

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030419\
 Data File : VD060918.D
 Acq On : 4 Mar 2019 12:32
 Operator : VA/AP
 Sample : VD0304SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBL01

Quant Time: Mar 05 01:28:20 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	827805	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1387527	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.39	117	1066561	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	477272	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.48	65	349994	51.14	ug/l	0.04
Spiked Amount			Recovery	=	102.28%	
35) Dibromofluoromethane	6.95	113	552790	49.69	ug/l	0.04
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	10.43	98	1447409	52.29	ug/l	0.03
Spiked Amount			Recovery	=	104.58%	
62) 4-Bromofluorobenzene	13.57	95	520772	49.79	ug/l	0.02
Spiked Amount			Recovery	=	99.58%	

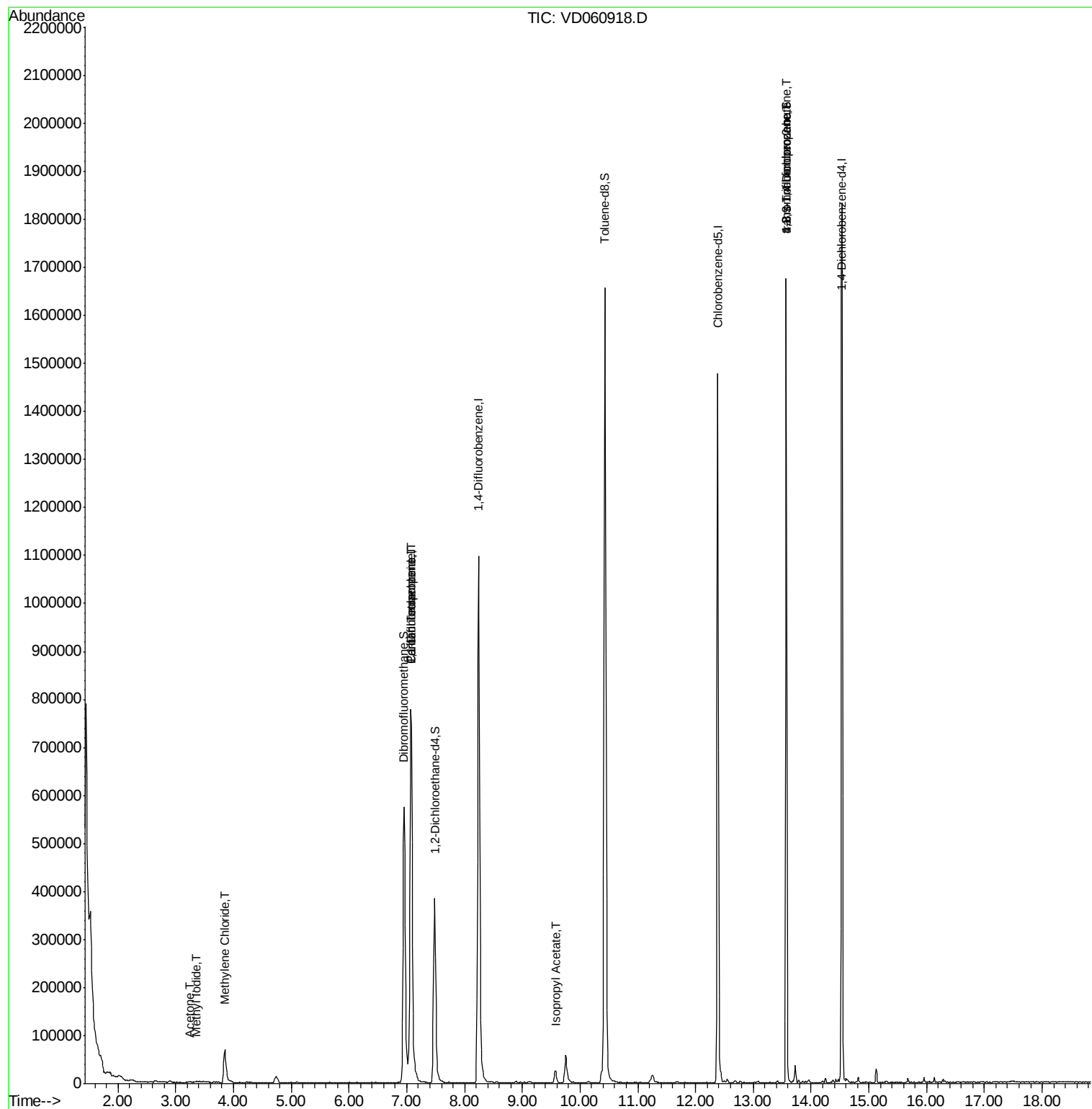
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.36	142	5835	5.071	ug/l #	78
16) Acetone	3.24	43	4278	1.872	ug/l	97
20) Methylene Chloride	3.85	84	52195	1.275	ug/l	94
36) 1,1-Dichloropropene	7.07	75	61057	4.786	ug/l #	45
38) Carbon Tetrachloride	7.07	117	77932	5.686	ug/l #	16
43) Isopropyl Acetate	9.57	43	21043	2.301	ug/l #	43
76) 1,2,3-Trichloropropane	13.57	75	179174	23.170	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.57	75	187890	82.097	ug/l #	20
89) n-Butylbenzene	14.81	91	3867	Below Cal		96

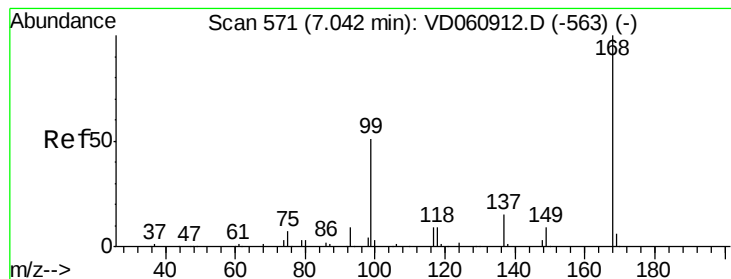
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030419\
Data File : VD060918.D
Acq On : 4 Mar 2019 12:32
Operator : VA/AP
Sample : VD0304SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBL01

Quant Time: Mar 05 01:28:20 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# 574

Delta R.T. 0.03 min

Lab File: VD060918.D

Acq: 4 Mar 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

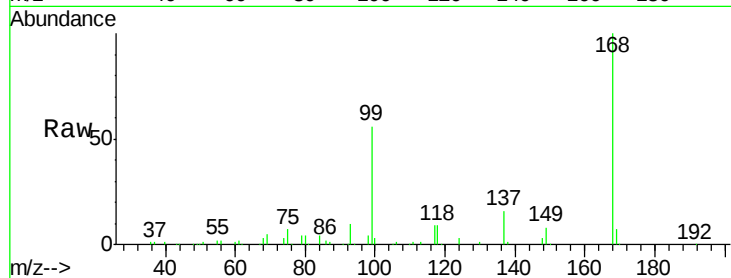
VD0304SBL01

Tot Ion:168 Resp: 827805

Ion Ratio Lower Upper

168 100

99 55.9 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.07

300000

250000

200000

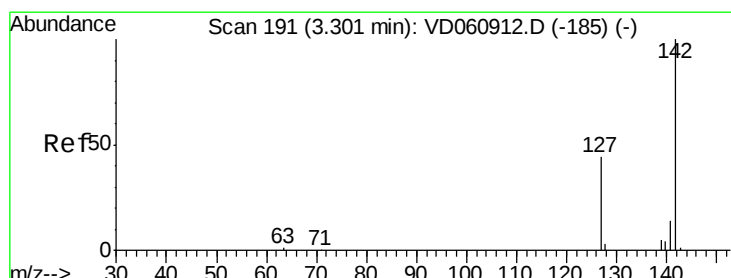
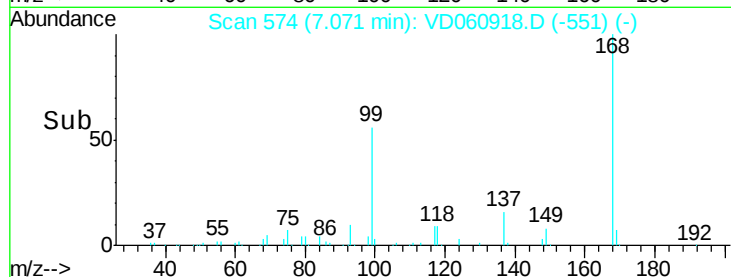
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 5.071 ug/l

RT: 3.36 min Scan# 197

Delta R.T. 0.06 min

Lab File: VD060918.D

Acq: 4 Mar 2019 12:32

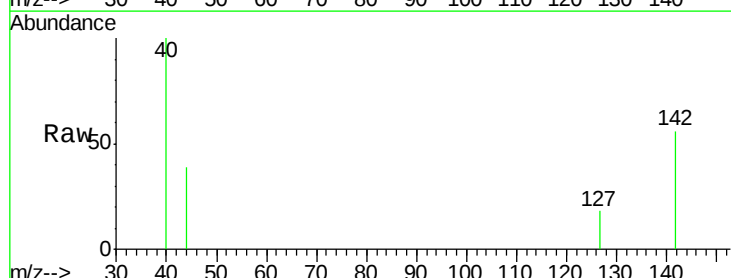
Tgt Ion:142 Resp: 5835

Ion Ratio Lower Upper

142 100

127 31.9 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

3.36

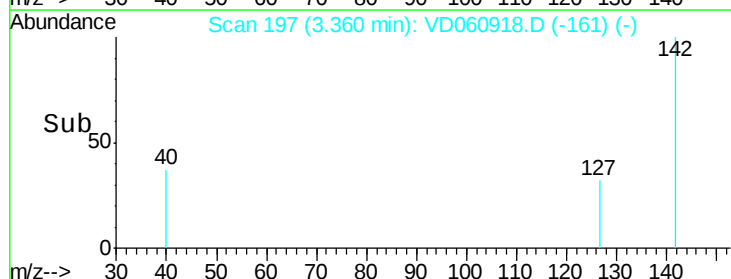
1500

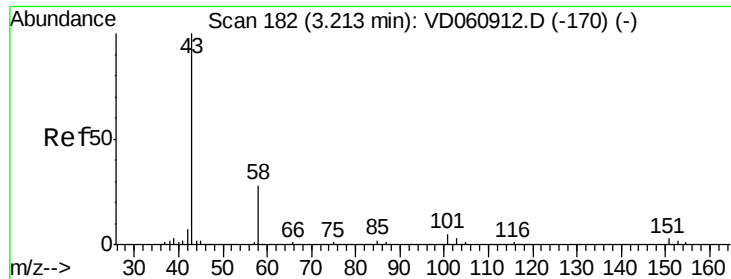
1000

500

0

Time--> 3.25 3.30 3.35 3.40 3.45





#16

Acetone

Concen: 1.872 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.03 min

Lab File: VD060918.D

Acq: 4 Mar 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

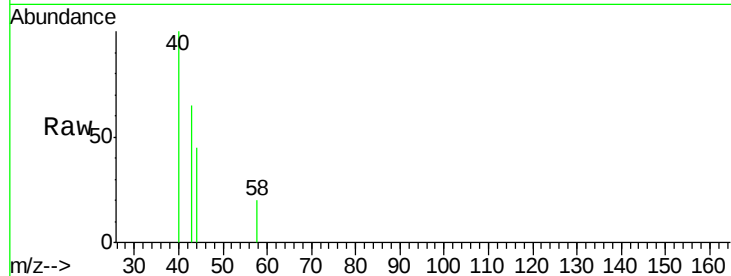
VD0304SBL01

Tot Ion: 43 Resp: 4278

Ion Ratio Lower Upper

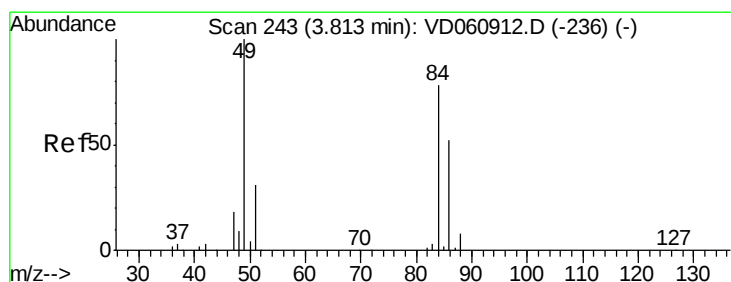
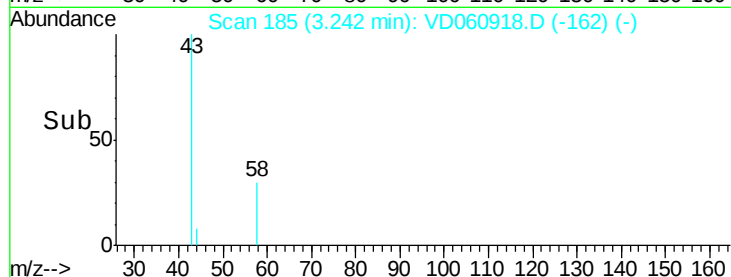
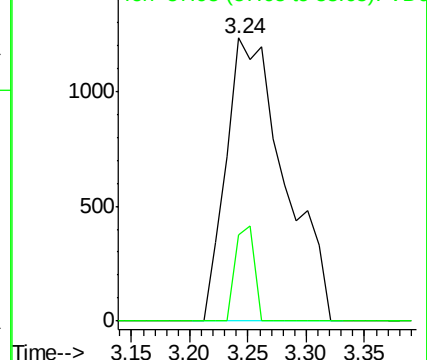
43 100

58 30.3 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: 1.275 ug/l

RT: 3.85 min Scan# 247

Delta R.T. 0.04 min

Lab File: VD060918.D

Acq: 4 Mar 2019 12:32

Tgt Ion: 84 Resp: 52195

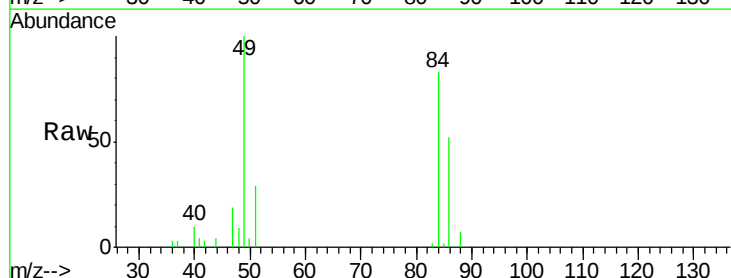
Ion Ratio Lower Upper

84 100

49 120.3 102.4 153.6

51 34.9 31.9 47.9

86 62.4 53.1 79.7

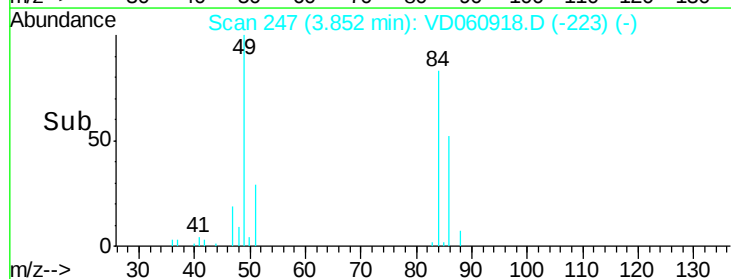
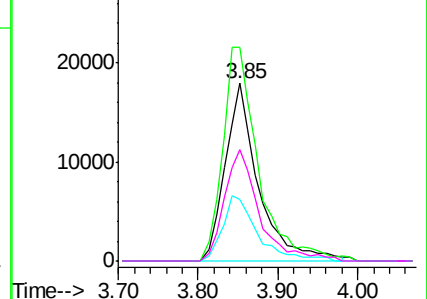


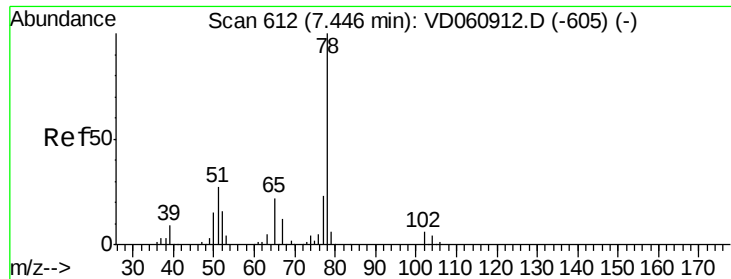
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.48 min Scan# 616

Delta R.T. 0.04 min

Lab File: VD060918.D

Acq: 4 Mar 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

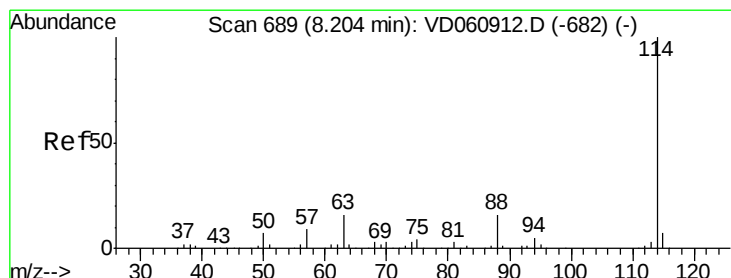
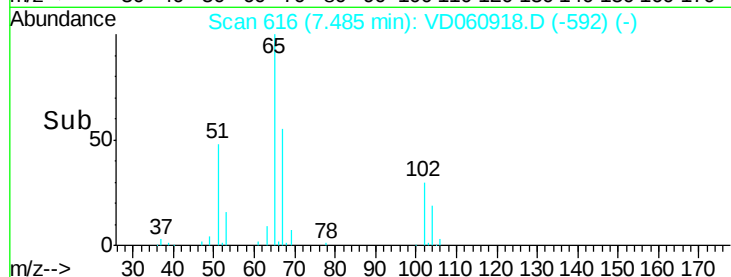
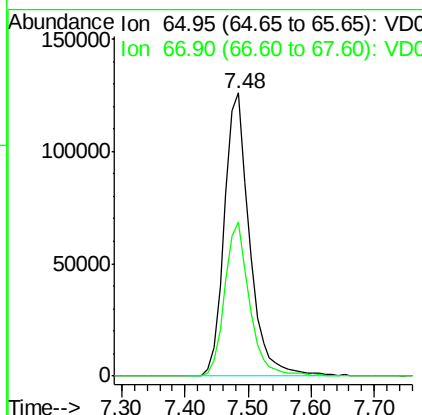
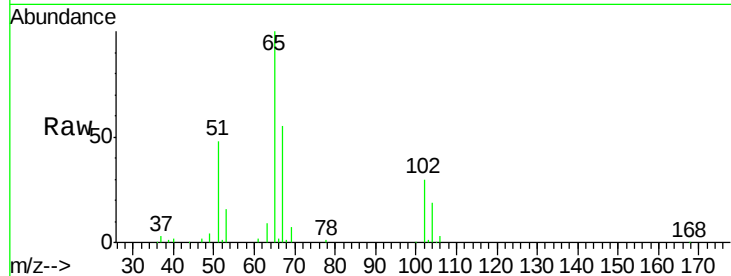
VD0304SBL01

Tot Ion: 65 Resp: 349994

Ion Ratio Lower Upper

65 100

67 54.6 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.04 min

Lab File: VD060918.D

Acq: 4 Mar 2019 12:32

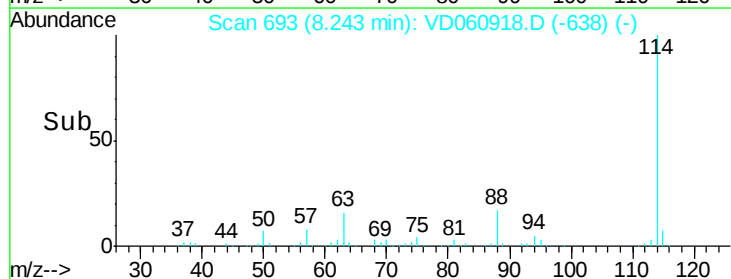
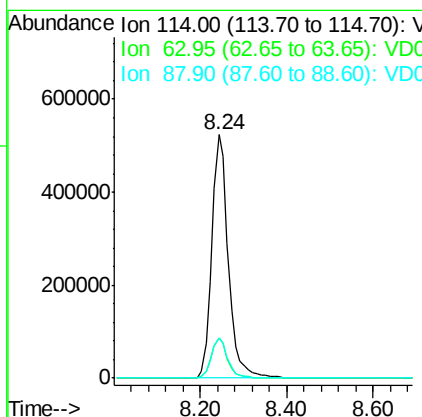
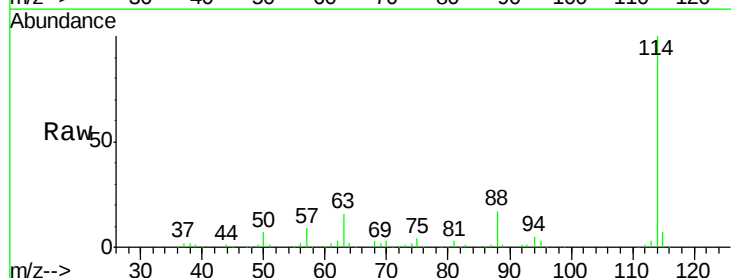
Tgt Ion: 114 Resp: 1387527

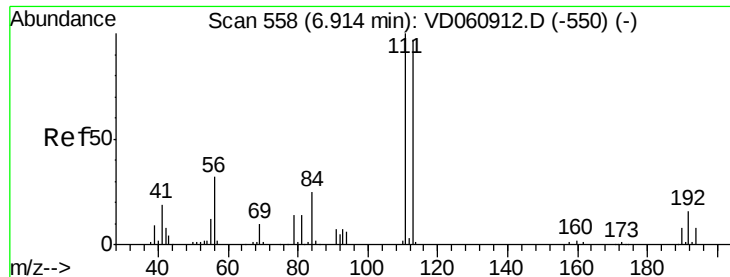
Ion Ratio Lower Upper

114 100

63 16.3 0.0 32.0

88 16.5 0.0 32.8

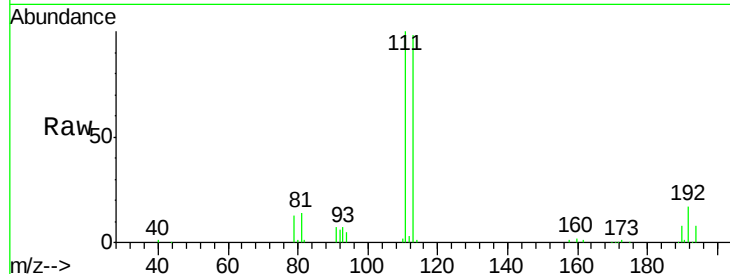




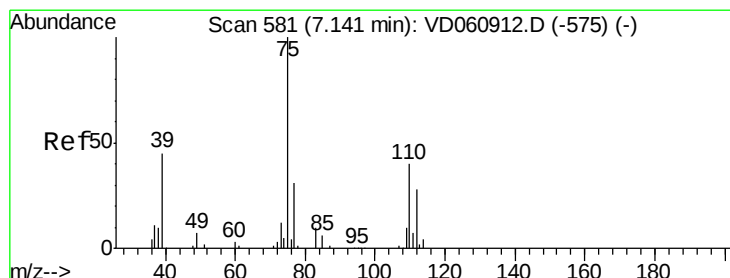
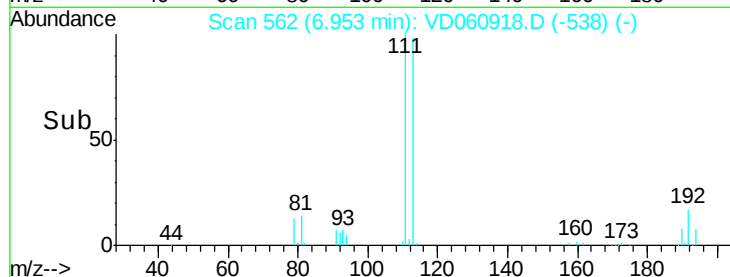
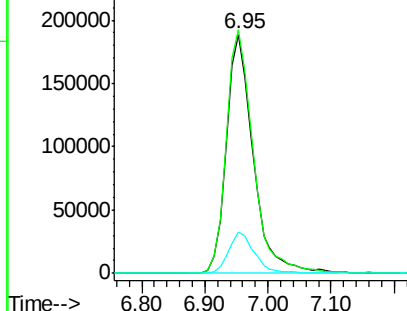
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.95 min Scan# 562
 Delta R.T. 0.04 min
 Lab File: VD060918.D
 Acq: 4 Mar 2019 12:32

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBL01

Tot Ion:113 Resp: 552790
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.6 124.0
 192 17.4 13.4 20.2

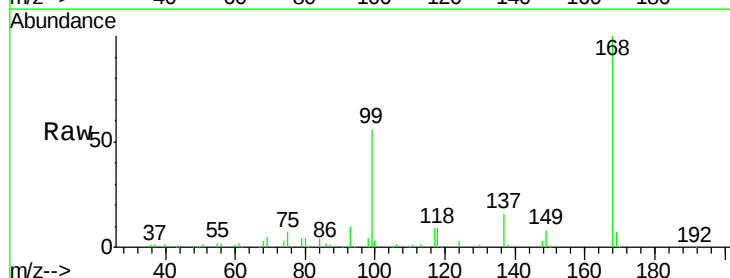


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

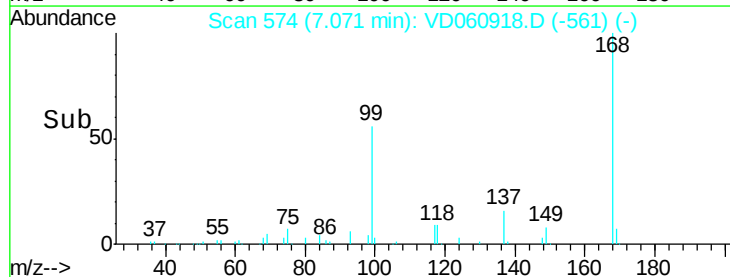
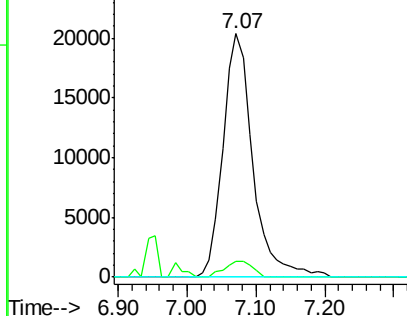


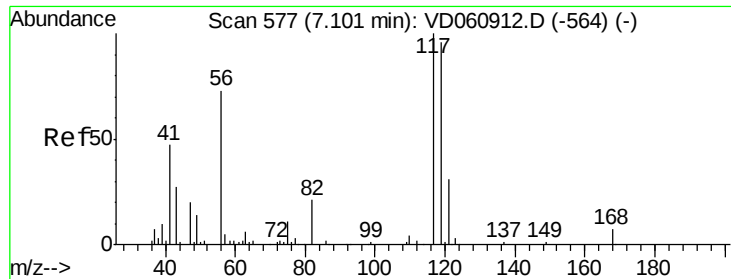
#36
 1,1-Dichloropropene
 Concen: 4.786 ug/l
 RT: 7.07 min Scan# 574
 Delta R.T. -0.07 min
 Lab File: VD060918.D
 Acq: 4 Mar 2019 12:32

Tgt Ion: 75 Resp: 61057
 Ion Ratio Lower Upper
 75 100
 110 6.6 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: 5.686 ug/l

RT: 7.07 min Scan# 574

Delta R.T. -0.03 min

Lab File: VD060918.D

Acq: 4 Mar 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBL01

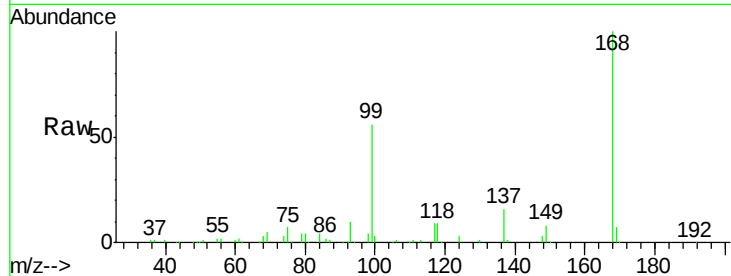
Tot Ion:117 Resp: 77932

Ion Ratio Lower Upper

117 100

119 4.9 76.9 115.3#

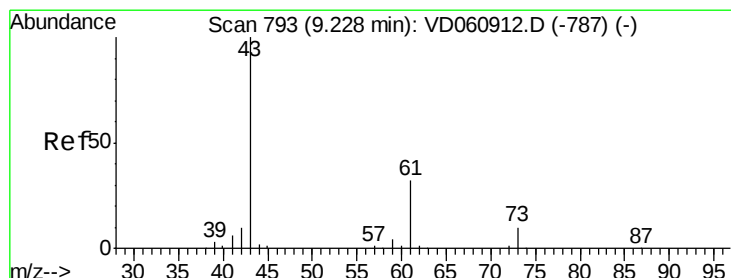
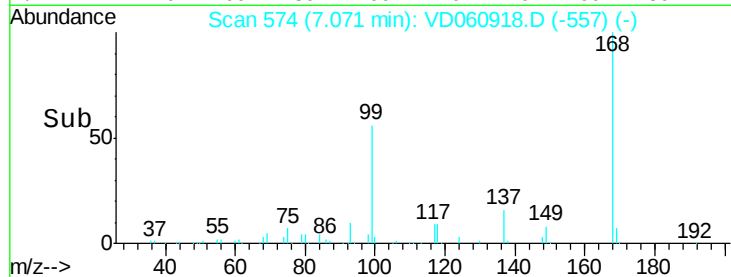
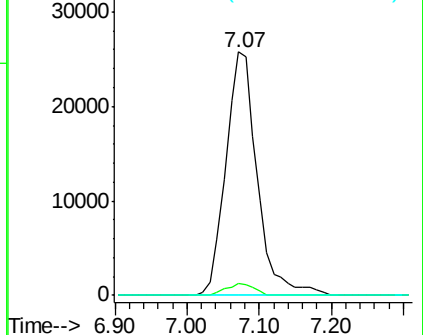
121 0.0 24.5 36.7#



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



#43

Isopropyl Acetate

Concen: 2.301 ug/l

RT: 9.57 min Scan# 828

Delta R.T. 0.34 min

Lab File: VD060918.D

Acq: 4 Mar 2019 12:32

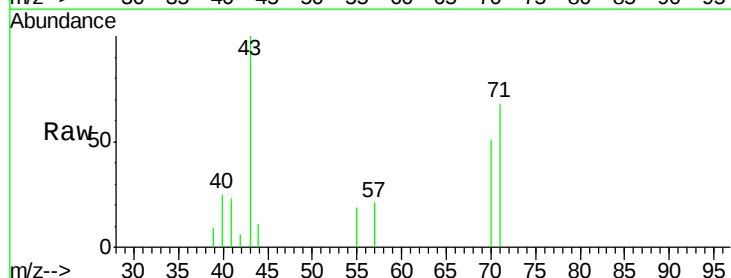
Tgt Ion: 43 Resp: 21043

Ion Ratio Lower Upper

43 100

61 0.0 25.6 38.4#

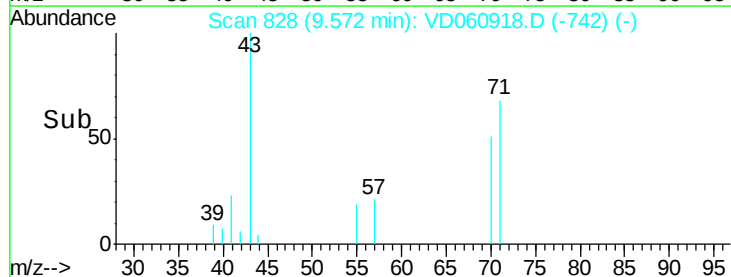
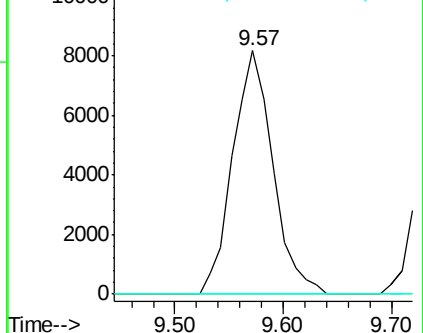
87 0.0 0.2 0.4#

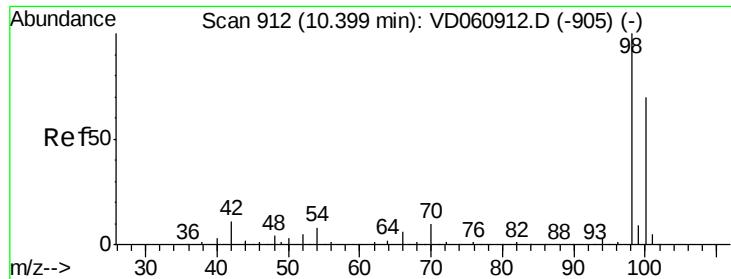


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

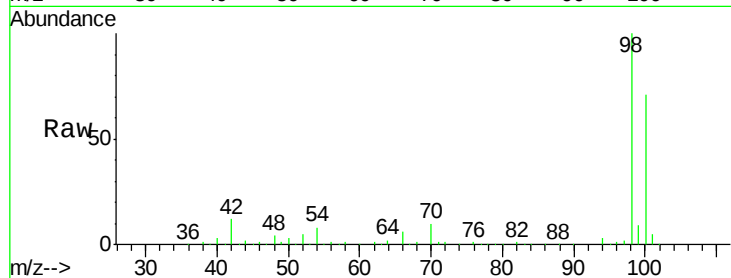




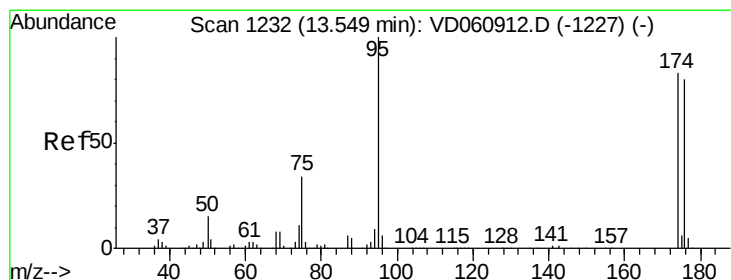
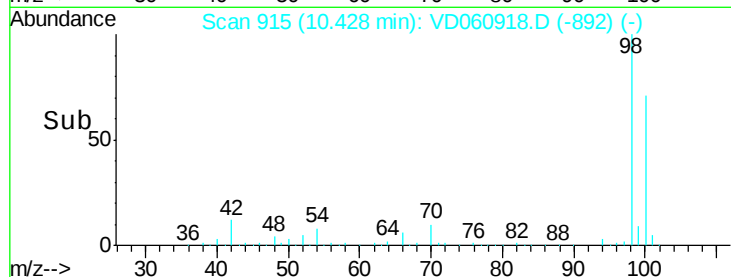
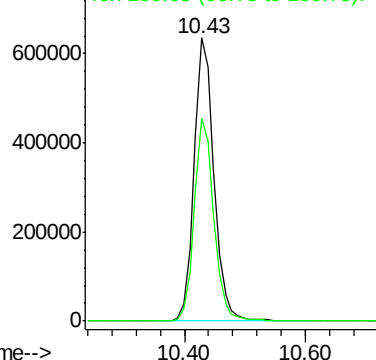
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD060918.D
Acq: 4 Mar 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBL01

Tot Ion: 98 Resp: 1447409
Ion Ratio Lower Upper
98 100
100 71.5 57.0 85.4

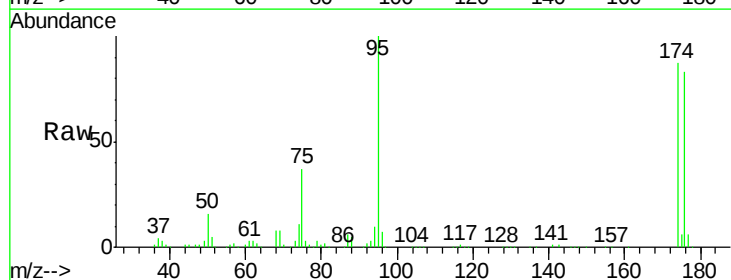


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

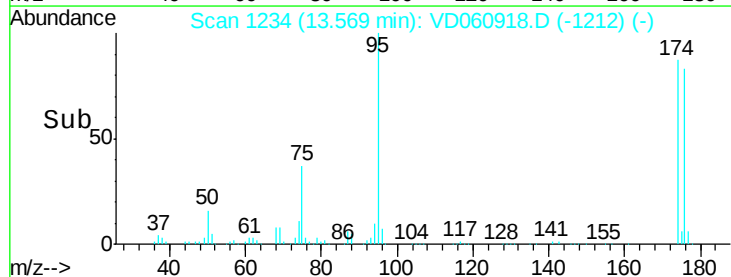
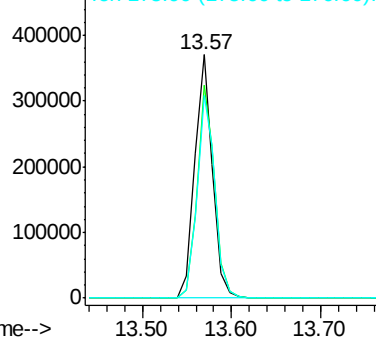


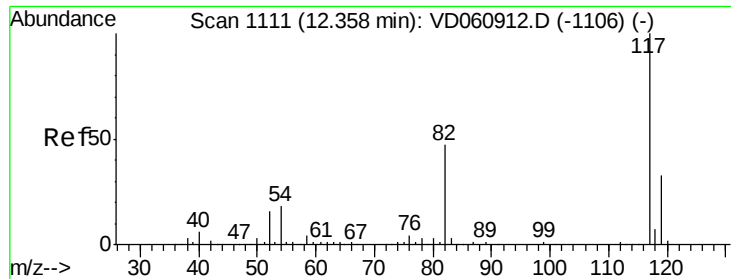
#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.02 min
Lab File: VD060918.D
Acq: 4 Mar 2019 12:32

Tgt Ion: 95 Resp: 520772
Ion Ratio Lower Upper
95 100
174 87.4 0.0 165.6
176 83.4 0.0 160.6



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

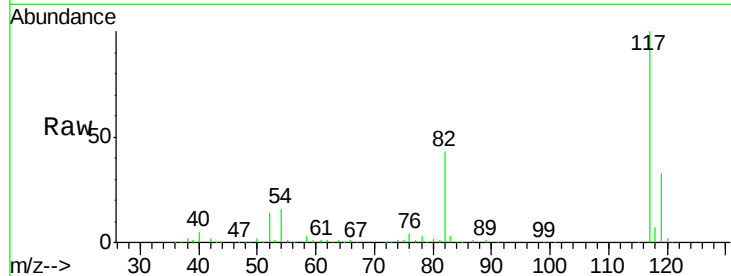




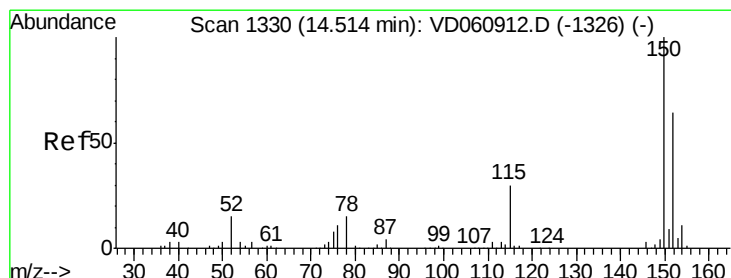
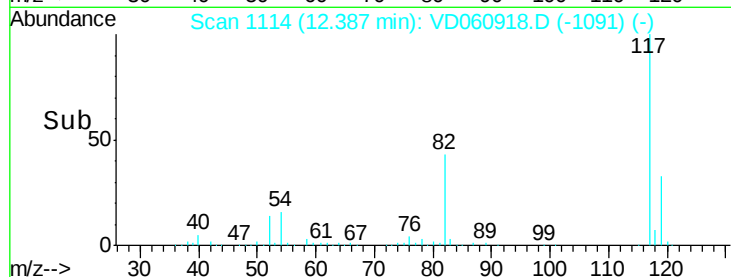
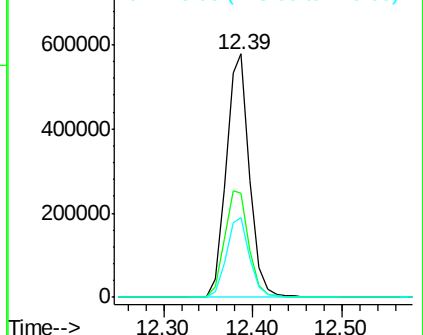
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD060918.D
Acq: 4 Mar 2019 12:32

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBL01

Tot Ion:117 Resp: 1066561
Ion Ratio Lower Upper
117 100
82 43.0 37.5 56.3
119 32.5 26.2 39.2

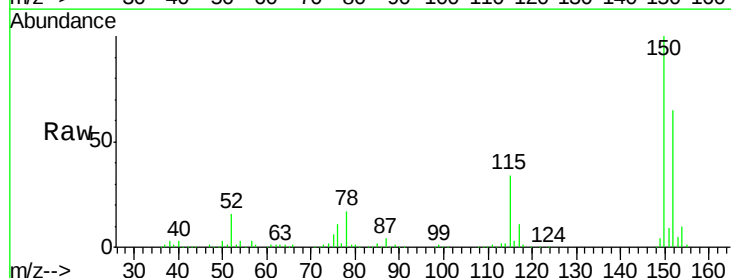


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

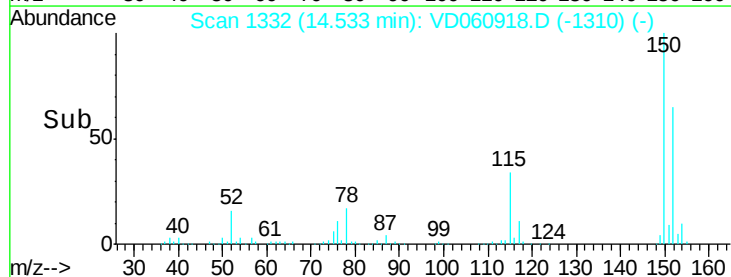
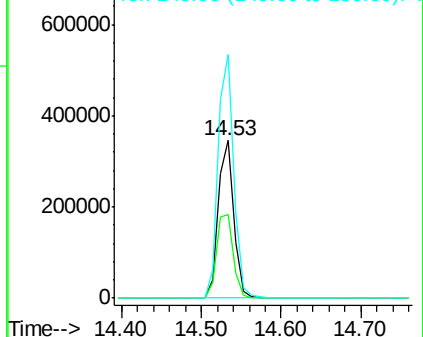


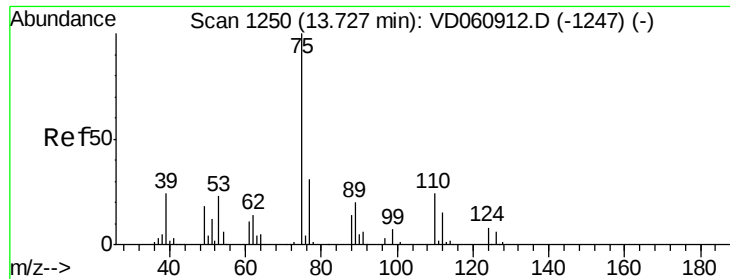
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1332
Delta R.T. 0.02 min
Lab File: VD060918.D
Acq: 4 Mar 2019 12:32

Tgt Ion:152 Resp: 477272
Ion Ratio Lower Upper
152 100
115 53.3 27.6 82.8
150 154.4 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: 23.170 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. -0.16 min

Lab File: VD060918.D

Acq: 4 Mar 2019 12:32

Instrument :

MSVOA_D

ClientSampleId :

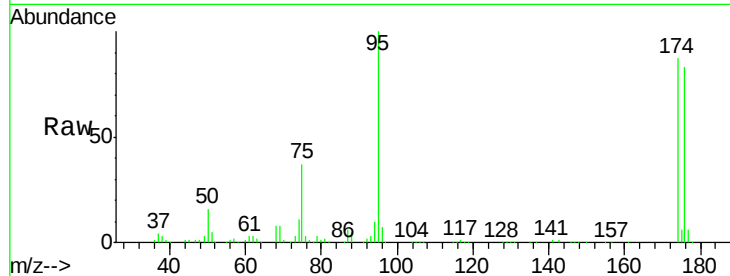
VD0304SBL01

Tot Ion: 75 Resp: 179174

Ion Ratio Lower Upper

75 100

77 1.4 16.2 48.6#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

13.57

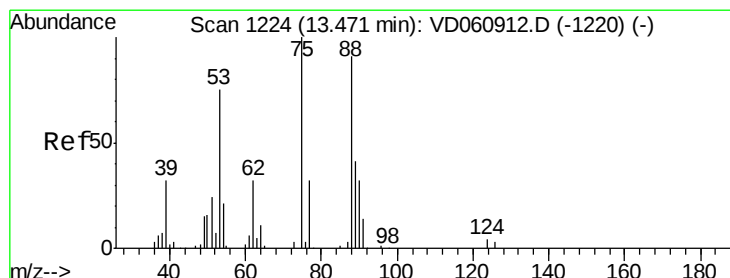
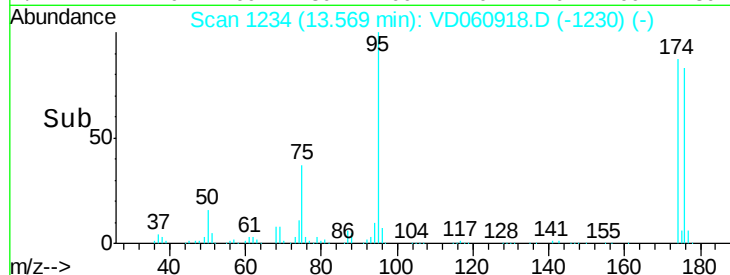
150000

100000

50000

0

Time--> 13.50 13.55 13.60 13.65



#81

trans-1,4-Dichloro-2-butene

Concen: 82.097 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.10 min

Lab File: VD060918.D

Acq: 4 Mar 2019 12:32

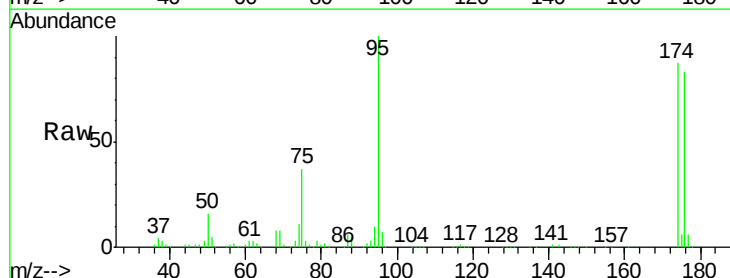
Tgt Ion: 75 Resp: 187890

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

13.57

150000

100000

50000

0

Time--> 13.50 13.55 13.60 13.65

