

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030519\
 Data File : VD060952.D
 Acq On : 5 Mar 2019 16:49
 Operator : VA/AP
 Sample : K1714-15
 Misc : 5.94g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-C-5-8

Quant Time: Mar 06 04:08:27 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	609439	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.24	114	1066598	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	895731	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	397022	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	239214	47.48	ug/l	0.03
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	6.94	113	361408	42.27	ug/l	0.03
Spiked Amount			Recovery	=	84.54%	
50) Toluene-d8	10.42	98	822406	38.65	ug/l	0.03
Spiked Amount			Recovery	=	77.30%	
62) 4-Bromofluorobenzene	13.56	95	336617	41.86	ug/l	0.02
Spiked Amount			Recovery	=	83.72%	

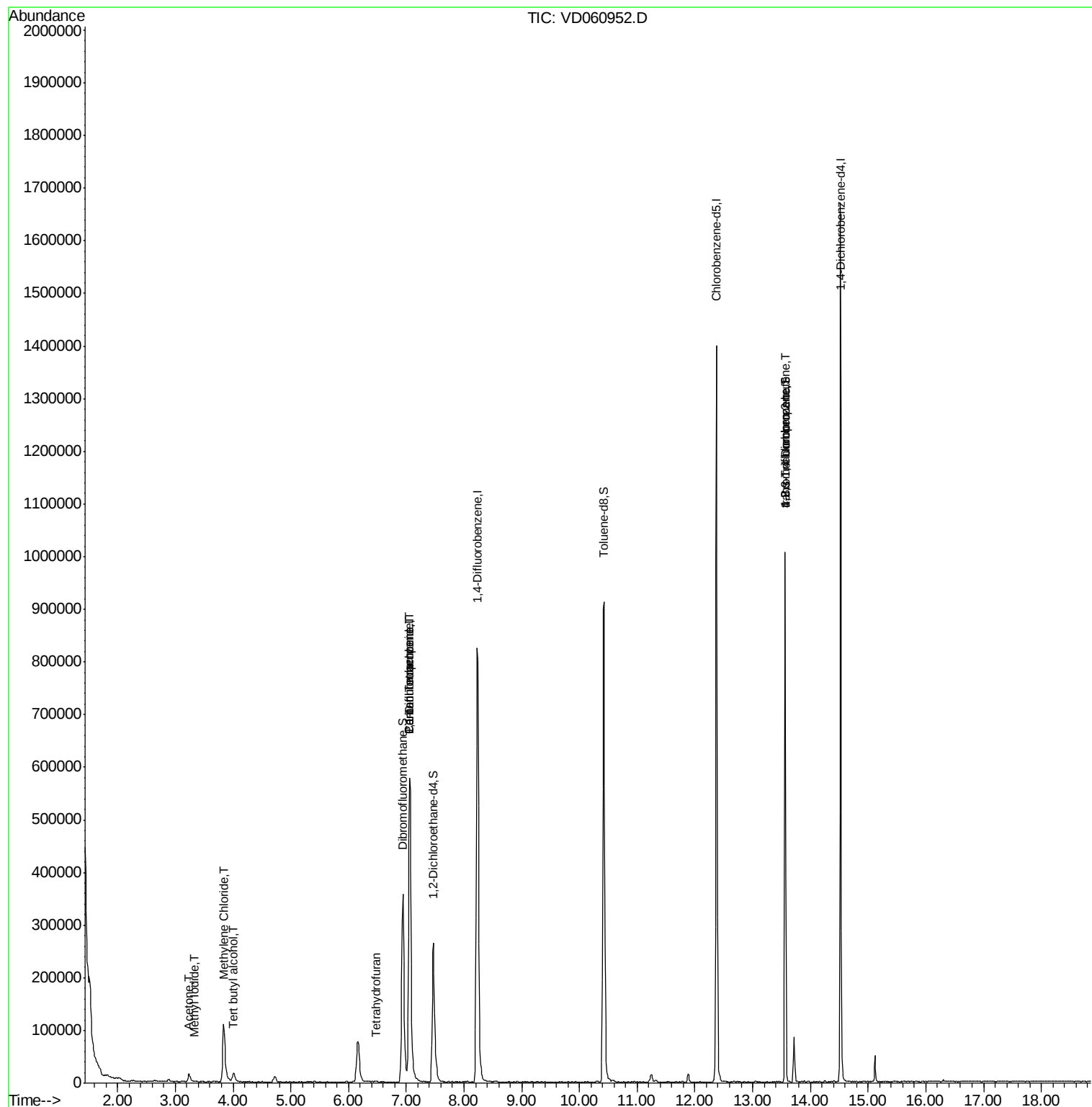
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.34	142	188	4.757	ug/l #	40
11) Tert butyl alcohol	4.02	59	15500	41.278	ug/l #	77
16) Acetone	3.24	43	32230	19.160	ug/l	97
20) Methylene Chloride	3.84	84	88907	8.092	ug/l	97
29) Tetrahydrofuran	6.48	42	1859	1.731	ug/l #	60
36) 1,1-Dichloropropene	7.06	75	47559	4.850	ug/l #	47
38) Carbon Tetrachloride	7.06	117	59789	5.675	ug/l #	16
76) 1,2,3-Trichloropropane	13.56	75	108005	16.789	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	120591	63.342	ug/l #	20
89) n-Butylbenzene	14.81	91	412	Below Cal	#	85

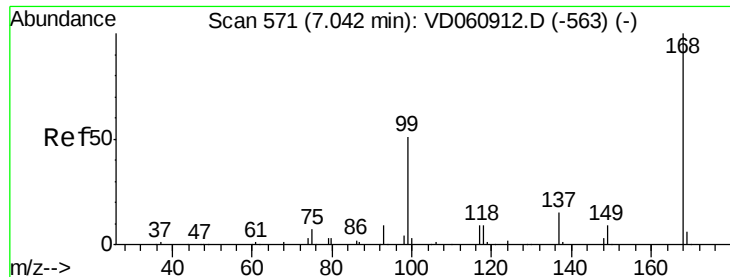
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030519\
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Quant Time: Mar 06 04:08:27 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# 572

Delta R.T. 0.02 min

Lab File: VD060952.D

Acq: 5 Mar 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

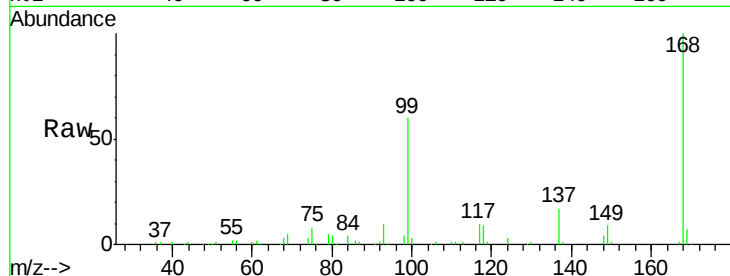
SB-C-5-8

Tot Ion:168 Resp: 609439

Ion Ratio Lower Upper

168 100

99 60.5 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

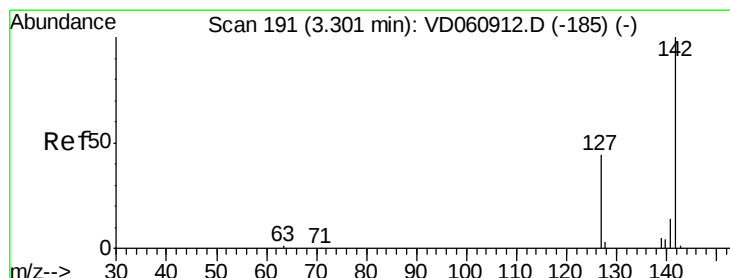
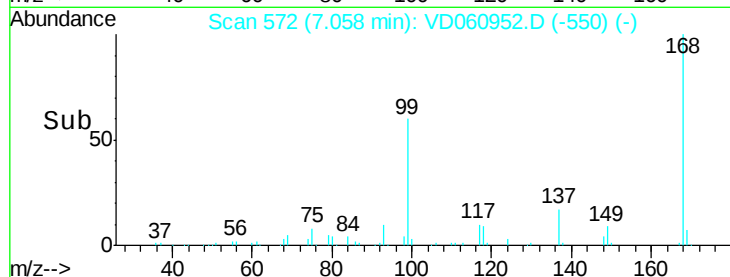
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#10

Methyl Iodide

Concen: 4.757 ug/l

RT: 3.34 min Scan# 194

Delta R.T. 0.04 min

Lab File: VD060952.D

Acq: 5 Mar 2019 16:49

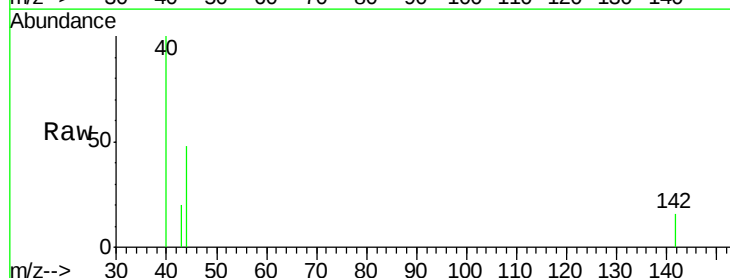
Tgt Ion:142 Resp: 188

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

3.34

400

300

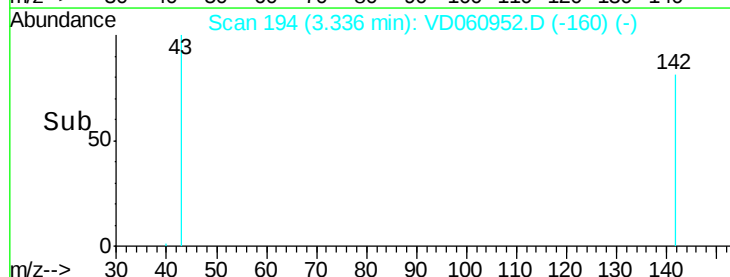
200

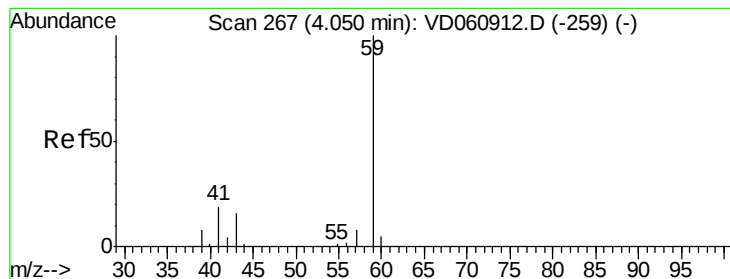
100

0

3.30 3.32 3.34 3.36

Time-->



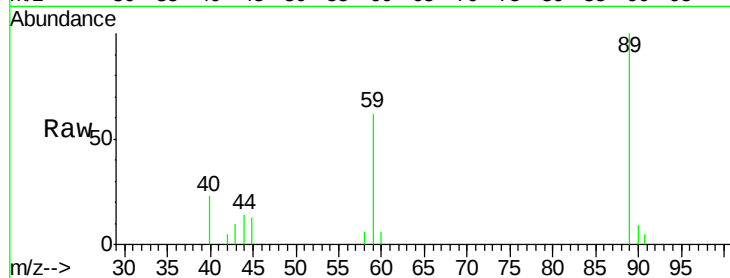


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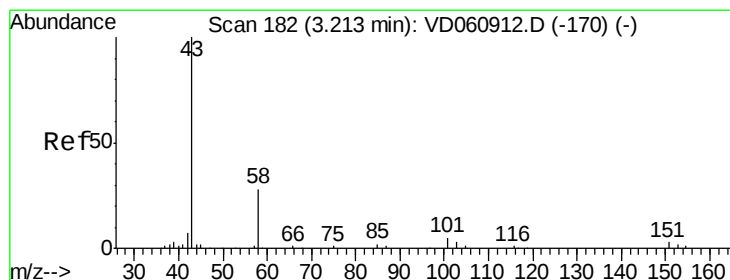
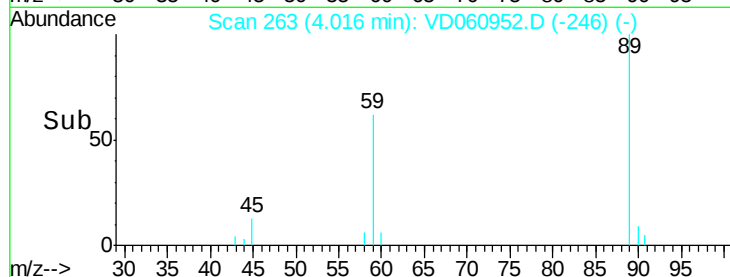
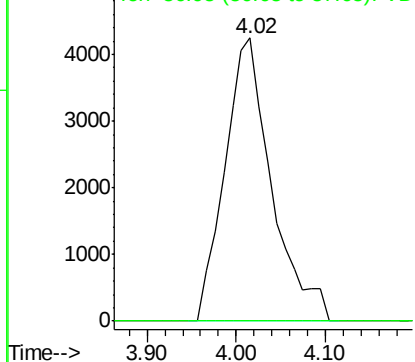
Tert butyl alcohol
 Concen: 41.278 ug/l
 RT: 4.02 min Scan# 263
 Delta R.T. -0.03 min
 Lab File: VD060952.D
 Acq: 5 Mar 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-C-5-8

Tot Ion: 59 Resp: 15500
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.5 9.7#



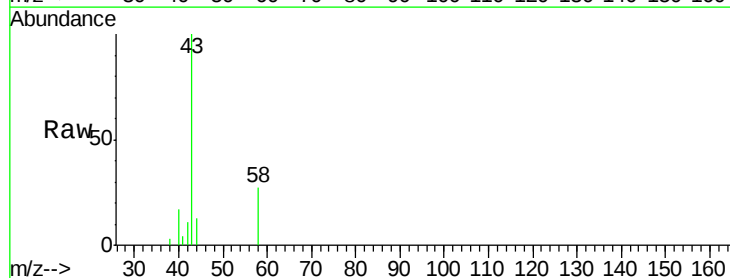
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



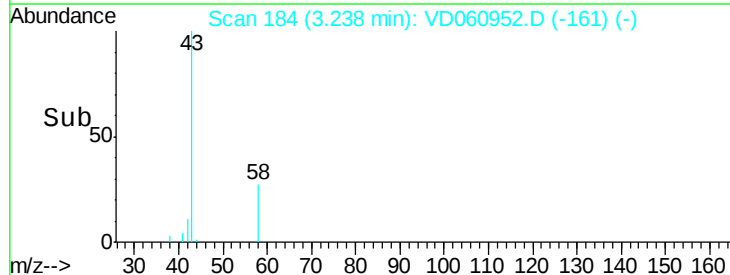
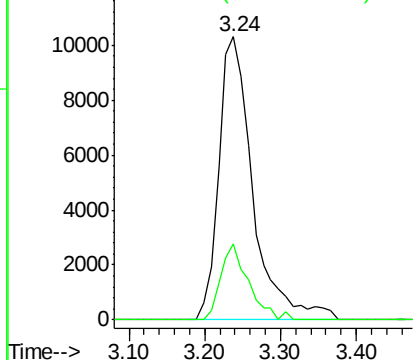
#16

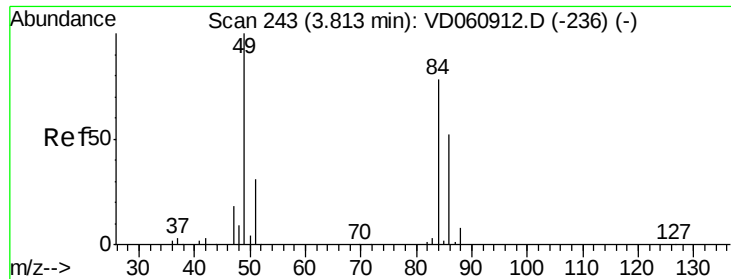
Acetone
 Concen: 19.160 ug/l
 RT: 3.24 min Scan# 184
 Delta R.T. 0.03 min
 Lab File: VD060952.D
 Acq: 5 Mar 2019 16:49

Tgt Ion: 43 Resp: 32230
 Ion Ratio Lower Upper
 43 100
 58 26.7 22.8 34.2



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

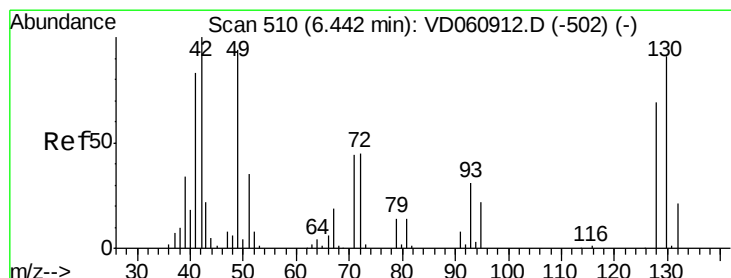
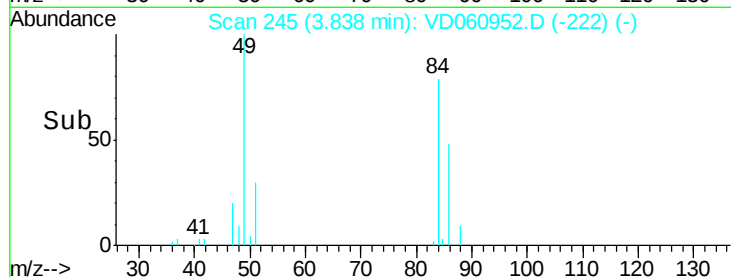
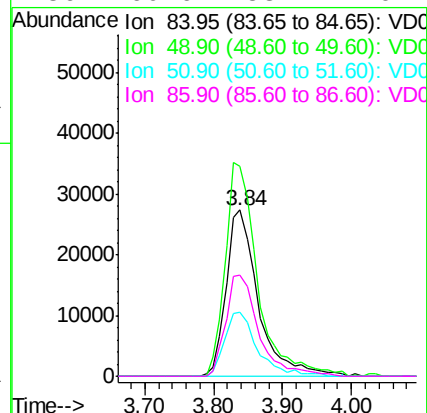
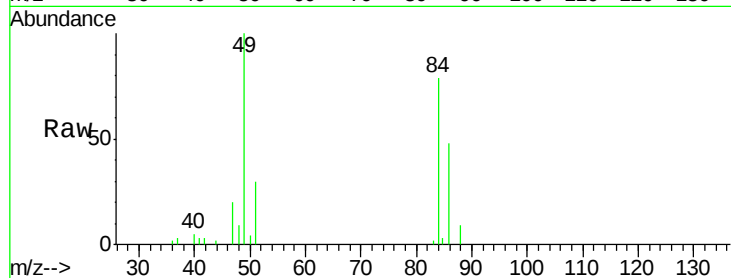




#20
Methvlene Chloride
Concen: 8.092 ug/l
RT: 3.84 min Scan# 245
Delta R.T. 0.03 min
Lab File: VD060952.D
Acq: 5 Mar 2019 16:49

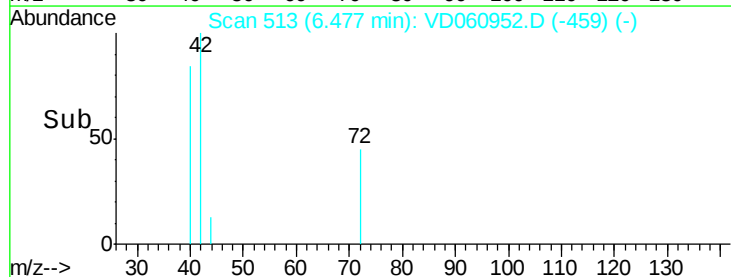
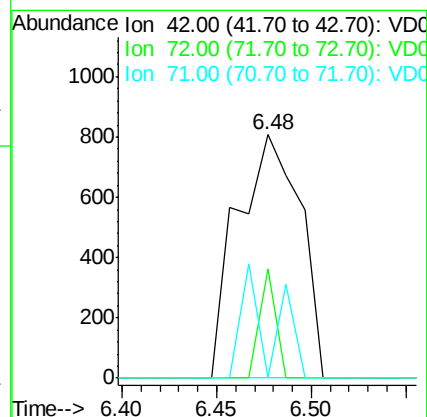
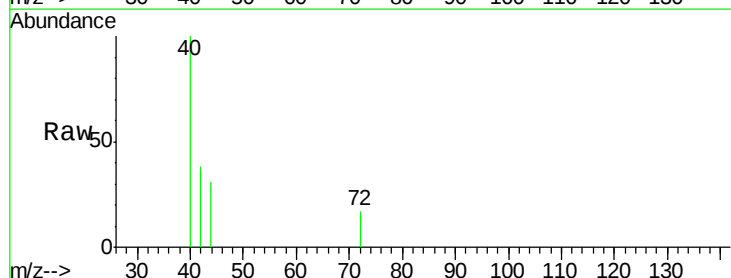
Instrument :
MSVOA_D
ClientSampleId :
SB-C-5-8

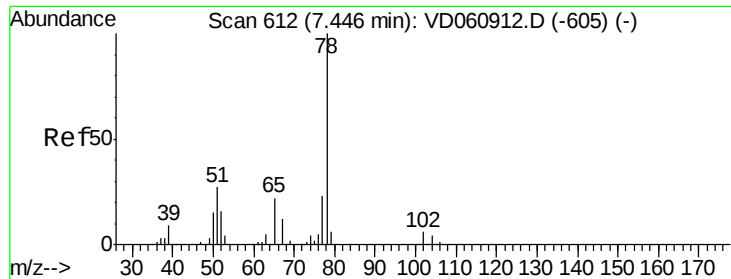
Tot Ion: 84 Resp: 88907
Ion Ratio Lower Upper
84 100
49 126.7 102.4 153.6
51 38.3 31.9 47.9
86 60.6 53.1 79.7



#29
Tetrahydrofuran
Concen: 1.731 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.04 min
Lab File: VD060952.D
Acq: 5 Mar 2019 16:49

Tgt Ion: 42 Resp: 1859
Ion Ratio Lower Upper
42 100
72 11.5 33.8 50.6#
71 22.0 33.5 50.3#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD060952.D

Acq: 5 Mar 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

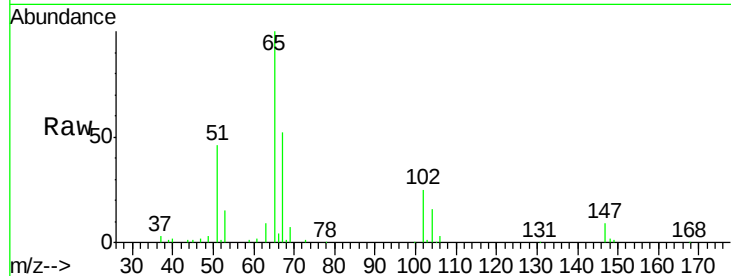
SB-C-5-8

Tot Ion: 65 Resp: 239214

Ion Ratio Lower Upper

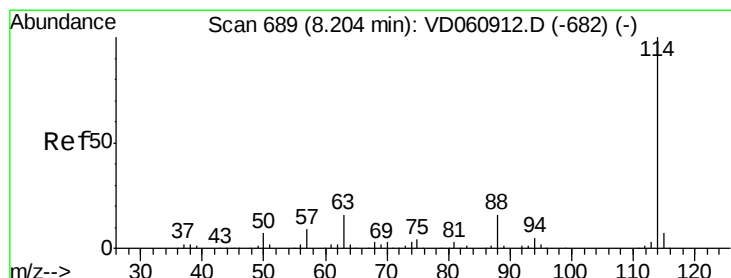
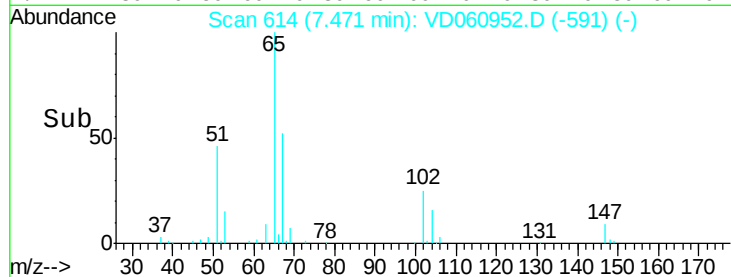
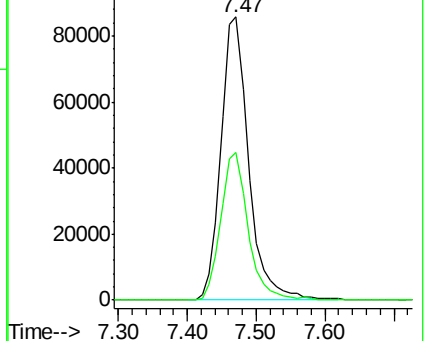
65 100

67 52.0 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# 692

Delta R.T. 0.04 min

Lab File: VD060952.D

Acq: 5 Mar 2019 16:49

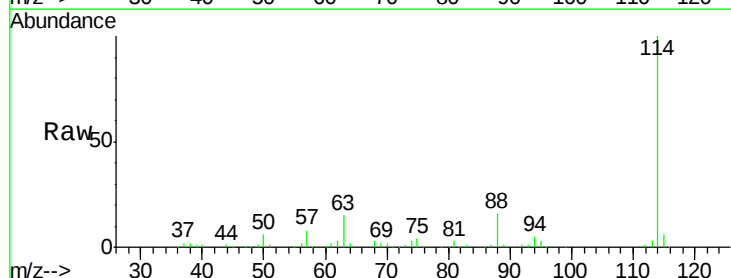
Tgt Ion: 114 Resp: 1066598

Ion Ratio Lower Upper

114 100

63 15.5 0.0 32.0

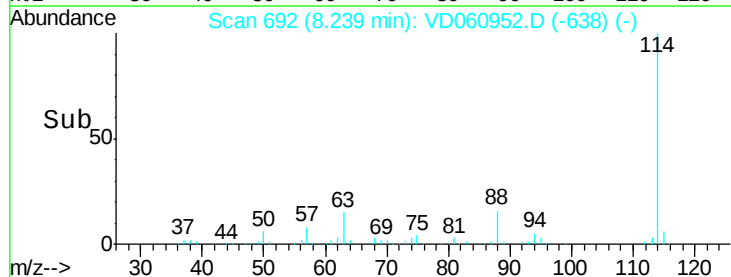
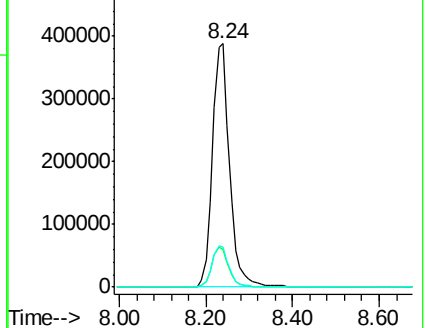
88 16.4 0.0 32.8

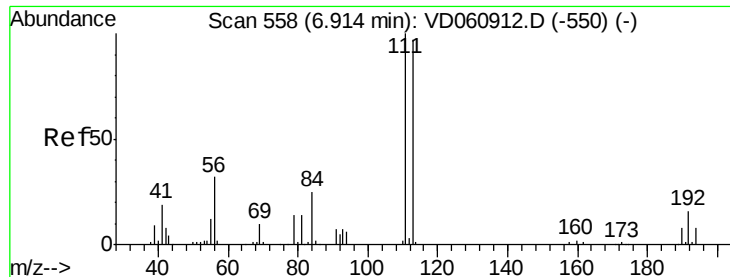


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

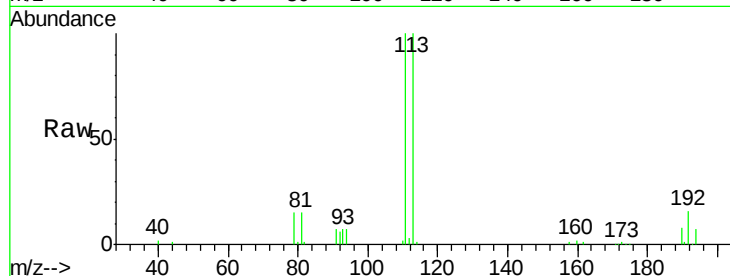




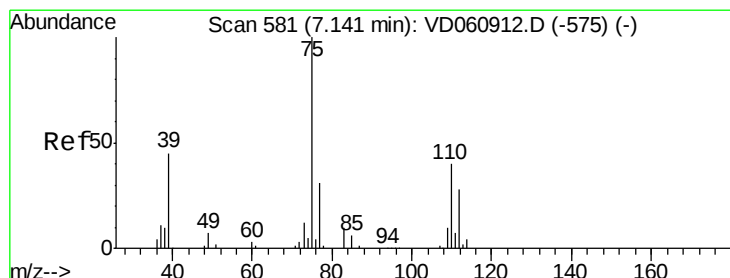
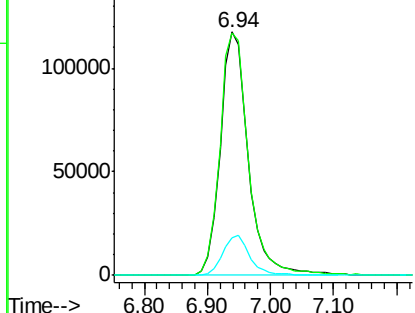
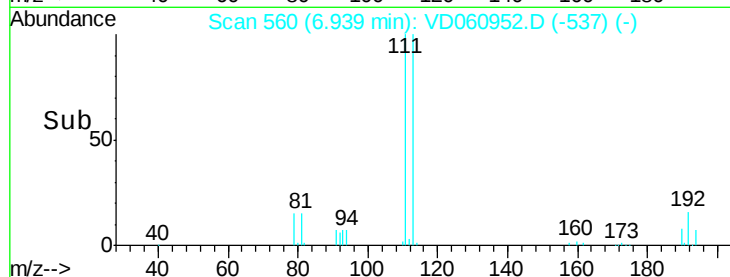
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD060952.D
 Acq: 5 Mar 2019 16:49

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-C-5-8

Tot Ion:113 Resp: 361408
 Ion Ratio Lower Upper
 113 100
 111 99.5 82.6 124.0
 192 15.6 13.4 20.2

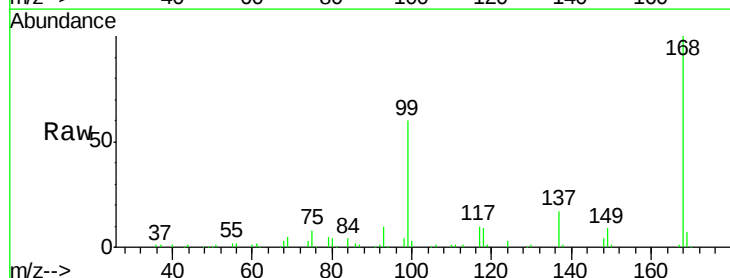


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

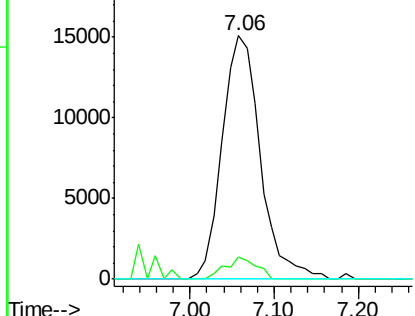
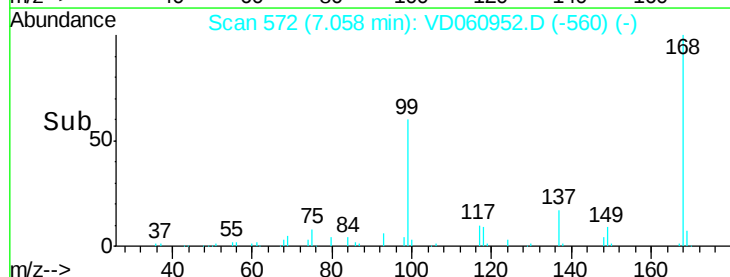


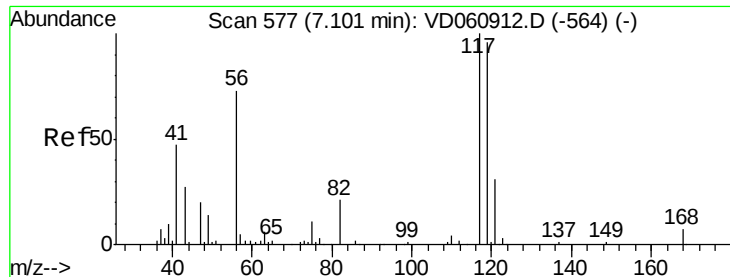
#36
 1,1-Dichloropropene
 Concen: 4.850 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.08 min
 Lab File: VD060952.D
 Acq: 5 Mar 2019 16:49

Tgt Ion: 75 Resp: 47559
 Ion Ratio Lower Upper
 75 100
 110 8.9 19.9 59.7#
 77 0.0 25.0 37.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.95 (76.65 to 77.65): VDC

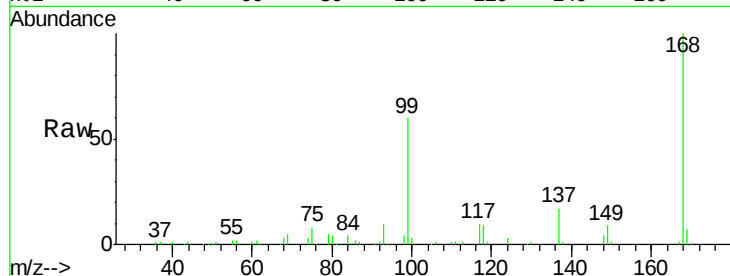




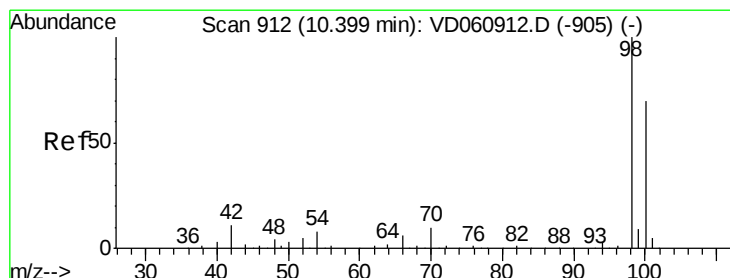
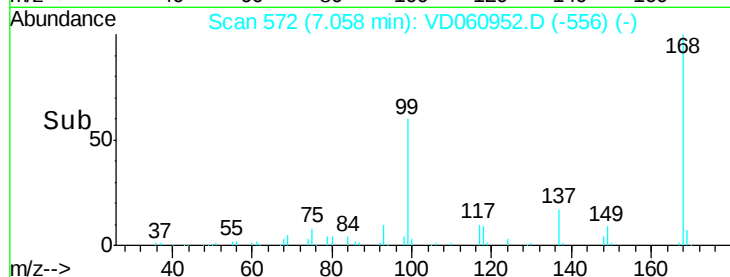
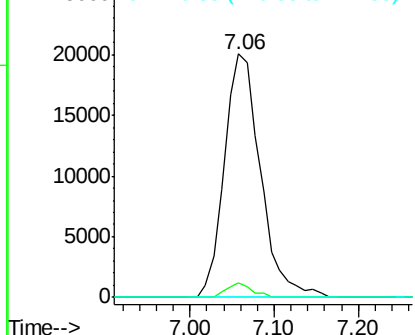
#38
Carbon Tetrachloride
Concen: 5.675 ug/l
RT: 7.06 min Scan# 572
Delta R.T. -0.04 min
Lab File: VD060952.D
Acq: 5 Mar 2019 16:49

Instrument :
MSVOA_D
ClientSampleId :
SB-C-5-8

Tot Ion:117 Resp: 59789
Ion Ratio Lower Upper
117 100
119 5.8 76.9 115.3#
121 0.0 24.5 36.7#

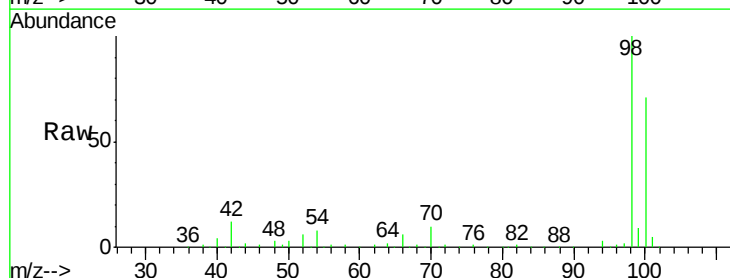


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

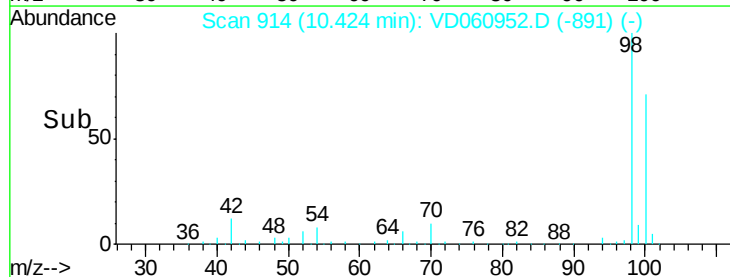
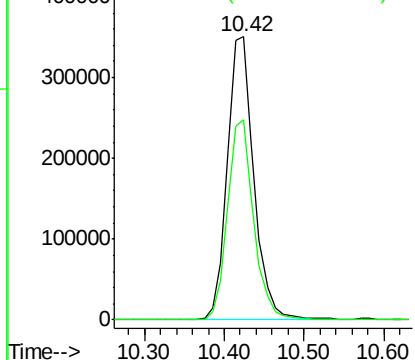


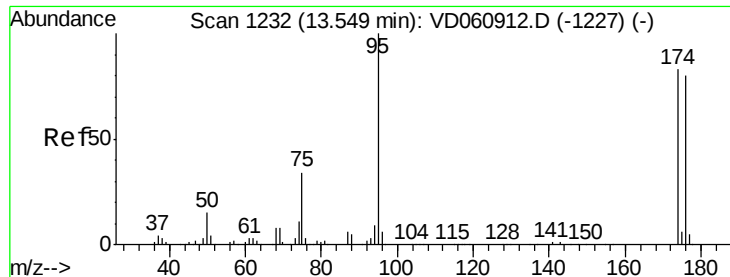
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD060952.D
Acq: 5 Mar 2019 16:49

Tgt Ion: 98 Resp: 822406
Ion Ratio Lower Upper
98 100
100 70.6 57.0 85.4



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





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.02 min

Lab File: VD060952.D

Acq: 5 Mar 2019 16:49

Instrument :

MSVOA_D

ClientSampled :

SB-C-5-8

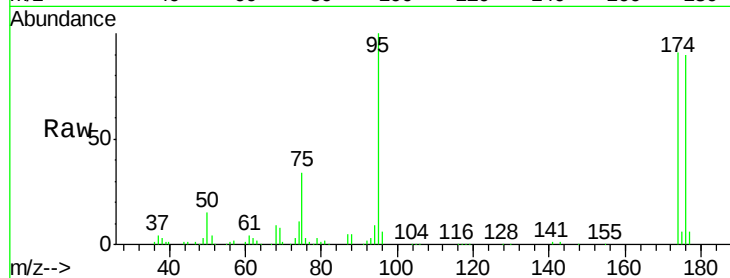
Tot Ion: 95 Resp: 336617

Ion Ratio Lower Upper

95 100

174 90.7 0.0 165.6

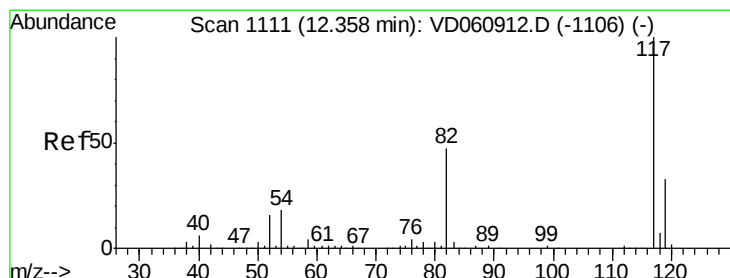
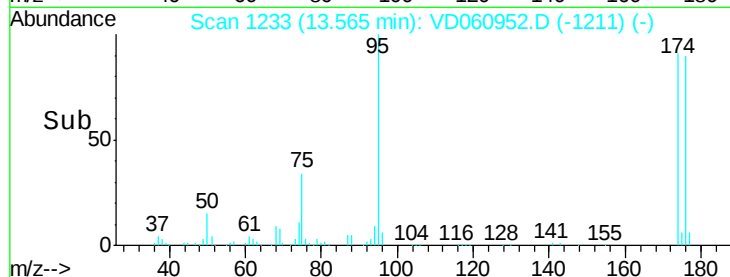
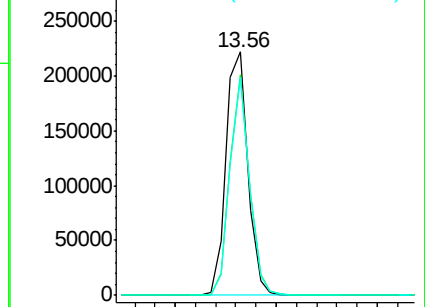
176 89.7 0.0 160.6



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: 12.37 min Scan# 1112

Delta R.T. 0.02 min

Lab File: VD060952.D

Acq: 5 Mar 2019 16:49

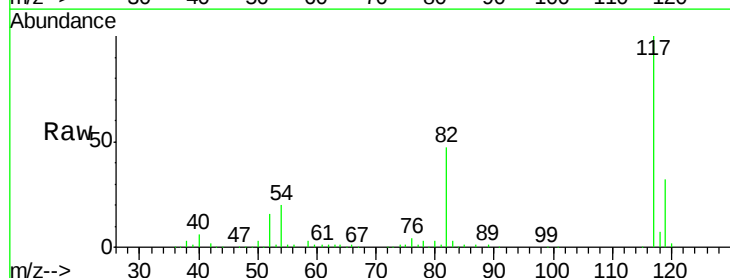
Tgt Ion: 117 Resp: 895731

Ion Ratio Lower Upper

117 100

82 46.7 37.5 56.3

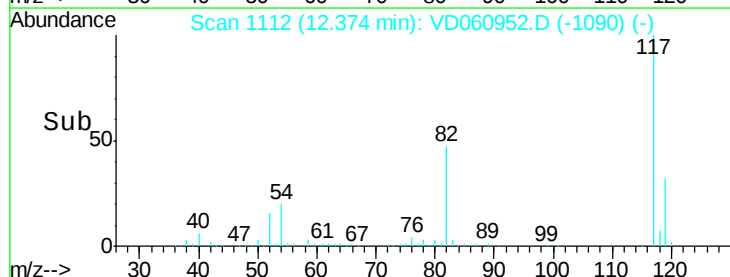
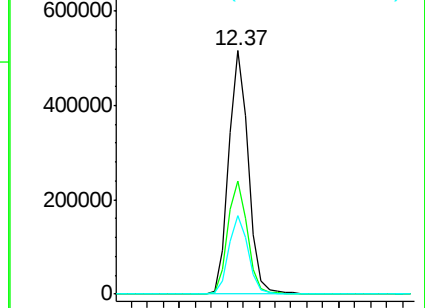
119 32.1 26.2 39.2

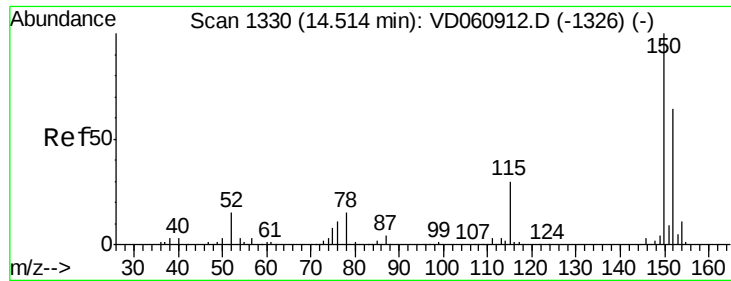


Abundance Ion 116.95 (116.65 to 117.65): V

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# 1330

Delta R.T. 0.01 min

Lab File: VD060952.D

Acq: 5 Mar 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

SB-C-5-8

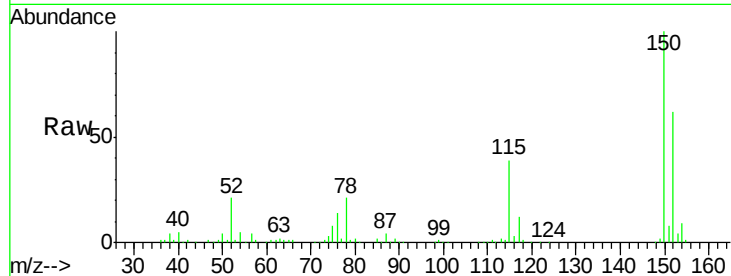
Tot Ion:152 Resp: 397022

Ion Ratio Lower Upper

152 100

115 62.3 27.6 82.8

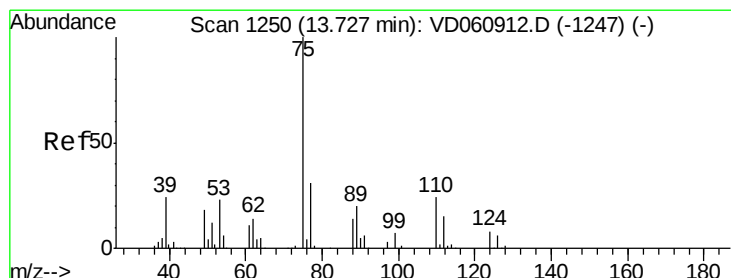
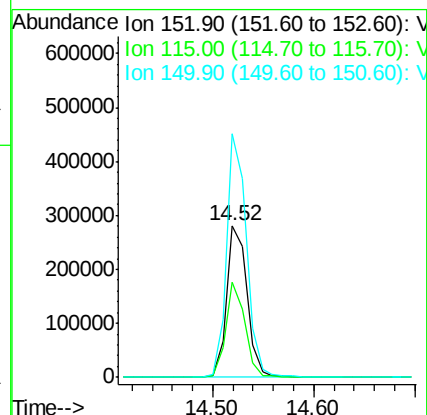
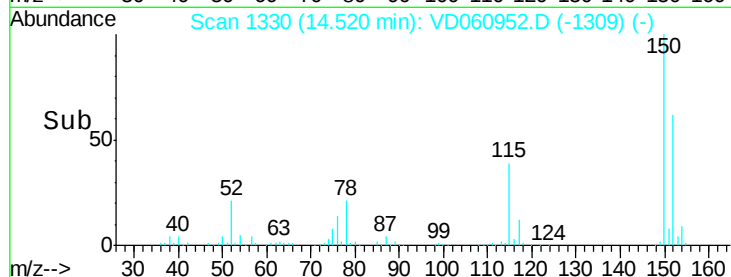
150 160.1 0.0 312.8



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: 16.789 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD060952.D

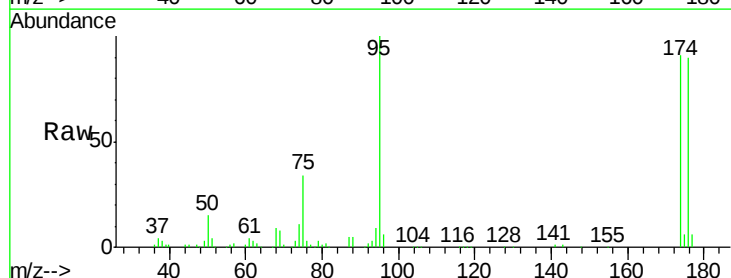
Acq: 5 Mar 2019 16:49

Tgt Ion: 75 Resp: 108005

Ion Ratio Lower Upper

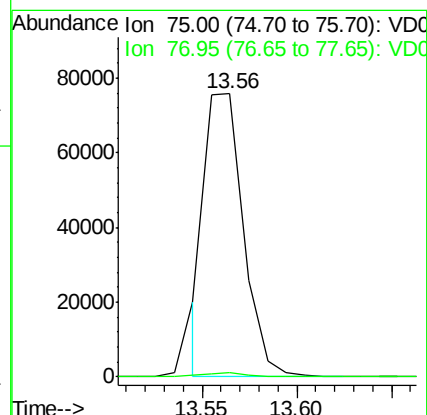
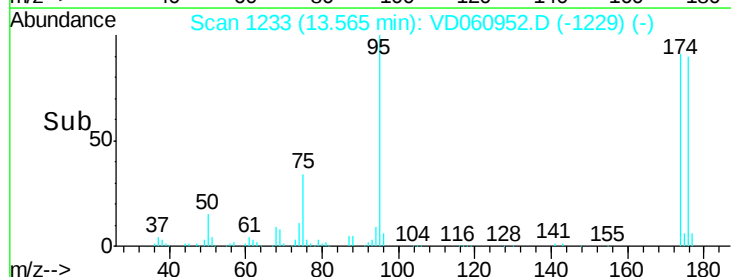
75 100

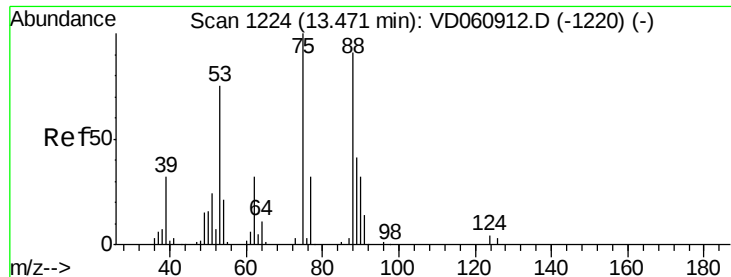
77 1.8 16.2 48.6#



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: 63.342 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060952.D

Acq: 5 Mar 2019 16:49

Instrument :

MSVOA_D

ClientSampleId :

SB-C-5-8

Tot Ion: 75 Resp: 120591

Ion Ratio Lower Upper

75 100

53 0.0 59.8 89.6#

89 0.0 33.0 49.6#

