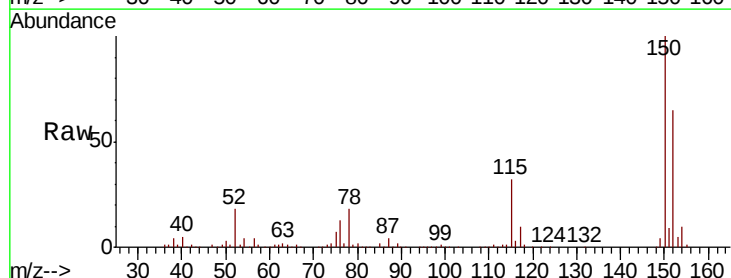


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

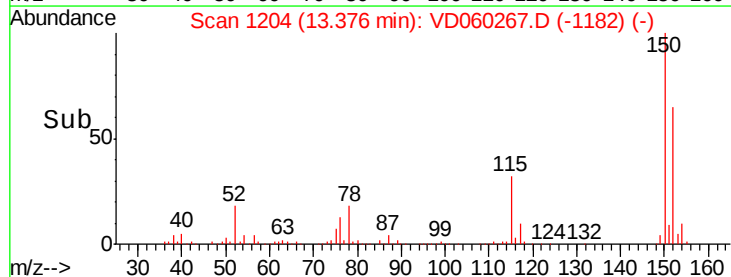
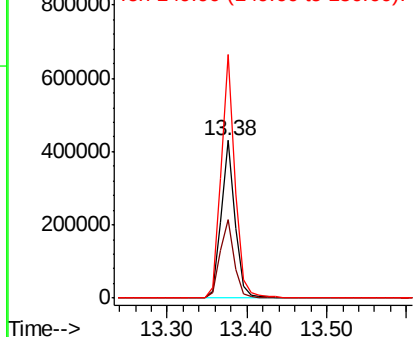


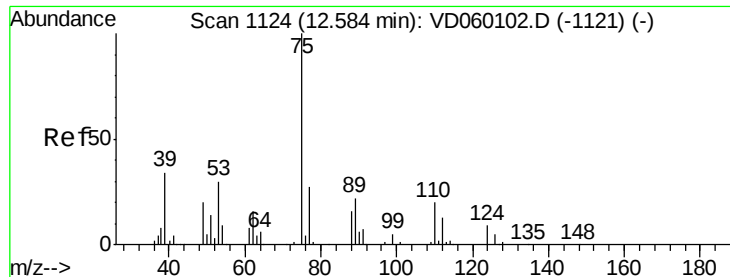
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1204
Delta R.T. 0.01 min
Lab File: VD060267.D
Acq: 1 Nov 2018 17:32

Tgt Ion:152 Resp: 532323
Ion Ratio Lower Upper
152 100
115 50.2 27.1 81.2
150 154.6 0.0 311.8



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





#76

1,2,3-Trichloropropane

Concen: 25.341 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.15 min

Lab File: VD060267.D

Acq: 1 Nov 2018 17:32

Instrument :

MSVOA_U

ClientSampled :

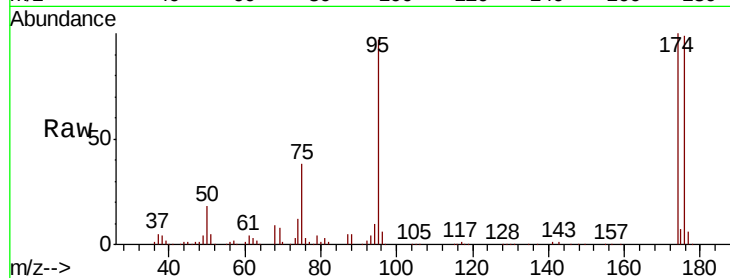
BFB

Tgt Ion: 75 Resp: 194269

Ion Ratio Lower Upper

75 100

77 1.4 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

12.43

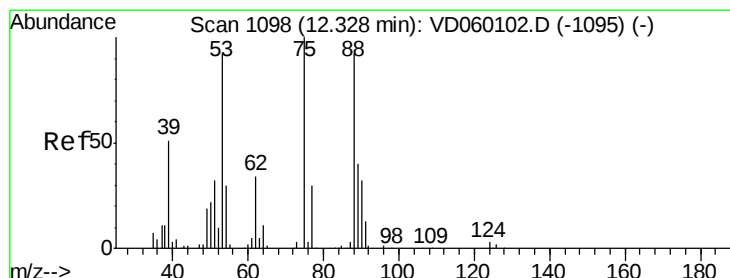
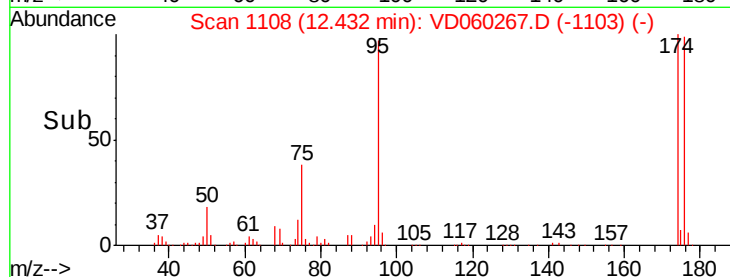
150000

100000

50000

0

Time--> 12.35 12.40 12.45 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 90.511 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. 0.10 min

Lab File: VD060267.D

Acq: 1 Nov 2018 17:32

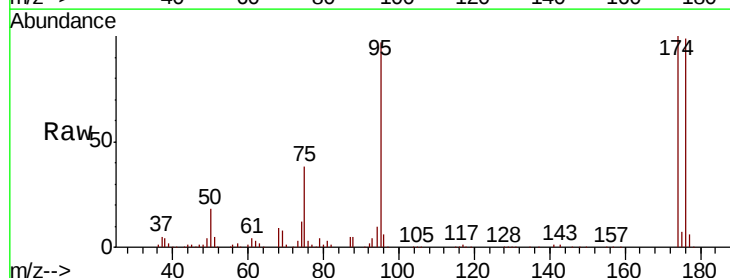
Tgt Ion: 75 Resp: 194968

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#



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

12.43

150000

100000

50000

0

Time--> 12.35 12.40 12.45 12.50

