

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060929.D
 Acq On : 4 Mar 2019 17:50
 Operator : VA/AP
 Sample : K1714-02
 Misc : 6.05g/5ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-2-5

Quant Time: Mar 05 01:33:41 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	18480	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	40420	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	36435	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.53	152	18777	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	10505	68.76	ug/l	0.02
Spiked Amount			Recovery	=	137.52%	
35) Dibromofluoromethane	6.94	113	13225	40.81	ug/l	0.02
Spiked Amount			Recovery	=	81.62%	
50) Toluene-d8	10.42	98	29852	37.02	ug/l	0.02
Spiked Amount			Recovery	=	74.04%	
62) 4-Bromofluorobenzene	13.56	95	13809	45.32	ug/l	0.01
Spiked Amount			Recovery	=	90.64%	

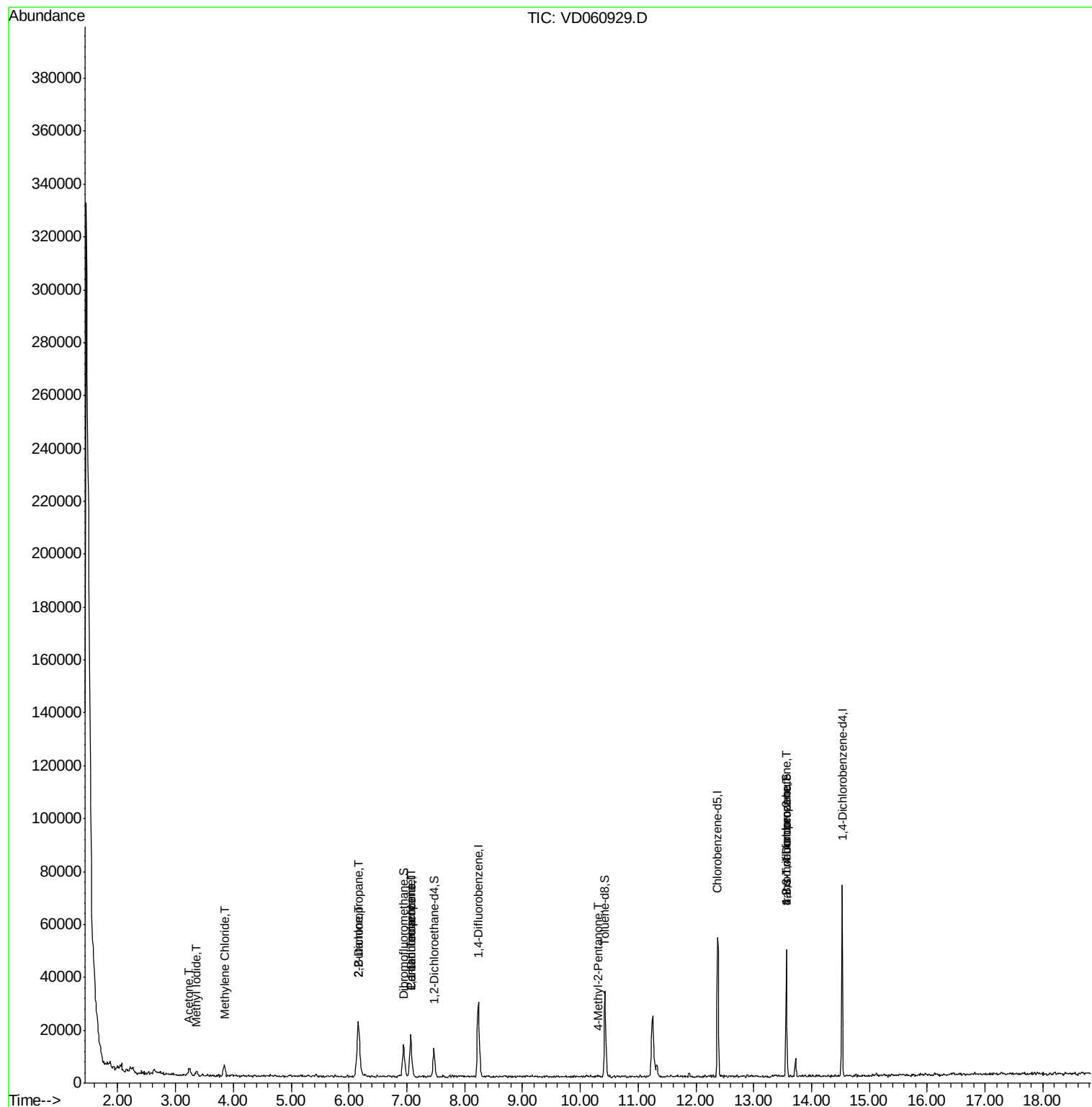
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.37	142	2478	10.976	ug/l #	86
16) Acetone	3.24	43	6060	118.803	ug/l #	87
20) Methylene Chloride	3.84	84	2789	8.507	ug/l #	93
25) 2-Butanone	6.15	43	505	7.981	ug/l #	55
26) 2,2-Dichloropropane	6.16	77	1064	3.658	ug/l #	48
36) 1,1-Dichloropropene	7.06	75	772	2.077	ug/l #	39
38) Carbon Tetrachloride	7.07	117	1567	3.925	ug/l #	12
51) 4-Methyl-2-Pentanone	10.31	43	200	1.233	ug/l #	36
76) 1,2,3-Trichloropropane	13.56	75	4968	16.329	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.56	75	5249	58.296	ug/l #	20

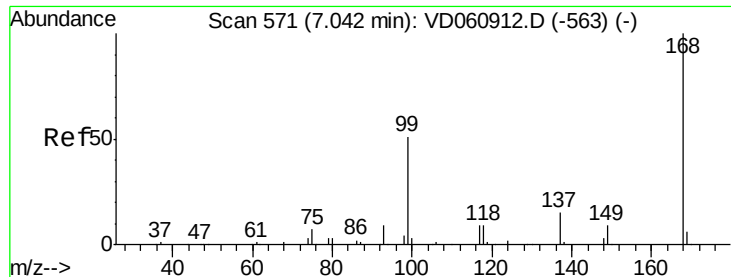
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 05 01:33:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
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# 573

Delta R.T. 0.02 min

Lab File: VD060929.D

Acq: 4 Mar 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

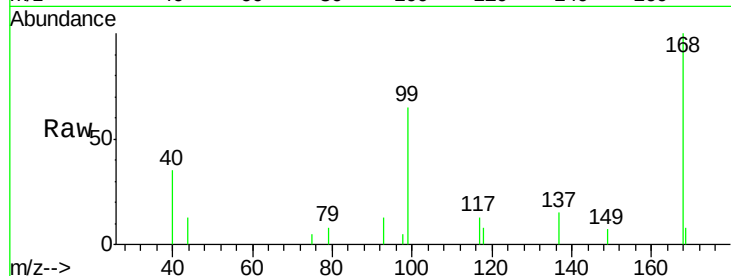
SB-A-2-5

Tot Ion:168 Resp: 18480

Ion Ratio Lower Upper

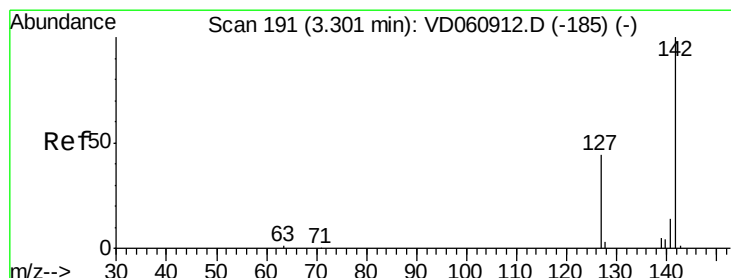
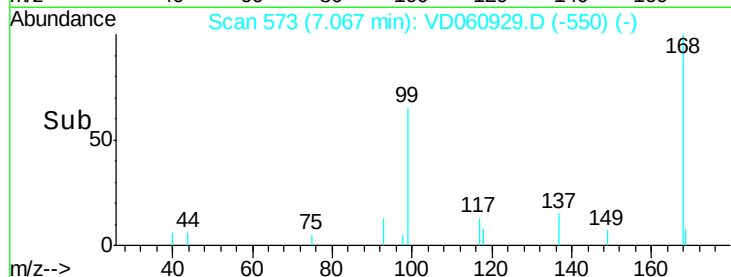
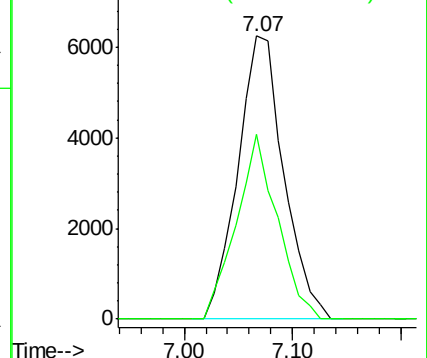
168 100

99 65.3 41.5 62.3#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#10

Methyl Iodide

Concen: 10.976 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.06 min

Lab File: VD060929.D

Acq: 4 Mar 2019 17:50

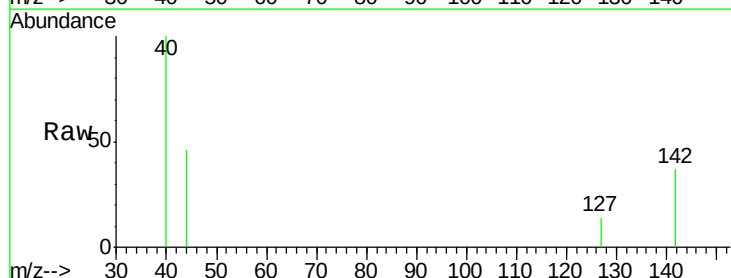
Tgt Ion:142 Resp: 2478

Ion Ratio Lower Upper

142 100

127 38.5 35.0 52.6

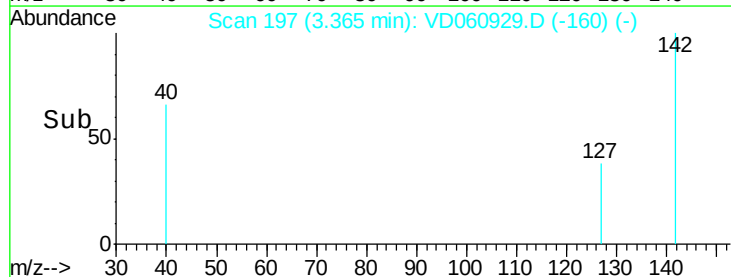
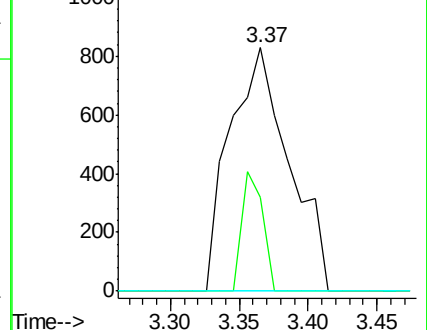
141 0.0 11.0 16.4#

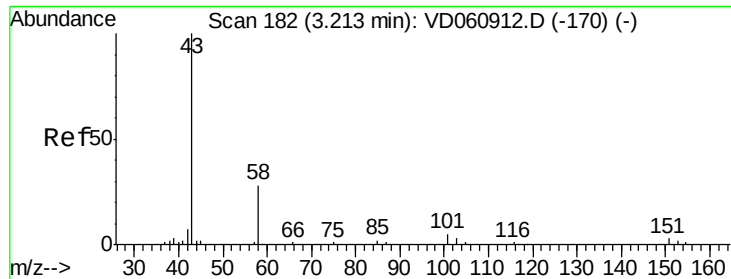


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#16

Acetone

Concen: 118.803 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD060929.D

Acq: 4 Mar 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

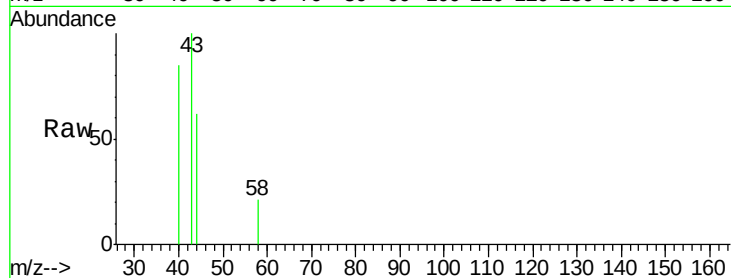
SB-A-2-5

Tot Ion: 43 Resp: 6060

Ion Ratio Lower Upper

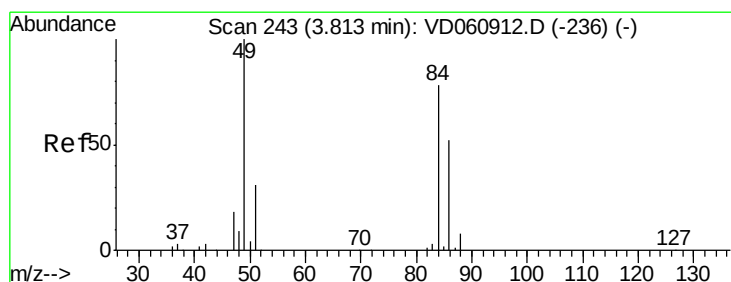
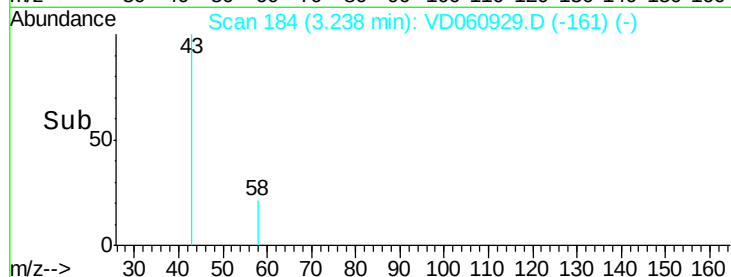
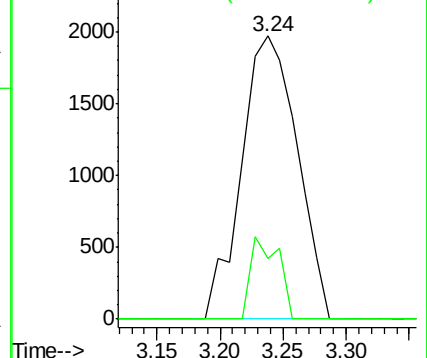
43 100

58 21.4 22.8 34.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 8.507 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD060929.D

Acq: 4 Mar 2019 17:50

Tgt Ion: 84 Resp: 2789

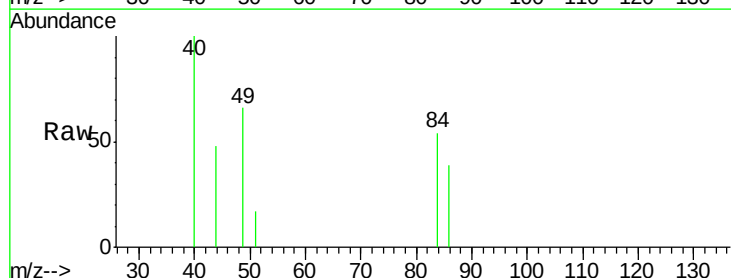
Ion Ratio Lower Upper

84 100

49 122.0 102.4 153.6

51 31.3 31.9 47.9#

86 71.0 53.1 79.7

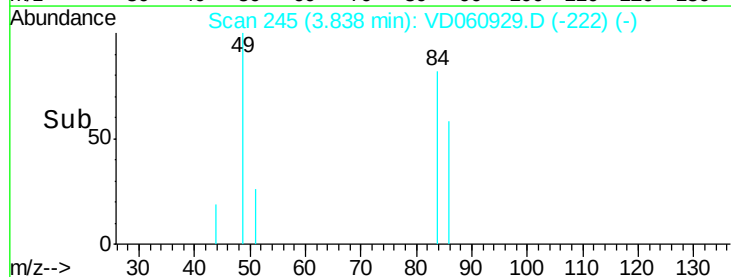
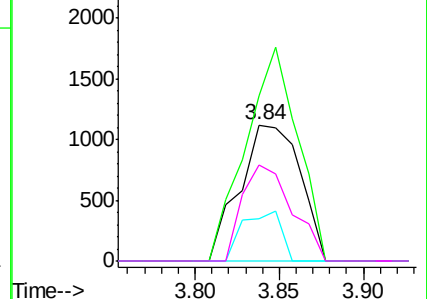


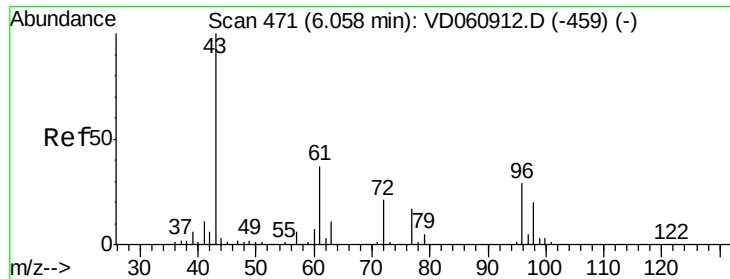
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 7.981 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.09 min

Lab File: VD060929.D

Acq: 4 Mar 2019 17:50

Instrument :

MSVOA_D

ClientSampled :

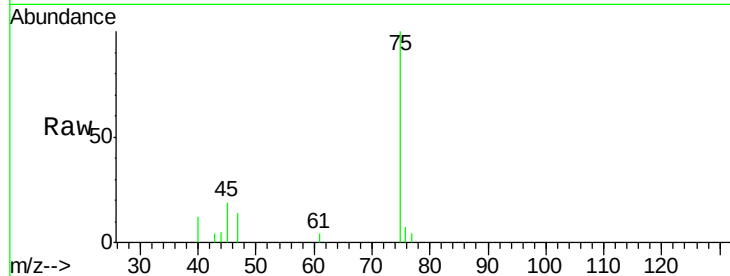
SB-A-2-5

Tot Ion: 43 Resp: 505

Ion Ratio Lower Upper

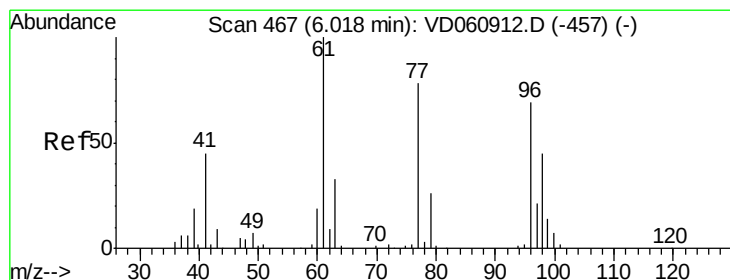
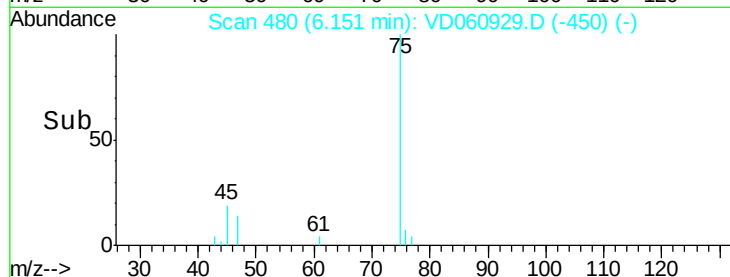
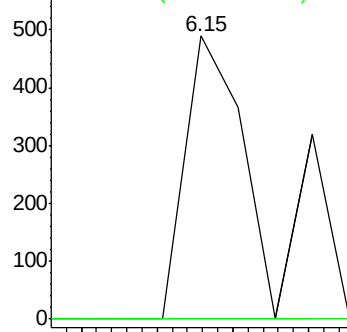
43 100

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



#26

2,2-Dichloropropane

Concen: 3.658 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.14 min

Lab File: VD060929.D

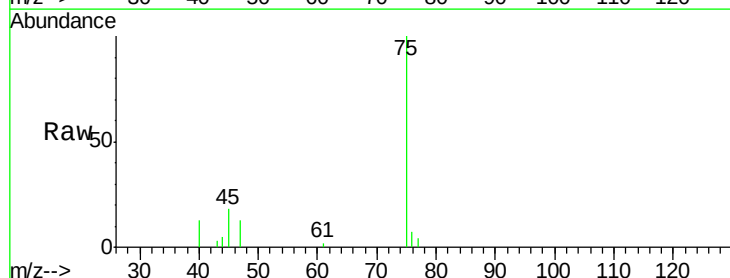
Acq: 4 Mar 2019 17:50

Tgt Ion: 77 Resp: 1064

Ion Ratio Lower Upper

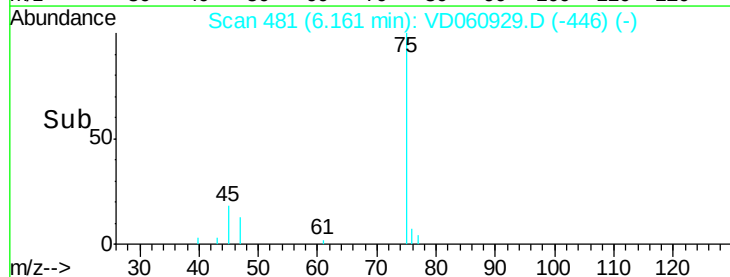
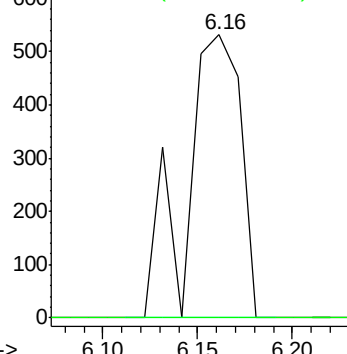
77 100

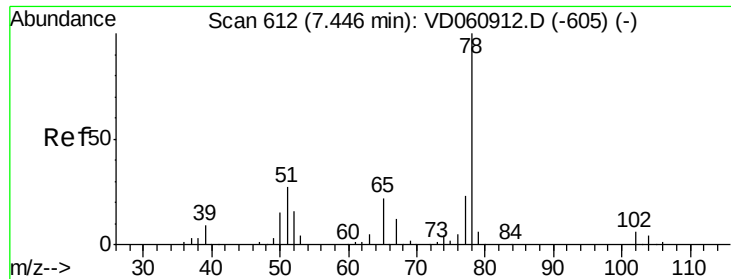
97 0.0 13.5 40.4#



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

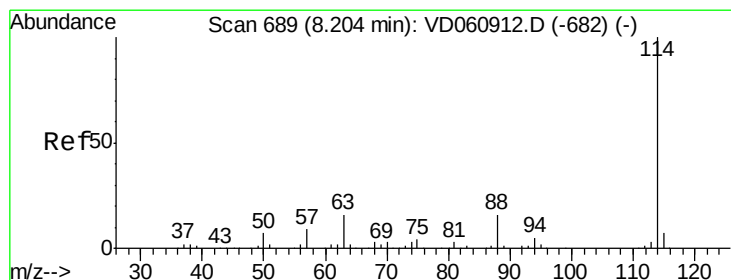
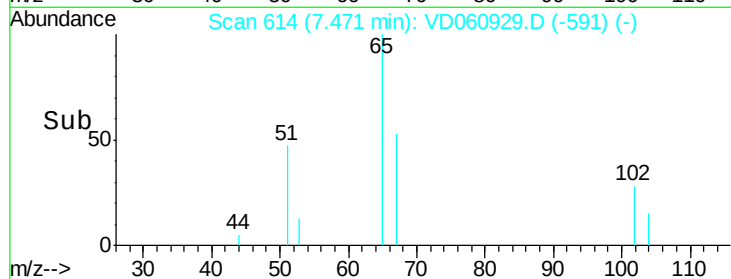
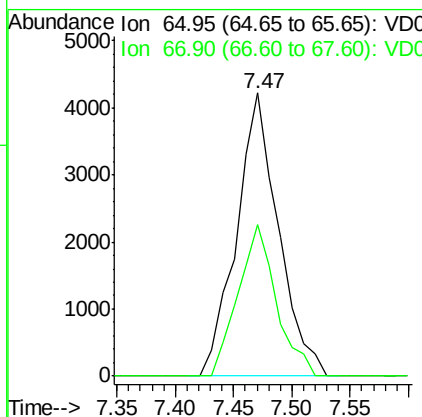
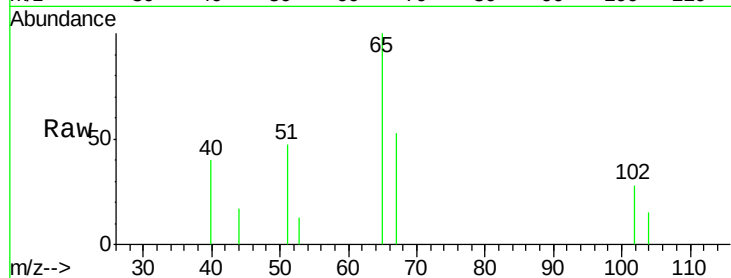




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD060929.D
 Acq: 4 Mar 2019 17:50

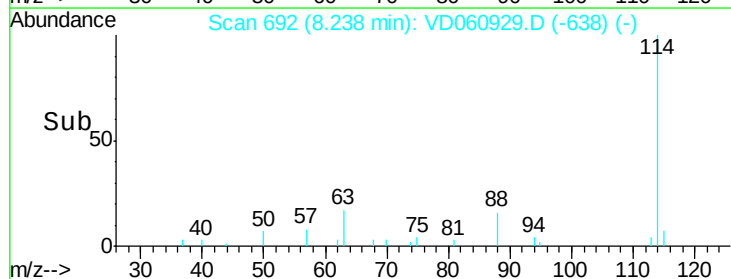
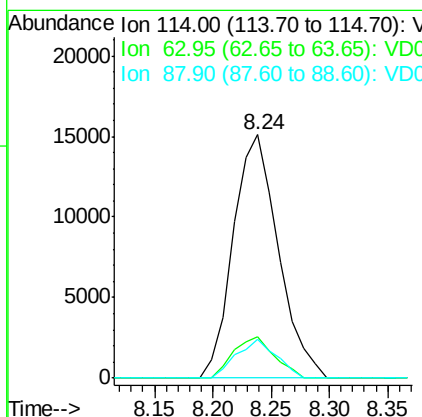
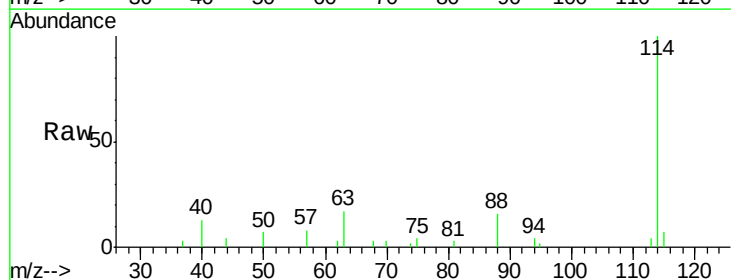
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-2-5

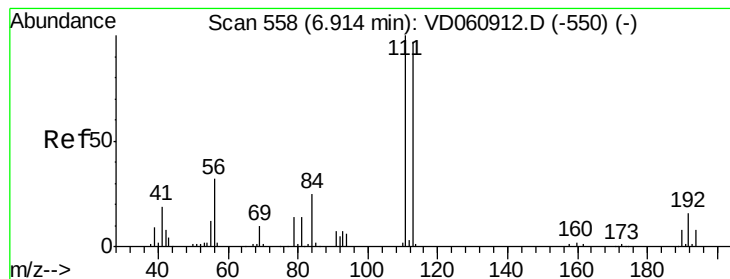
Tot Ion: 65 Resp: 10505
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD060929.D
 Acq: 4 Mar 2019 17:50

Tgt Ion: 114 Resp: 40420
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 32.0
 88 16.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD060929.D

Acq: 4 Mar 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

SB-A-2-5

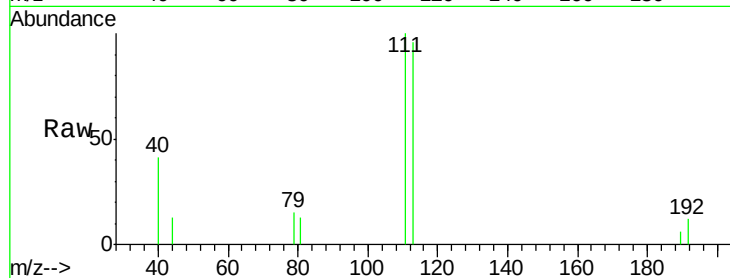
Tot Ion:113 Resp: 13225

Ion Ratio Lower Upper

113 100

111 104.1 82.6 124.0

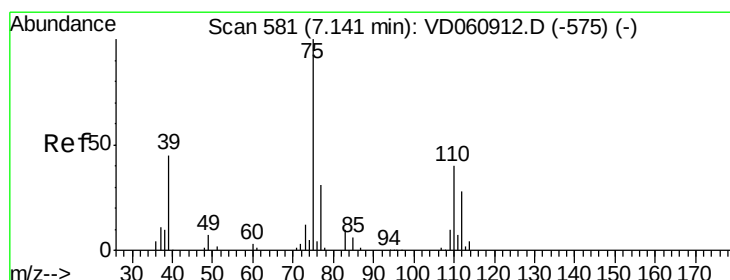
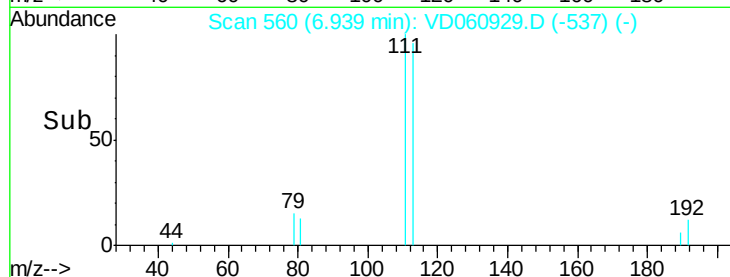
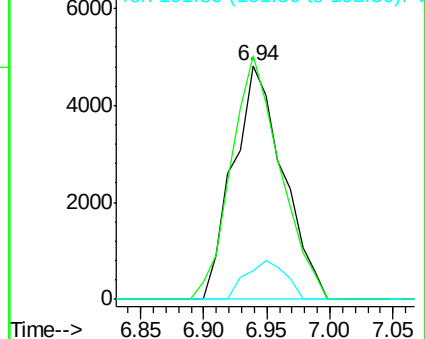
192 12.0 13.4 20.2#



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: 2.077 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.08 min

Lab File: VD060929.D

Acq: 4 Mar 2019 17:50

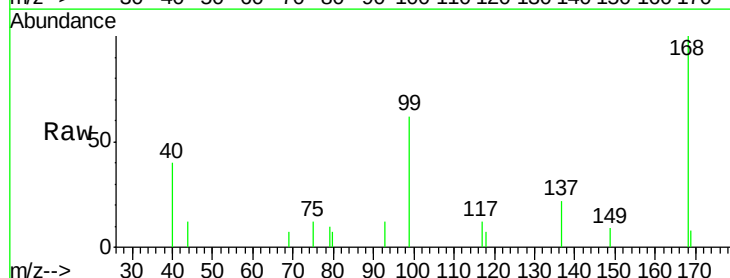
Tgt Ion: 75 Resp: 772

Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.7#

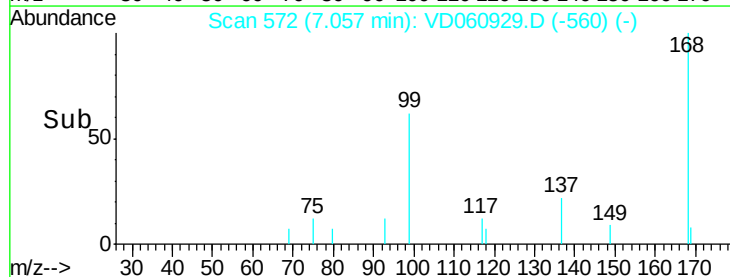
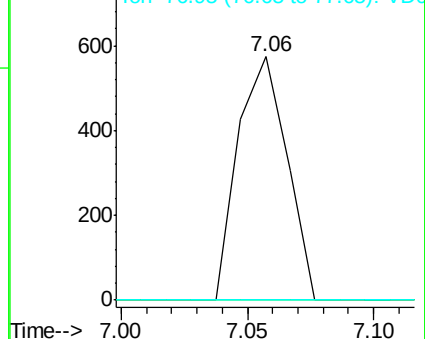
77 0.0 25.0 37.6#

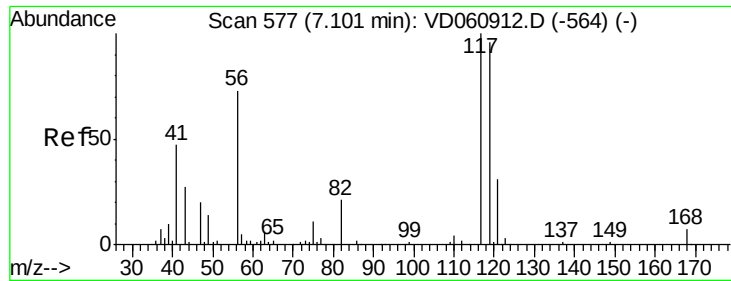


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

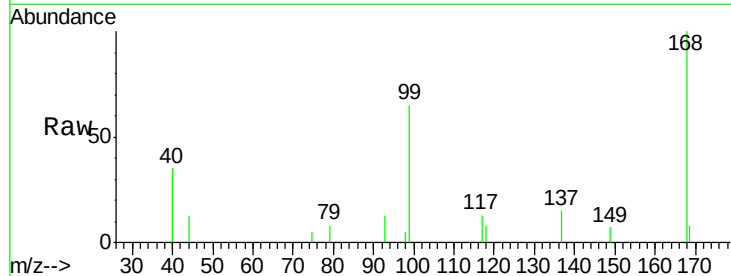




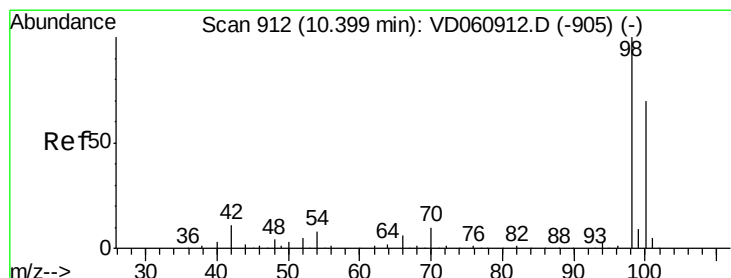
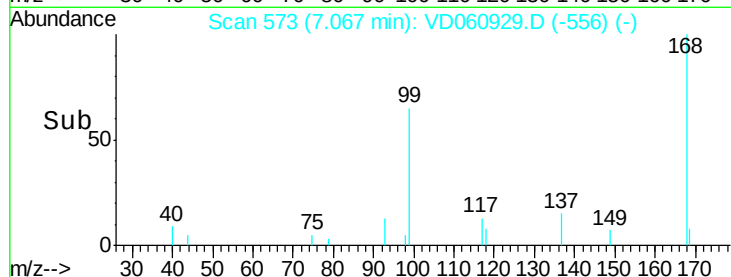
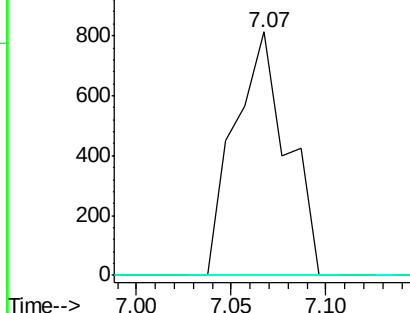
#38
Carbon Tetrachloride
Concen: 3.925 ug/l
RT: 7.07 min Scan# 573
Delta R.T. -0.03 min
Lab File: VD060929.D
Acq: 4 Mar 2019 17:50

Instrument :
MSVOA_D
ClientSampleId :
SB-A-2-5

Tot Ion:117 Resp: 1567
Ion Ratio Lower Upper
117 100
119 0.0 76.9 115.3#
121 0.0 24.5 36.7#

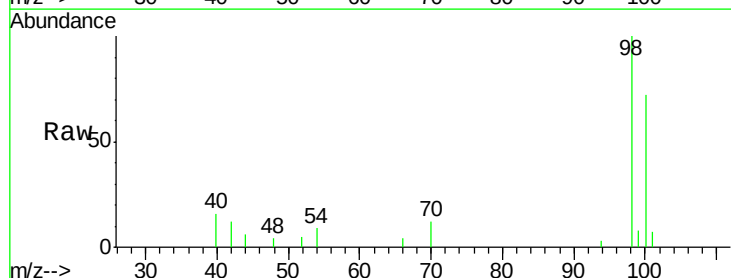


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

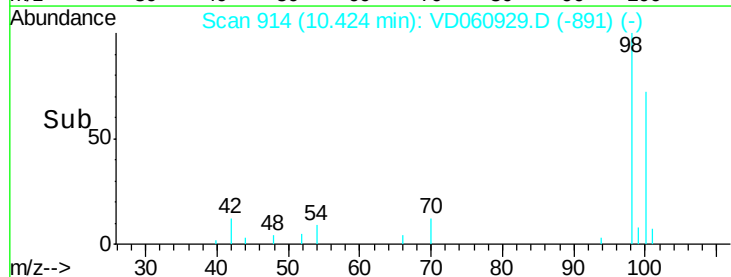
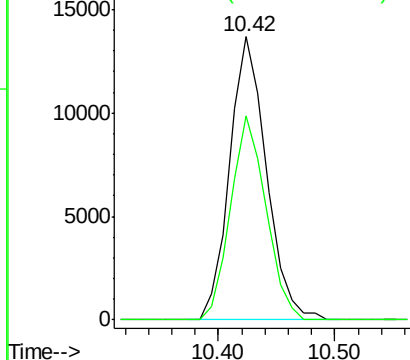


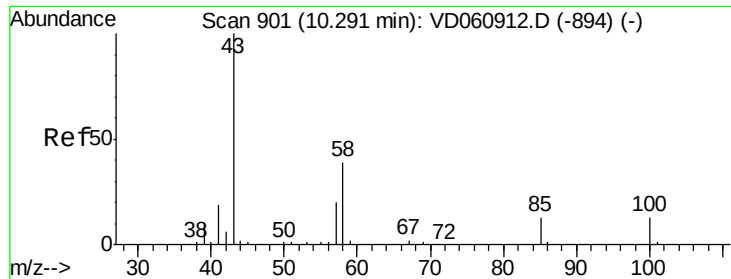
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD060929.D
Acq: 4 Mar 2019 17:50

Tgt Ion: 98 Resp: 29852
Ion Ratio Lower Upper
98 100
100 72.1 57.0 85.4



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





#51

4-Methyl-2-Pentanone

Concen: 1.233 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060929.D

Acq: 4 Mar 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

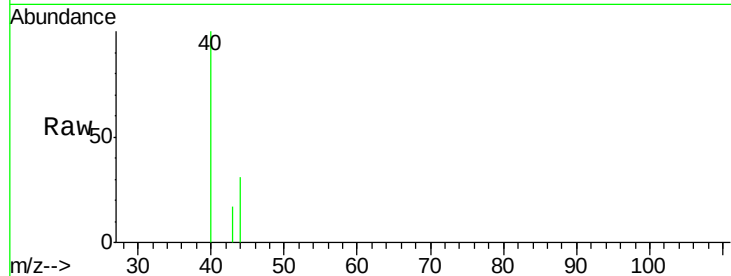
SB-A-2-5

Tot Ion: 43 Resp: 200

Ion Ratio Lower Upper

43 100

58 0.0 31.0 46.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

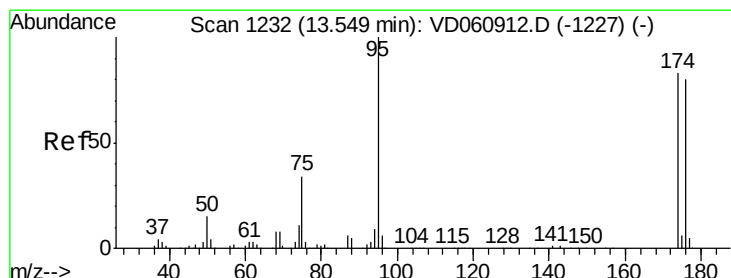
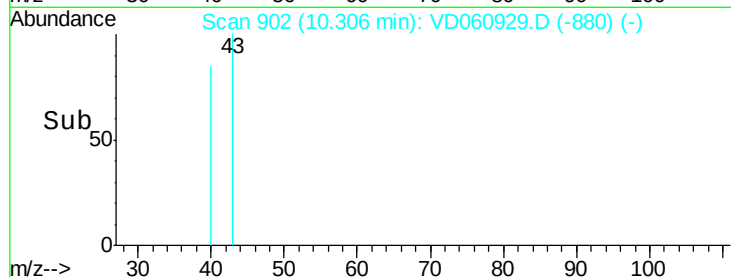
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060929.D

Acq: 4 Mar 2019 17:50

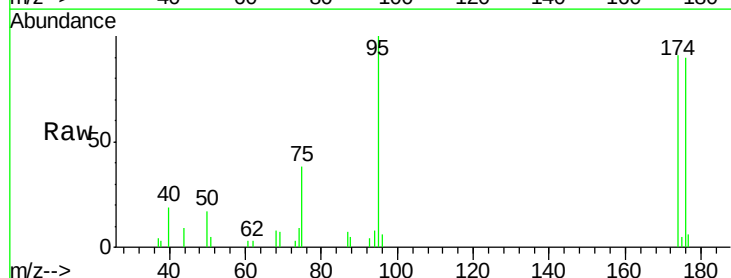
Tgt Ion: 95 Resp: 13809

Ion Ratio Lower Upper

95 100

174 91.2 0.0 165.6

176 90.3 0.0 160.6



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

13.56

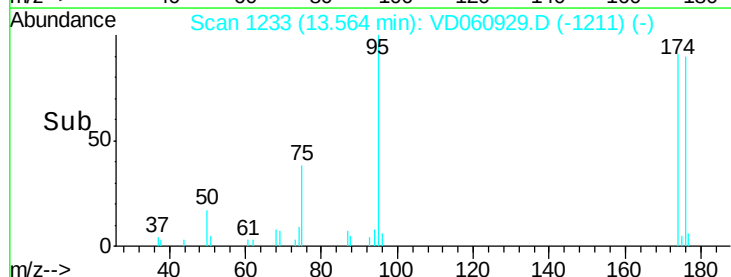
15000

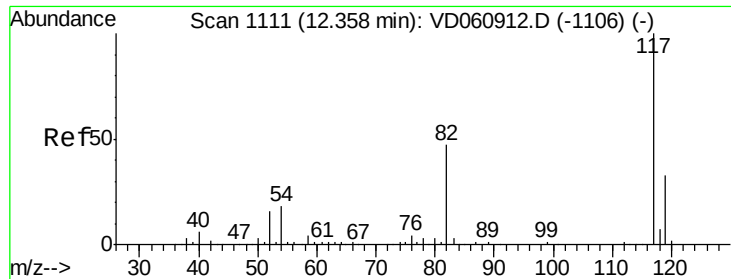
10000

5000

0

Time-->

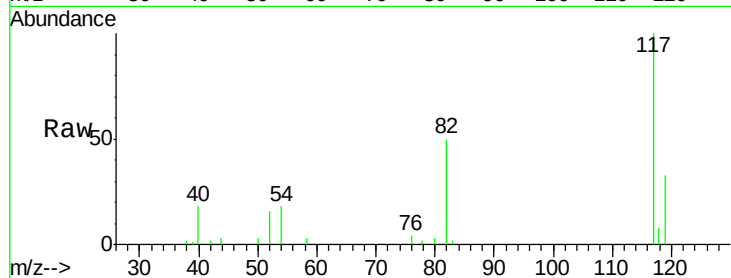




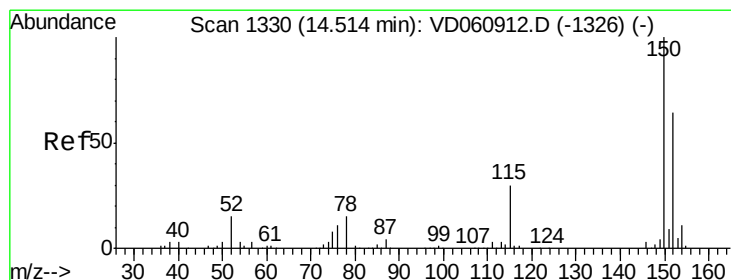
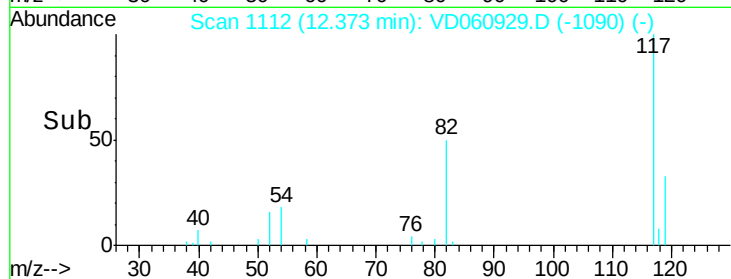
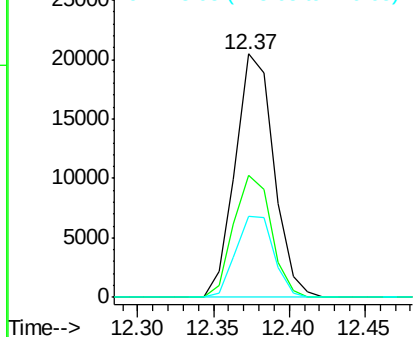
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 12.37 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VD060929.D
 Acq: 4 Mar 2019 17:50

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-A-2-5

Tot Ion:117 Resp: 36435
 Ion Ratio Lower Upper
 117 100
 82 50.2 37.5 56.3
 119 33.3 26.2 39.2

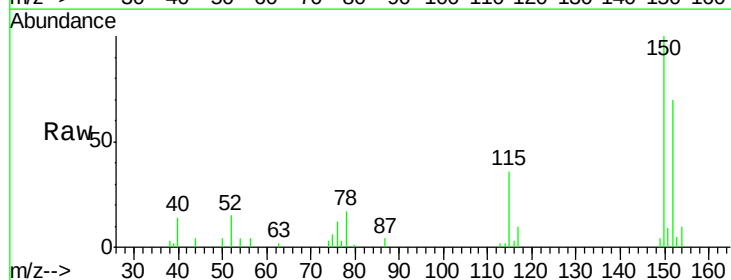


Abundance Ion 116.95 (116.65 to 117.65): V
 Ion 82.05 (81.75 to 82.75): V
 Ion 118.95 (118.65 to 119.65): V

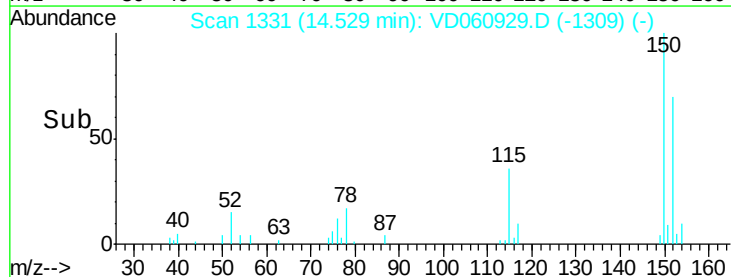
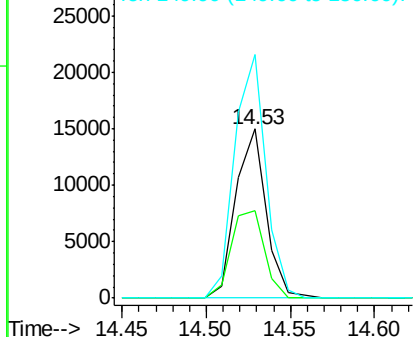


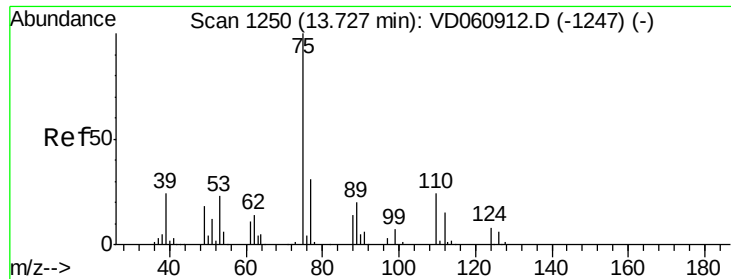
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VD060929.D
 Acq: 4 Mar 2019 17:50

Tgt Ion:152 Resp: 18777
 Ion Ratio Lower Upper
 152 100
 115 51.5 27.6 82.8
 150 143.8 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: 16.329 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD060929.D

Acq: 4 Mar 2019 17:50

Instrument :

MSVOA_D

ClientSampleId :

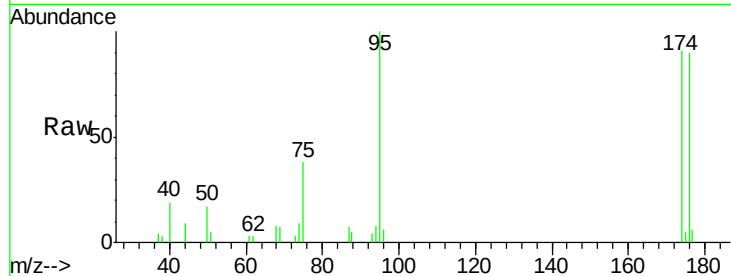
SB-A-2-5

Tot Ion: 75 Resp: 4968

Ion Ratio Lower Upper

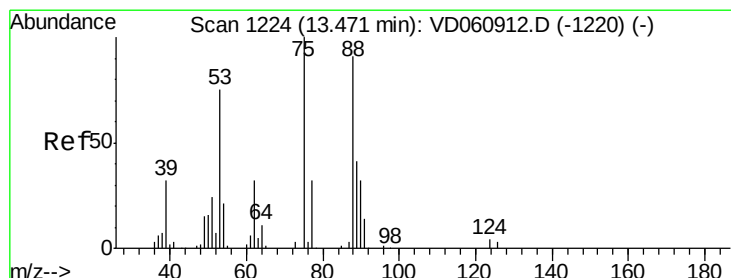
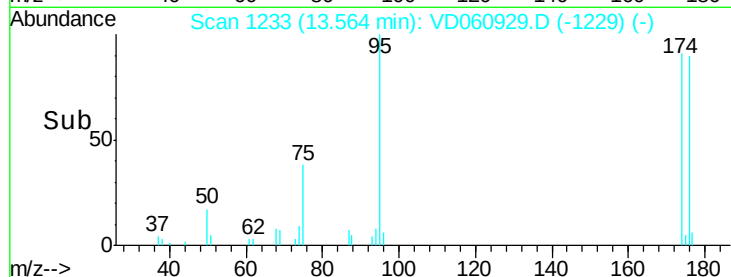
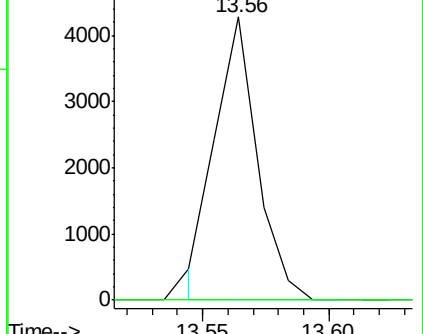
75 100

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: 58.296 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060929.D

Acq: 4 Mar 2019 17:50

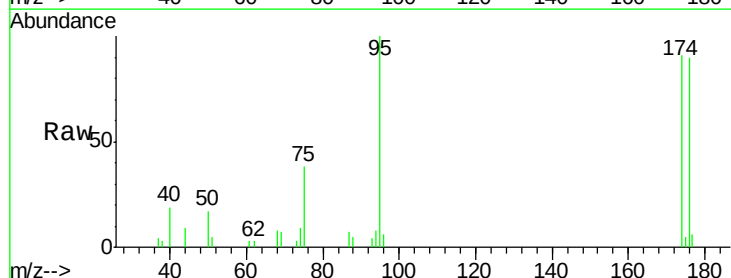
Tgt Ion: 75 Resp: 5249

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

