

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100318\
 Data File : VD060119.D
 Acq On : 3 Oct 2018 15:38
 Operator : VA/AP
 Sample : J5242-02
 Misc : 9.85g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-01-E9-F9-E9A-F9A

Quant Time: Oct 04 10:47:58 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	438534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	703801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	708969	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	410647	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	334909	100.75	ug/l	0.00
Spiked Amount			Recovery	=	201.50%	
35) Dibromofluoromethane	6.31	113	340089	63.63	ug/l	0.01
Spiked Amount			Recovery	=	127.26%	
50) Toluene-d8	9.44	98	752740	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.42	95	390323	68.40	ug/l	0.00
Spiked Amount			Recovery	=	136.80%	

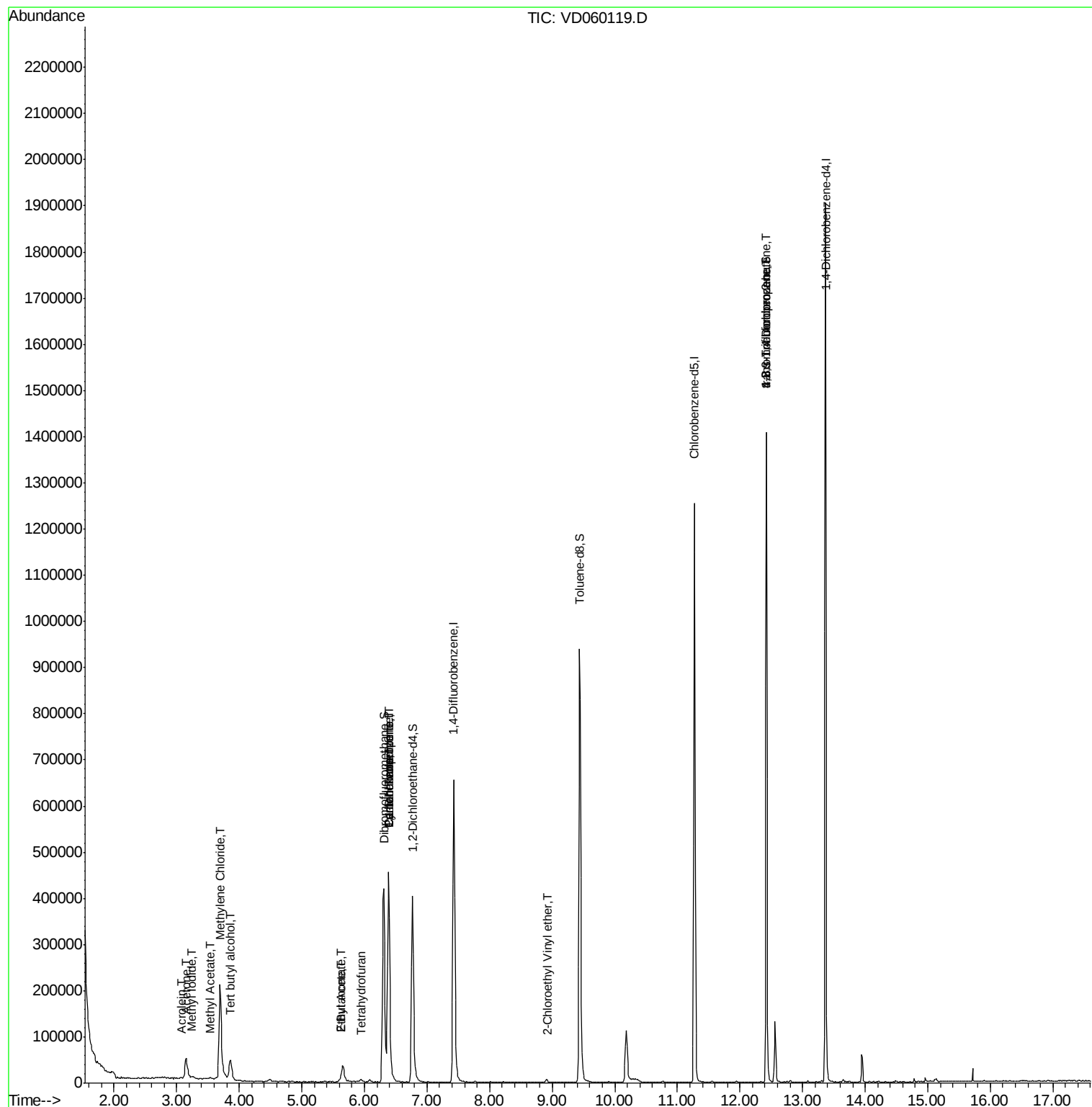
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.24	142	2476	1.028	ug/l #	34
11) Tert butyl alcohol	3.86	59	36222	151.936	ug/l #	83
13) Acrolein	3.06	56	181	1.232	ug/l #	58
16) Acetone	3.15	43	92540	153.420	ug/l	98
18) Methyl Acetate	3.55	43	6778	5.228	ug/l	94
20) Methylene Chloride	3.69	84	131400	25.575	ug/l	96
25) 2-Butanone	5.61	43	15380	10.206	ug/l #	87
29) Tetrahydrofuran	5.95	42	4575	5.227	ug/l #	89
31) Cyclohexane	6.39	56	7290	1.012	ug/l #	1
36) 1,1-Dichloropropene	6.39	75	31811	4.730	ug/l #	48
37) Ethyl Acetate	5.61	43	15380	3.445	ug/l #	71
38) Carbon Tetrachloride	6.39	117	35661	5.842	ug/l #	14
58) 2-Chloroethyl Vinyl ether	8.91	63	3084	1.358	ug/l	98
76) 1,2,3-Trichloropropane	12.42	75	145376	24.582	ug/l #	45
81) trans-1,4-Dichloro-2-buten	12.42	75	153938	92.638	ug/l #	13

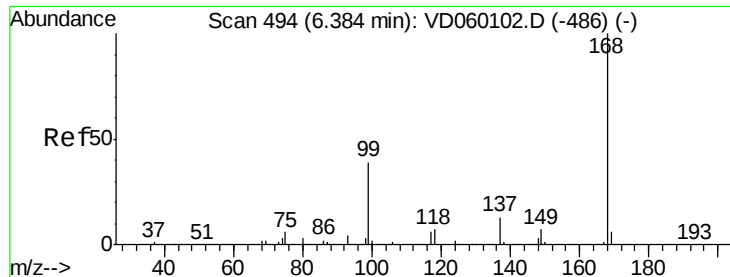
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100318\
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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# 494

Delta R.T. 0.00 min

Lab File: VD060119.D

Acq: 3 Oct 2018 15:38

Instrument :

MSVOA_D

ClientSampleId :

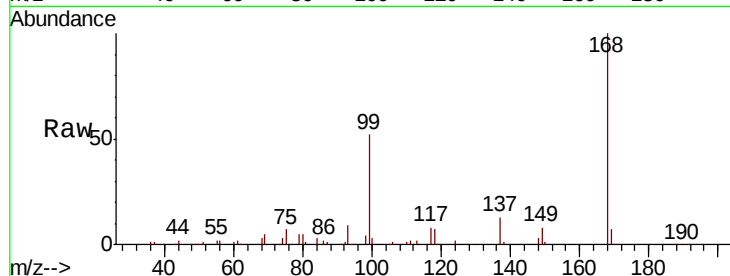
FK-BPM-01-E9-F9-E9A-F9A

Tot Ion:168 Resp: 438534

Ion Ratio Lower Upper

168 100

99 51.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

6.39

150000

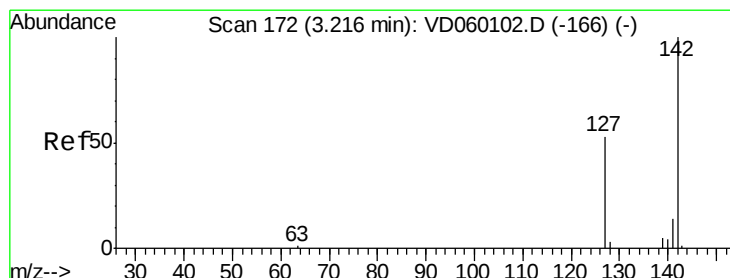
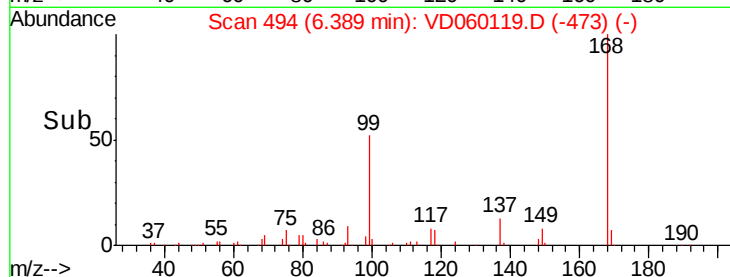
100000

50000

0

Time-->

6.30 6.40 6.50 6.60



#10

Methyl Iodide

Concen: 1.028 ug/l

RT: 3.24 min Scan# 174

Delta R.T. 0.02 min

Lab File: VD060119.D

Acq: 3 Oct 2018 15:38

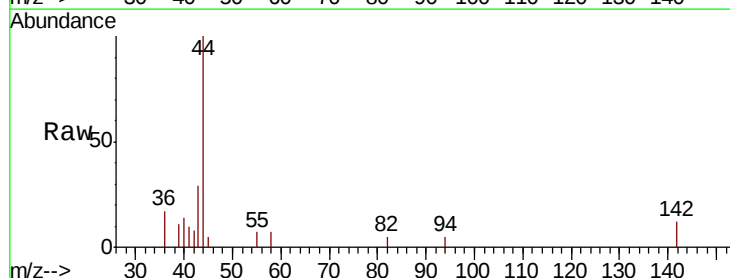
Tgt Ion:142 Resp: 2476

Ion Ratio Lower Upper

142 100

127 0.0 42.0 63.0#

141 0.0 11.4 17.0#



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.24

1000

800

600

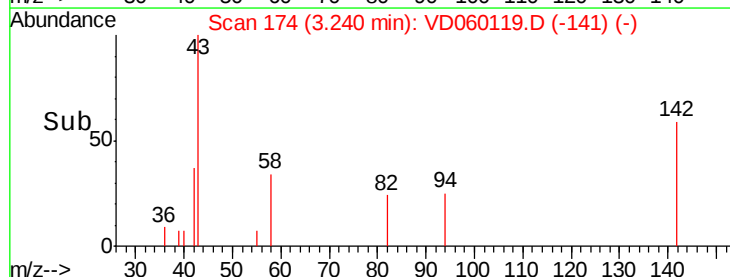
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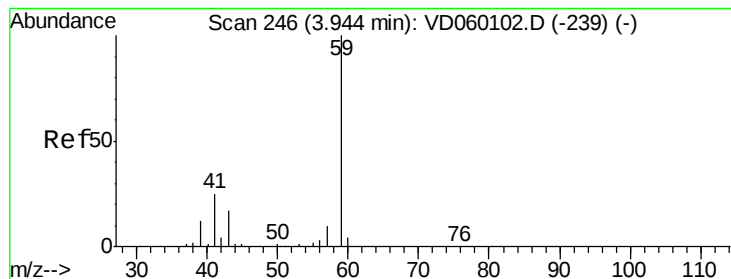
200

0

Time-->

3.15 3.20 3.25 3.30



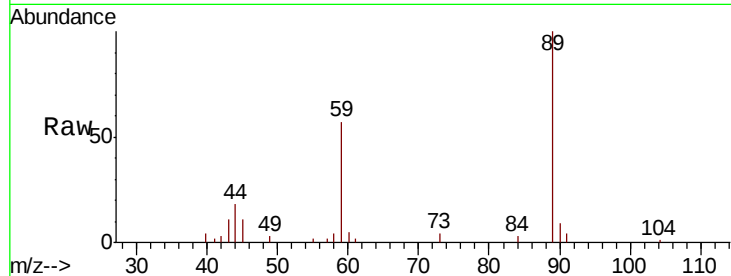


#11

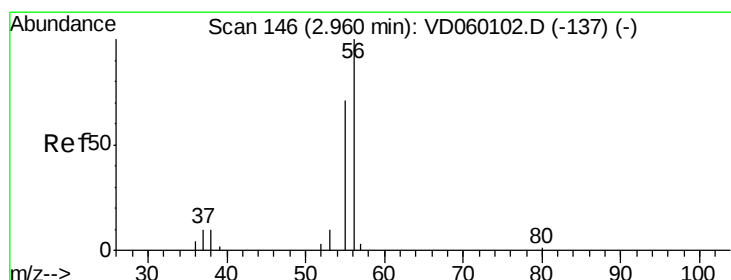
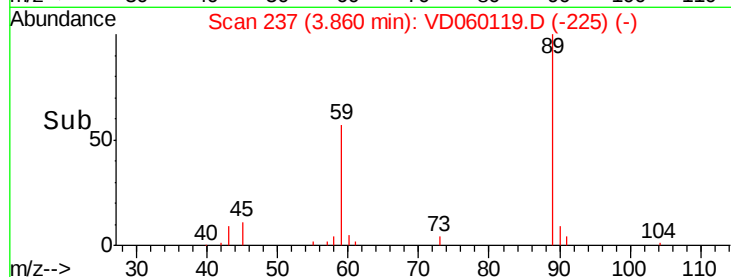
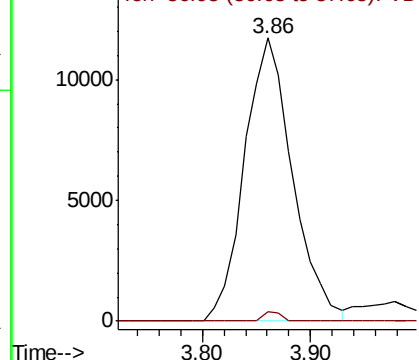
Tert butyl alcohol
 Concen: 151.936 ug/l
 RT: 3.86 min Scan# 237
 Delta R.T. -0.08 min
 Lab File: VD060119.D
 Acq: 3 Oct 2018 15:38

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-01-E9-F9-E9A-F9A

Tot Ion: 59 Resp: 36222
 Ion Ratio Lower Upper
 59 100
 57 3.6 7.8 11.6#



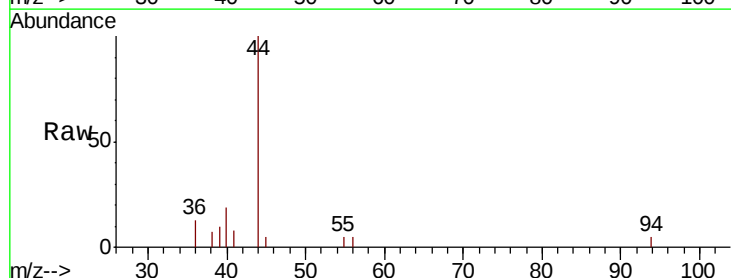
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



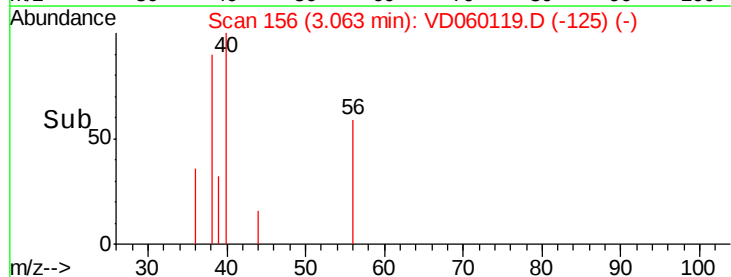
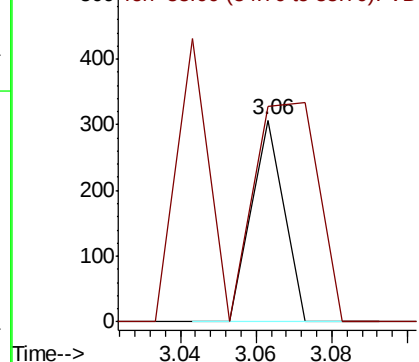
#13

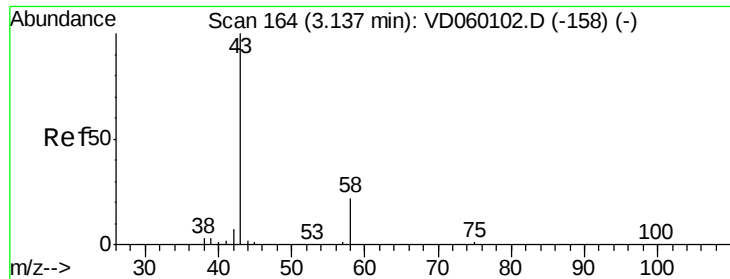
Acrolein
 Concen: 1.232 ug/l
 RT: 3.06 min Scan# 156
 Delta R.T. 0.10 min
 Lab File: VD060119.D
 Acq: 3 Oct 2018 15:38

Tgt Ion: 56 Resp: 181
 Ion Ratio Lower Upper
 56 100
 55 106.8 57.4 86.2#



Abundance Ion 55.95 (55.65 to 56.65): VDC
 Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 153.420 ug/l

RT: 3.15 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060119.D

Acq: 3 Oct 2018 15:38

Instrument :

MSVOA_D

ClientSampleId :

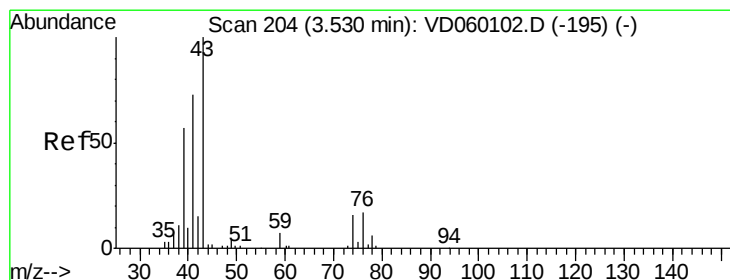
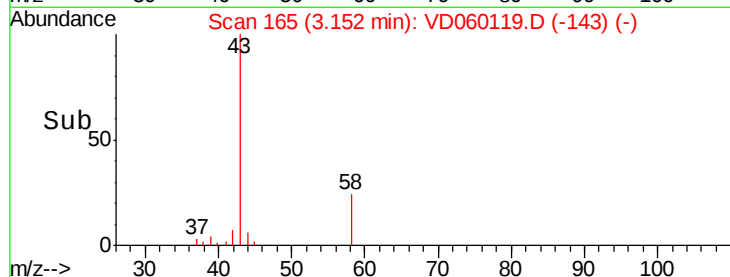
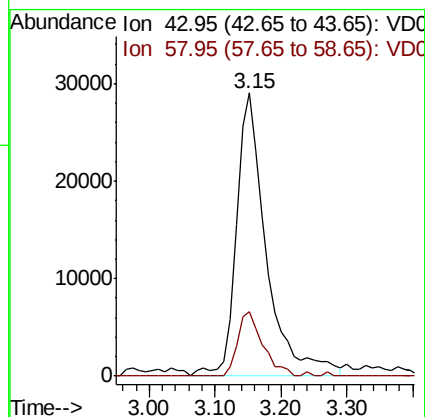
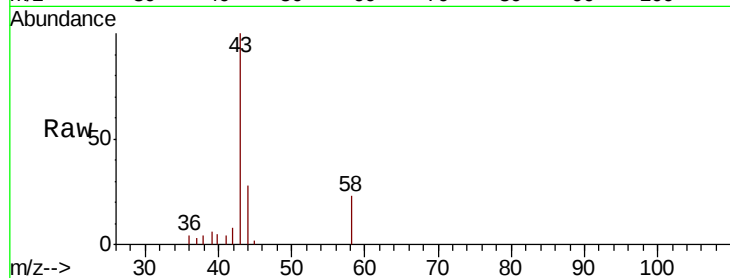
FK-BPM-01-E9-F9-E9A-F9A

Tot Ion: 43 Resp: 92540

Ion Ratio Lower Upper

43 100

58 23.0 17.7 26.5



#18

Methyl Acetate

Concen: 5.228 ug/l

RT: 3.55 min Scan# 205

Delta R.T. 0.01 min

Lab File: VD060119.D

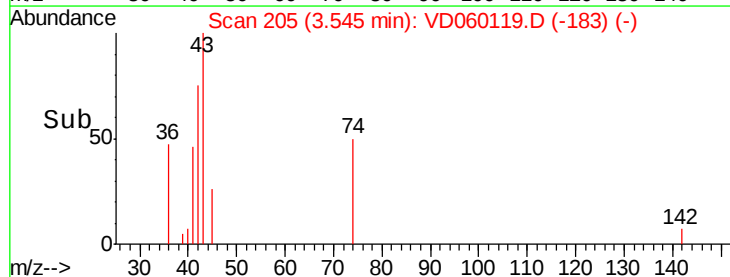
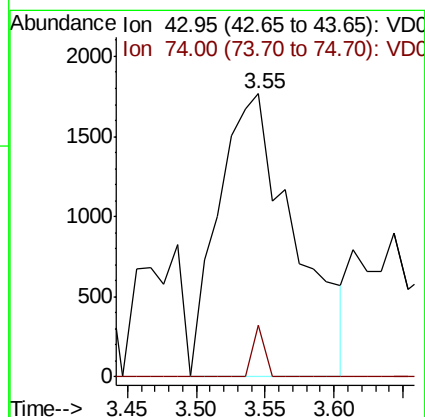
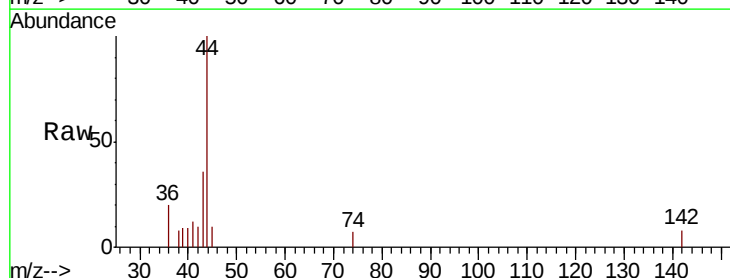
Acq: 3 Oct 2018 15:38

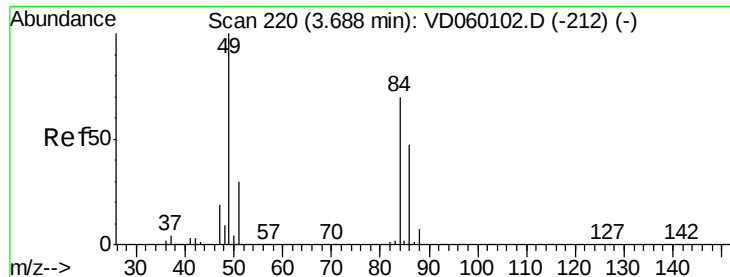
Tgt Ion: 43 Resp: 6778

Ion Ratio Lower Upper

43 100

74 18.4 12.6 19.0

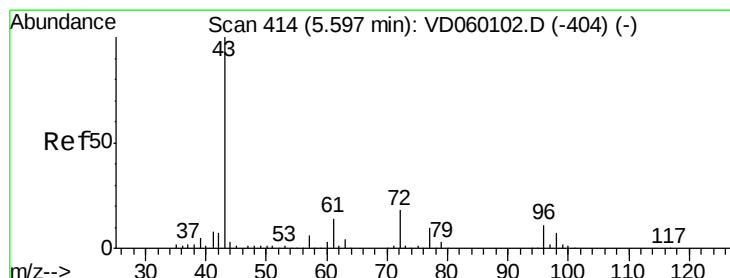
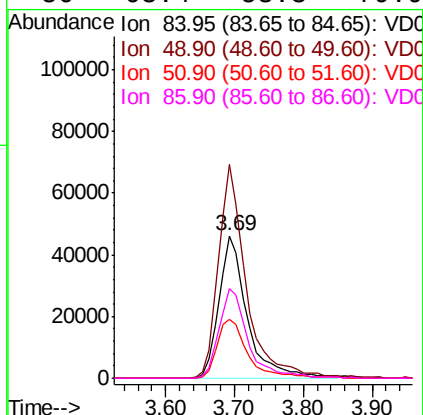
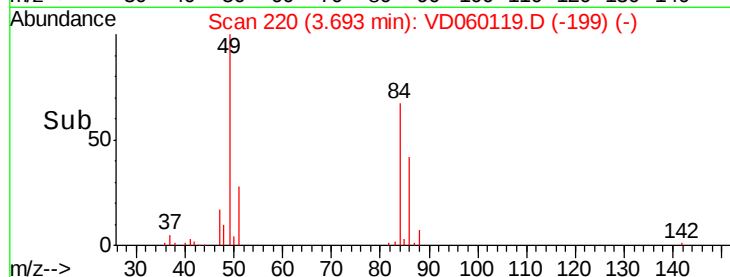
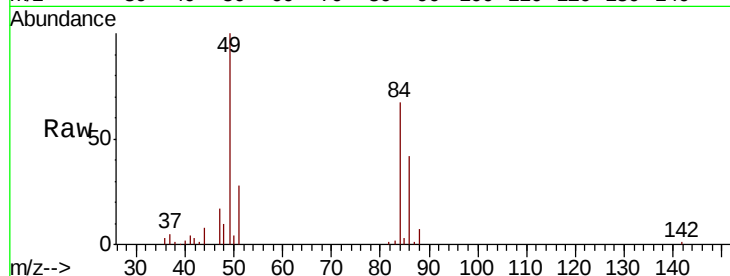




#20
Methvlene Chloride
Concen: 25.575 ug/l
RT: 3.69 min Scan# 220
Delta R.T. 0.01 min
Lab File: VD060119.D
Acq: 3 Oct 2018 15:38

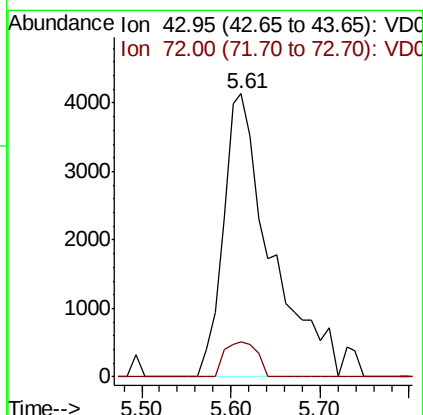
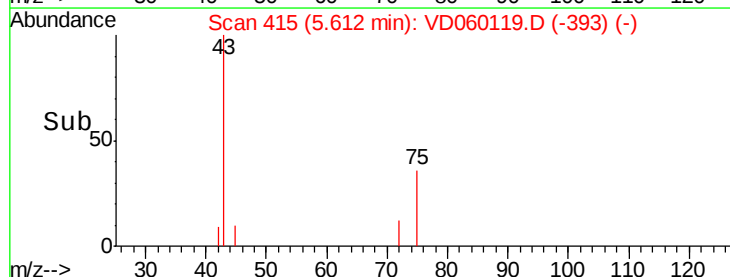
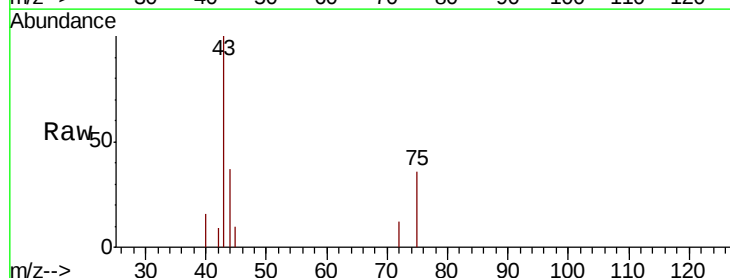
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-01-E9-F9-E9A-F9A

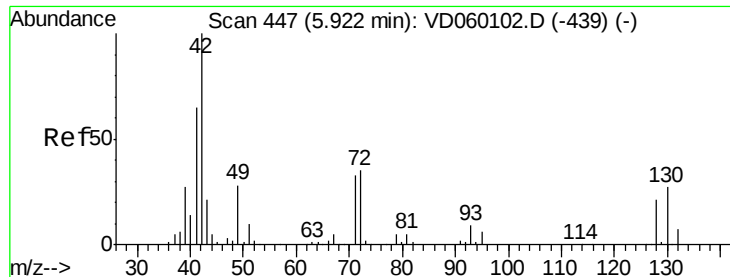
Tot Ion: 84 Resp: 131400
Ion Ratio Lower Upper
84 100
49 150.0 114.6 172.0
51 41.7 33.8 50.8
86 63.4 53.3 79.9



#25
2-Butanone
Concen: 10.206 ug/l
RT: 5.61 min Scan# 415
Delta R.T. 0.01 min
Lab File: VD060119.D
Acq: 3 Oct 2018 15:38

Tgt Ion: 43 Resp: 15380
Ion Ratio Lower Upper
43 100
72 12.5 14.5 21.7#





#29

Tetrahydrofuran

Concen: 5.227 ug/l

RT: 5.95 min Scan# 449

Delta R.T. 0.02 min

Lab File: VD060119.D

Acq: 3 Oct 2018 15:38

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-E9-F9-E9A-F9A

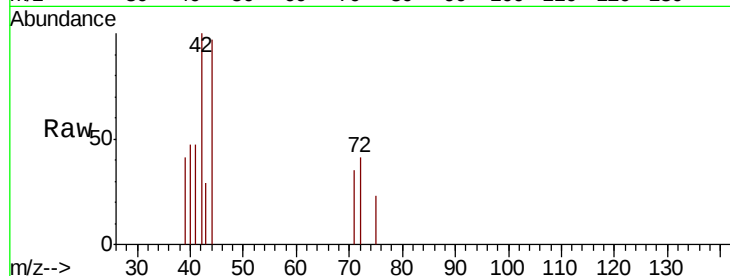
Tot Ion: 42 Resp: 4575

Ion Ratio Lower Upper

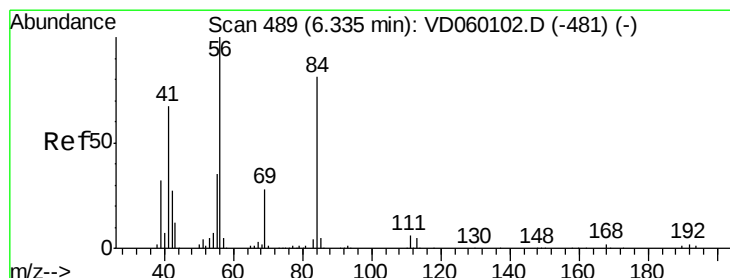
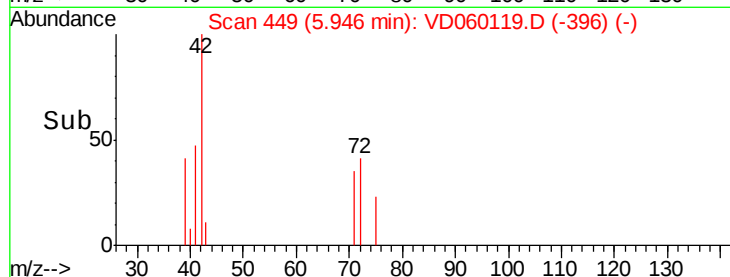
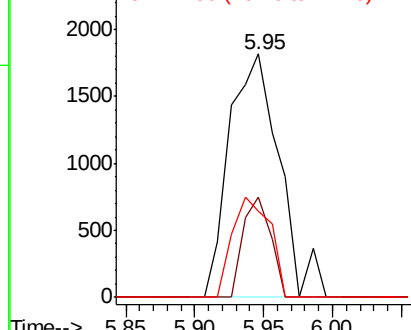
42 100

72 23.0 26.9 40.3#

71 31.2 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: 1.012 ug/l

RT: 6.39 min Scan# 494

Delta R.T. 0.05 min

Lab File: VD060119.D

Acq: 3 Oct 2018 15:38

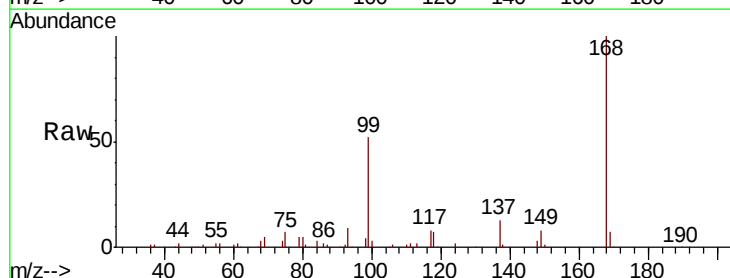
Tgt Ion: 56 Resp: 7290

Ion Ratio Lower Upper

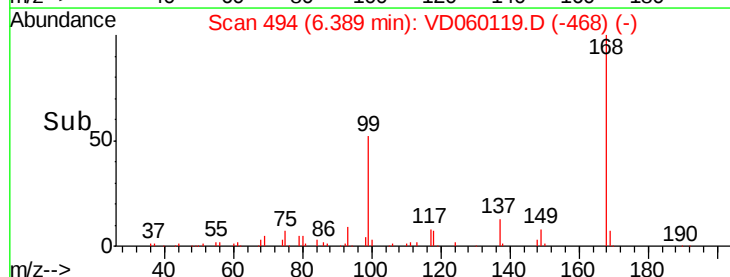
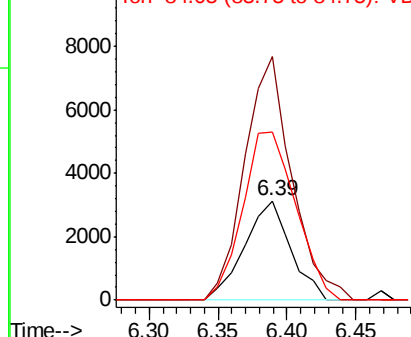
56 100

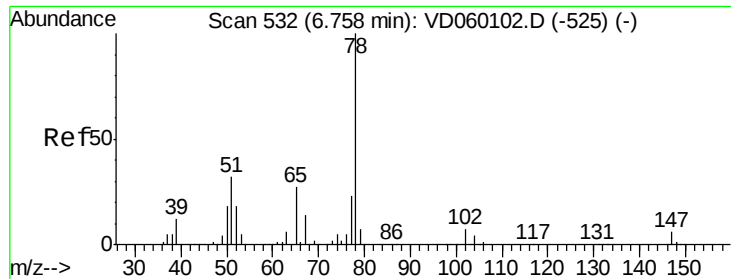
69 244.7 22.8 34.2#

84 168.8 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: 6.76 min Scan# 532

Delta R.T. 0.00 min

Lab File: VD060119.D

Acq: 3 Oct 2018 15:38

Instrument :

MSVOA_D

ClientSampleId :

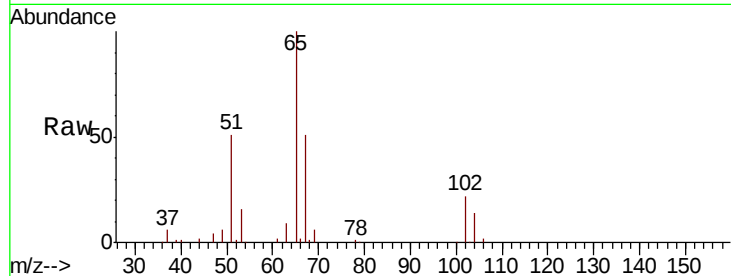
FK-BPM-01-E9-F9-E9A-F9A

Tot Ion: 65 Resp: 334909

Ion Ratio Lower Upper

65 100

67 51.4 0.0 106.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.76

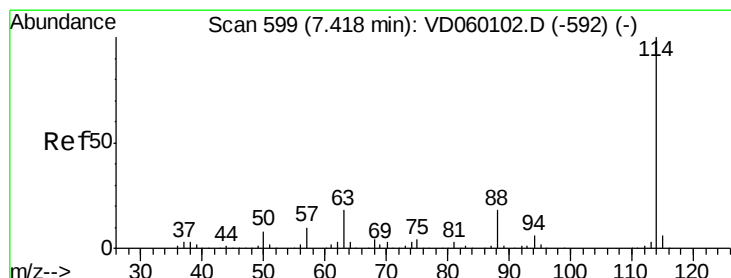
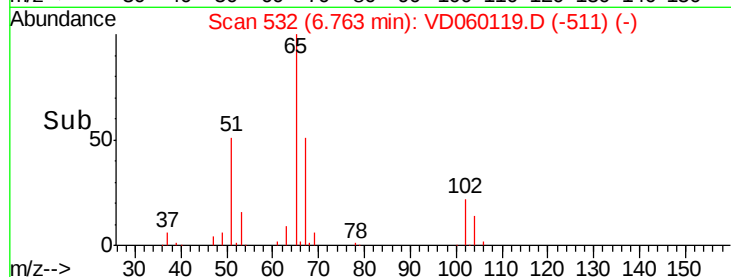
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. 0.00 min

Lab File: VD060119.D

Acq: 3 Oct 2018 15:38

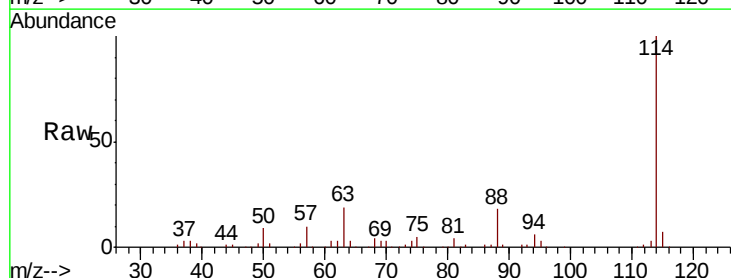
Tgt Ion: 114 Resp: 703801

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.0

88 18.0 0.0 36.2



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

7.42

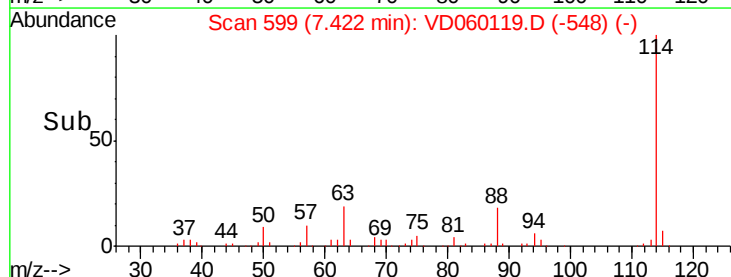
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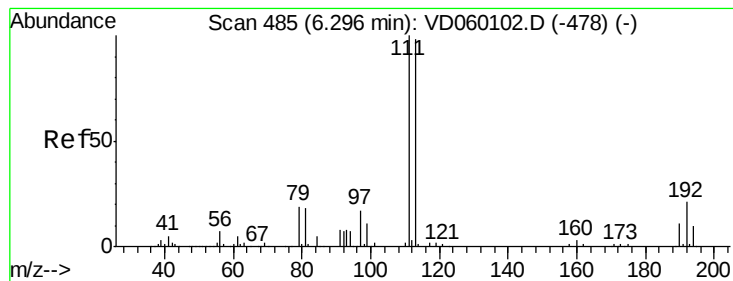
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD060119.D

Acq: 3 Oct 2018 15:38

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-E9-F9-E9A-F9A

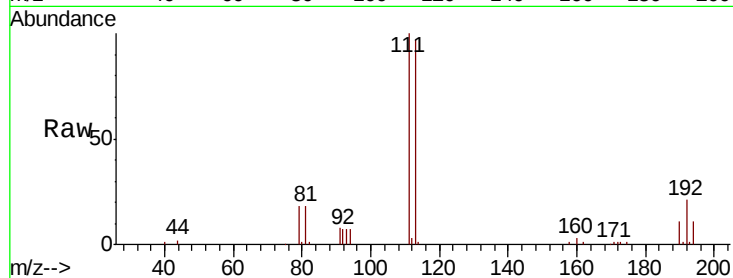
Tot Ion:113 Resp: 340089

Ion Ratio Lower Upper

113 100

111 103.6 81.5 122.3

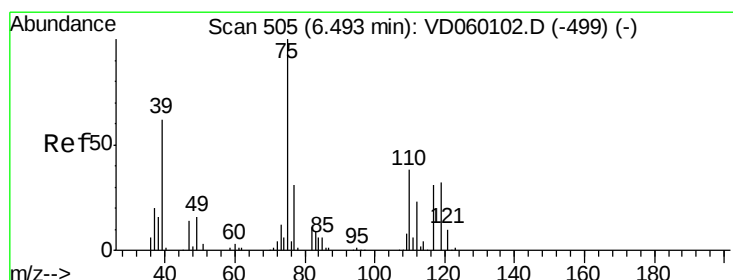
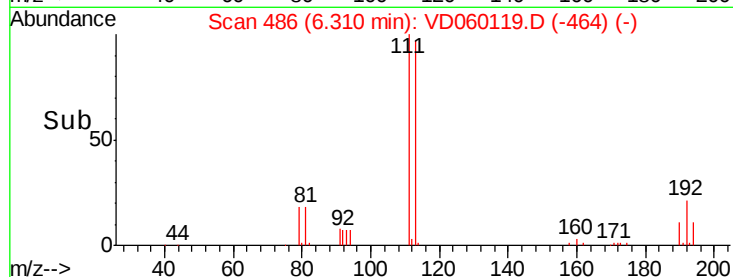
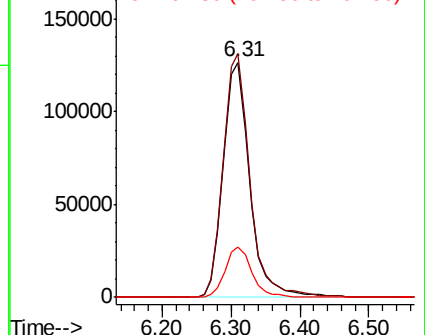
192 21.6 17.4 26.0



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: 4.730 ug/l

RT: 6.39 min Scan# 494

Delta R.T. -0.10 min

Lab File: VD060119.D

Acq: 3 Oct 2018 15:38

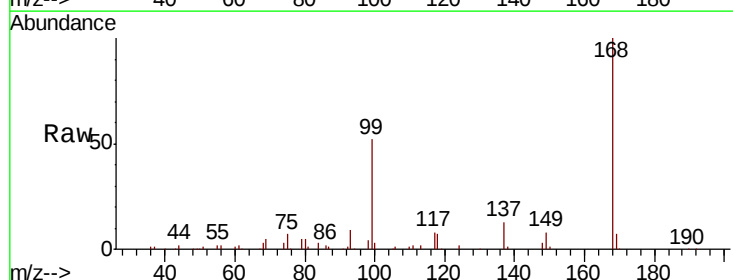
Tgt Ion: 75 Resp: 31811

Ion Ratio Lower Upper

75 100

110 8.9 19.0 57.0#

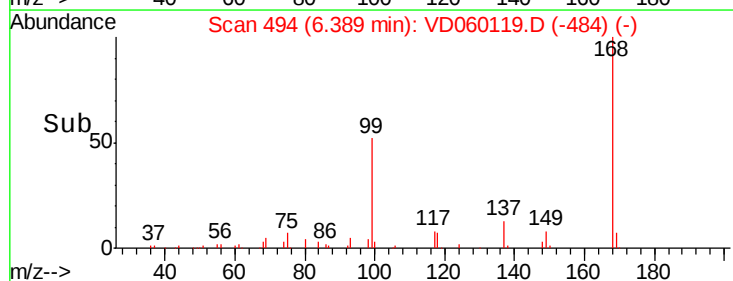
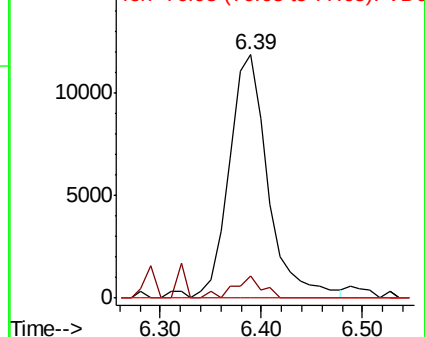
77 0.0 24.9 37.3#

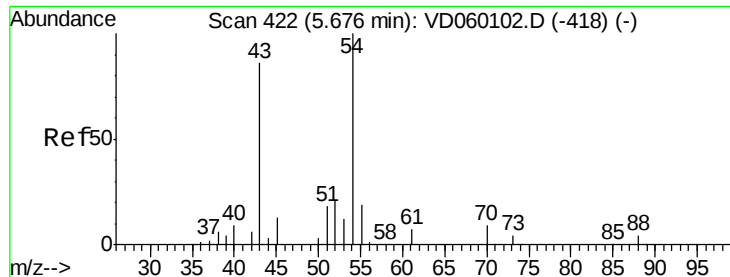


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

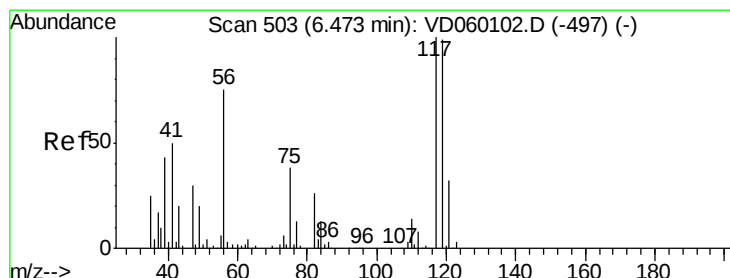
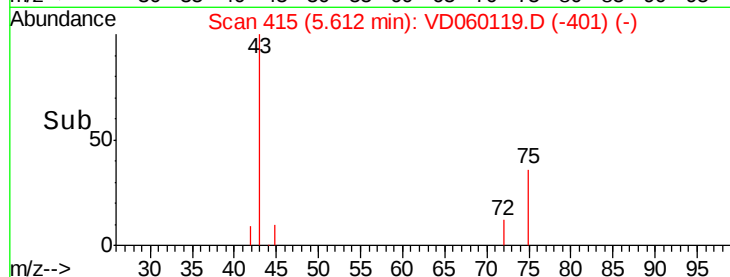
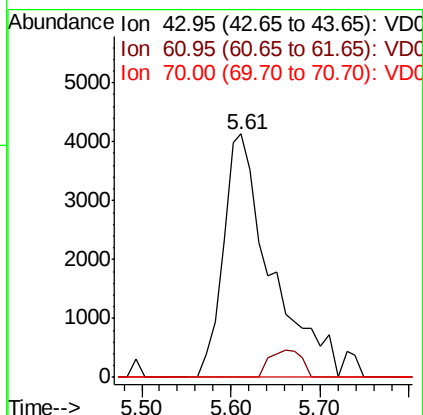
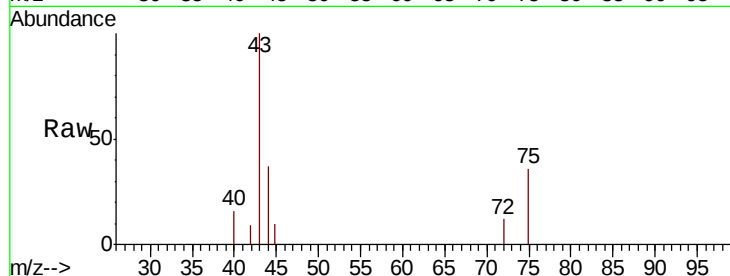




#37
Ethyl Acetate
Concen: 3.445 ug/l
RT: 5.61 min Scan# 415
Delta R.T. -0.06 min
Lab File: VD060119.D
Acq: 3 Oct 2018 15:38

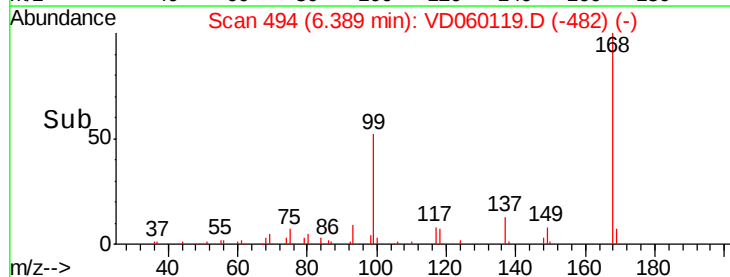
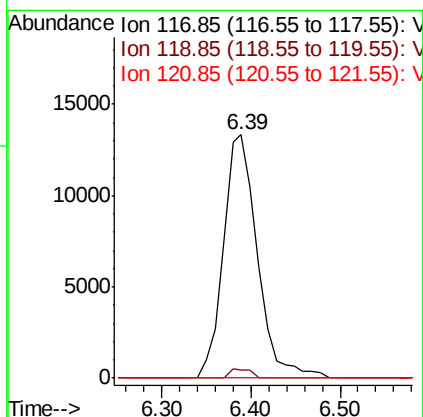
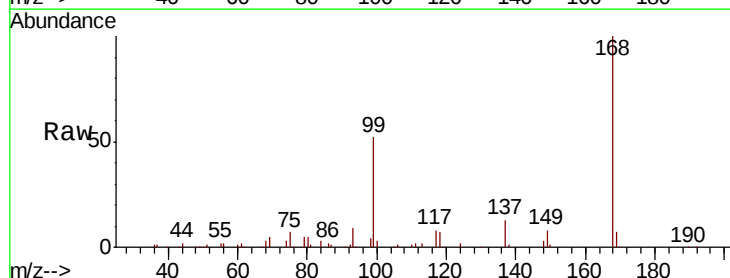
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-01-E9-F9-E9A-F9A

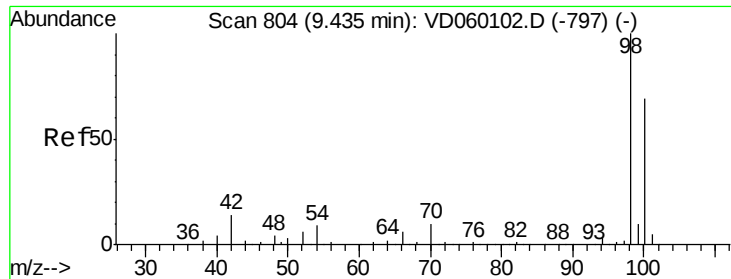
Tot Ion: 43 Resp: 15380
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 6.3 9.5#



#38
Carbon Tetrachloride
Concen: 5.842 ug/l
RT: 6.39 min Scan# 494
Delta R.T. -0.08 min
Lab File: VD060119.D
Acq: 3 Oct 2018 15:38

Tgt Ion: 117 Resp: 35661
Ion Ratio Lower Upper
117 100
119 3.5 77.8 116.6#
121 0.0 24.8 37.2#

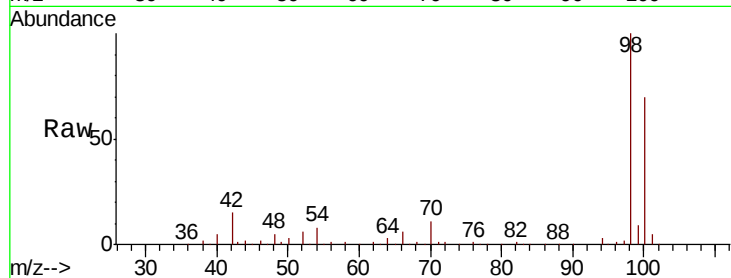




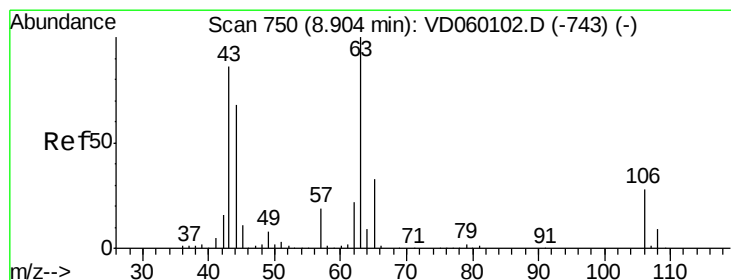
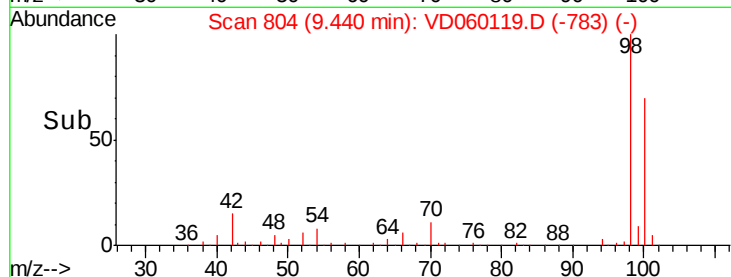
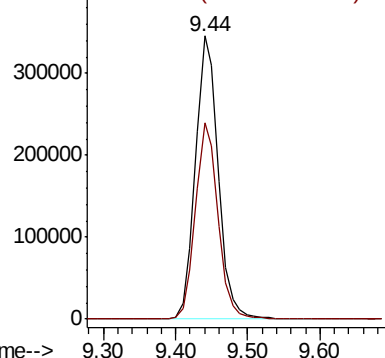
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 804
Delta R.T. 0.00 min
Lab File: VD060119.D
Acq: 3 Oct 2018 15:38

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-01-E9-F9-E9A-F9A

Tot Ion: 98 Resp: 752740
Ion Ratio Lower Upper
98 100
100 69.6 55.4 83.0

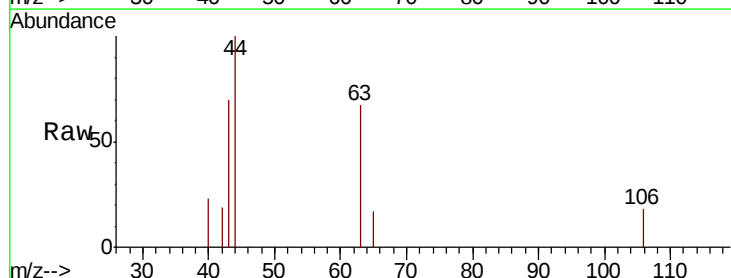


Abundance Ion 98.05 (97.75 to 98.75): VD060102.D (-797) (-)
Ion 100.05 (99.75 to 100.75): VD060102.D (-797) (-)

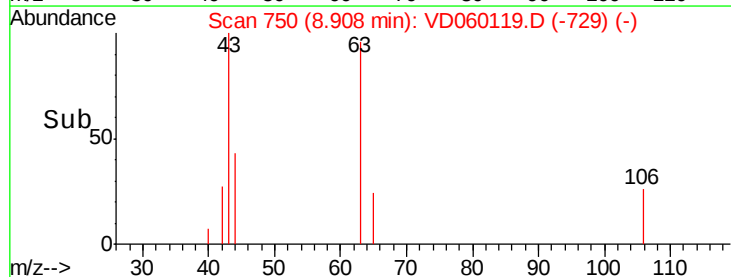
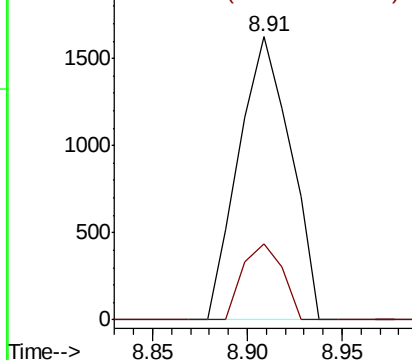


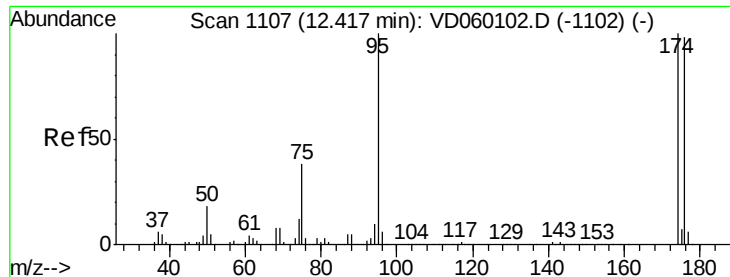
#58
2-Chloroethyl Vinyl ether
Concen: 1.358 ug/l
RT: 8.91 min Scan# 750
Delta R.T. 0.00 min
Lab File: VD060119.D
Acq: 3 Oct 2018 15:38

Tgt Ion: 63 Resp: 3084
Ion Ratio Lower Upper
63 100
106 27.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VD060102.D (-743) (-)
Ion 105.95 (105.65 to 106.65): VD060102.D (-743) (-)





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060119.D

Acq: 3 Oct 2018 15:38

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-E9-F9-E9A-F9A

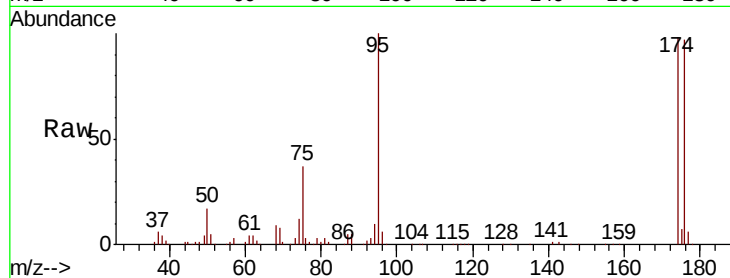
Tot Ion: 95 Resp: 390323

Ion Ratio Lower Upper

95 100

174 98.3 0.0 200.2

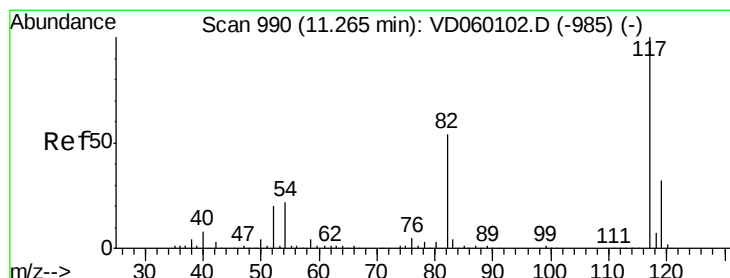
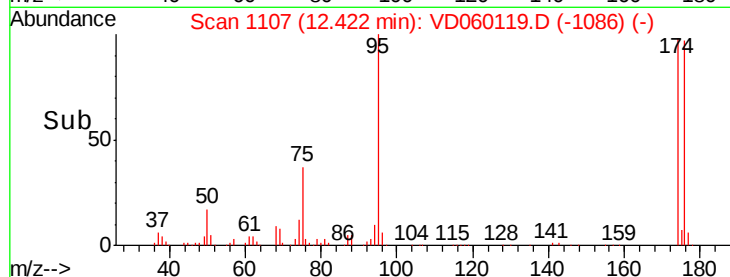
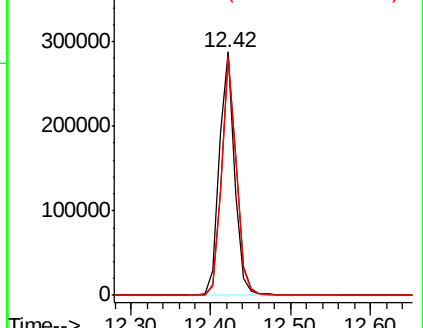
176 97.2 0.0 195.6



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: VD060119.D

Acq: 3 Oct 2018 15:38

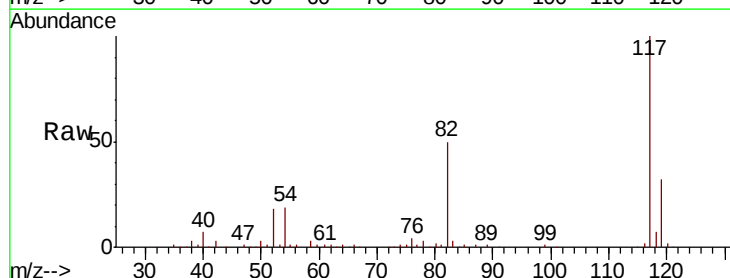
Tgt Ion: 117 Resp: 708969

Ion Ratio Lower Upper

117 100

82 50.1 43.4 65.2

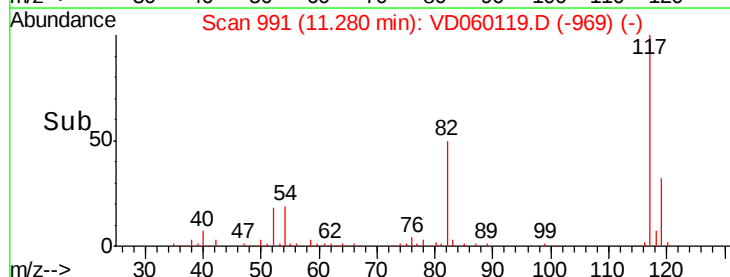
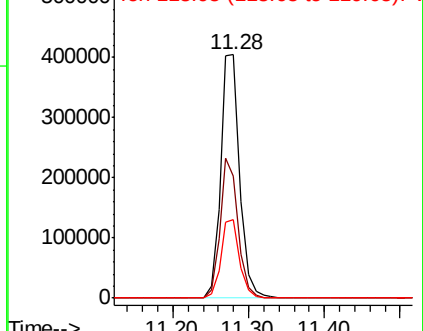
119 32.1 26.0 39.0

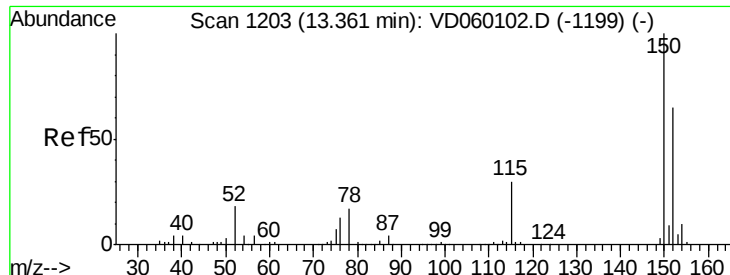


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1203

Delta R.T. 0.00 min

Lab File: VD060119.D

Acq: 3 Oct 2018 15:38

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-E9-F9-E9A-F9A

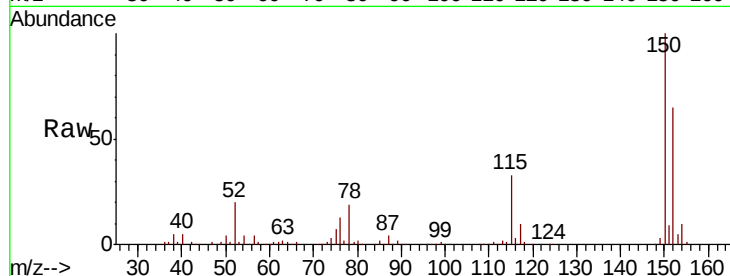
Tot Ion:152 Resp: 410647

Ion Ratio Lower Upper

152 100

115 51.5 27.1 81.2

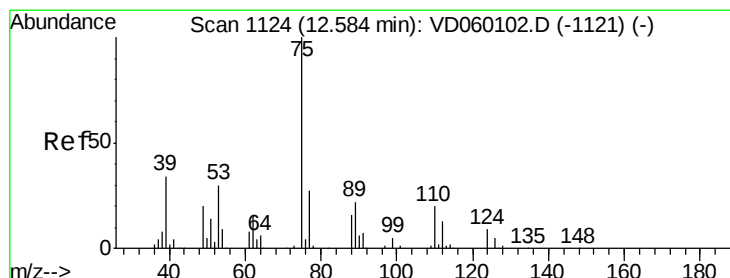
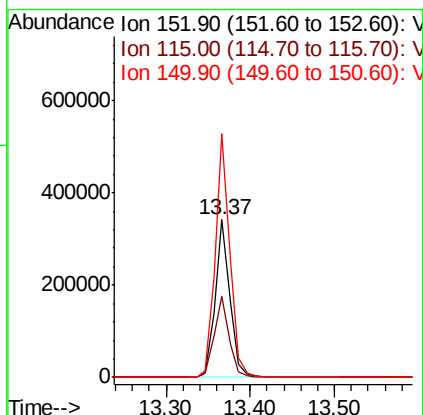
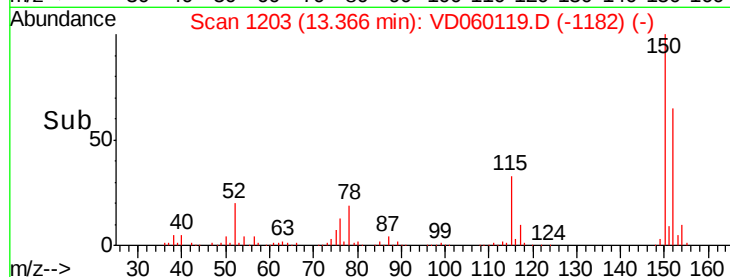
150 154.4 0.0 311.8



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: 24.582 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.16 min

Lab File: VD060119.D

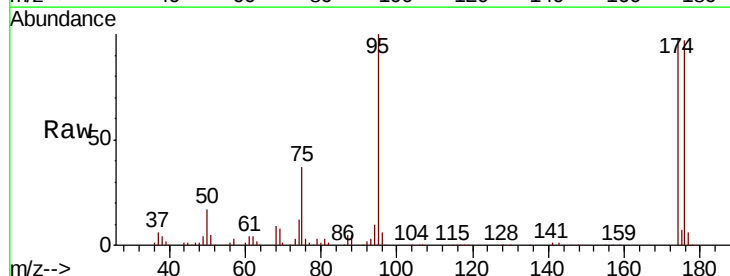
Acq: 3 Oct 2018 15:38

Tgt Ion: 75 Resp: 145376

Ion Ratio Lower Upper

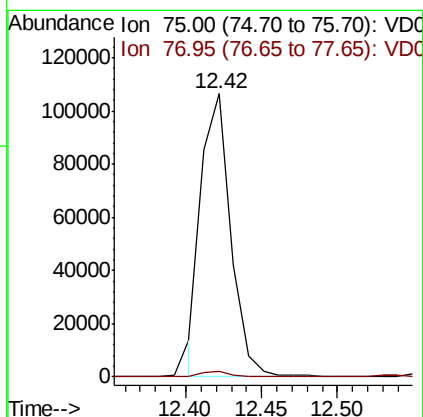
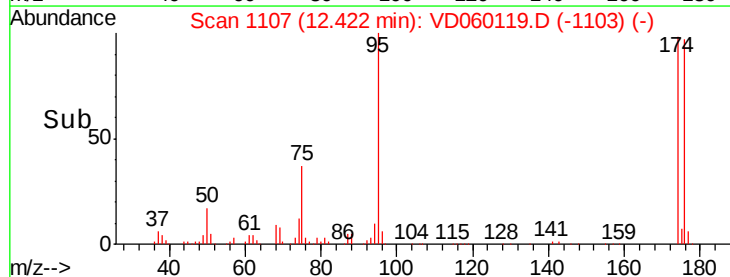
75 100

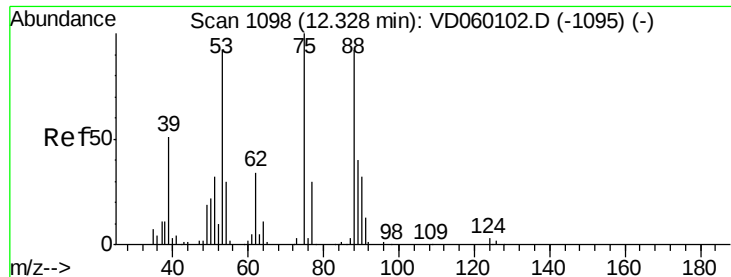
77 1.8 16.3 48.9#



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: 92.638 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.09 min

Lab File: VD060119.D

Acq: 3 Oct 2018 15:38

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-01-E9-F9-E9A-F9A

Tot Ion: 75 Resp: 153938

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.6#

89 0.0 32.0 48.0#

