

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030519\
 Data File : VD060949.D
 Acq On : 5 Mar 2019 15:25
 Operator : VA/AP
 Sample : K1714-10RE
 Misc : 6.45g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-B-8-11RE

Quant Time: Mar 06 04:07:53 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	7.06	168	575939	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1025808	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	851895	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	386901	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	168014	35.29	ug/l	0.02
Spiked Amount			Recovery	=	70.58%	
35) Dibromofluoromethane	6.93	113	285884	34.76	ug/l	0.02
Spiked Amount			Recovery	=	69.52%	
50) Toluene-d8	10.42	98	657699	32.14	ug/l	0.02
Spiked Amount			Recovery	=	64.28%	
62) 4-Bromofluorobenzene	13.56	95	265993	34.40	ug/l	0.00
Spiked Amount			Recovery	=	68.80%	

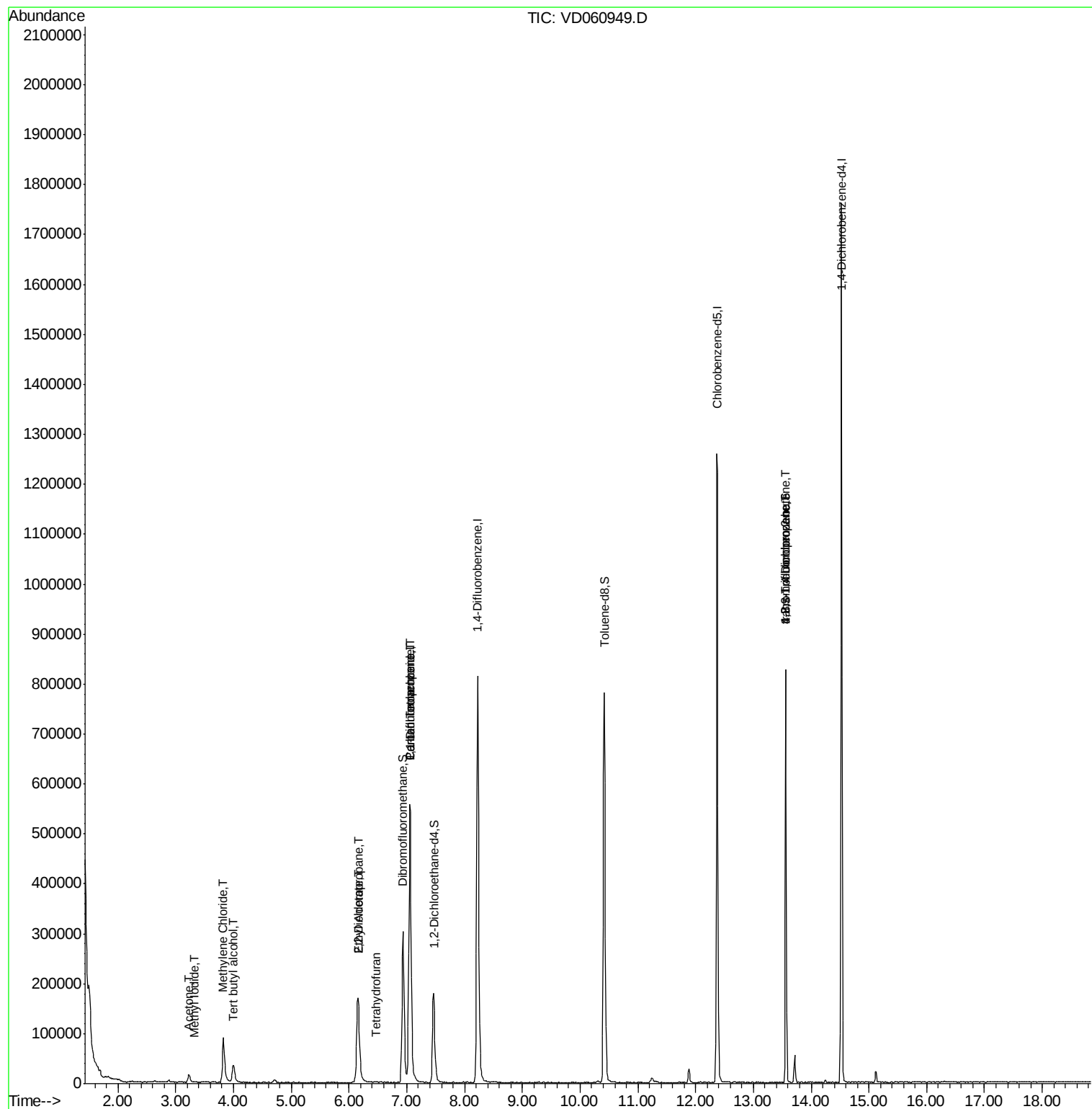
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	196	4.759	ug/l #	40
11) Tert butyl alcohol	4.00	59	34750	97.926	ug/l #	77
16) Acetone	3.22	43	30181	18.985	ug/l	98
20) Methylene Chloride	3.82	84	66315	5.562	ug/l	96
26) 2,2-Dichloropropane	6.15	77	12697	1.400	ug/l #	48
29) Tetrahydrofuran	6.47	42	1511	1.489	ug/l #	34
36) 1,1-Dichloropropene	7.05	75	42977	4.557	ug/l #	45
37) Ethyl Acetate	6.15	43	10760	2.219	ug/l #	3
38) Carbon Tetrachloride	7.05	117	56168	5.543	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	74038	11.810	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	95695	51.580	ug/l #	20
89) n-Butylbenzene	14.81	91	1007	Below Cal	#	29

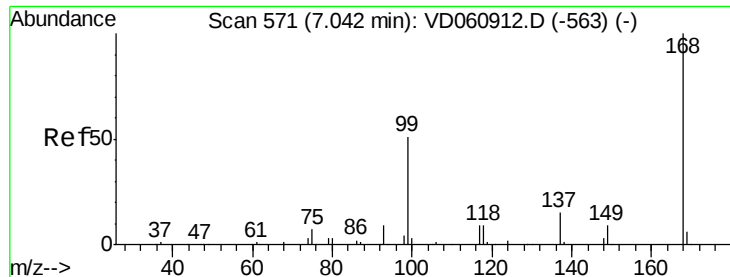
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030519\
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Quant Time: Mar 06 04:07:53 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: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD060949.D

Acq: 5 Mar 2019 15:25

Instrument :

MSVOA_D

ClientSampleId :

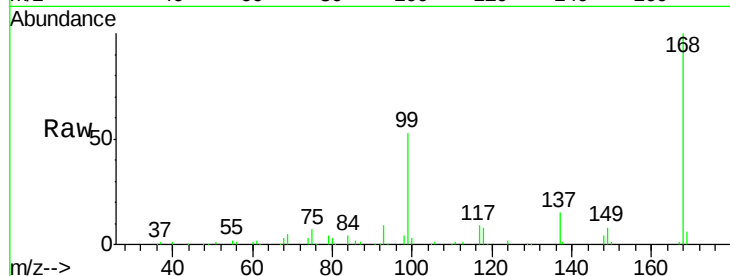
SB-B-8-11RE

Tot Ion:168 Resp: 575939

Ion Ratio Lower Upper

168 100

99 52.7 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.06

200000

150000

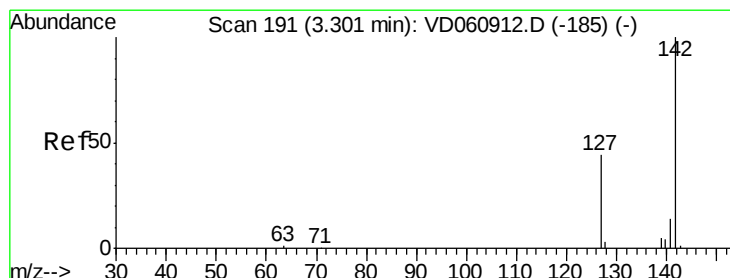
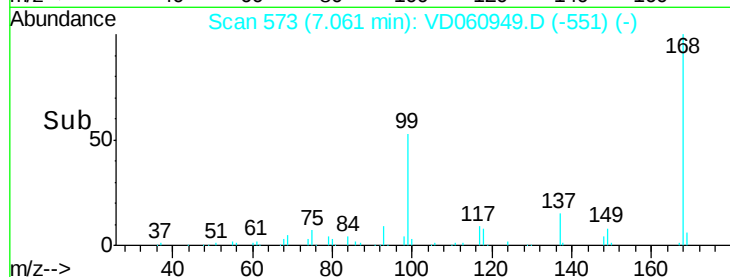
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 4.759 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD060949.D

Acq: 5 Mar 2019 15:25

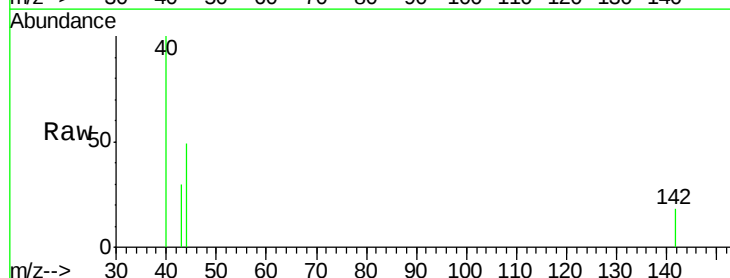
Tgt Ion:142 Resp: 196

Ion Ratio Lower Upper

142 100

127 0.0 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

500

400

300

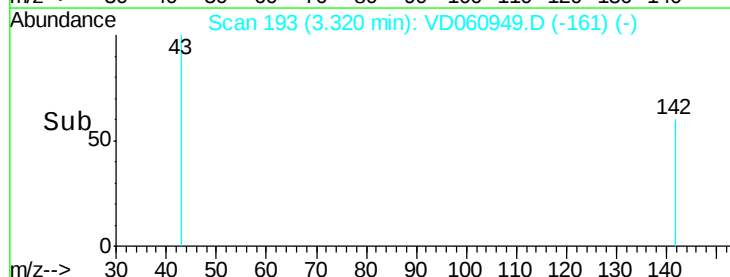
200

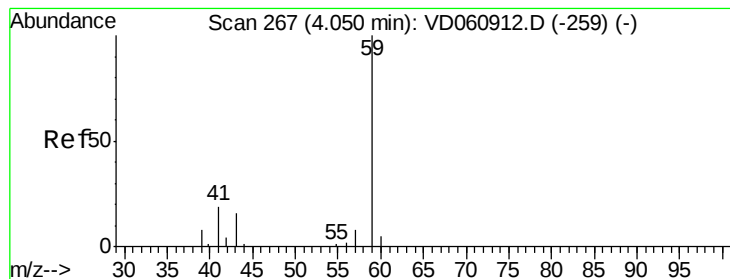
100

0

Time-->

3.30 3.32 3.34





#11

Tert butyl alcohol

Concen: 97.926 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.05 min

Lab File: VD060949.D

Acq: 5 Mar 2019 15:25

Instrument :

MSVOA_D

ClientSampleId :

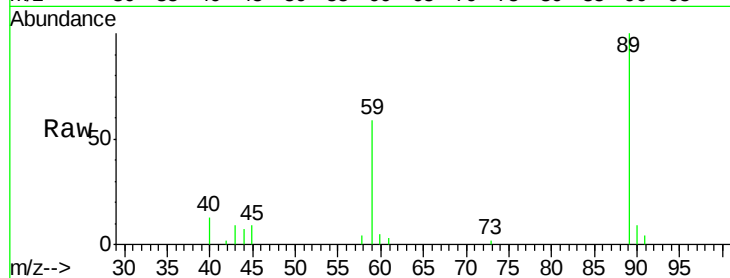
SB-B-8-11RE

Tot Ion: 59 Resp: 34750

Ion Ratio Lower Upper

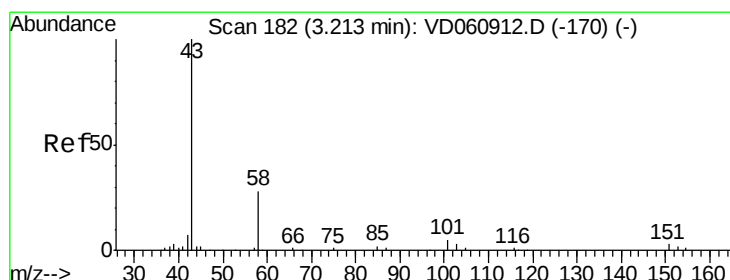
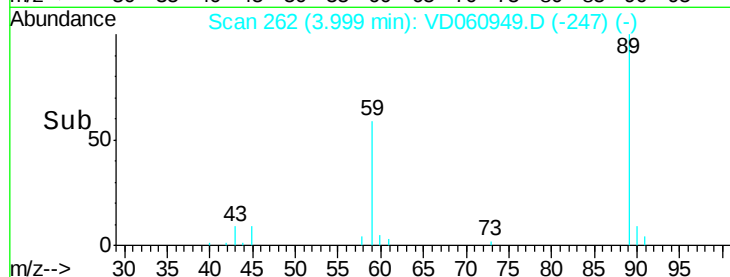
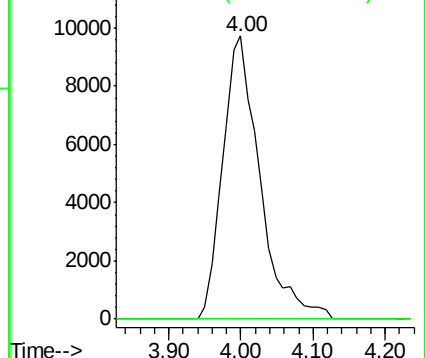
59 100

57 0.0 6.5 9.7#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#16

Acetone

Concen: 18.985 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD060949.D

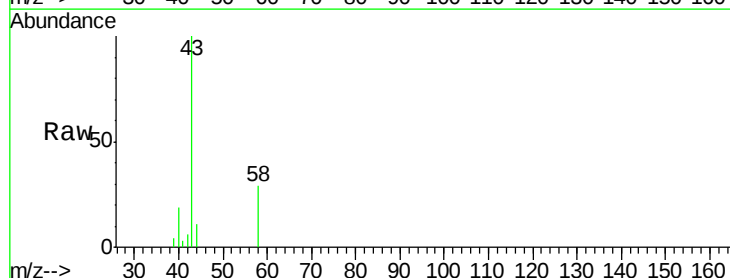
Acq: 5 Mar 2019 15:25

Tgt Ion: 43 Resp: 30181

Ion Ratio Lower Upper

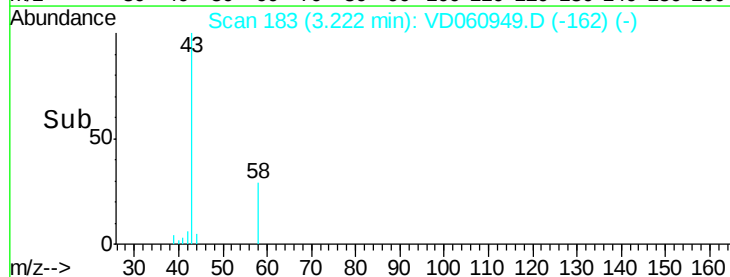
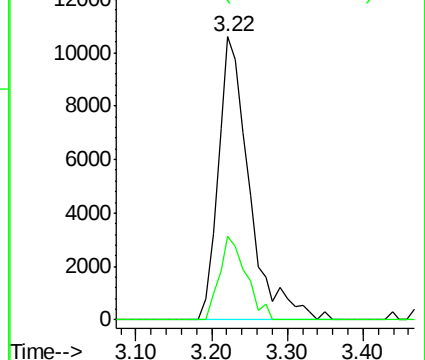
43 100

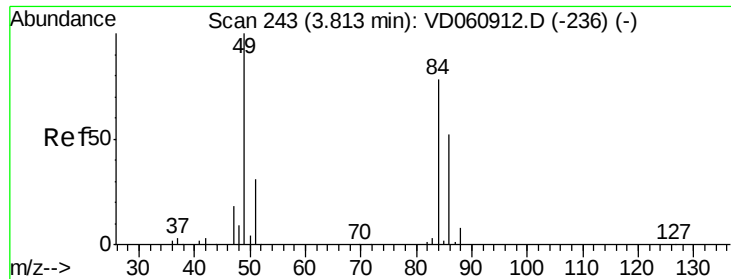
58 29.4 22.8 34.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

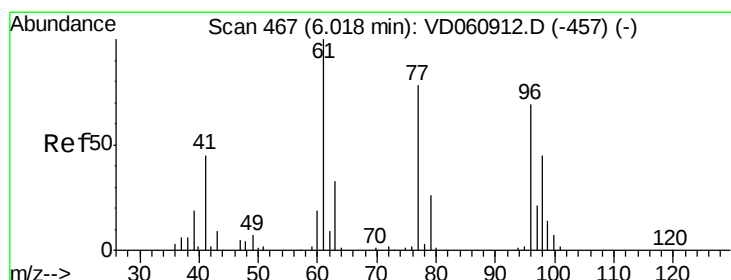
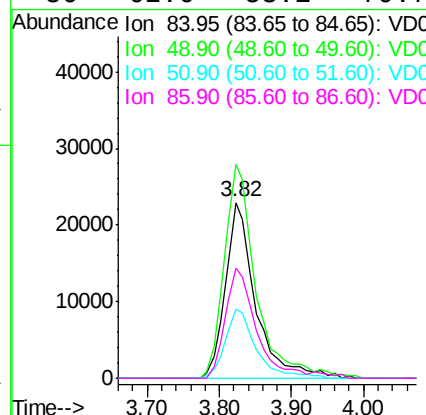
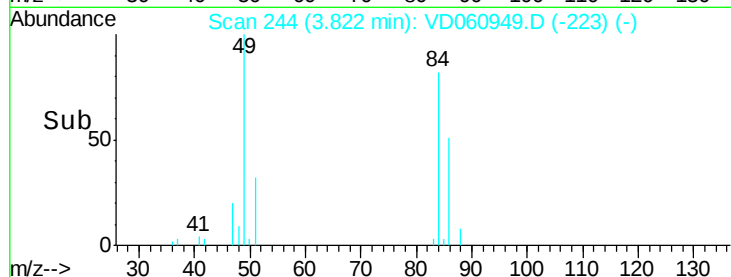
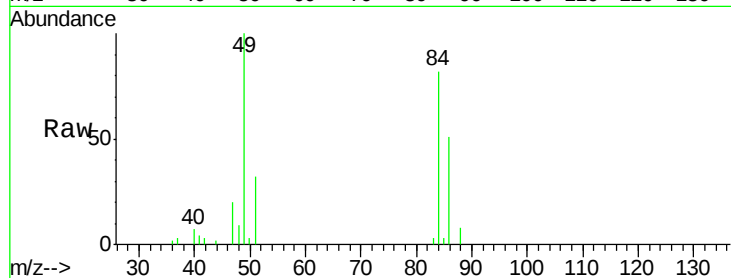




#20
Methvlene Chloride
Concen: 5.562 ug/l
RT: 3.82 min Scan# 244
Delta R.T. 0.01 min
Lab File: VD060949.D
Acq: 5 Mar 2019 15:25

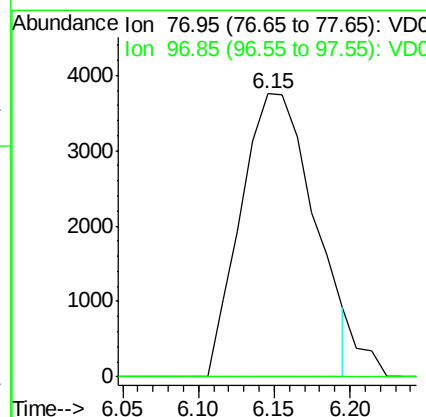
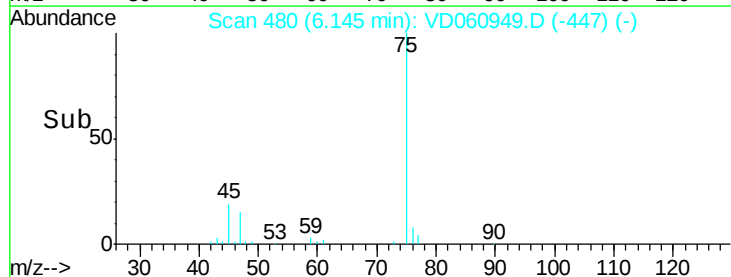
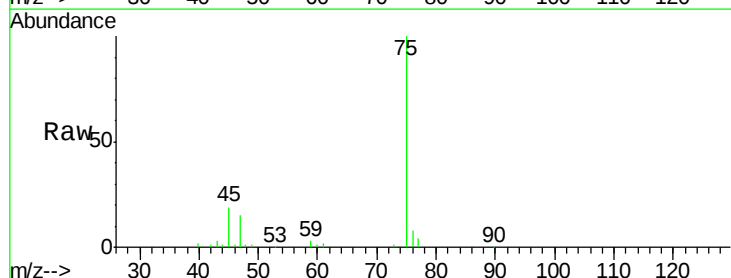
Instrument :
MSVOA_D
ClientSampleId :
SB-B-8-11RE

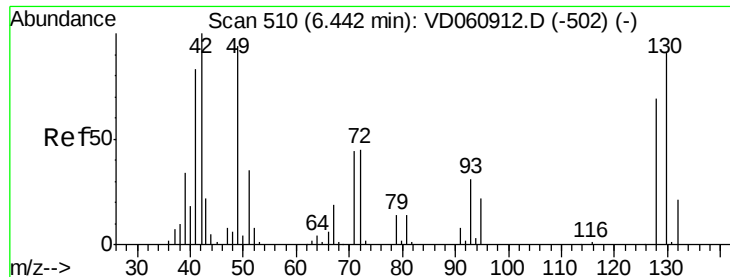
Tot Ion: 84 Resp: 66315
Ion Ratio Lower Upper
84 100
49 121.8 102.4 153.6
51 39.6 31.9 47.9
86 62.6 53.1 79.7



#26
2,2-Dichloropropane
Concen: 1.400 ug/l
RT: 6.15 min Scan# 480
Delta R.T. 0.13 min
Lab File: VD060949.D
Acq: 5 Mar 2019 15:25

Tgt Ion: 77 Resp: 12697
Ion Ratio Lower Upper
77 100
97 0.0 13.5 40.4#





#29

Tetrahydrofuran

Concen: 1.489 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD060949.D

Acq: 5 Mar 2019 15:25

Instrument :

MSVOA_D

ClientSampleId :

SB-B-8-11RE

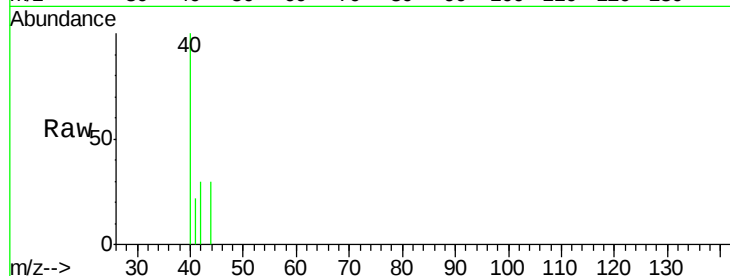
Tot Ion: 42 Resp: 1511

Ion Ratio Lower Upper

42 100

72 0.0 33.8 50.6#

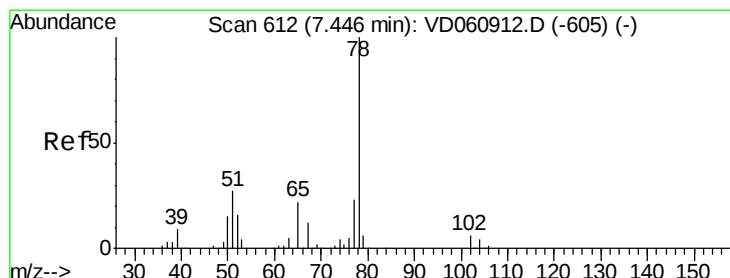
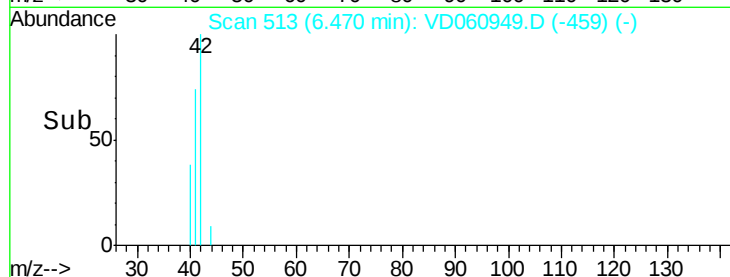
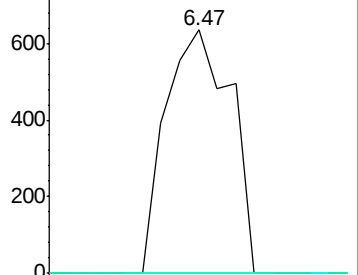
71 0.0 33.5 50.3#



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: 7.46 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD060949.D

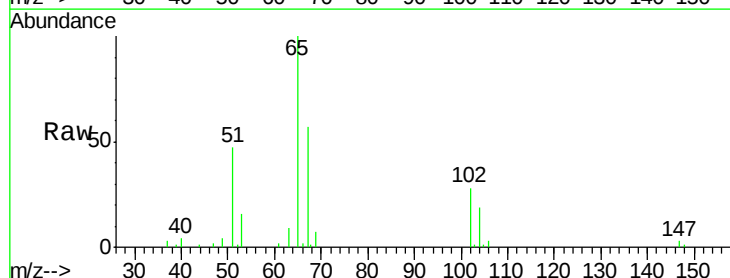
Acq: 5 Mar 2019 15:25

Tgt Ion: 65 Resp: 168014

Ion Ratio Lower Upper

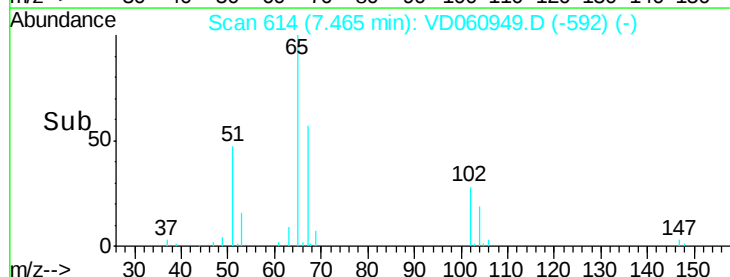
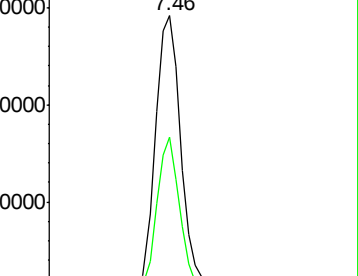
65 100

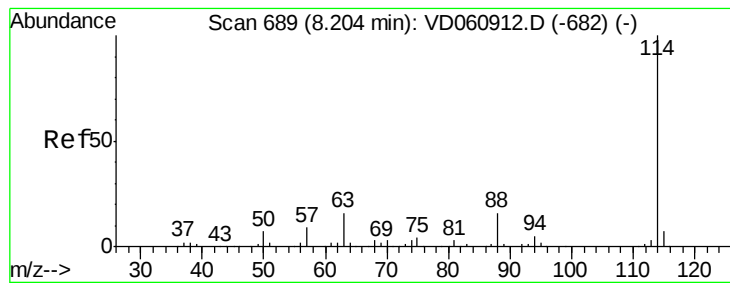
67 57.1 0.0 109.4



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: 8.23 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD060949.D

Acq: 5 Mar 2019 15:25

Instrument :

MSVOA_D

ClientSampleId :

SB-B-8-11RE

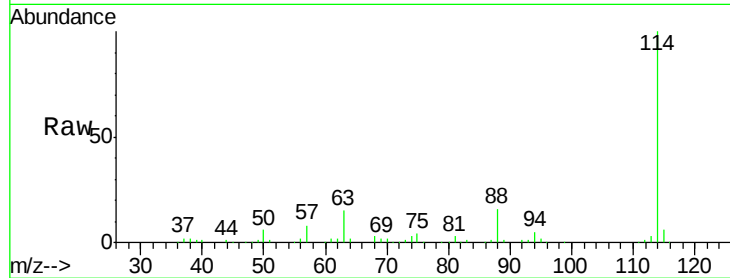
Tot Ion:114 Resp: 1025808

Ion Ratio Lower Upper

114 100

63 14.8 0.0 32.0

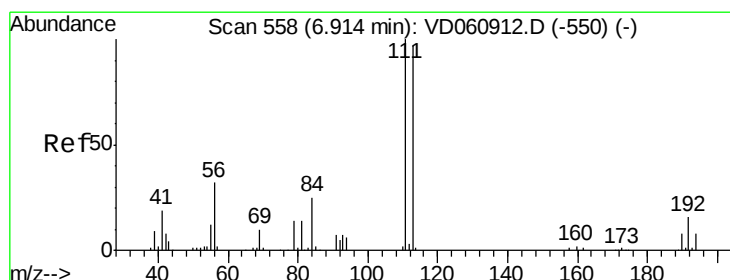
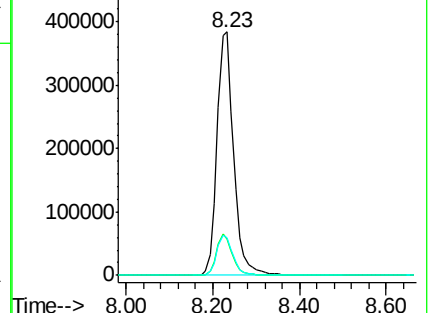
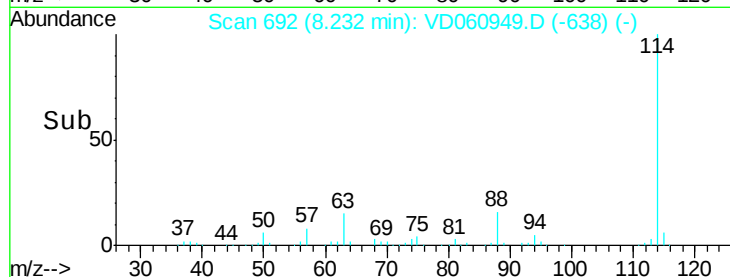
88 15.7 0.0 32.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD060949.D

Acq: 5 Mar 2019 15:25

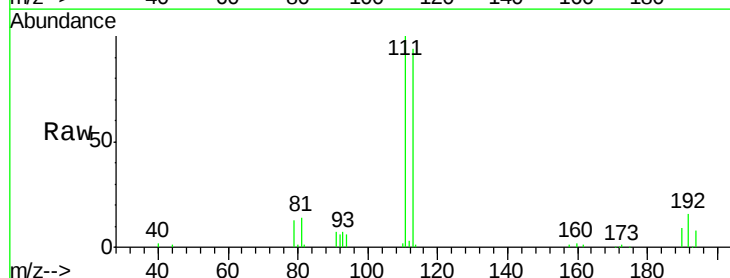
Tgt Ion:113 Resp: 285884

Ion Ratio Lower Upper

113 100

111 106.5 82.6 124.0

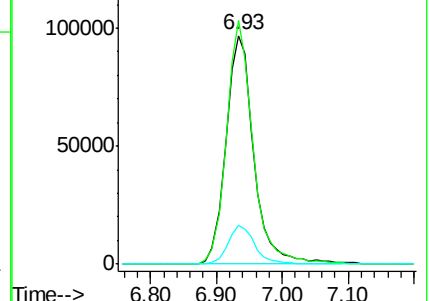
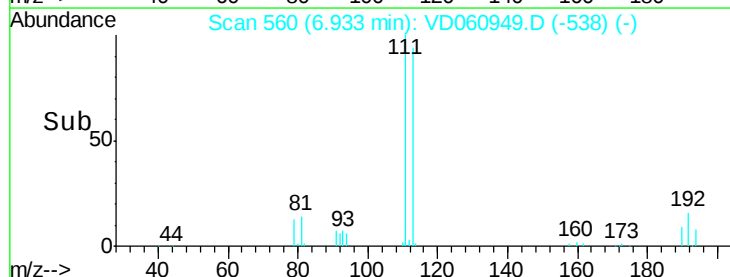
192 16.9 13.4 20.2

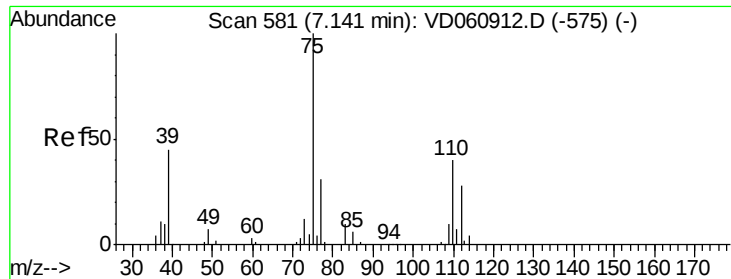


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

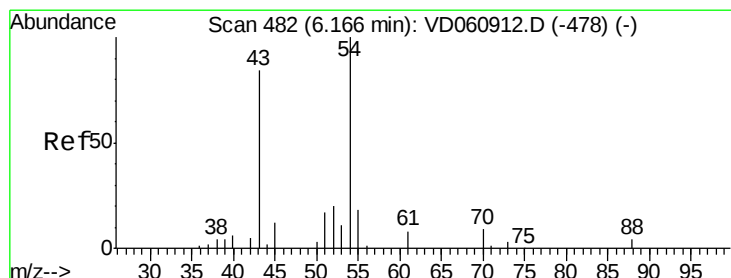
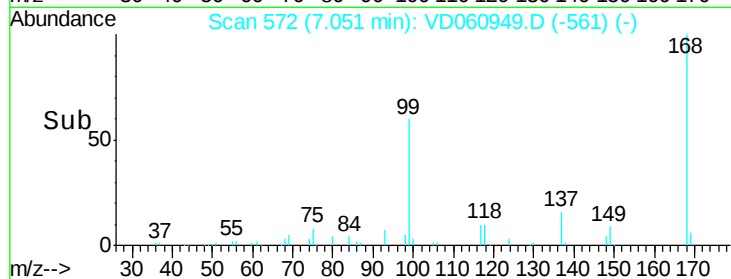
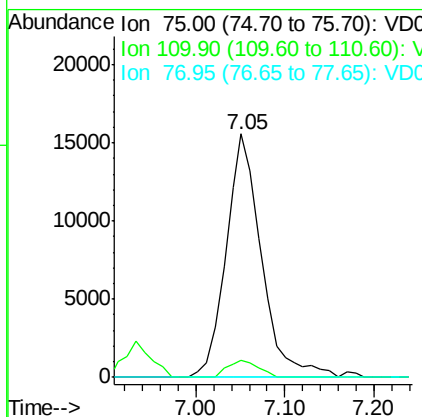
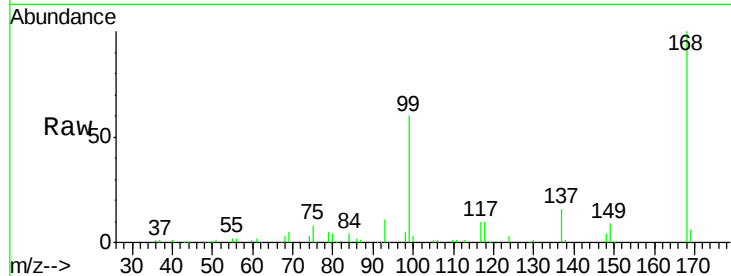




#36
 1,1-Dichloropropene
 Concen: 4.557 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.09 min
 Lab File: VD060949.D
 Acq: 5 Mar 2019 15:25

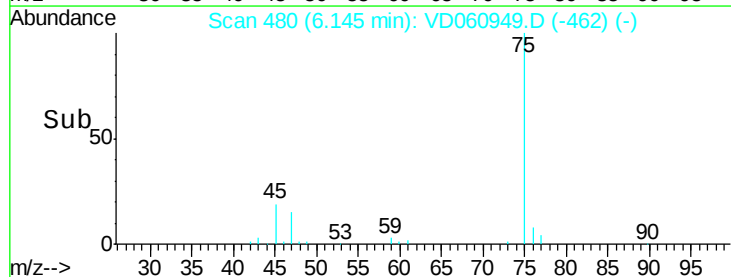
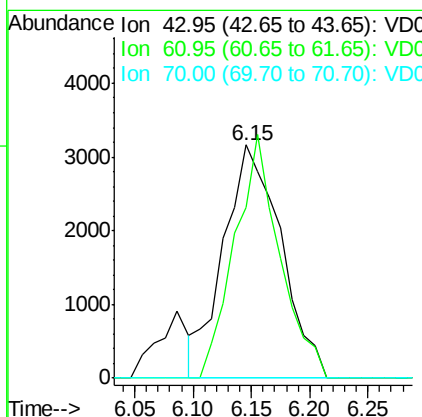
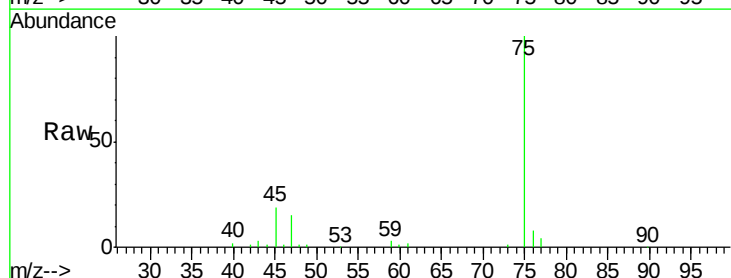
Instrument :
 MSVOA_D
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 SB-B-8-11RE

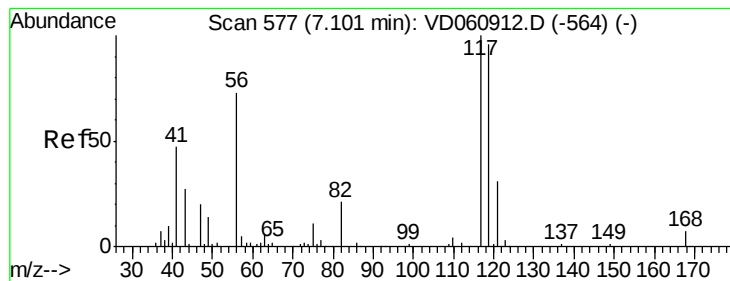
Tot Ion: 75 Resp: 42977
 Ion Ratio Lower Upper
 75 100
 110 7.0 19.9 59.7#
 77 0.0 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 2.219 ug/l
 RT: 6.15 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: VD060949.D
 Acq: 5 Mar 2019 15:25

Tgt Ion: 43 Resp: 10760
 Ion Ratio Lower Upper
 43 100
 61 73.4 12.1 18.1#
 70 0.0 7.3 10.9#





#38

Carbon Tetrachloride

Concen: 5.543 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.05 min

Lab File: VD060949.D

Acq: 5 Mar 2019 15:25

Instrument :

MSVOA_D

ClientSampleId :

SB-B-8-11RE

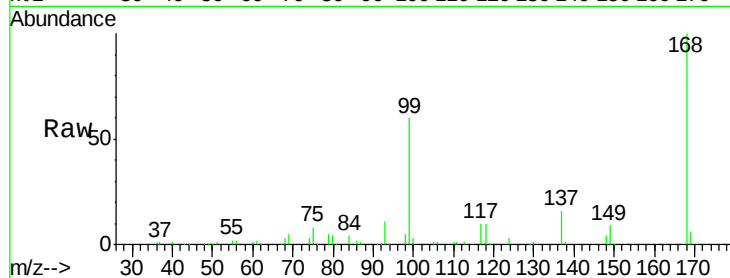
Tot Ion:117 Resp: 56168

Ion Ratio Lower Upper

117 100

119 2.8 76.9 115.3#

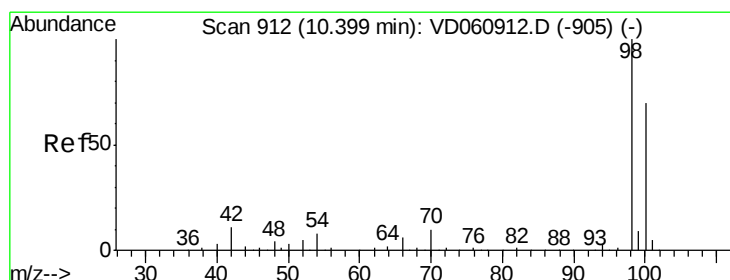
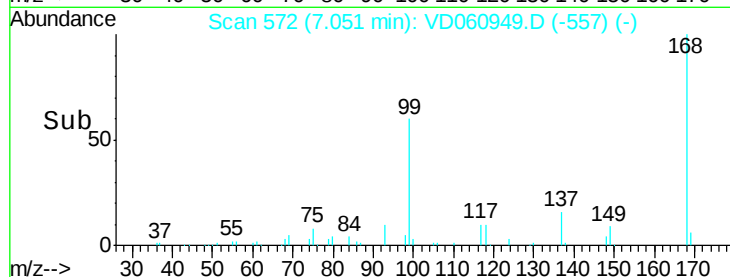
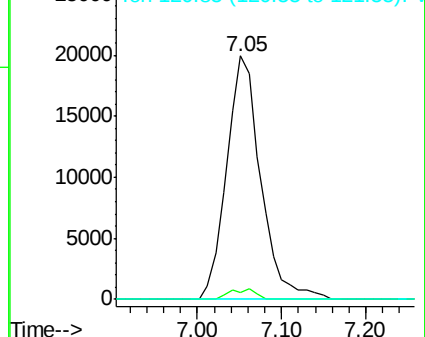
121 0.0 24.5 36.7#



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: VD060949.D

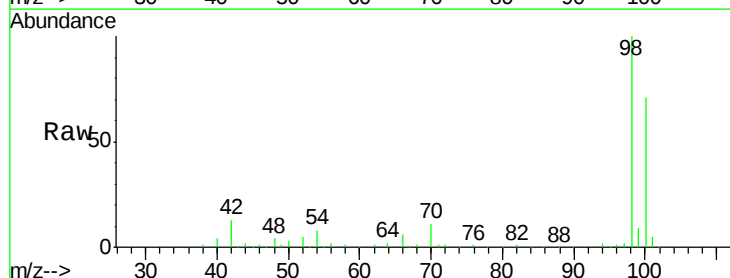
Acq: 5 Mar 2019 15:25

Tgt Ion: 98 Resp: 657699

Ion Ratio Lower Upper

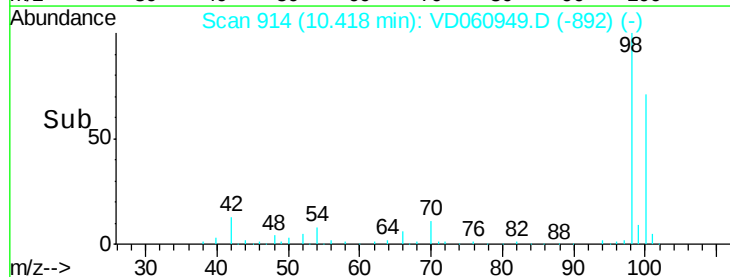
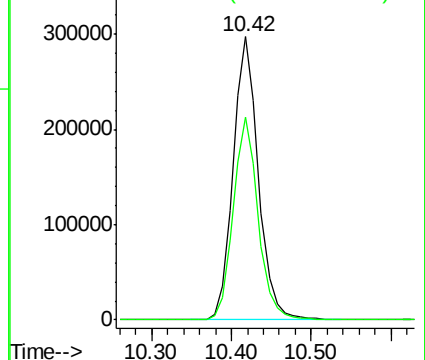
98 100

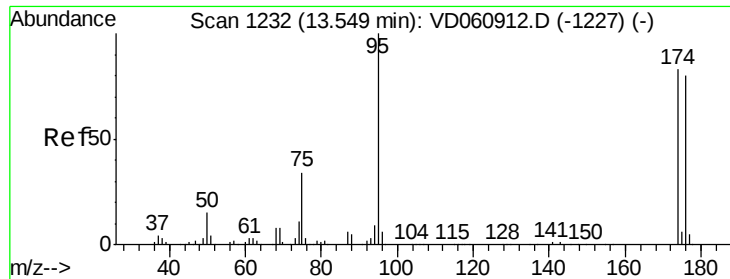
100 71.4 57.0 85.4



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: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD060949.D

Acq: 5 Mar 2019 15:25

Instrument :

MSVOA_D

ClientSampleId :

SB-B-8-11RE

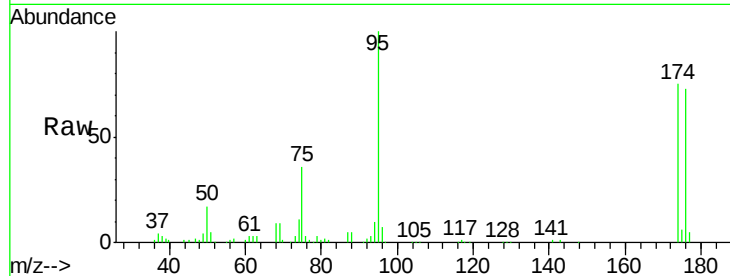
Tot Ion: 95 Resp: 265993

Ion Ratio Lower Upper

95 100

174 75.0 0.0 165.6

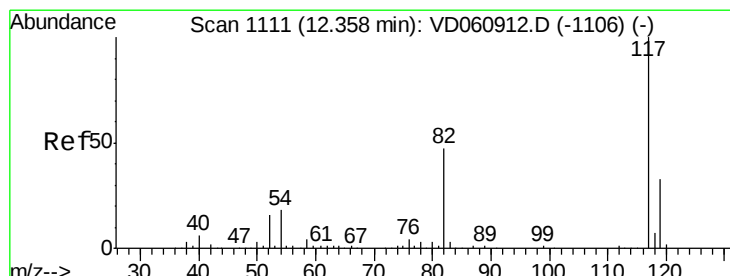
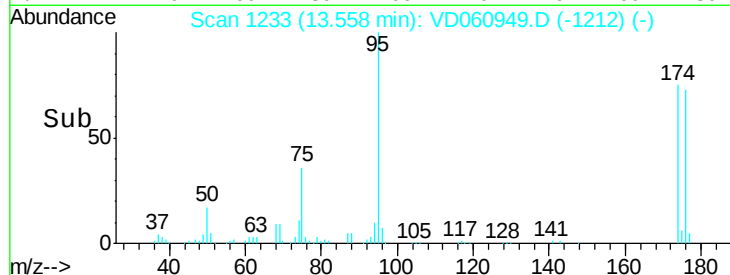
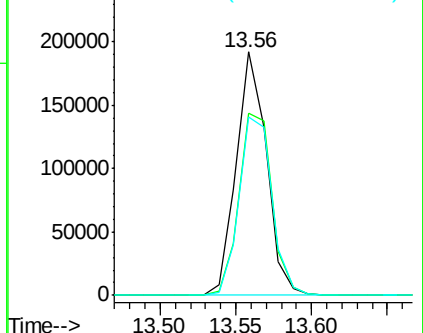
176 73.2 0.0 160.6



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: 12.38 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VD060949.D

Acq: 5 Mar 2019 15:25

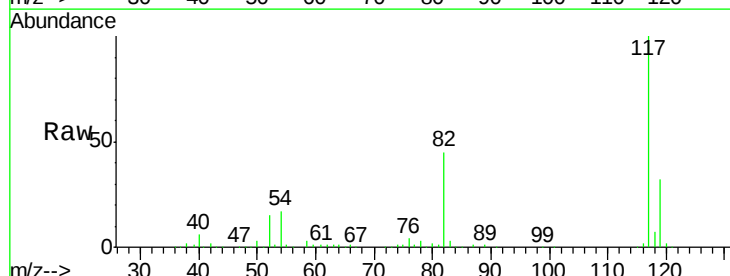
Tgt Ion: 117 Resp: 851895

Ion Ratio Lower Upper

117 100

82 45.2 37.5 56.3

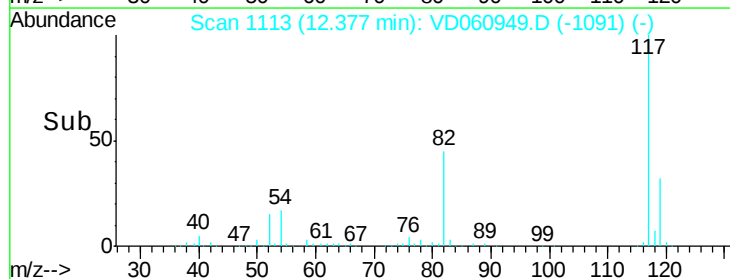
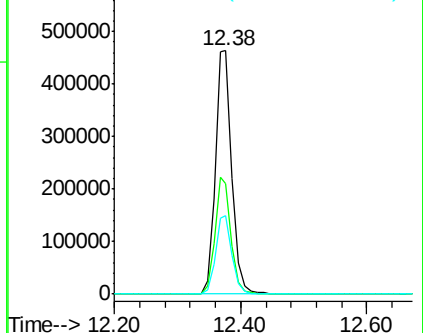
119 32.3 26.2 39.2

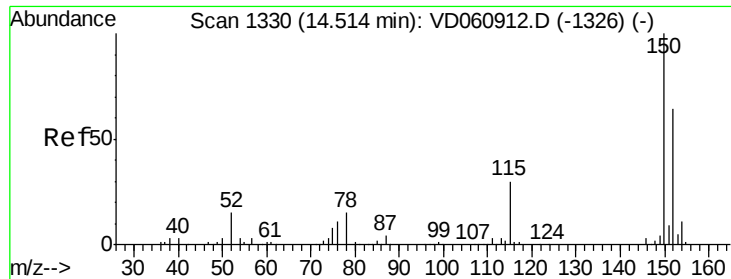


Abundance Ion 116.95 (116.65 to 117.65): V

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: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060949.D

Acq: 5 Mar 2019 15:25

Instrument :

MSVOA_D

ClientSampleId :

SB-B-8-11RE

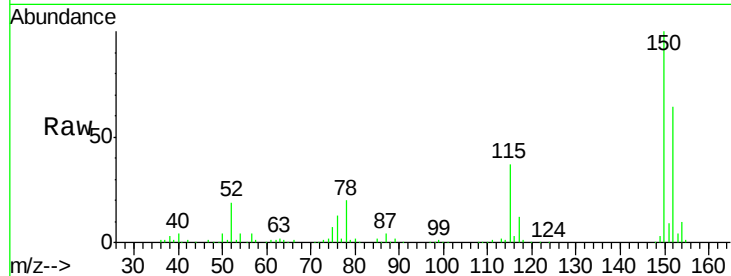
Tot Ion:152 Resp: 386901

Ion Ratio Lower Upper

152 100

115 58.5 27.6 82.8

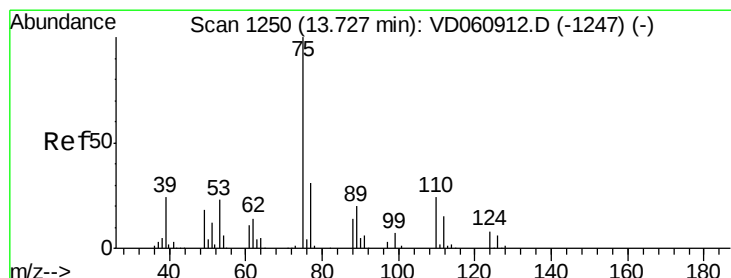
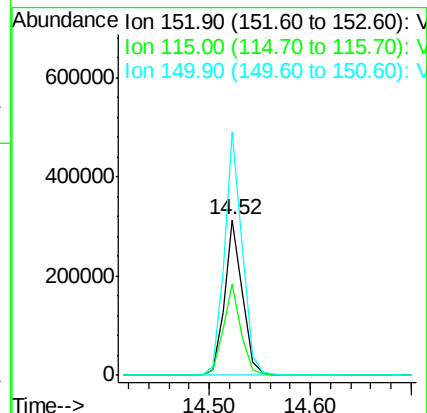
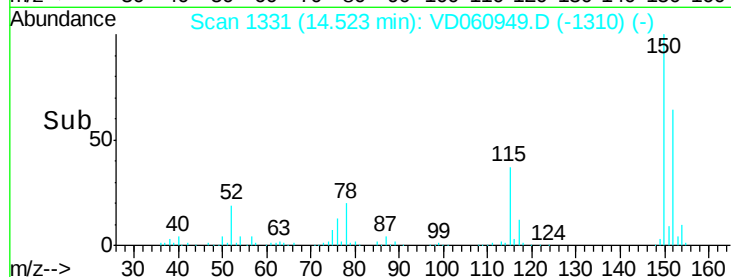
150 156.3 0.0 312.8



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: 11.810 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.17 min

Lab File: VD060949.D

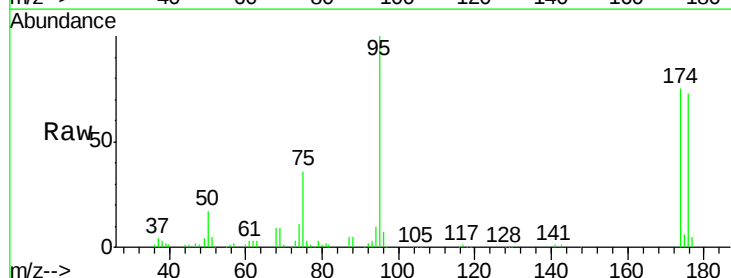
Acq: 5 Mar 2019 15:25

Tgt Ion: 75 Resp: 74038

Ion Ratio Lower Upper

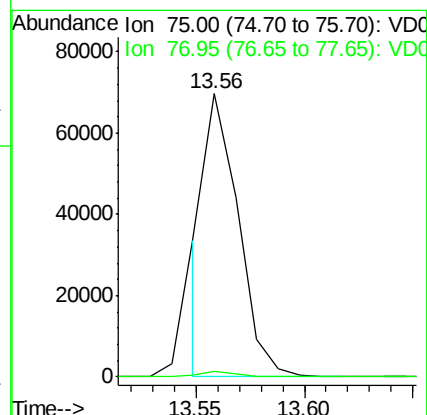
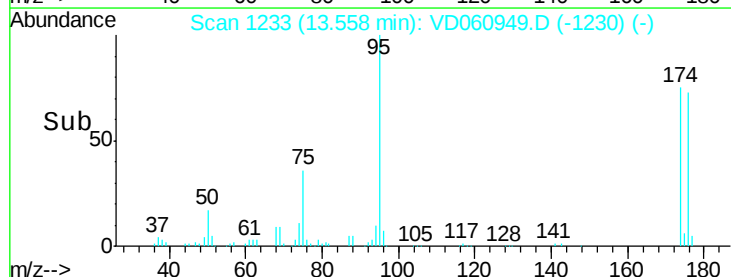
75 100

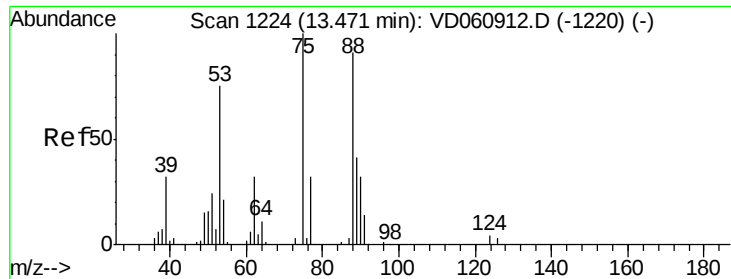
77 2.0 16.2 48.6#



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: 51.580 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060949.D

Acq: 5 Mar 2019 15:25

Instrument :

MSVOA_D

ClientSampleId :

SB-B-8-11RE

Tot Ion: 75 Resp: 95695

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.6#

89 0.0 33.0 49.6#

