

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060118.D
 Acq On : 3 Oct 2018 15:10
 Operator : VA/AP
 Sample : J5219-02
 Misc : 10.11g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-01-E10-F10-E10A-F10A

Quant Time: Oct 04 04:29:13 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	6.39	168	1208886	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	7.44	114	1625307	50.00	ug/l	0.02
63) Chlorobenzene-d5	11.28	117	1364184	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	748119	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	516839	56.40	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	112.80%	
35) Dibromofluoromethane	6.32	113	675112	54.70	ug/l	0.02
Spiked Amount				50.000		
			Recovery	=	109.40%	
50) Toluene-d8	9.45	98	1712633	48.66	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.42	95	709439	53.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.68%	

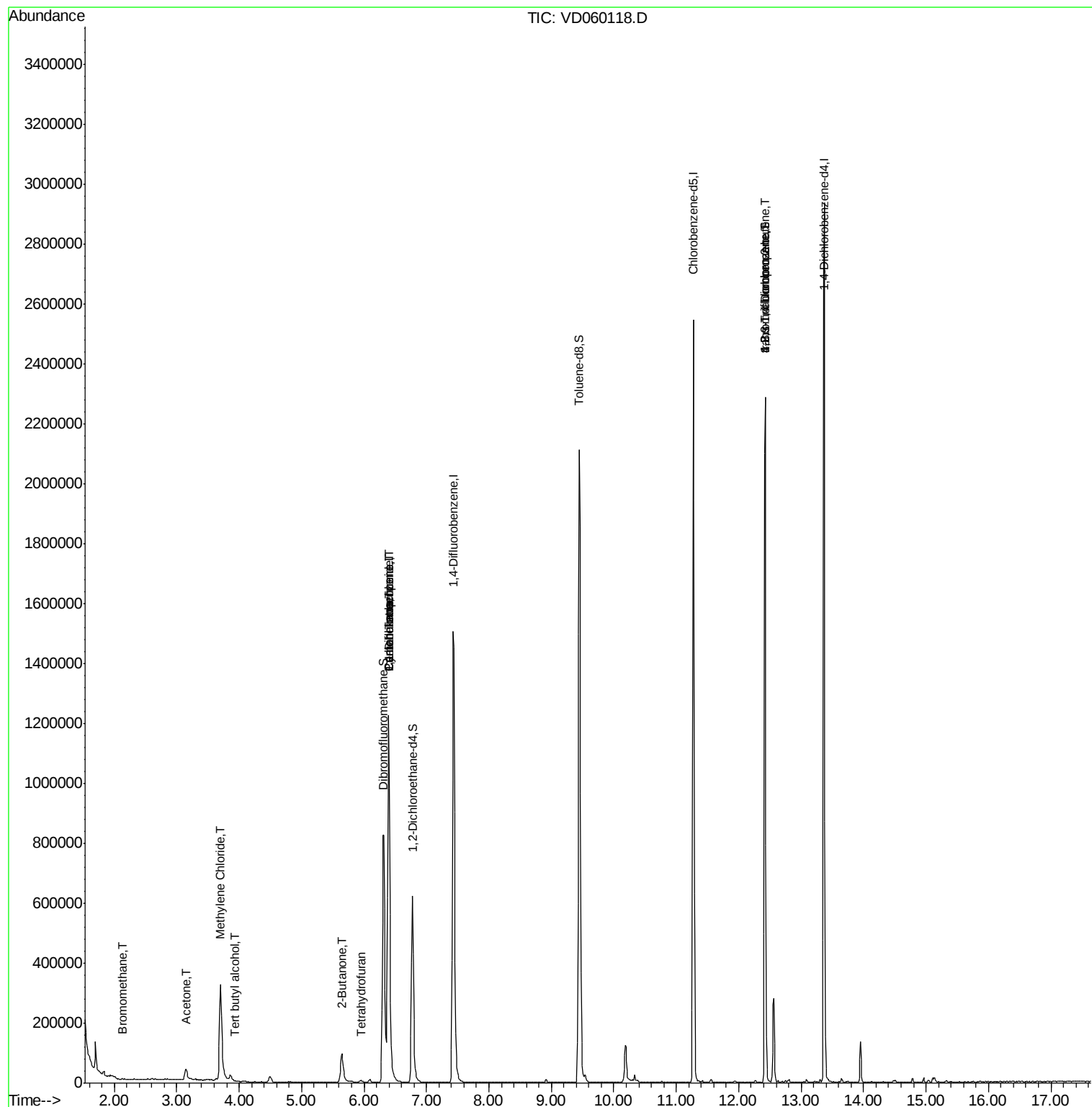
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.14	94	1069	1.015	ug/l #	1
11) Tert butyl alcohol	3.93	59	1795	2.731	ug/l #	74
16) Acetone	3.15	43	76338	45.911	ug/l	97
20) Methylene Chloride	3.70	84	210975	12.931	ug/l	96
25) 2-Butanone	5.64	43	13182	3.173	ug/l #	59
29) Tetrahydrofuran	5.94	42	4168	1.727	ug/l #	81
31) Cyclohexane	6.38	56	21930	1.105	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	79118	5.094	ug/l #	46
38) Carbon Tetrachloride	6.39	117	95269	6.758	ug/l #	15
76) 1,2,3-Trichloropropane	12.42	75	244854	22.727	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.42	75	277074	91.525	ug/l #	13

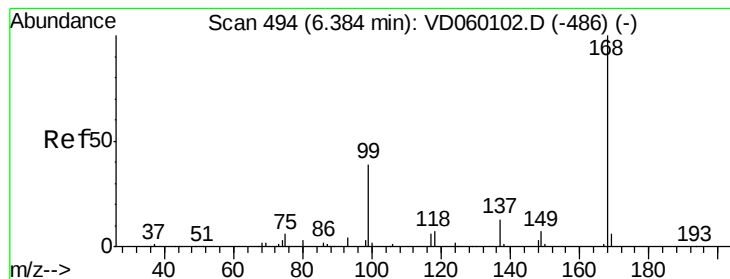
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100318\
Data File : VD060118.D
Acq On : 3 Oct 2018 15:10
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FK-BPM-01-E10-F10-E10A-F10A

Quant Time: Oct 04 04:29:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. 0.01 min

Lab File: VD060118.D

Acq: 3 Oct 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

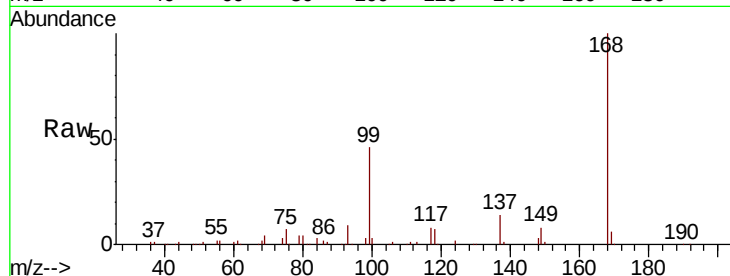
FK-BPM-01-E10-F10-E10A-F10A

Tot Ion:168 Resp: 1208886

Ion Ratio Lower Upper

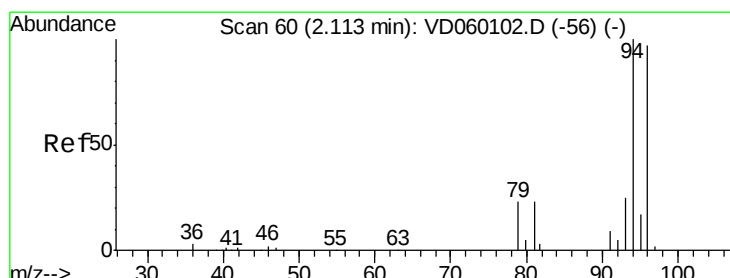
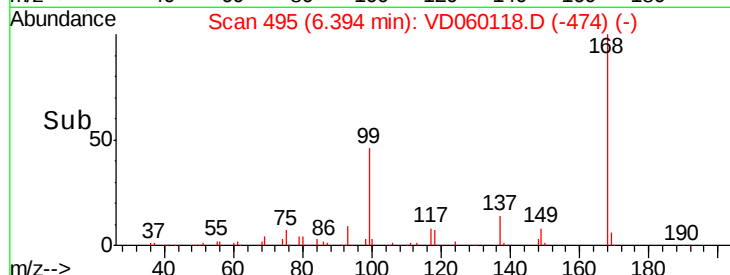
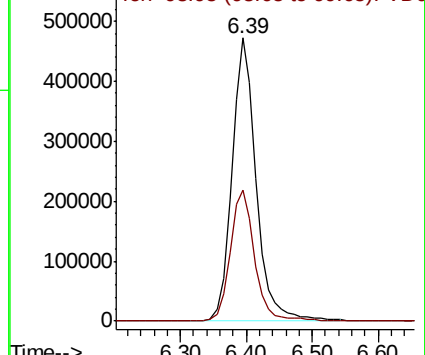
168 100

99 46.5 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.015 ug/l

RT: 2.14 min Scan# 63

Delta R.T. 0.03 min

Lab File: VD060118.D

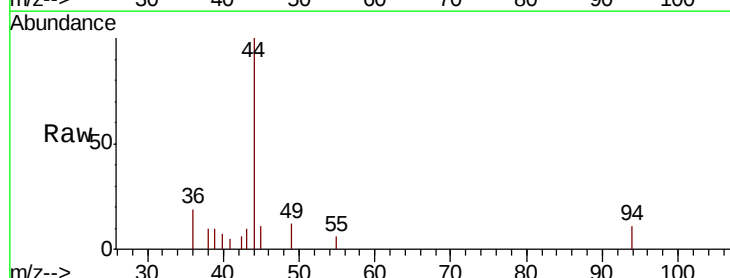
Acq: 3 Oct 2018 15:10

Tgt Ion: 94 Resp: 1069

Ion Ratio Lower Upper

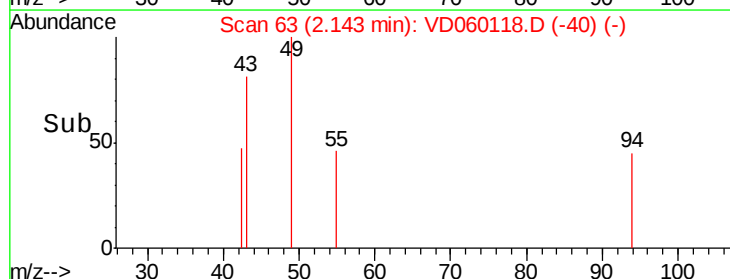
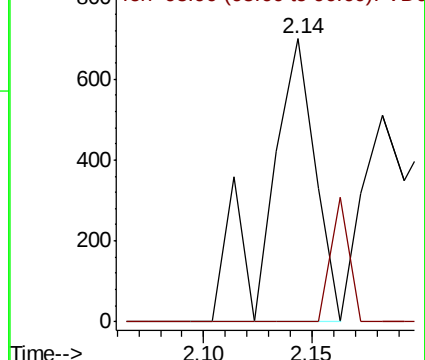
94 100

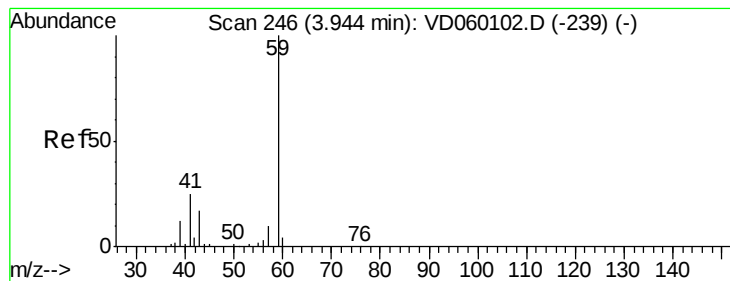
96 0.0 77.4 116.2#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



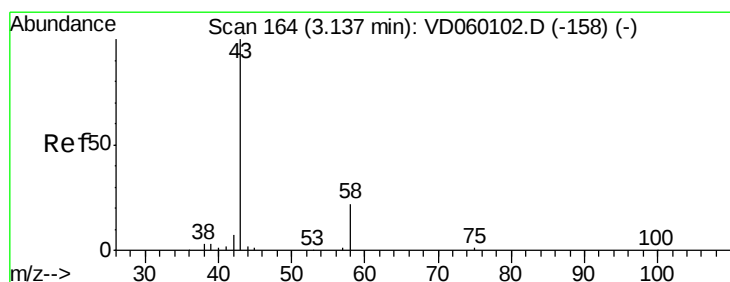
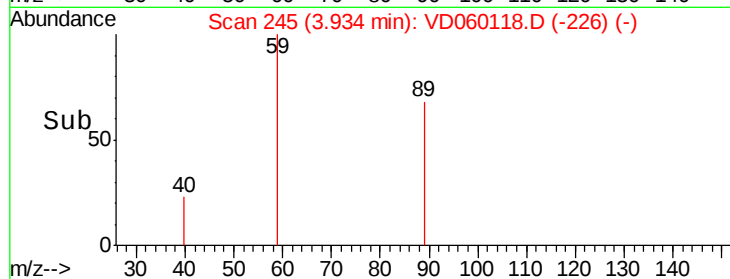
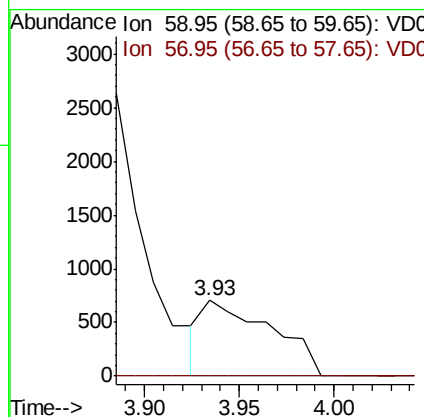
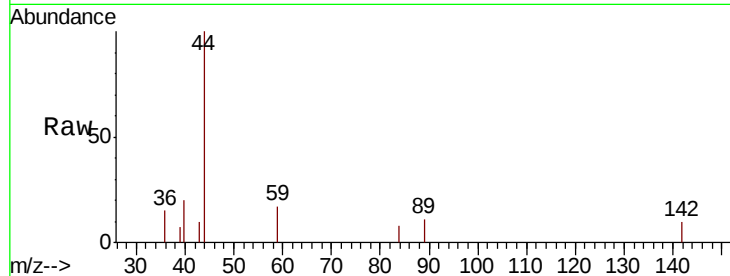


#11

Tert butyl alcohol
 Concen: 2.731 ug/l
 RT: 3.93 min Scan# 245
 Delta R.T. -0.01 min
 Lab File: VD060118.D
 Acq: 3 Oct 2018 15:10

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-01-E10-F10-E10A-F10A

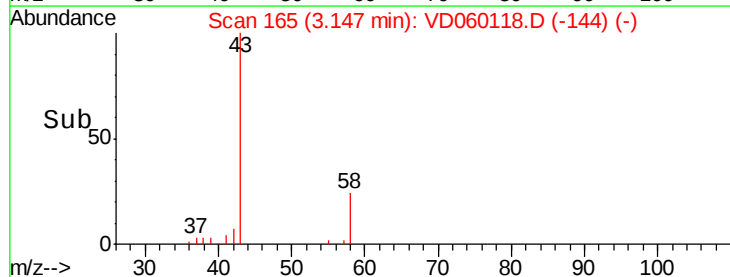
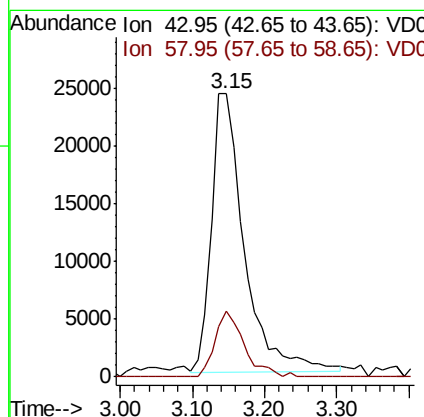
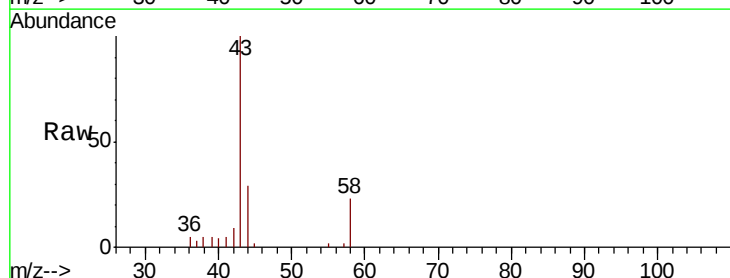
Tot Ion: 59 Resp: 1795
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

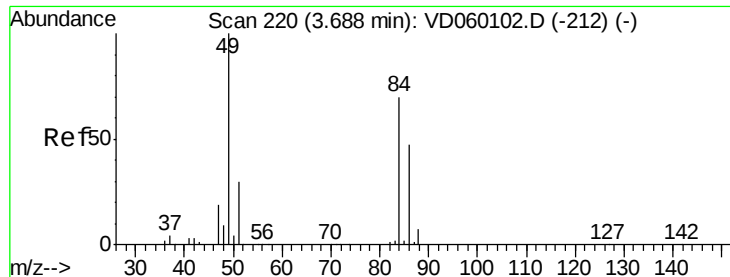


#16

Acetone
 Concen: 45.911 ug/l
 RT: 3.15 min Scan# 165
 Delta R.T. 0.01 min
 Lab File: VD060118.D
 Acq: 3 Oct 2018 15:10

Tgt Ion: 43 Resp: 76338
 Ion Ratio Lower Upper
 43 100
 58 23.4 17.7 26.5

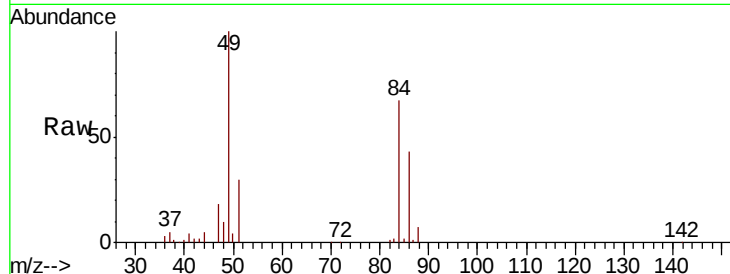




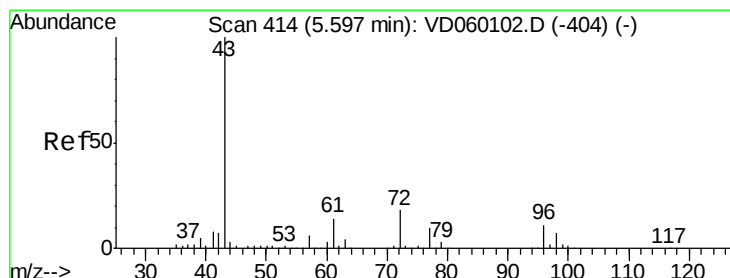
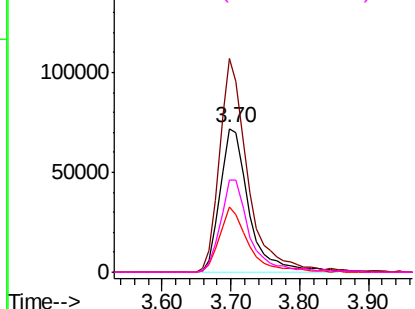
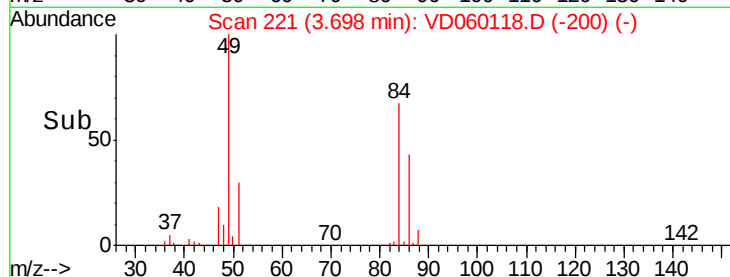
#20
Methvlene Chloride
Concen: 12.931 ug/l
RT: 3.70 min Scan# 221
Delta R.T. 0.01 min
Lab File: VD060118.D
Acq: 3 Oct 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-01-E10-F10-E10A-F10A

Tot Ion: 84 Resp: 210975
Ion Ratio Lower Upper
84 100
49 148.4 114.6 172.0
51 45.1 33.8 50.8
86 64.1 53.3 79.9

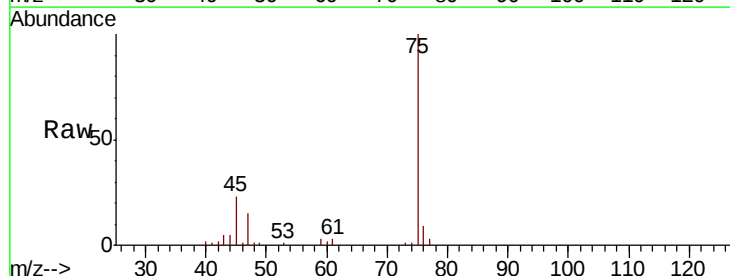


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

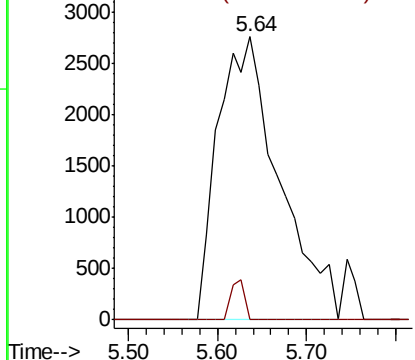
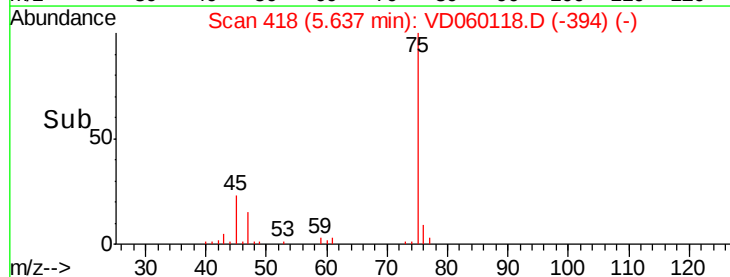


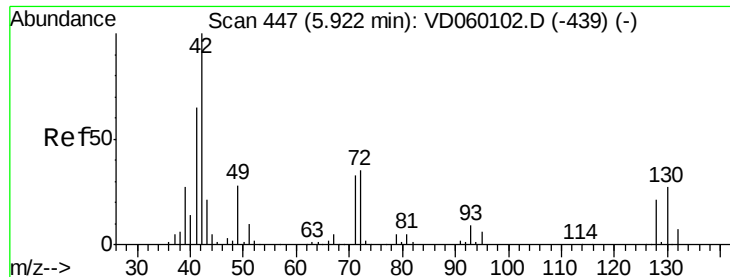
#25
2-Butanone
Concen: 3.173 ug/l
RT: 5.64 min Scan# 418
Delta R.T. 0.04 min
Lab File: VD060118.D
Acq: 3 Oct 2018 15:10

Tgt Ion: 43 Resp: 13182
Ion Ratio Lower Upper
43 100
72 0.0 14.5 21.7#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#29

Tetrahydrofuran

Concen: 1.727 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060118.D

Acq: 3 Oct 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-E10-F10-E10A-F10A

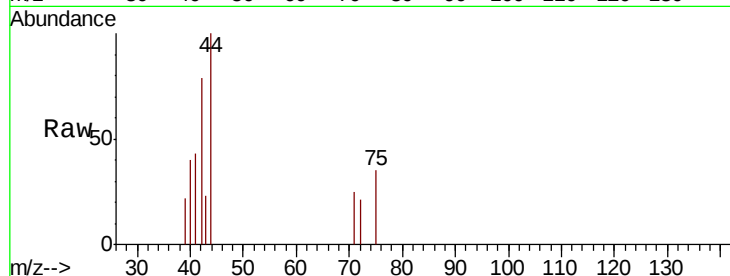
Tot Ion: 42 Resp: 4168

Ion Ratio Lower Upper

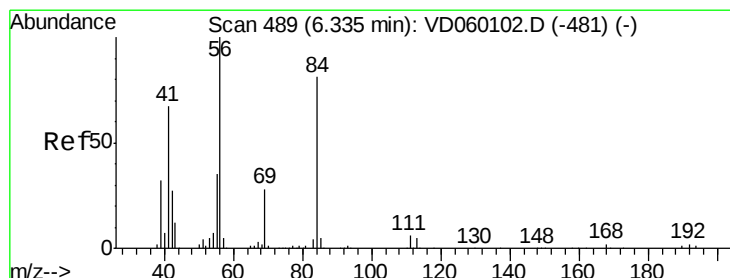
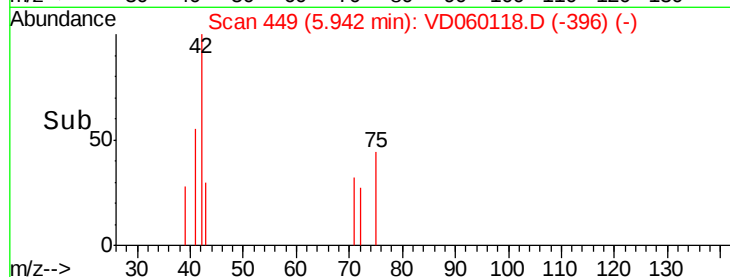
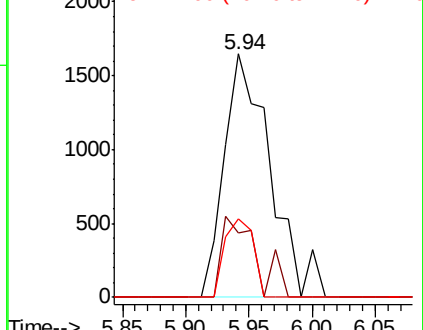
42 100

72 25.0 26.9 40.3#

71 19.8 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: 1.105 ug/l

RT: 6.38 min Scan# 494

Delta R.T. 0.05 min

Lab File: VD060118.D

Acq: 3 Oct 2018 15:10

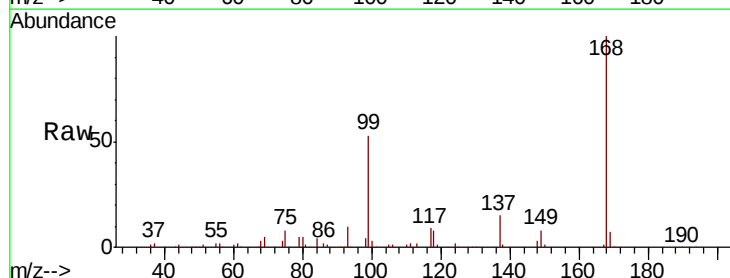
Tgt Ion: 56 Resp: 21930

Ion Ratio Lower Upper

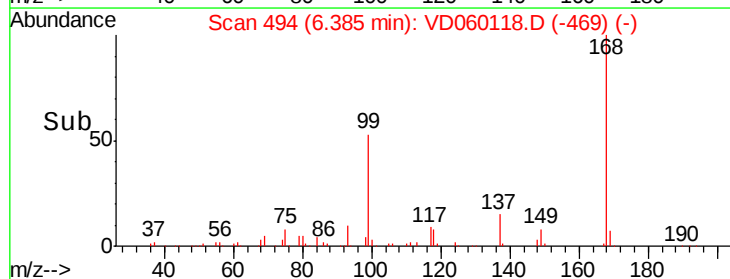
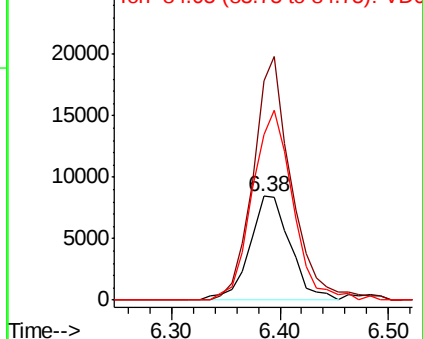
56 100

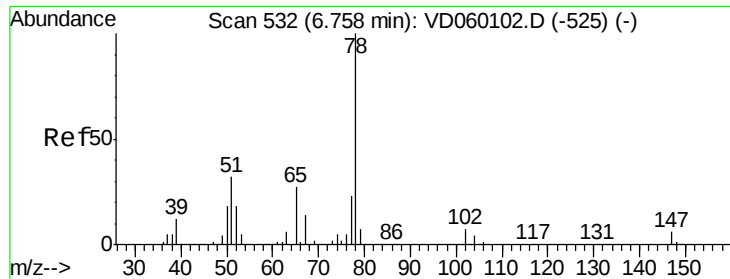
69 211.9 22.8 34.2#

84 159.8 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: VD060118.D

Acq: 3 Oct 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

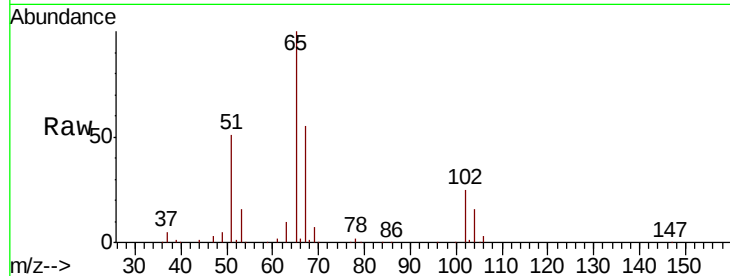
FK-BPM-01-E10-F10-E10A-F10A

Tot Ion: 65 Resp: 516839

Ion Ratio Lower Upper

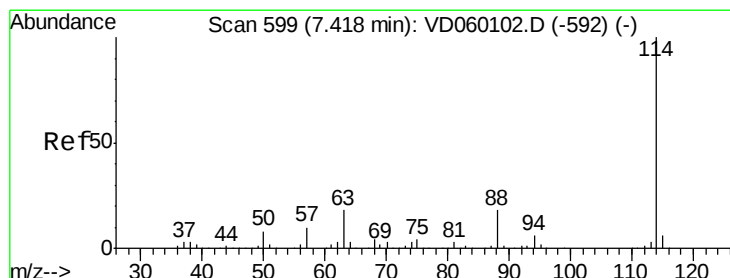
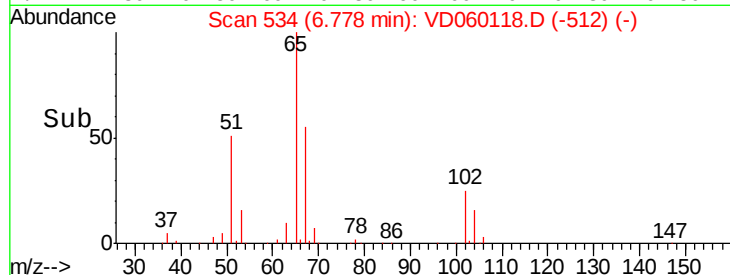
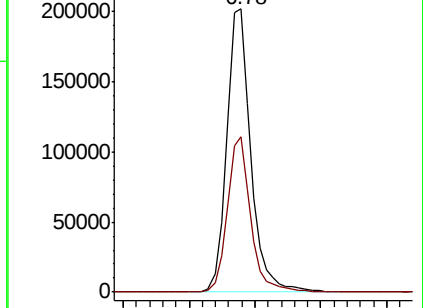
65 100

67 54.9 0.0 106.2



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: 7.44 min Scan# 601

Delta R.T. 0.02 min

Lab File: VD060118.D

Acq: 3 Oct 2018 15:10

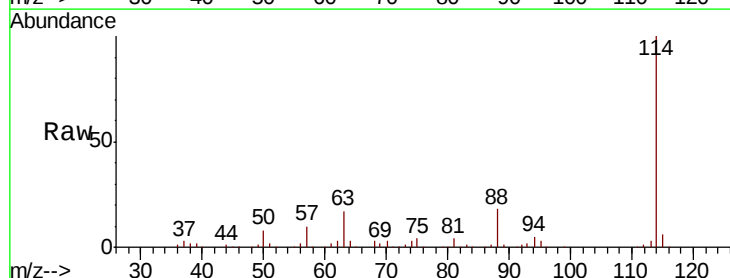
Tgt Ion: 114 Resp: 1625307

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.0

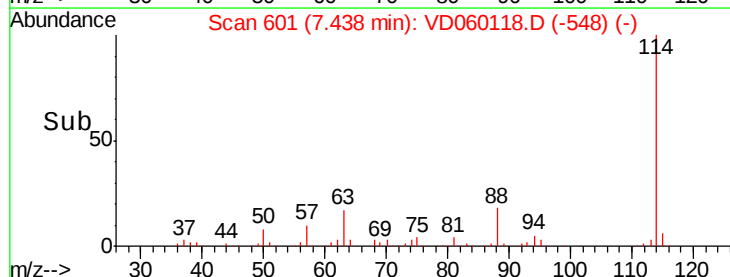
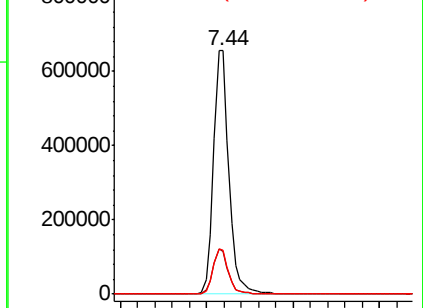
88 17.9 0.0 36.2

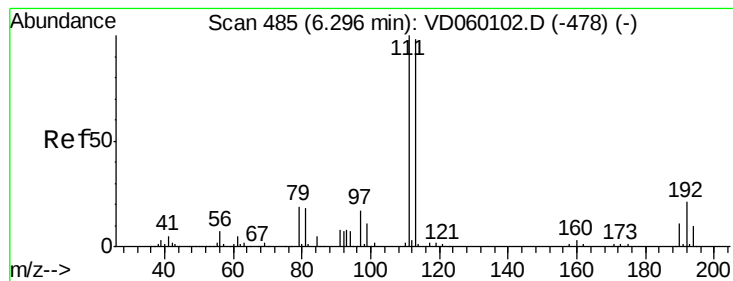


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.32 min Scan# 487

Delta R.T. 0.02 min

Lab File: VD060118.D

Acq: 3 Oct 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-E10-F10-E10A-F10A

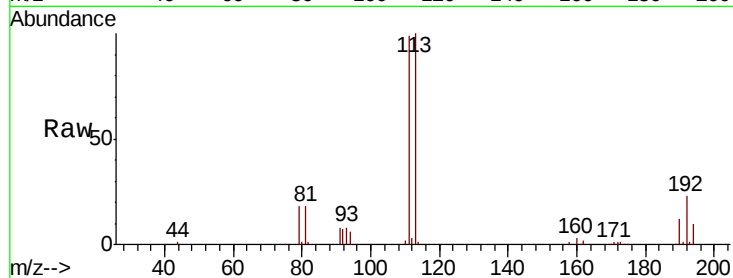
Tot Ion:113 Resp: 675112

Ion Ratio Lower Upper

113 100

111 99.4 81.5 122.3

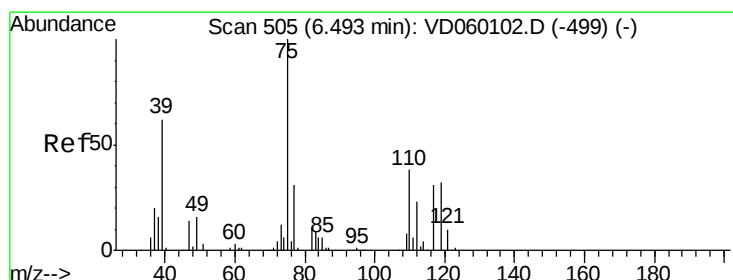
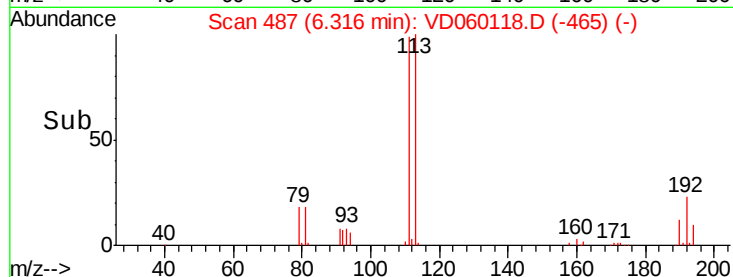
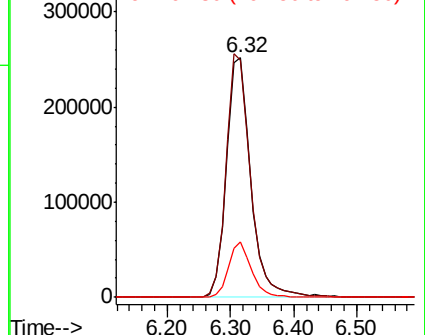
192 23.3 17.4 26.0



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: 5.094 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.10 min

Lab File: VD060118.D

Acq: 3 Oct 2018 15:10

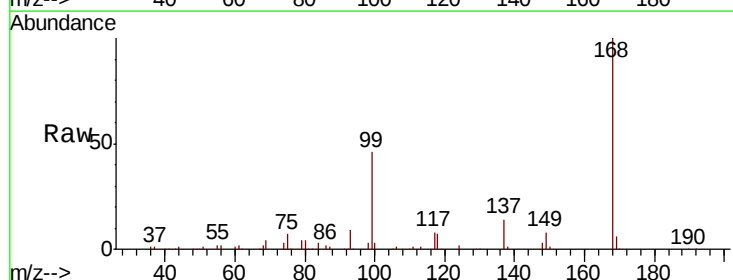
Tgt Ion: 75 Resp: 79118

Ion Ratio Lower Upper

75 100

110 6.4 19.0 57.0#

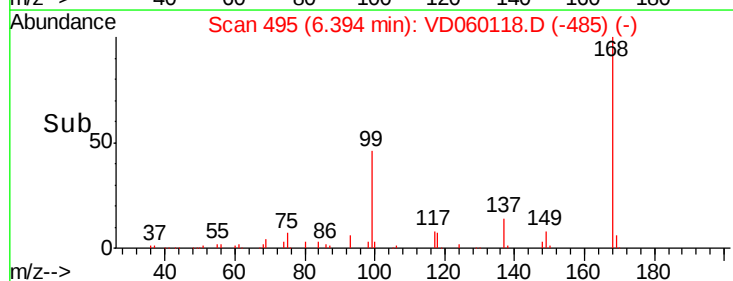
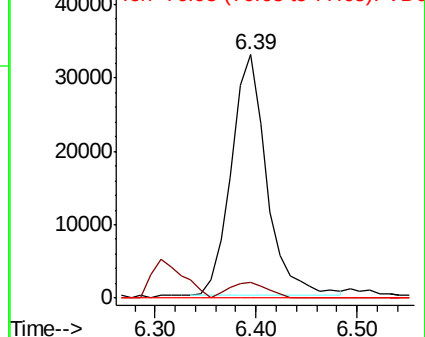
77 0.0 24.9 37.3#

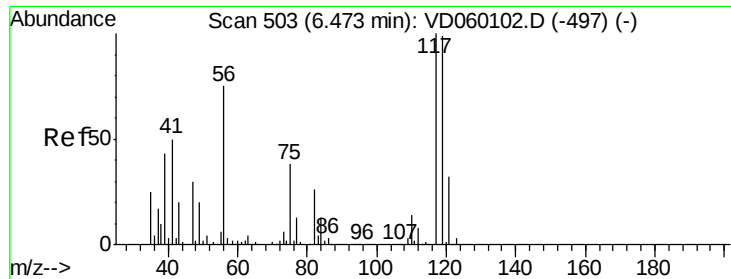


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

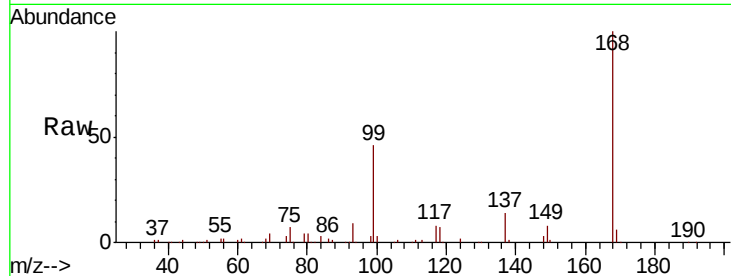




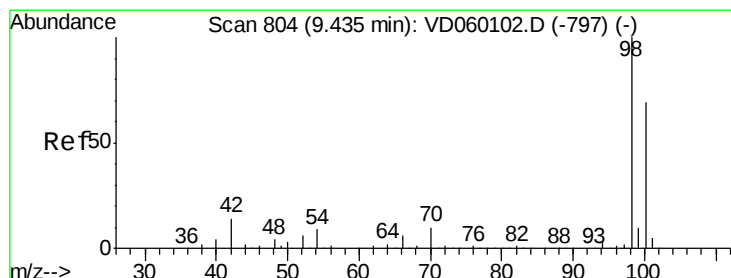
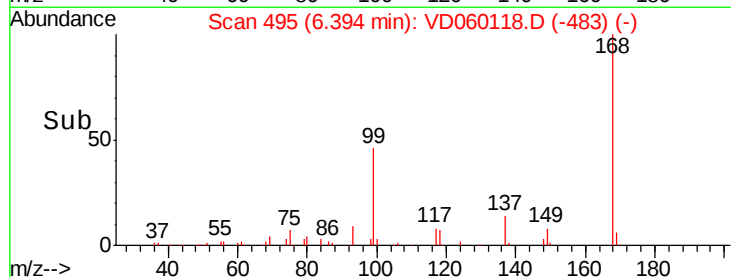
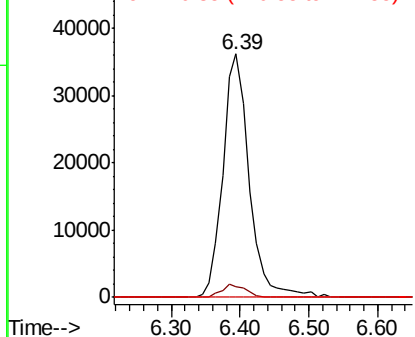
#38
Carbon Tetrachloride
Concen: 6.758 ug/l
RT: 6.39 min Scan# 495
Delta R.T. -0.08 min
Lab File: VD060118.D
Acq: 3 Oct 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-01-E10-F10-E10A-F10A

Tot Ion:117 Resp: 95269
Ion Ratio Lower Upper
117 100
119 4.5 77.8 116.6#
121 0.0 24.8 37.2#

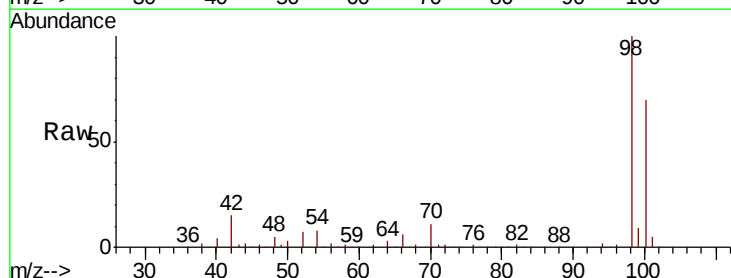


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

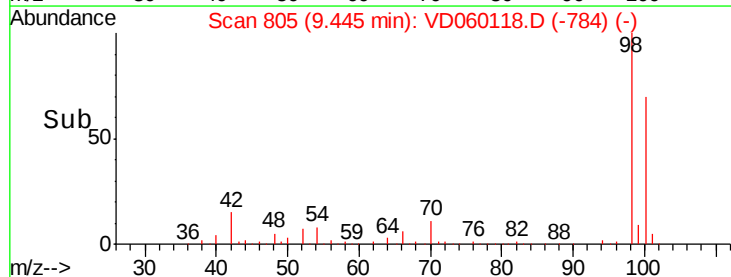
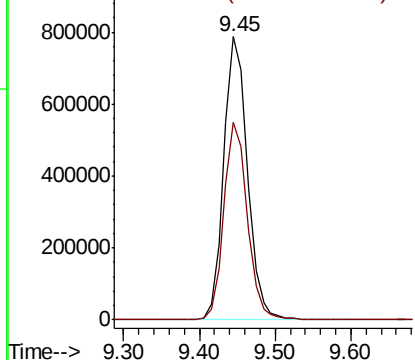


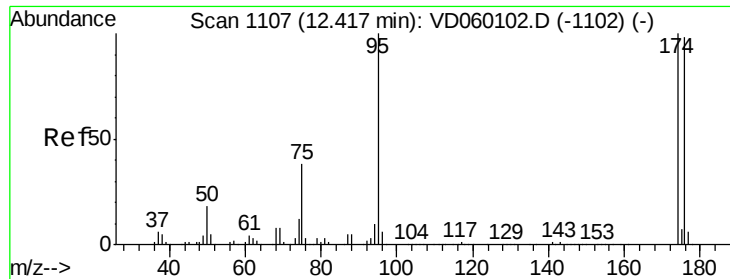
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.01 min
Lab File: VD060118.D
Acq: 3 Oct 2018 15:10

Tgt Ion: 98 Resp: 1712633
Ion Ratio Lower Upper
98 100
100 69.8 55.4 83.0



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

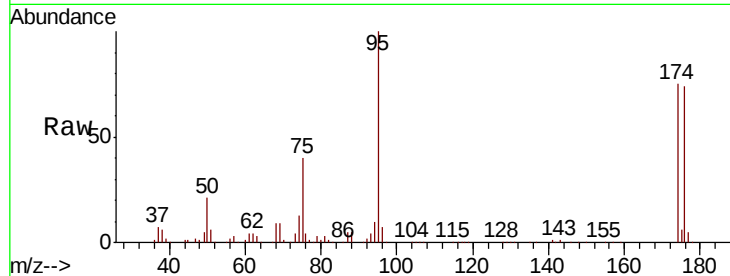




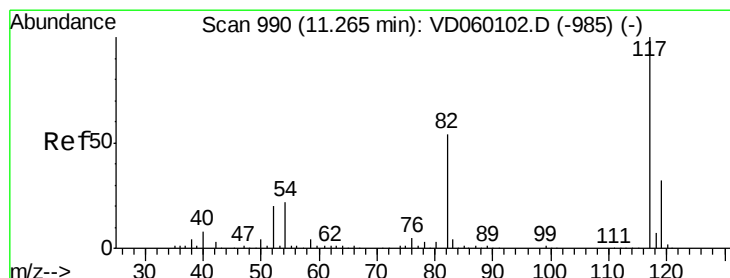
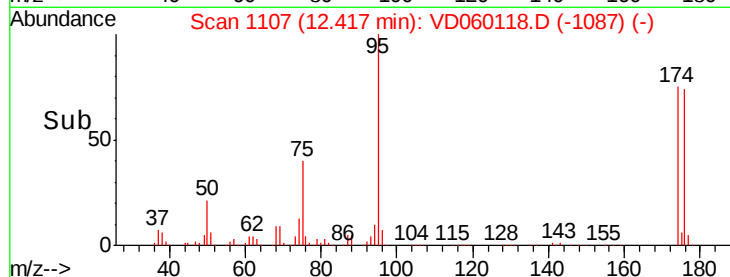
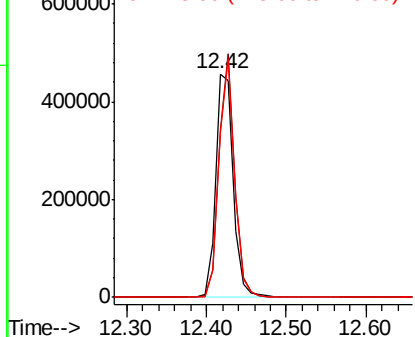
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.42 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD060118.D
Acq: 3 Oct 2018 15:10

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-01-E10-F10-E10A-F10A

Tot Ion: 95 Resp: 709439
Ion Ratio Lower Upper
95 100
174 75.5 0.0 200.2
176 74.2 0.0 195.6

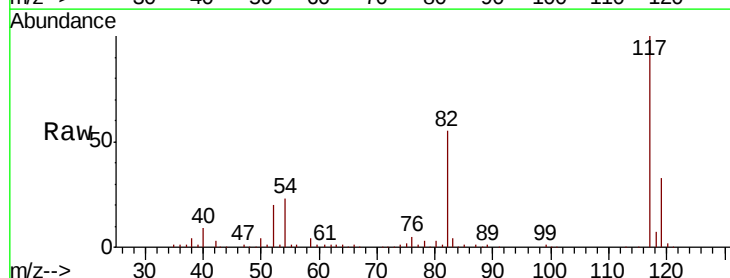


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

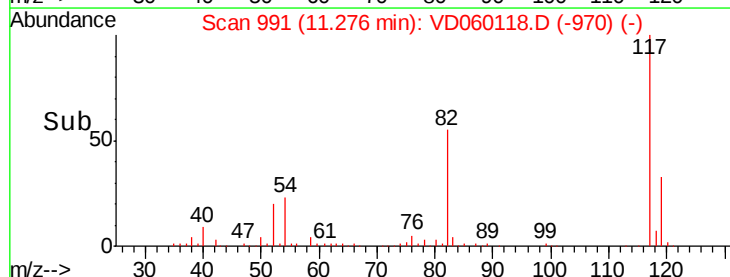
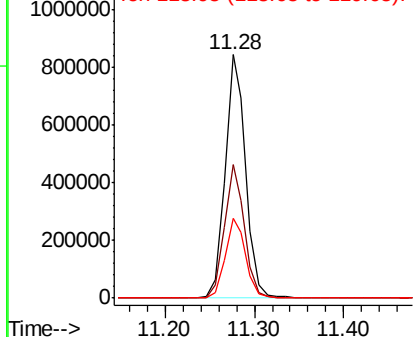


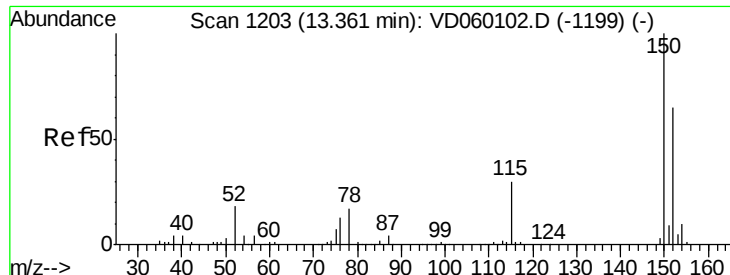
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. 0.01 min
Lab File: VD060118.D
Acq: 3 Oct 2018 15:10

Tgt Ion: 117 Resp: 1364184
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.2
119 32.9 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: 13.37 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060118.D

Acq: 3 Oct 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-E10-F10-E10A-F10A

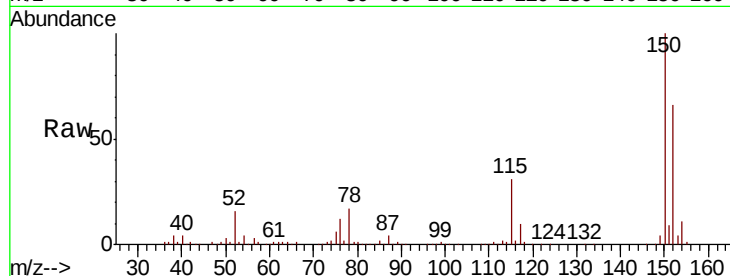
Tot Ion:152 Resp: 748119

Ion Ratio Lower Upper

152 100

115 47.3 27.1 81.2

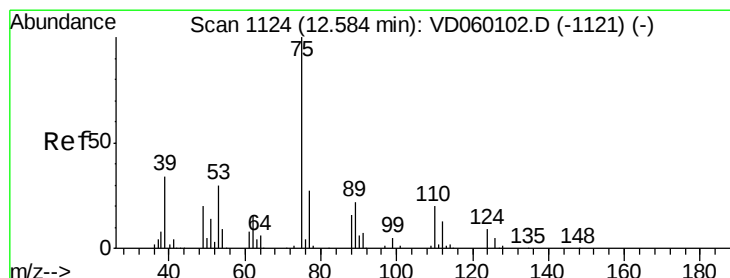
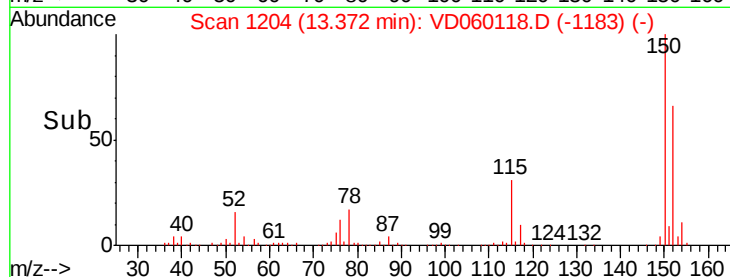
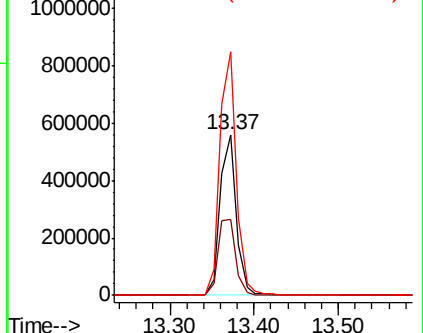
150 151.6 0.0 311.8



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: 22.727 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.17 min

Lab File: VD060118.D

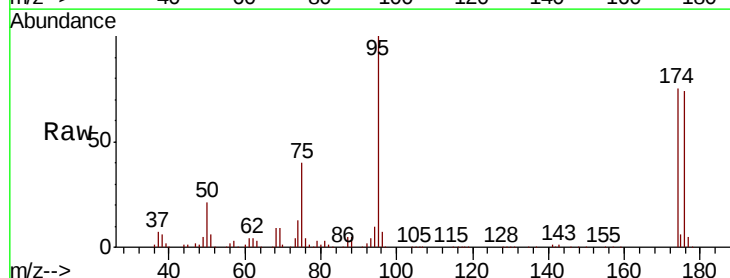
Acq: 3 Oct 2018 15:10

Tgt Ion: 75 Resp: 244854

Ion Ratio Lower Upper

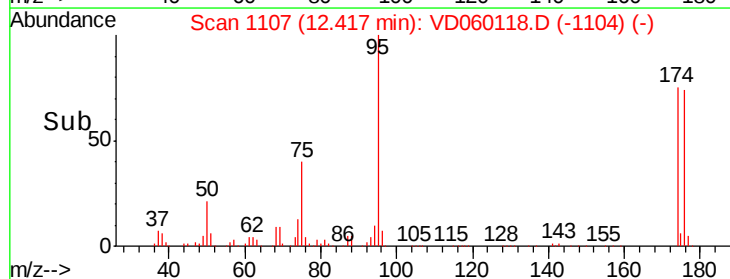
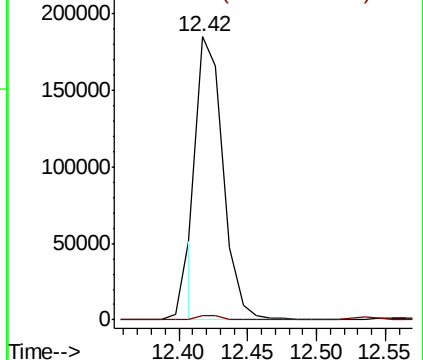
75 100

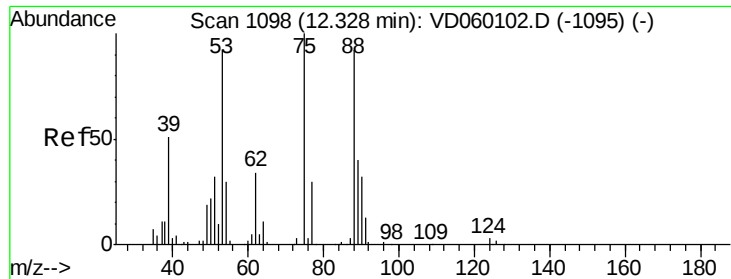
77 1.5 16.3 48.9#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 91.525 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060118.D

Acq: 3 Oct 2018 15:10

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-E10-F10-E10A-F10A

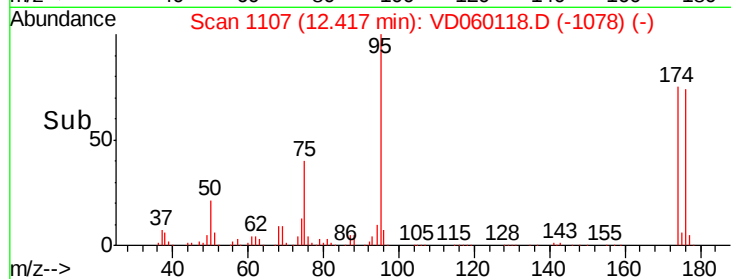
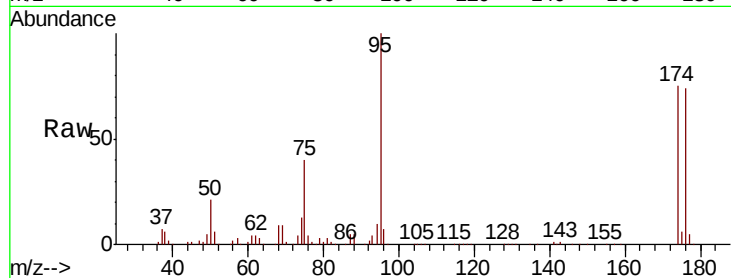
Tot Ion: 75 Resp: 277074

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

