

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060927.D
 Acq On : 4 Mar 2019 16:55
 Operator : VA/AP
 Sample : K1671-02RE
 Misc : 5.15g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FK-BPM-04-002-ABCDRE

Quant Time: Mar 05 01:33:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

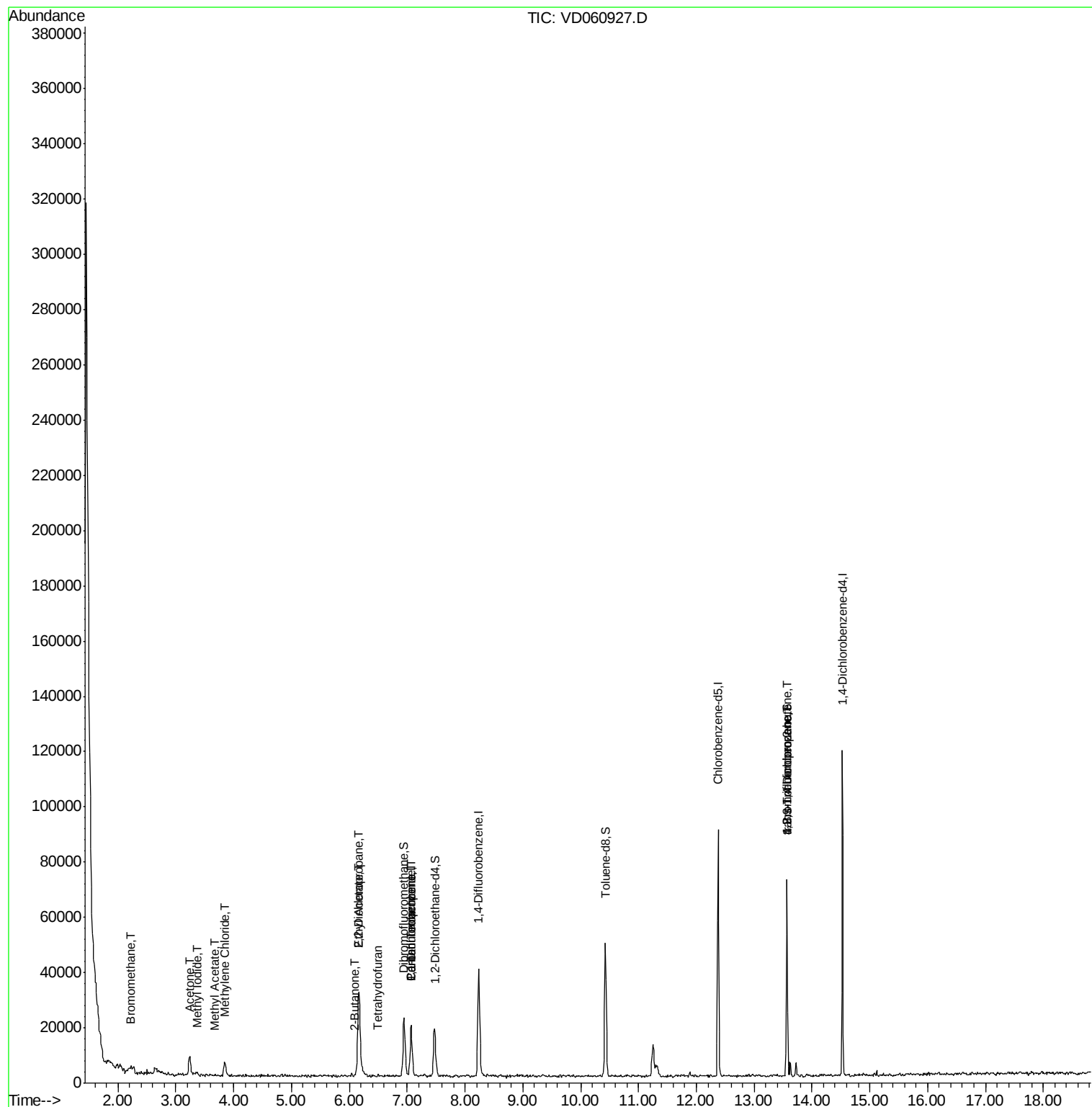
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	23463	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	51676	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	56843	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	27242	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	16386	84.48	ug/l	0.03
Spiked Amount 50.000			Recovery	=	168.96%	
35) Dibromofluoromethane	6.94	113	22272	53.76	ug/l	0.03
Spiked Amount 50.000			Recovery	=	107.52%	
50) Toluene-d8	10.43	98	46985	45.58	ug/l	0.03
Spiked Amount 50.000			Recovery	=	91.16%	
62) 4-Bromofluorobenzene	13.57	95	22923	58.84	ug/l	0.02
Spiked Amount 50.000			Recovery	=	117.68%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.21	94	1122	32.589	ug/l #	13
10) Methyl Iodide	3.37	142	2564	9.823	ug/l #	91
16) Acetone	3.24	43	13982	215.895	ug/l	100
18) Methyl Acetate	3.66	43	199	1.501	ug/l #	56
20) Methylene Chloride	3.84	84	3284	7.605	ug/l	94
25) 2-Butanone	6.10	43	382	4.755	ug/l #	55
26) 2,2-Dichloropropane	6.17	77	1609	4.356	ug/l #	48
29) Tetrahydrofuran	6.50	42	188	4.546	ug/l #	34
36) 1,1-Dichloropropene	7.06	75	1495	3.147	ug/l #	39
37) Ethyl Acetate	6.17	43	1732	7.091	ug/l #	2
38) Carbon Tetrachloride	7.06	117	1592	3.119	ug/l #	12
76) 1,2,3-Trichloropropane	13.57	75	6663	15.095	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.57	75	7321	56.043	ug/l #	20
89) n-Butylbenzene	14.81	91	198	Below Cal	#	29

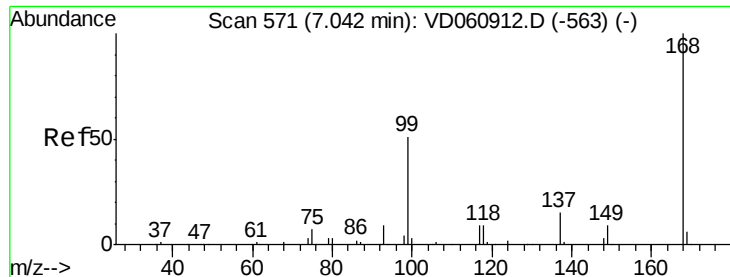
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 02 01:28:28 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD060927.D

Acq: 4 Mar 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

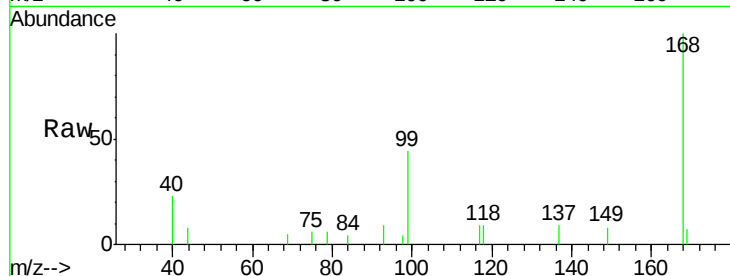
FK-BPM-04-002-ABCDRE

Tot Ion:168 Resp: 23463

Ion Ratio Lower Upper

168 100

99 43.8 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

8000

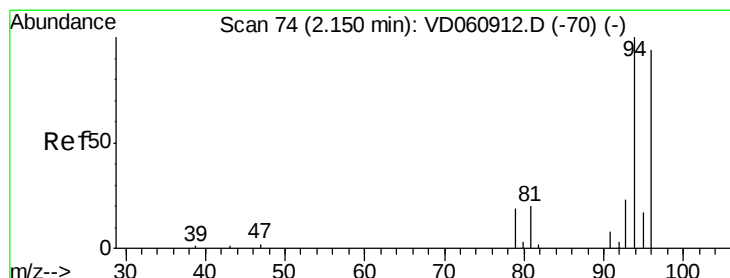
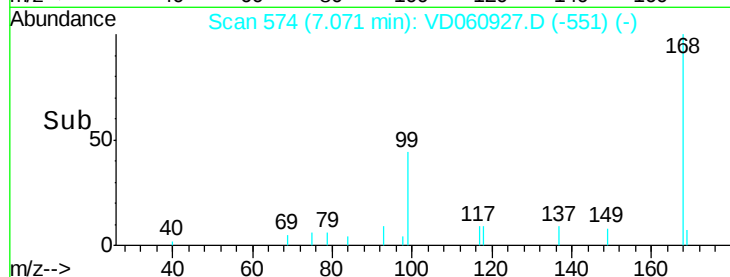
6000

4000

2000

0

Time-->



#5

Bromomethane

Concen: 32.589 ug/l

RT: 2.21 min Scan# 80

Delta R.T. 0.06 min

Lab File: VD060927.D

Acq: 4 Mar 2019 16:55

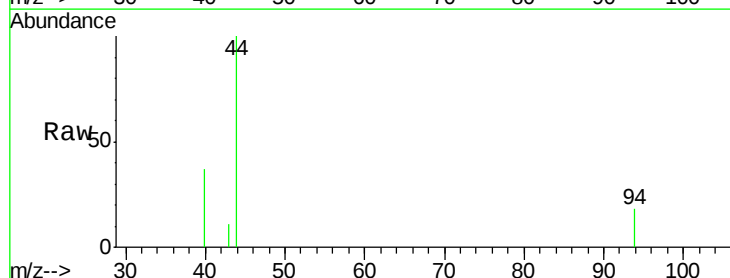
Tgt Ion: 94 Resp: 1122

Ion Ratio Lower Upper

94 100

96 0.0 75.1 112.7#

93 0.0 18.6 28.0#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2.21

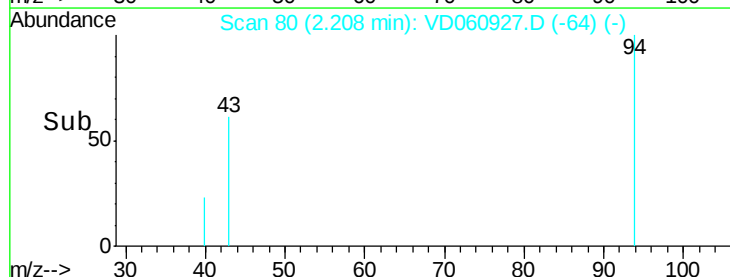
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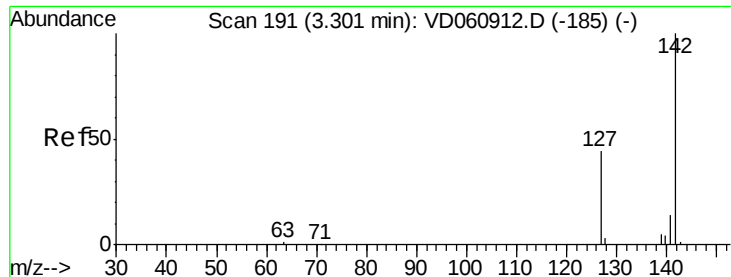
400

200

0

Time-->

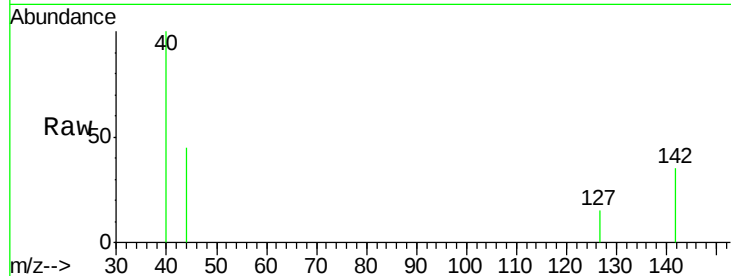




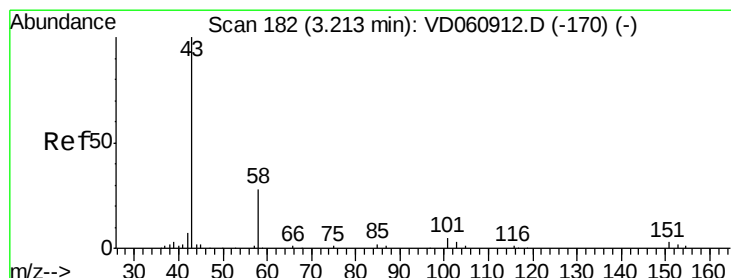
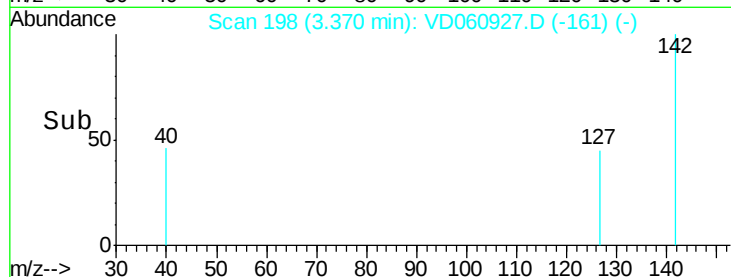
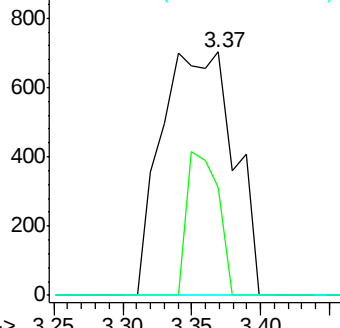
#10
Methvl Iodide
Concen: 9.823 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.07 min
Lab File: VD060927.D
Acq: 4 Mar 2019 16:55

Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-002-ABCDRE

Tot Ion:142 Resp: 2564
Ion Ratio Lower Upper
142 100
127 44.5 35.0 52.6
141 0.0 11.0 16.4#

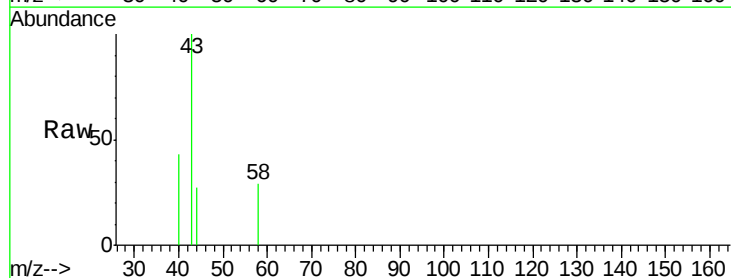


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

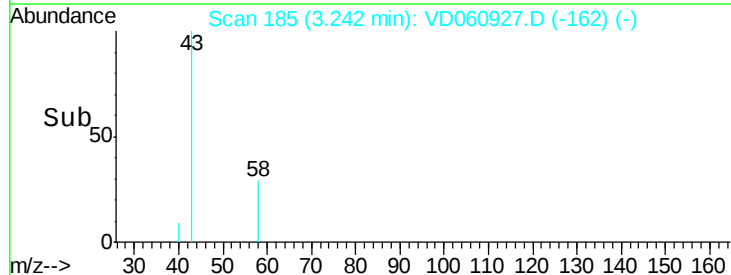
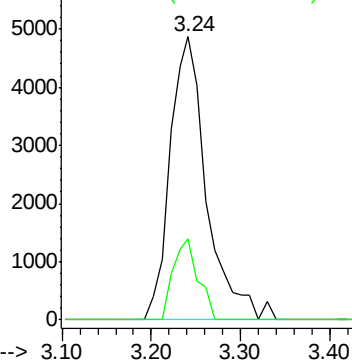


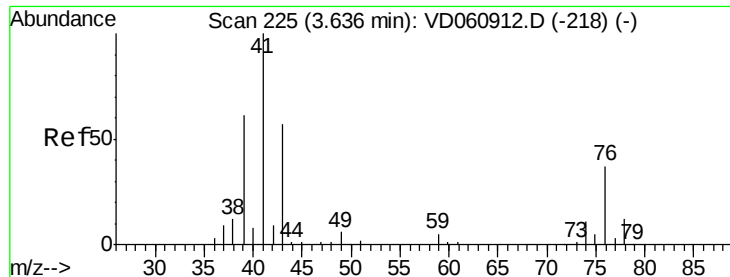
#16
Acetone
Concen: 215.895 ug/l
RT: 3.24 min Scan# 185
Delta R.T. 0.03 min
Lab File: VD060927.D
Acq: 4 Mar 2019 16:55

Tgt Ion: 43 Resp: 13982
Ion Ratio Lower Upper
43 100
58 28.7 22.8 34.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

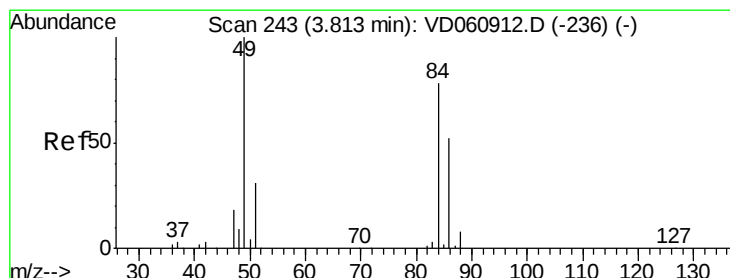
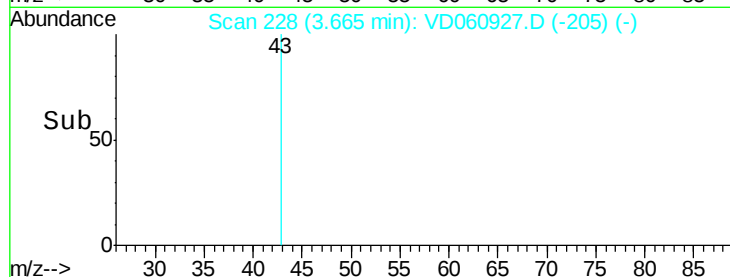
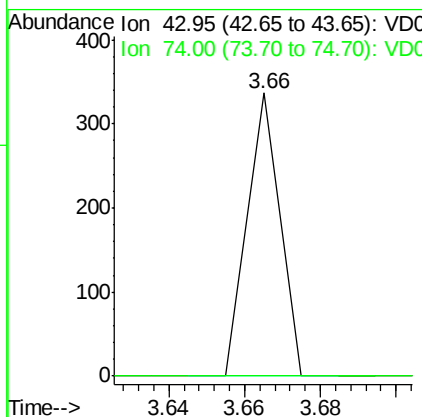
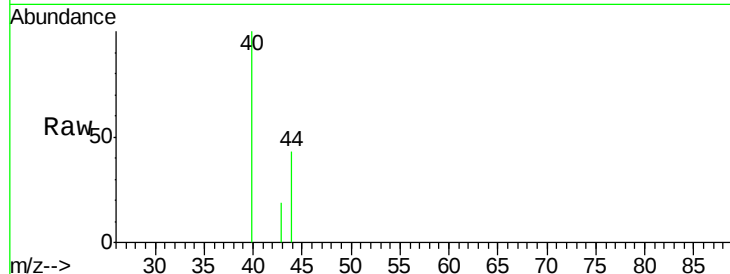




#18
Methyl Acetate
Concen: 1.501 ug/l
RT: 3.66 min Scan# 228
Delta R.T. 0.03 min
Lab File: VD060927.D
Acq: 4 Mar 2019 16:55

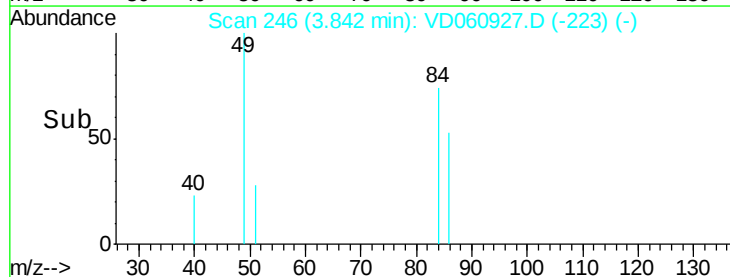
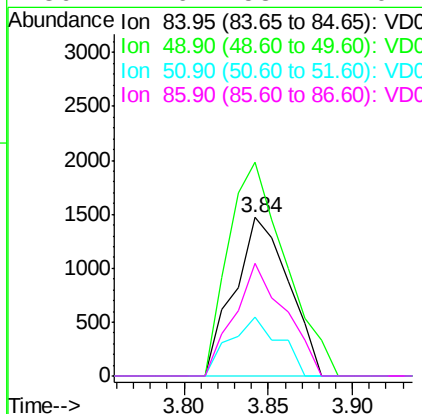
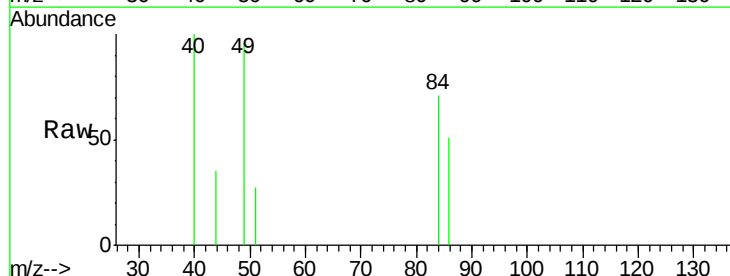
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-002-ABCDRE

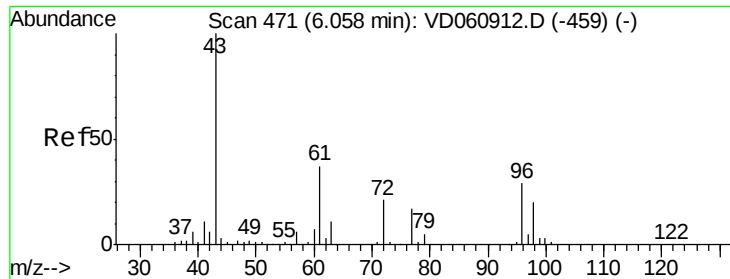
Tot Ion: 43 Resp: 199
Ion Ratio Lower Upper
43 100
74 0.0 16.1 24.1#



#20
Methylene Chloride
Concen: 7.605 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD060927.D
Acq: 4 Mar 2019 16:55

Tgt Ion: 84 Resp: 3284
Ion Ratio Lower Upper
84 100
49 134.9 102.4 153.6
51 37.4 31.9 47.9
86 71.6 53.1 79.7





#25

2-Butanone

Concen: 4.755 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.04 min

Lab File: VD060927.D

Acq: 4 Mar 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

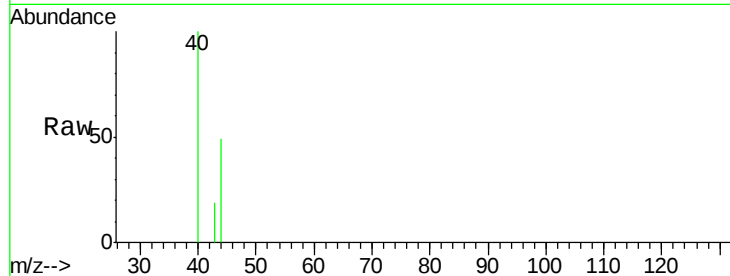
FK-BPM-04-002-ABCDRE

Tot Ion: 43 Resp: 382

Ion Ratio Lower Upper

43 100

72 0.0 17.0 25.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

500

400

300

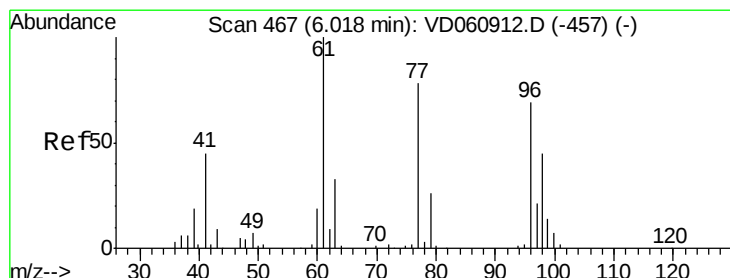
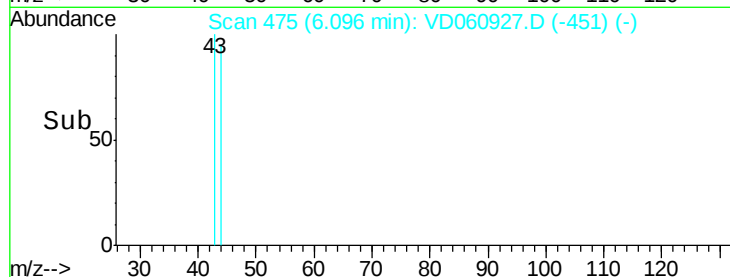
200

100

0

6.06 6.08 6.10 6.12

Time-->



#26

2,2-Dichloropropane

Concen: 4.356 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.15 min

Lab File: VD060927.D

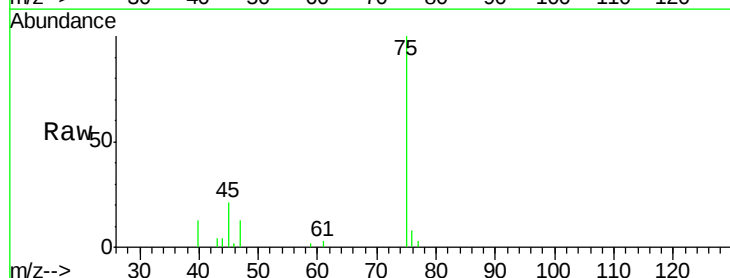
Acq: 4 Mar 2019 16:55

Tgt Ion: 77 Resp: 1609

Ion Ratio Lower Upper

77 100

97 0.0 13.5 40.4#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

600

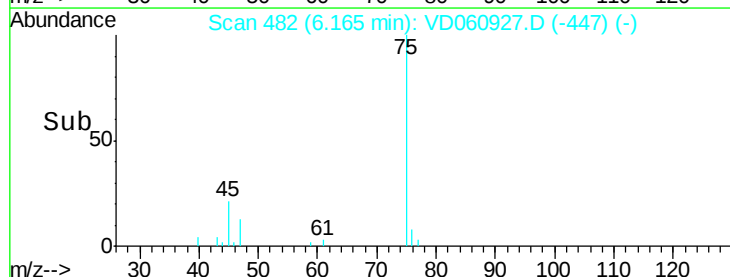
400

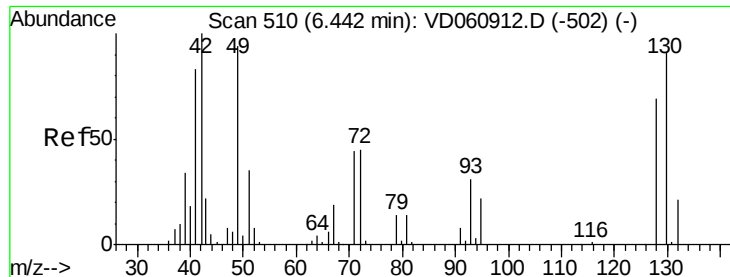
200

0

6.10 6.15 6.20

Time-->





#29

Tetrahydrofuran

Concen: 4.546 ug/l

RT: 6.50 min Scan# 516

Delta R.T. 0.06 min

Lab File: VD060927.D

Acq: 4 Mar 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-002-ABCDRE

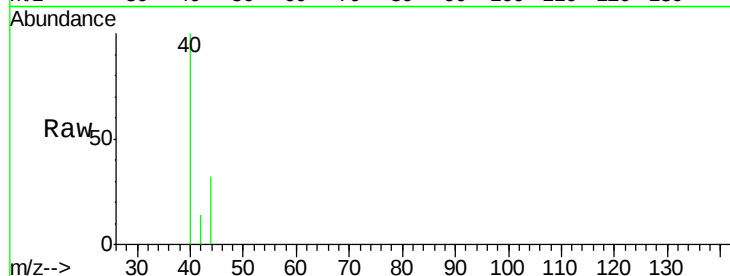
Tot Ion: 42 Resp: 188

Ion Ratio Lower Upper

42 100

72 0.0 33.8 50.6#

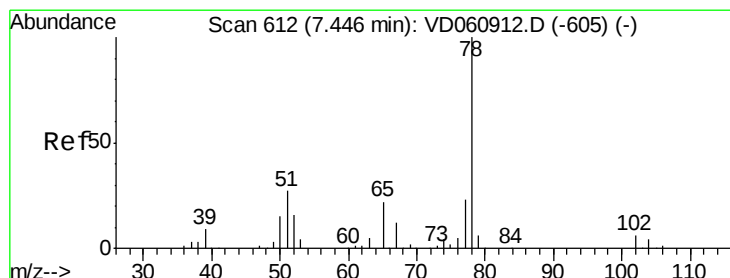
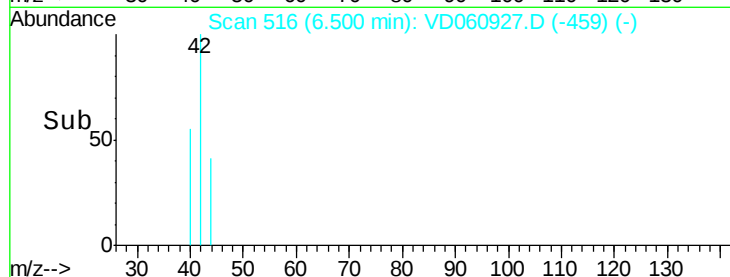
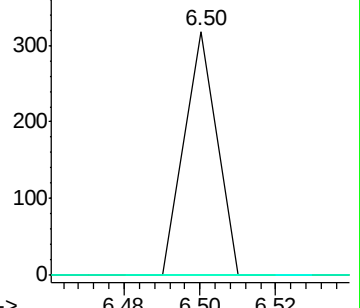
71 0.0 33.5 50.3#



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



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD060927.D

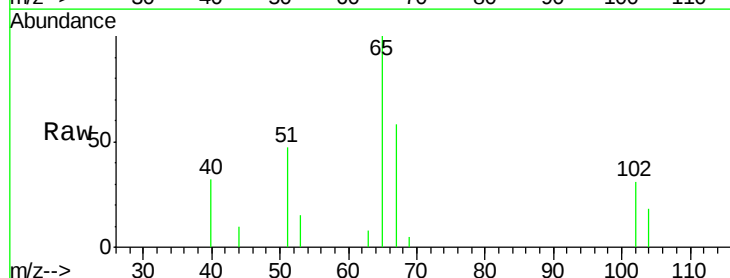
Acq: 4 Mar 2019 16:55

Tgt Ion: 65 Resp: 16386

Ion Ratio Lower Upper

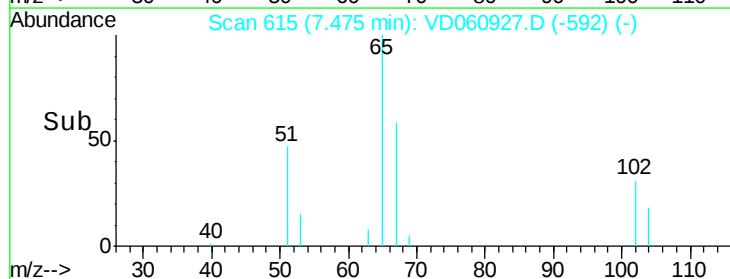
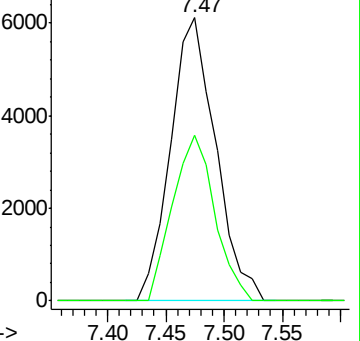
65 100

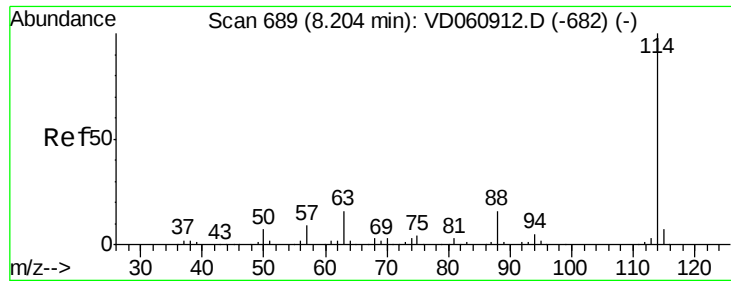
67 58.3 0.0 109.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.04 min

Lab File: VD060927.D

Acq: 4 Mar 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-002-ABCDRE

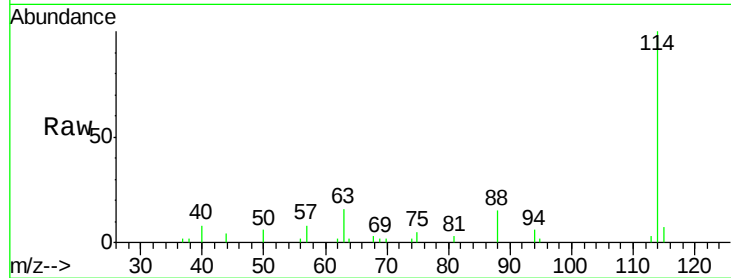
Tot Ion:114 Resp: 51676

Ion Ratio Lower Upper

114 100

63 16.4 0.0 32.0

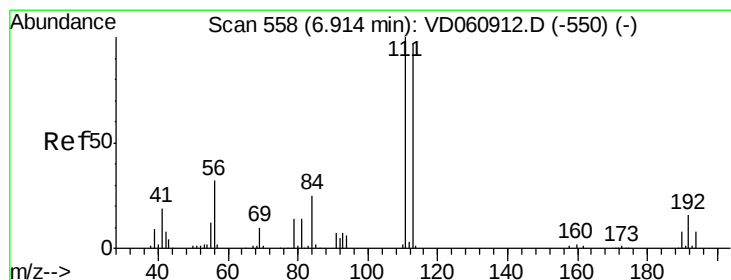
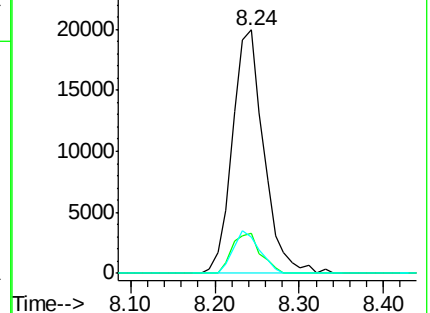
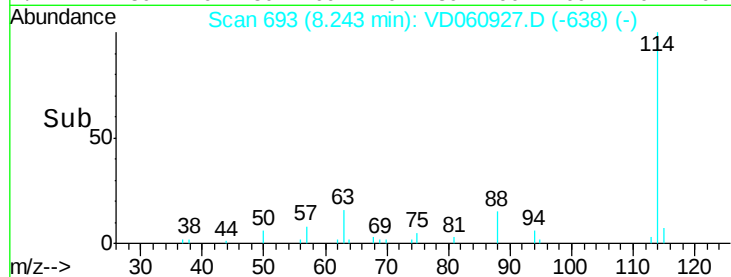
88 14.6 0.0 32.8



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: 6.94 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD060927.D

Acq: 4 Mar 2019 16:55

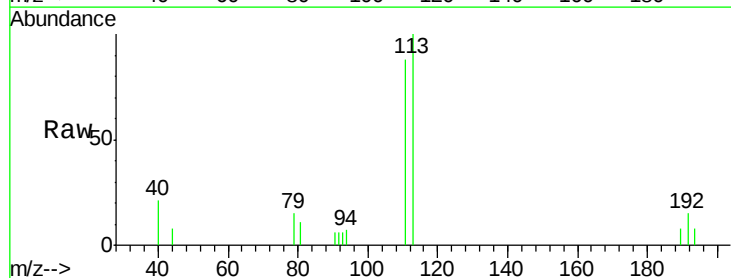
Tgt Ion:113 Resp: 22272

Ion Ratio Lower Upper

113 100

111 88.3 82.6 124.0

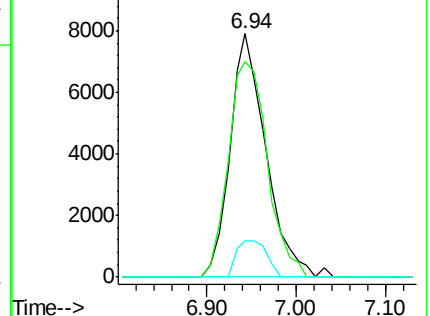
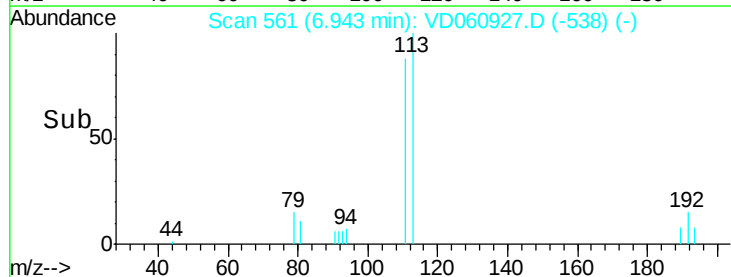
192 15.0 13.4 20.2

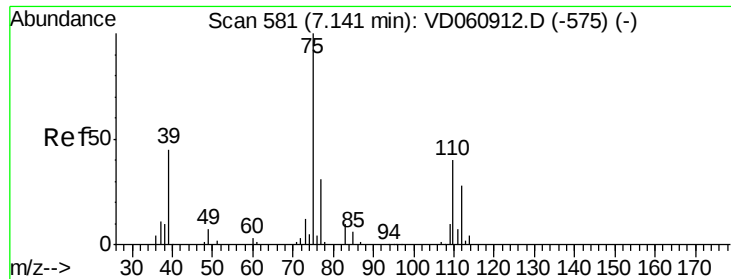


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

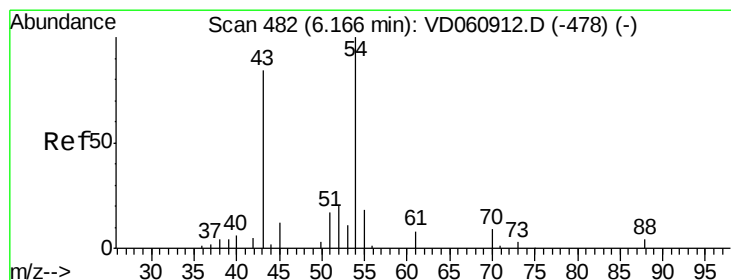
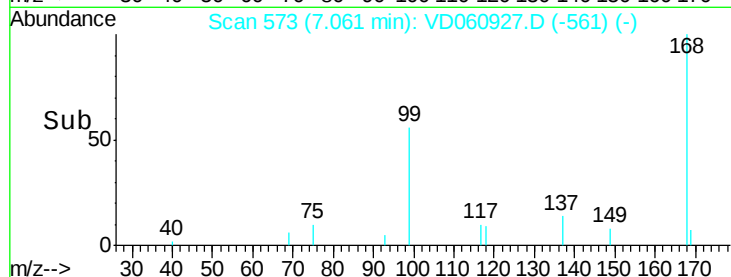
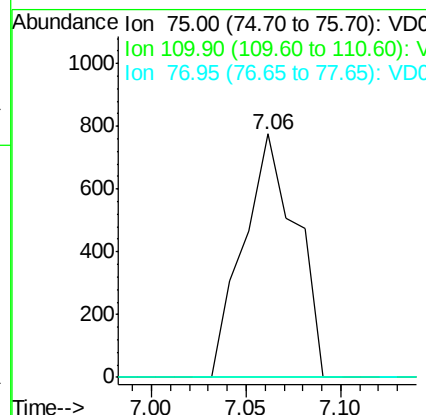
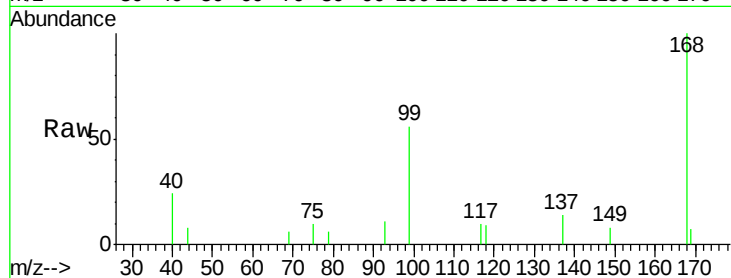




#36
 1,1-Dichloropropene
 Concen: 3.147 ug/l
 RT: 7.06 min Scan# 573
 Delta R.T. -0.08 min
 Lab File: VD060927.D
 Acq: 4 Mar 2019 16:55

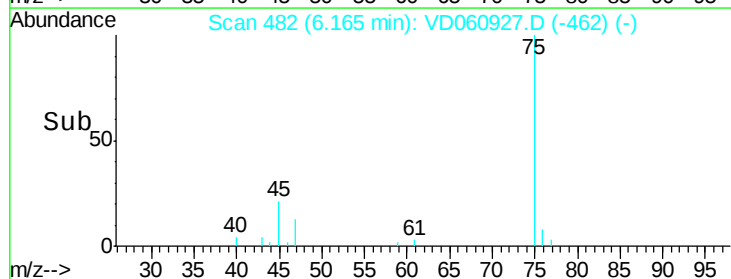
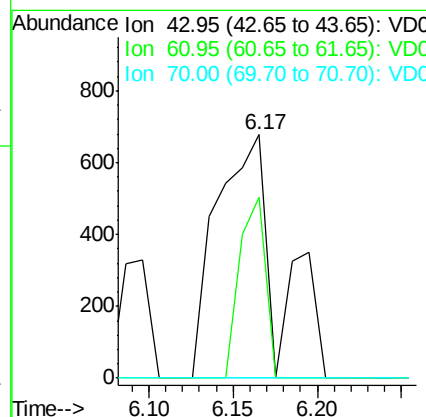
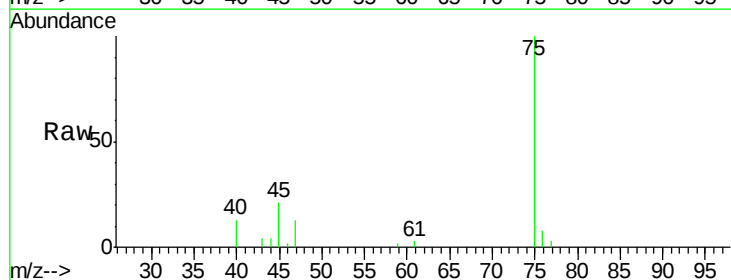
Instrument :
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 FK-BPM-04-002-ABCDRE

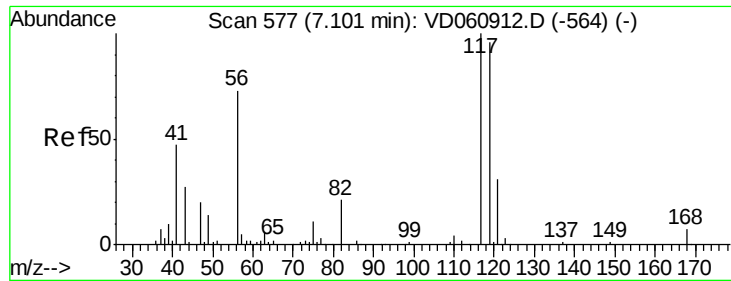
Tot Ion: 75 Resp: 1495
 Ion Ratio Lower Upper
 75 100
 110 0.0 19.9 59.7#
 77 0.0 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 7.091 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. -0.00 min
 Lab File: VD060927.D
 Acq: 4 Mar 2019 16:55

Tgt Ion: 43 Resp: 1732
 Ion Ratio Lower Upper
 43 100
 61 74.3 12.1 18.1#
 70 0.0 7.3 10.9#





#38

Carbon Tetrachloride

Concen: 3.119 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.04 min

Lab File: VD060927.D

Acq: 4 Mar 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-002-ABCDRE

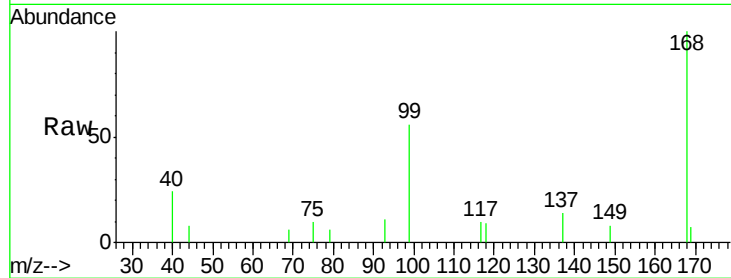
Tot Ion:117 Resp: 1592

Ion Ratio Lower Upper

117 100

119 0.0 76.9 115.3#

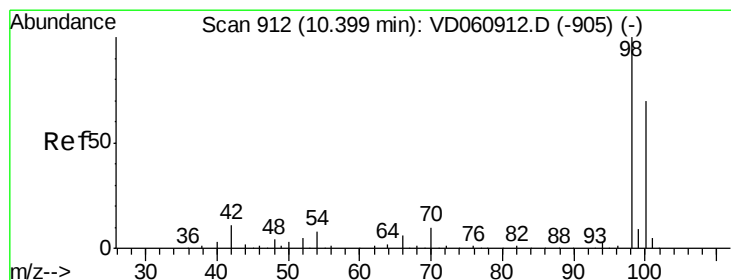
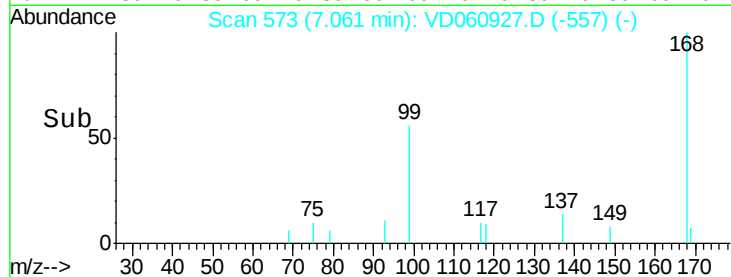
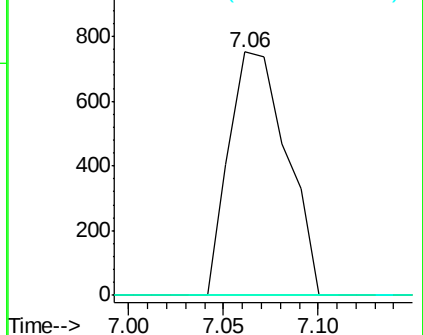
121 0.0 24.5 36.7#



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: 10.43 min Scan# 915

Delta R.T. 0.03 min

Lab File: VD060927.D

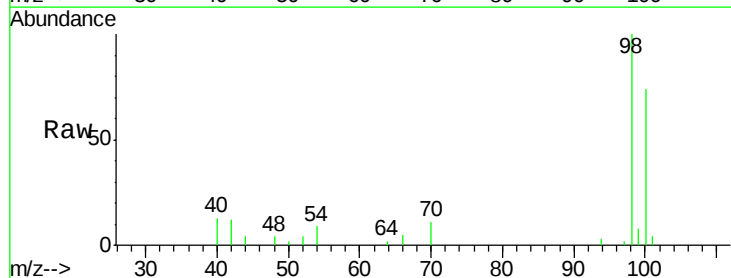
Acq: 4 Mar 2019 16:55

Tgt Ion: 98 Resp: 46985

Ion Ratio Lower Upper

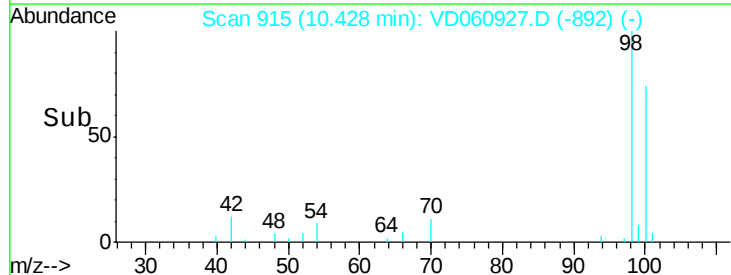
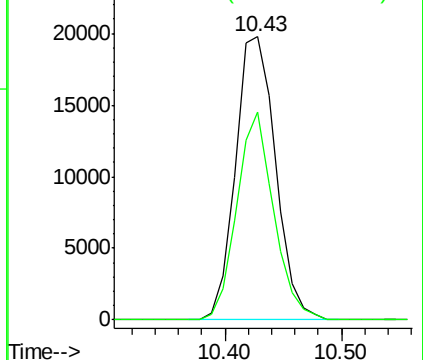
98 100

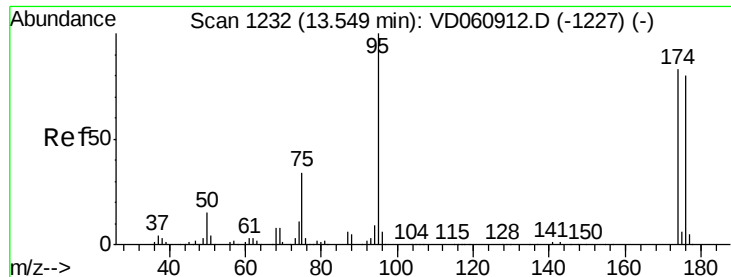
100 73.6 57.0 85.4



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

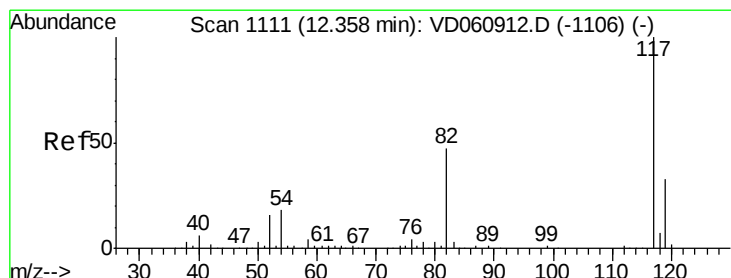
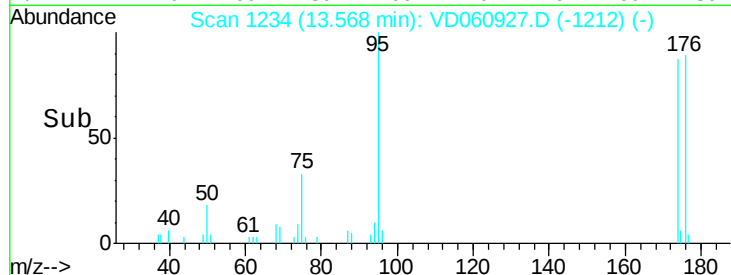
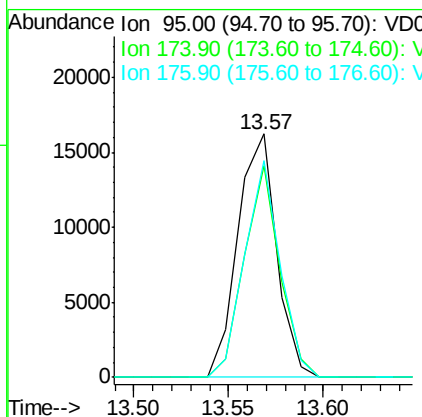
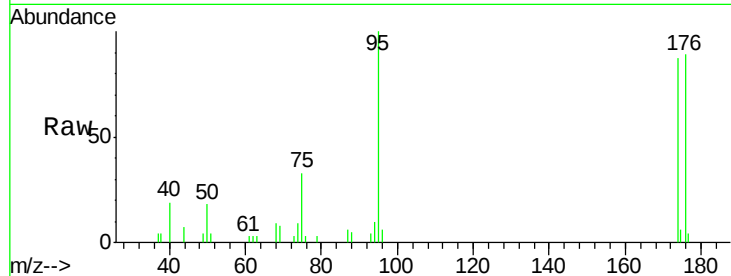




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD060927.D
Acq: 4 Mar 2019 16:55

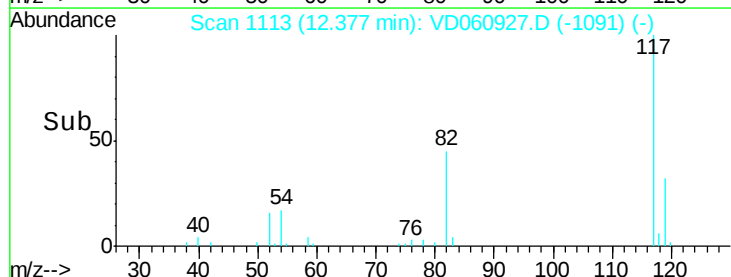
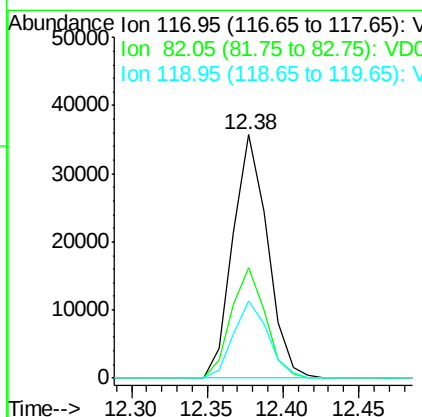
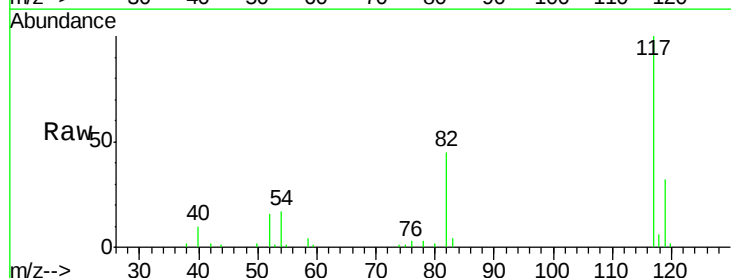
Instrument :
MSVOA_D
ClientSampleId :
FK-BPM-04-002-ABCDRE

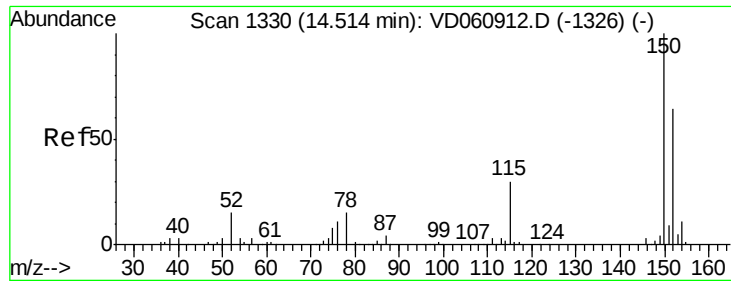
Tot Ion: 95 Resp: 22923
Ion Ratio Lower Upper
95 100
174 87.0 0.0 165.6
176 88.8 0.0 160.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060927.D
Acq: 4 Mar 2019 16:55

Tgt Ion: 117 Resp: 56843
Ion Ratio Lower Upper
117 100
82 45.4 37.5 56.3
119 31.8 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060927.D

Acq: 4 Mar 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-002-ABCDRE

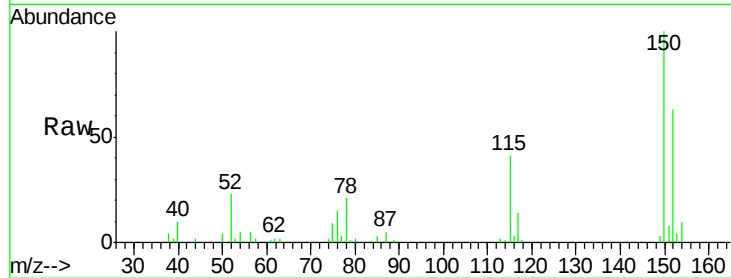
Tot Ion:152 Resp: 27242

Ion Ratio Lower Upper

152 100

115 64.8 27.6 82.8

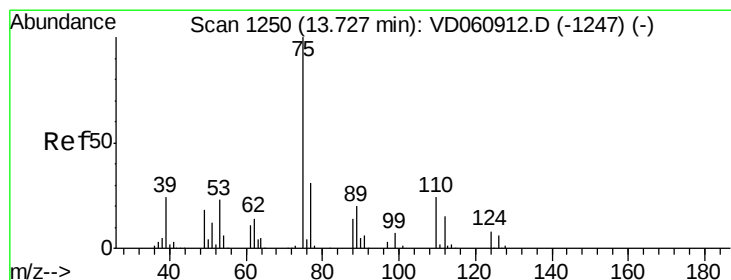
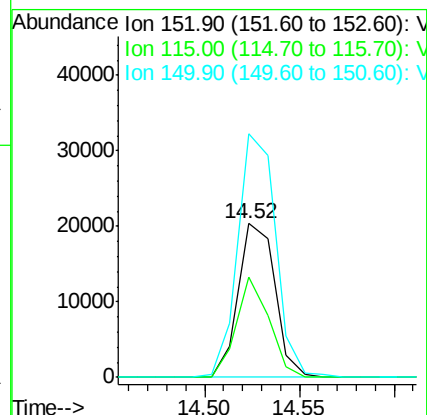
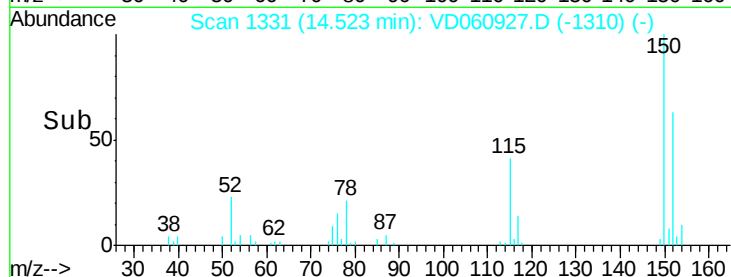
150 158.2 0.0 312.8



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: 15.095 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD060927.D

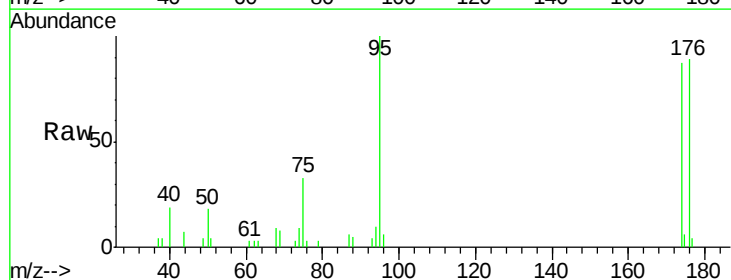
Acq: 4 Mar 2019 16:55

Tgt Ion: 75 Resp: 6663

Ion Ratio Lower Upper

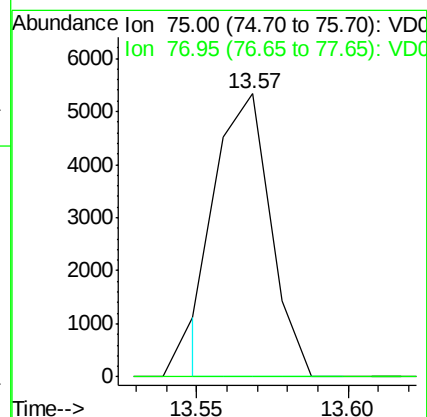
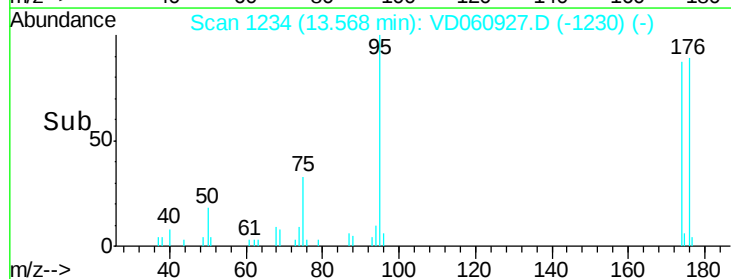
75 100

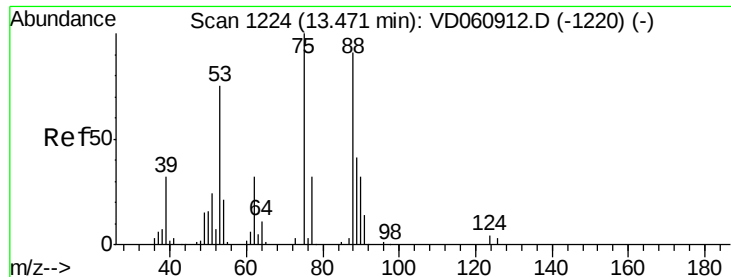
77 0.0 16.2 48.6#



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: 56.043 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD060927.D

Acq: 4 Mar 2019 16:55

Instrument :

MSVOA_D

ClientSampleId :

FK-BPM-04-002-ABCDRE

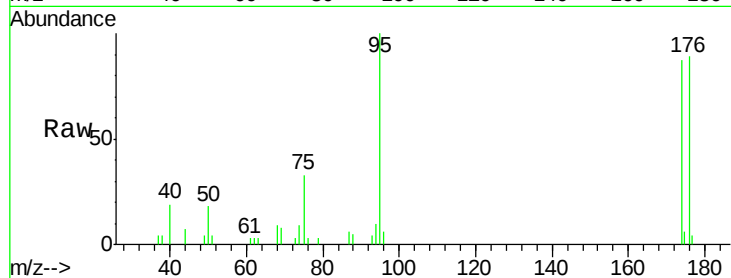
Tot Ion: 75 Resp: 7321

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.6#

89 0.0 33.0 49.6#



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

