

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030519\
 Data File : VD060950.D
 Acq On : 5 Mar 2019 15:53
 Operator : VA/AP
 Sample : K1714-13
 Misc : 5.94g/5ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-C-0-2

Quant Time: Mar 06 04:08:05 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	633890	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1101396	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	965983	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	430444	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	209743	40.03	ug/l	0.02
Spiked Amount			Recovery	=	80.06%	
35) Dibromofluoromethane	6.93	113	327265	37.06	ug/l	0.02
Spiked Amount			Recovery	=	74.12%	
50) Toluene-d8	10.42	98	736663	33.53	ug/l	0.02
Spiked Amount			Recovery	=	67.06%	
62) 4-Bromofluorobenzene	13.56	95	322707	38.87	ug/l	0.00
Spiked Amount			Recovery	=	77.74%	

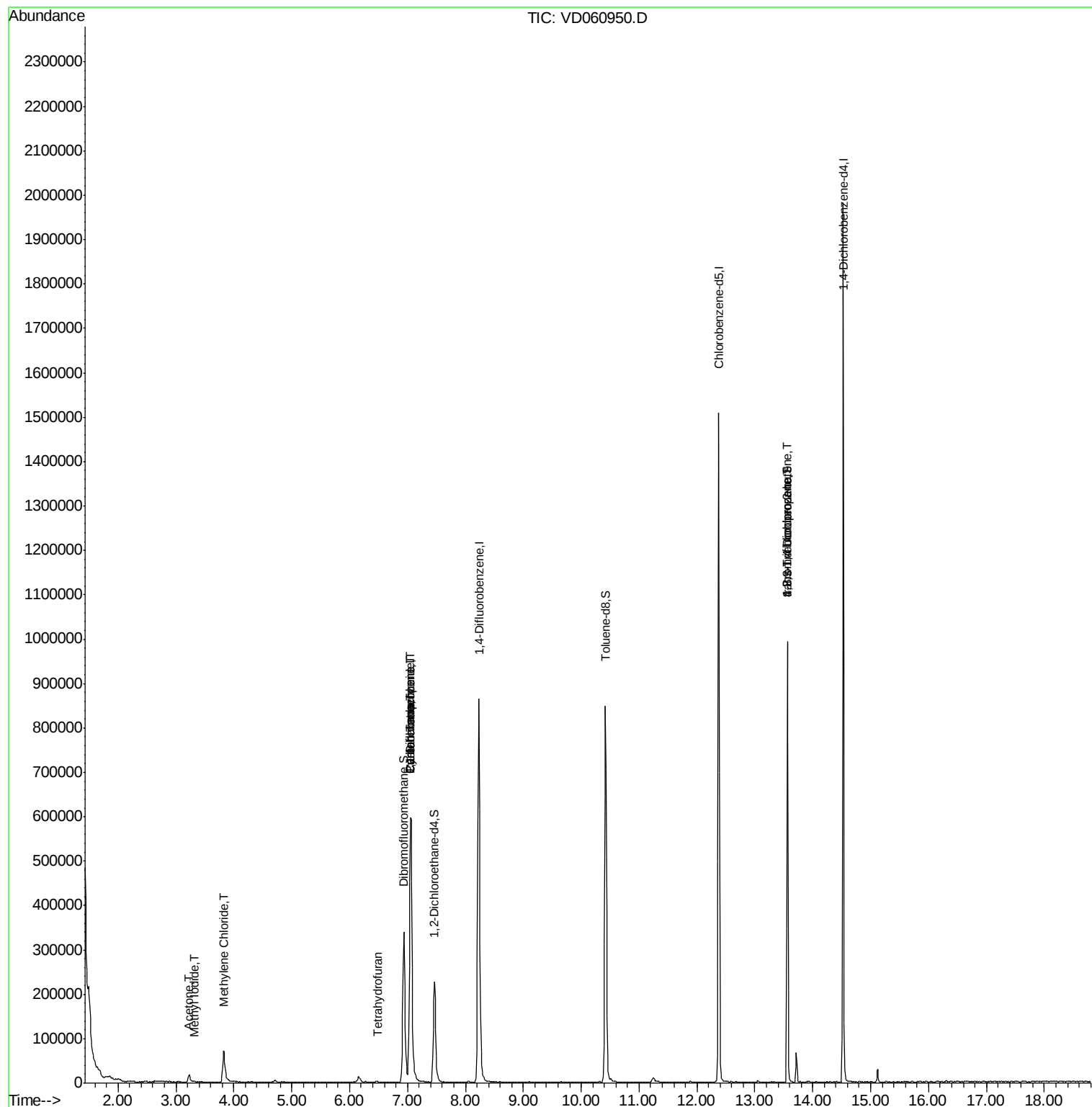
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.32	142	407	4.773	ug/l #	40
16) Acetone	3.22	43	31160	17.809	ug/l	92
20) Methylene Chloride	3.82	84	54641	3.180	ug/l	95
29) Tetrahydrofuran	6.47	42	2231	1.997	ug/l #	50
31) Cyclohexane	7.05	56	11853	1.025	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	48437	4.783	ug/l #	46
38) Carbon Tetrachloride	7.06	117	62113	5.709	ug/l #	15
76) 1,2,3-Trichloropropane	13.56	75	94322	13.524	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	116996	56.682	ug/l #	20
89) n-Butylbenzene	14.81	91	725	Below Cal	#	75

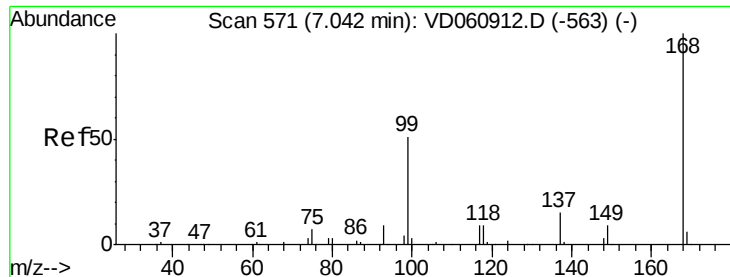
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030519\
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Quant Time: Mar 06 04:08:05 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: VD060950.D

Acq: 5 Mar 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

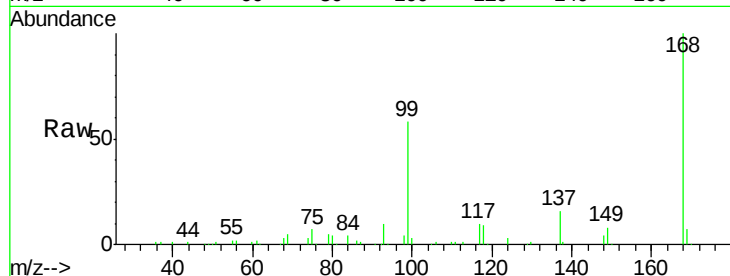
SB-C-0-2

Tot Ion:168 Resp: 633890

Ion Ratio Lower Upper

168 100

99 58.0 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

250000

200000

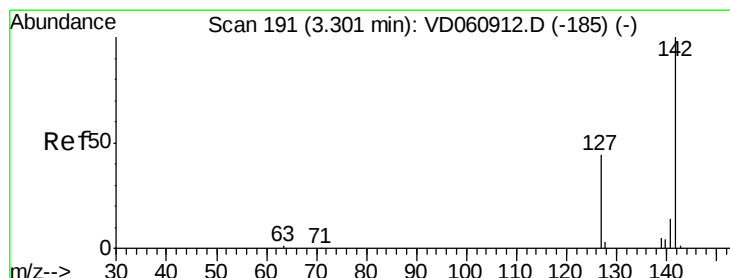
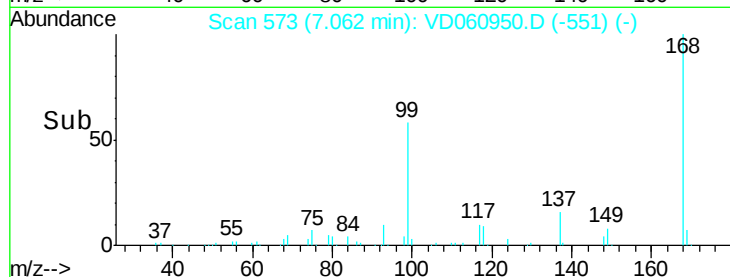
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 4.773 ug/l

RT: 3.32 min Scan# 193

Delta R.T. 0.02 min

Lab File: VD060950.D

Acq: 5 Mar 2019 15:53

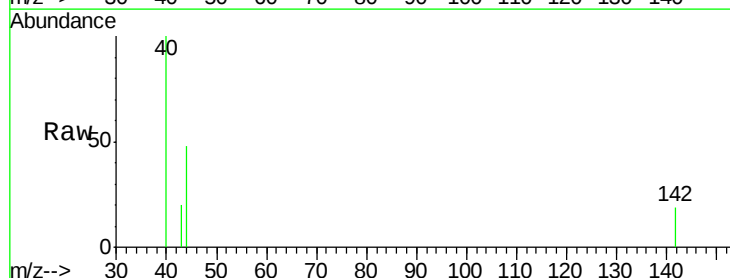
Tgt Ion:142 Resp: 407

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

3.32

500

400

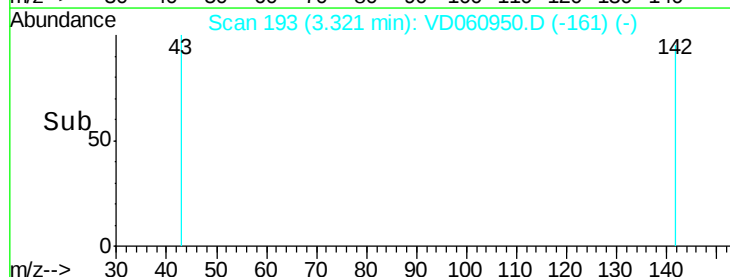
300

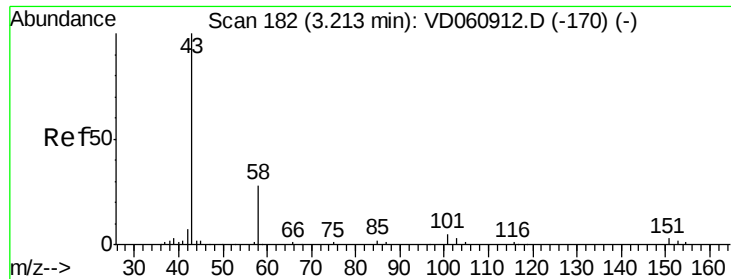
200

100

0

Time--> 3.28 3.30 3.32 3.34 3.36





#16

Acetone

Concen: 17.809 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD060950.D

Acq: 5 Mar 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

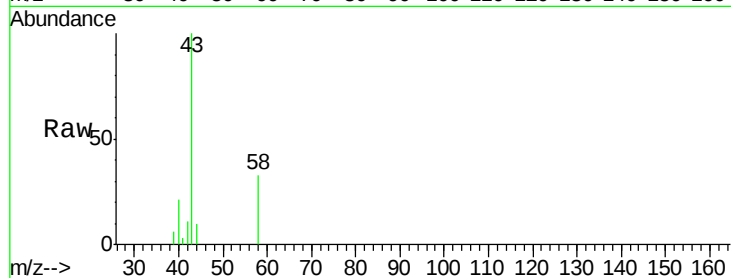
SB-C-0-2

Tot Ion: 43 Resp: 31160

Ion Ratio Lower Upper

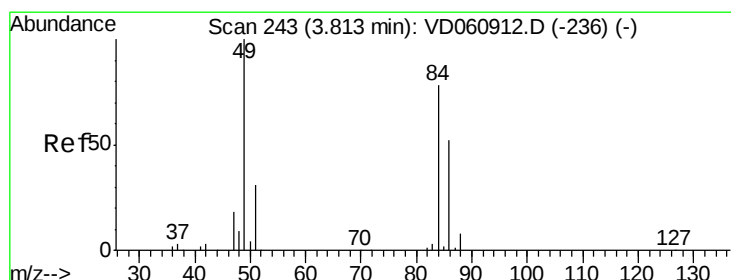
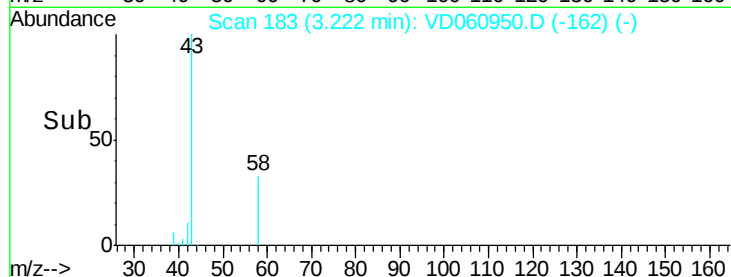
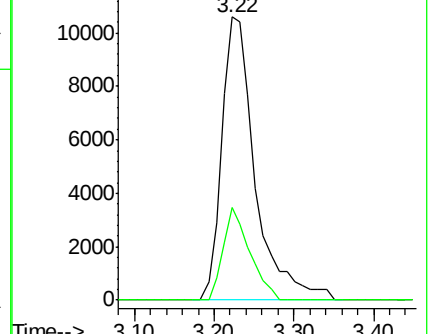
43 100

58 32.7 22.8 34.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.180 ug/l

RT: 3.82 min Scan# 244

Delta R.T. 0.01 min

Lab File: VD060950.D

Acq: 5 Mar 2019 15:53

Tgt Ion: 84 Resp: 54641

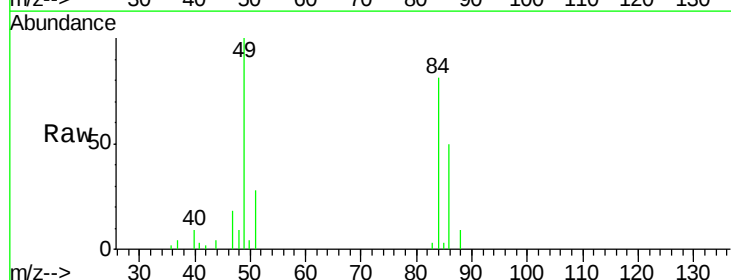
Ion Ratio Lower Upper

84 100

49 123.2 102.4 153.6

51 35.0 31.9 47.9

86 62.1 53.1 79.7

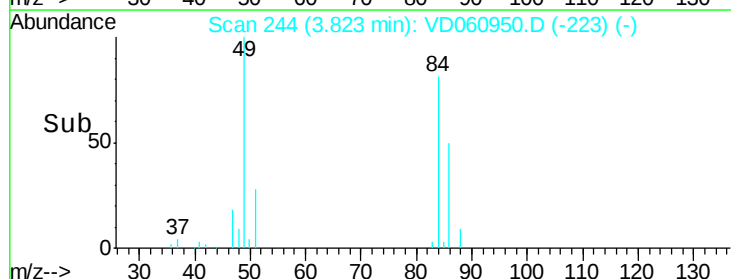
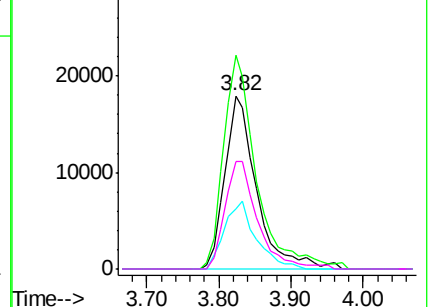


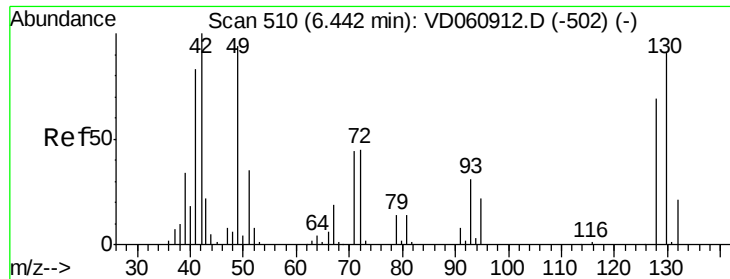
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#29

Tetrahydrofuran

Concen: 1.997 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD060950.D

Acq: 5 Mar 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

SB-C-0-2

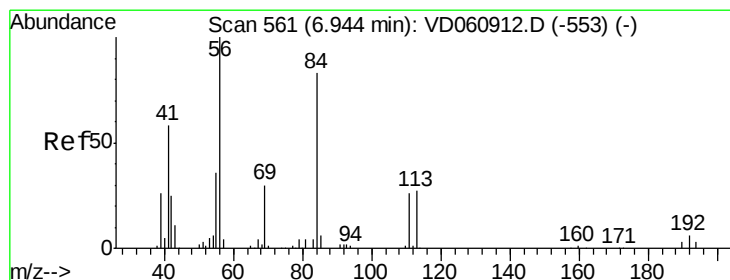
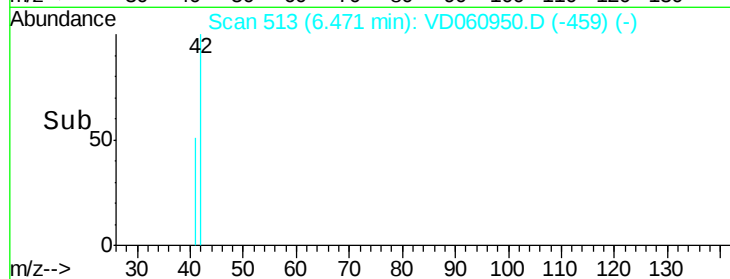
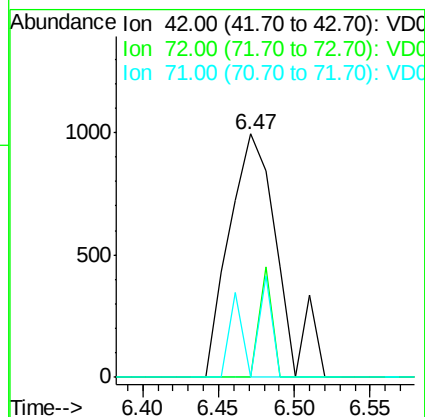
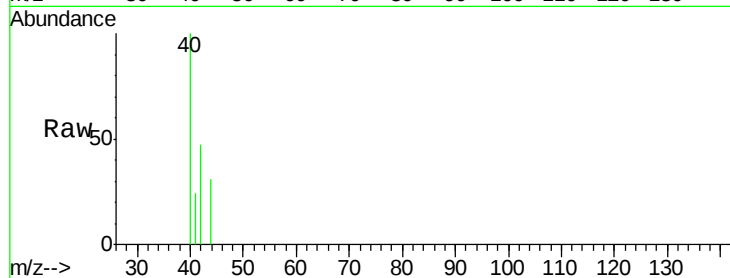
Tot Ion: 42 Resp: 2231

Ion Ratio Lower Upper

42 100

72 12.0 33.8 50.6#

71 9.1 33.5 50.3#



#31

Cyclohexane

Concen: 1.025 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.11 min

Lab File: VD060950.D

Acq: 5 Mar 2019 15:53

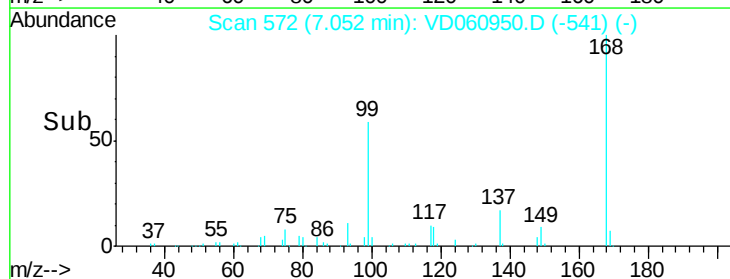
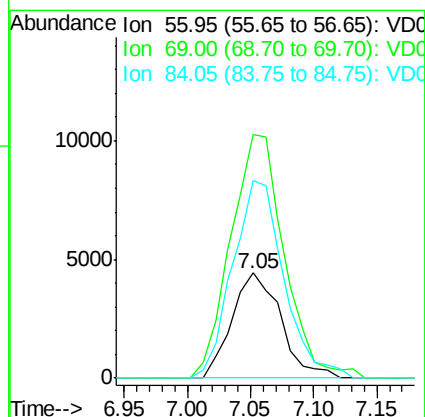
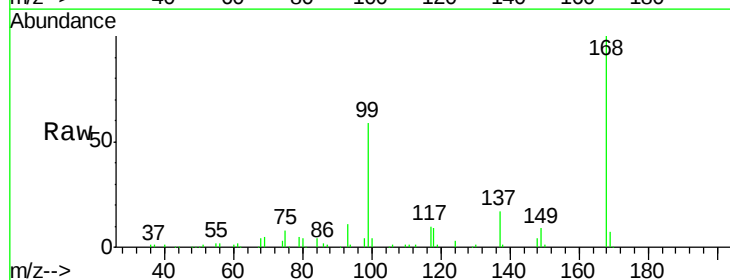
Tgt Ion: 56 Resp: 11853

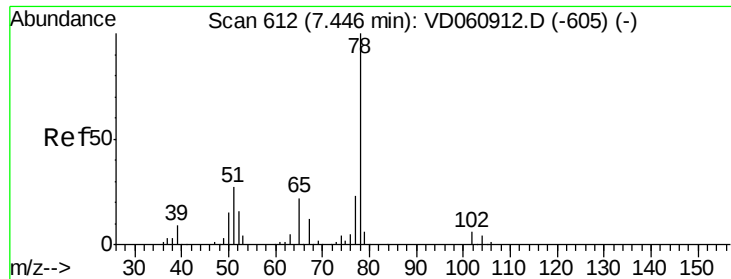
Ion Ratio Lower Upper

56 100

69 231.2 23.6 35.4#

84 187.5 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD060950.D

Acq: 5 Mar 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

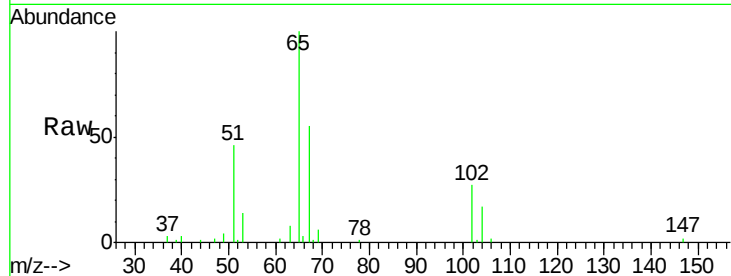
SB-C-0-2

Tot Ion: 65 Resp: 209743

Ion Ratio Lower Upper

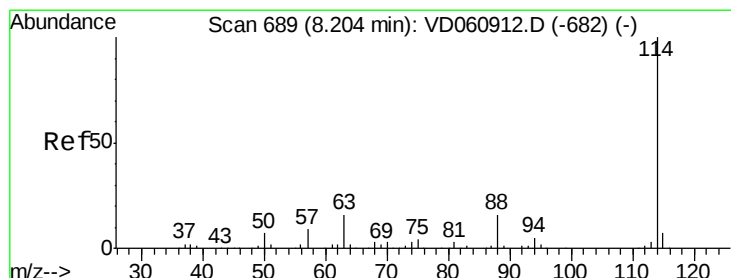
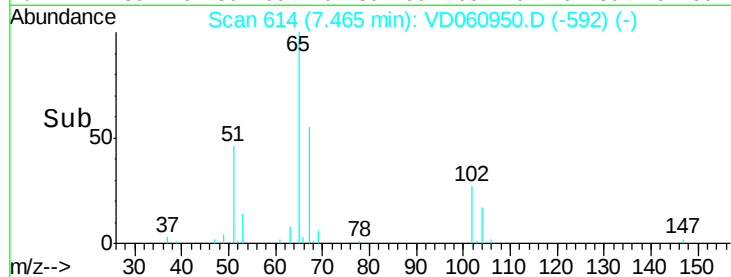
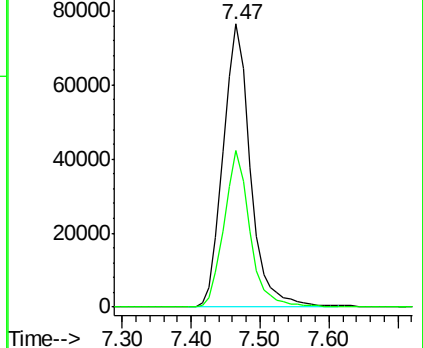
65 100

67 55.3 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: 8.23 min Scan# 692

Delta R.T. 0.03 min

Lab File: VD060950.D

Acq: 5 Mar 2019 15:53

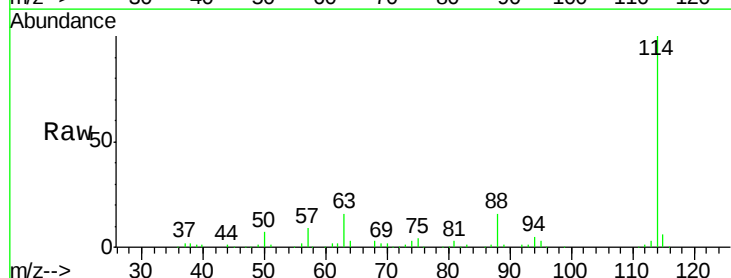
Tgt Ion: 114 Resp: 1101396

Ion Ratio Lower Upper

114 100

63 15.7 0.0 32.0

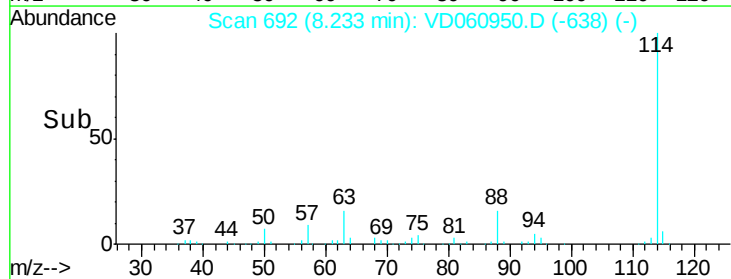
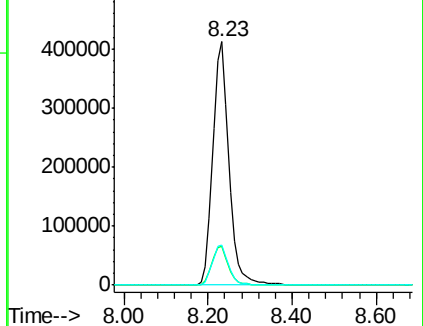
88 16.4 0.0 32.8

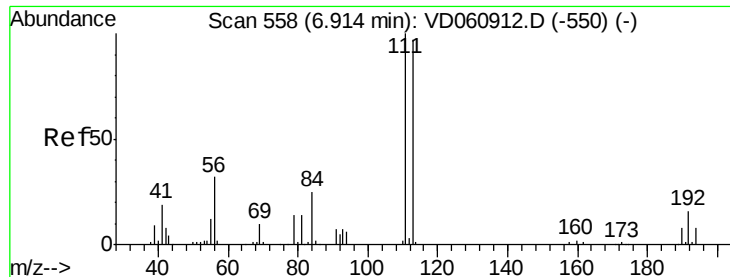


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.93 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD060950.D

Acq: 5 Mar 2019 15:53

Instrument :

MSVOA_D

ClientSampled :

SB-C-0-2

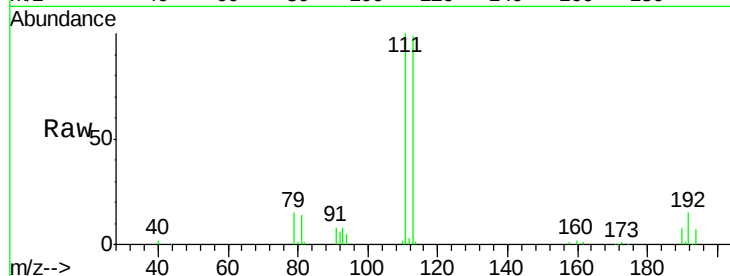
Tot Ion:113 Resp: 327265

Ion Ratio Lower Upper

113 100

111 100.7 82.6 124.0

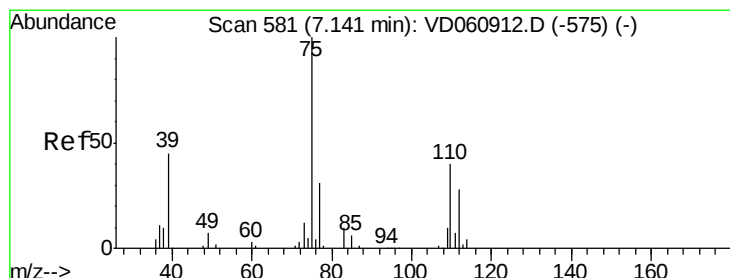
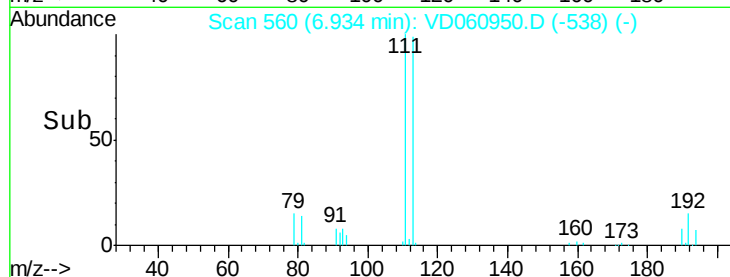
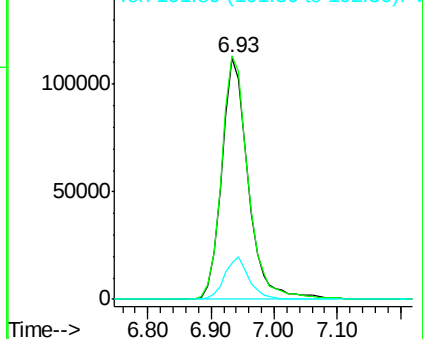
192 14.9 13.4 20.2



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: 4.783 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.09 min

Lab File: VD060950.D

Acq: 5 Mar 2019 15:53

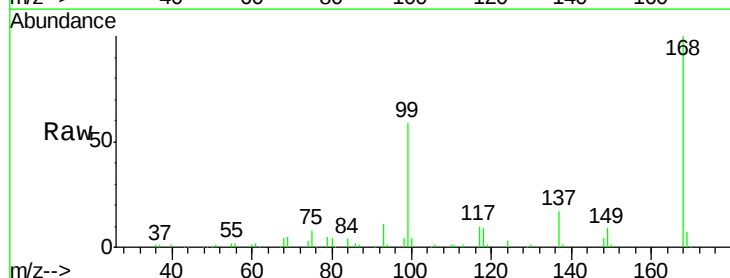
Tgt Ion: 75 Resp: 48437

Ion Ratio Lower Upper

75 100

110 7.4 19.9 59.7#

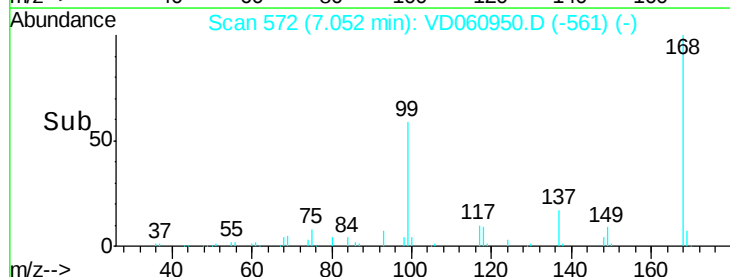
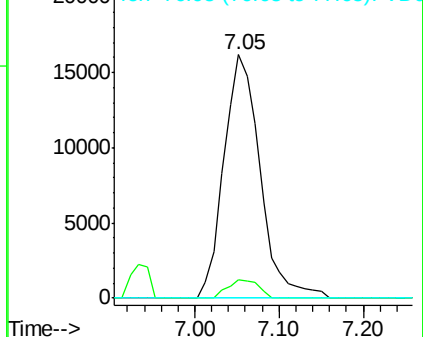
77 0.0 25.0 37.6#

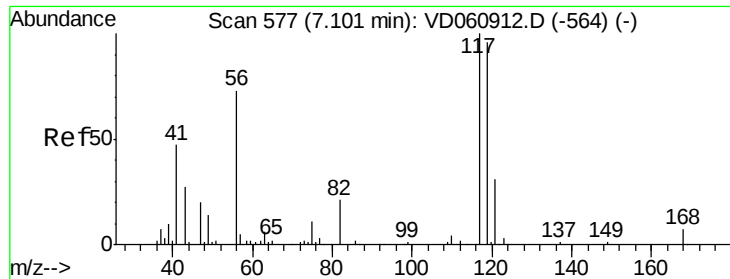


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

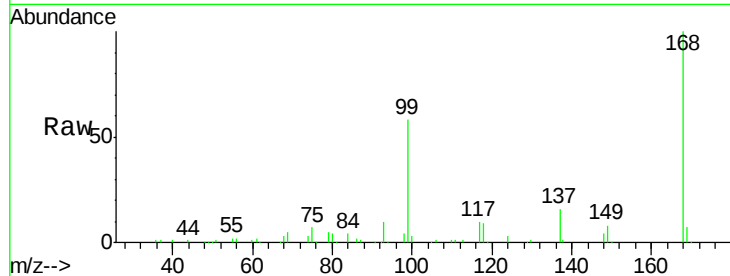




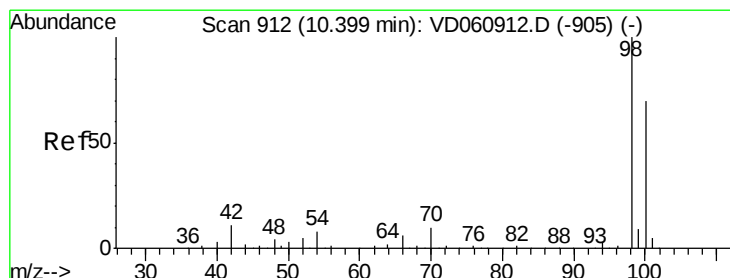
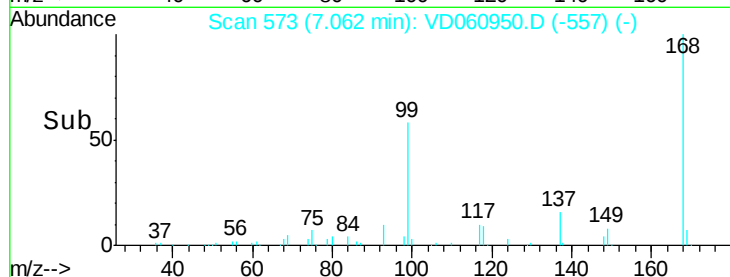
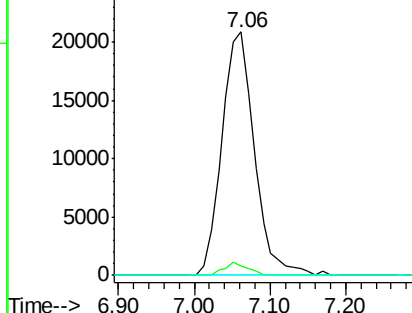
#38
Carbon Tetrachloride
Concen: 5.709 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.04 min
Lab File: VD060950.D
Acq: 5 Mar 2019 15:53

Instrument :
MSVOA_D
ClientSampled :
SB-C-0-2

Tot Ion:117 Resp: 62113
Ion Ratio Lower Upper
117 100
119 3.7 76.9 115.3#
121 0.0 24.5 36.7#

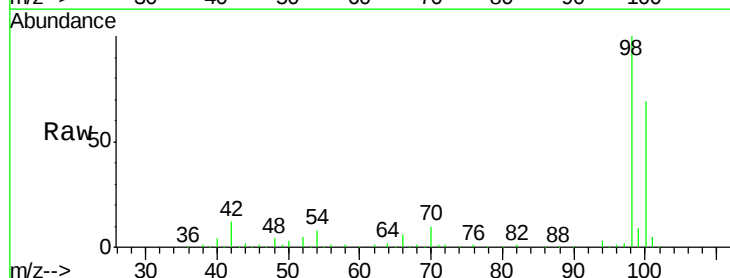


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

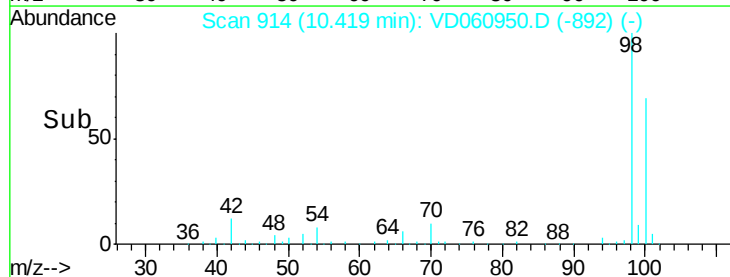
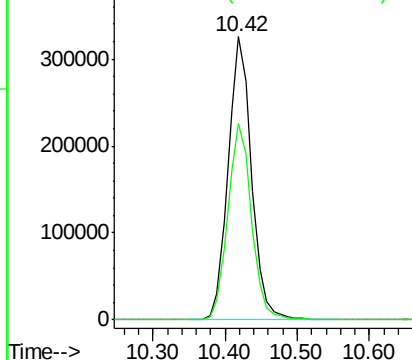


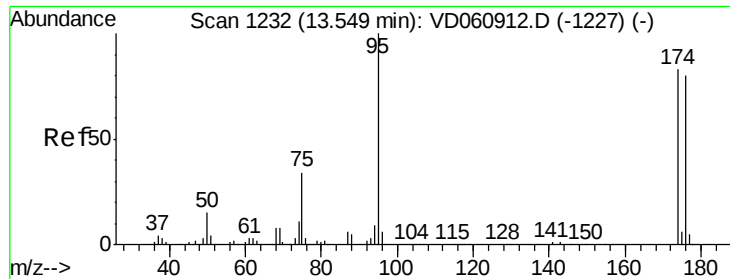
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD060950.D
Acq: 5 Mar 2019 15:53

Tgt Ion: 98 Resp: 736663
Ion Ratio Lower Upper
98 100
100 69.4 57.0 85.4



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

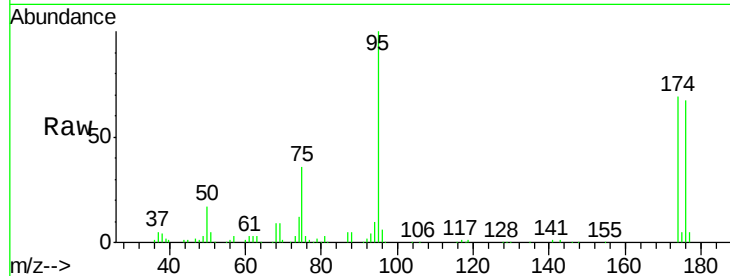




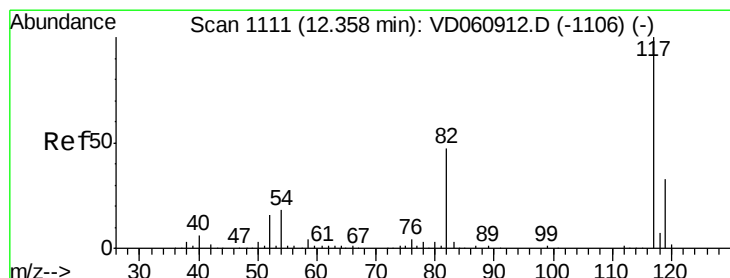
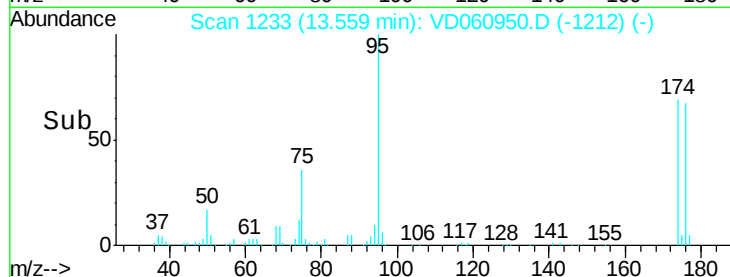
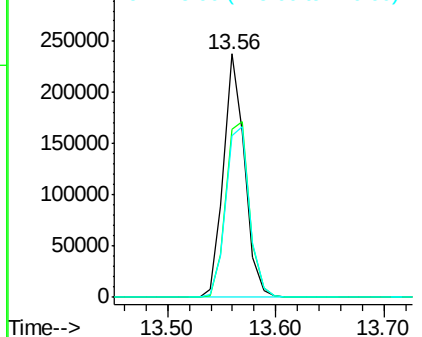
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD060950.D
Acq: 5 Mar 2019 15:53

Instrument :
MSVOA_D
ClientSampleId :
SB-C-0-2

Tot Ion: 95 Resp: 322707
Ion Ratio Lower Upper
95 100
174 69.3 0.0 165.6
176 66.5 0.0 160.6

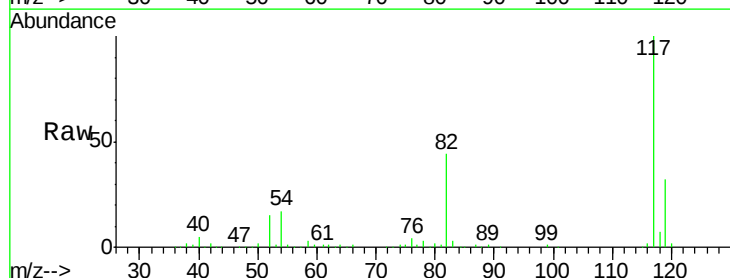


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

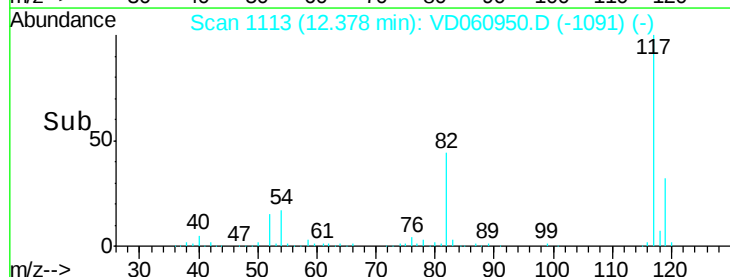
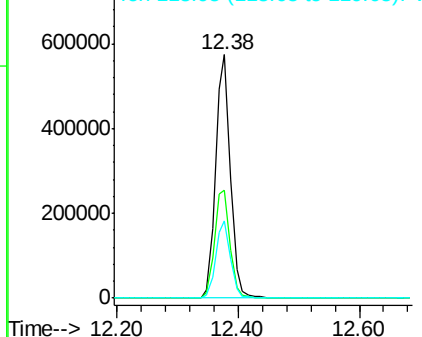


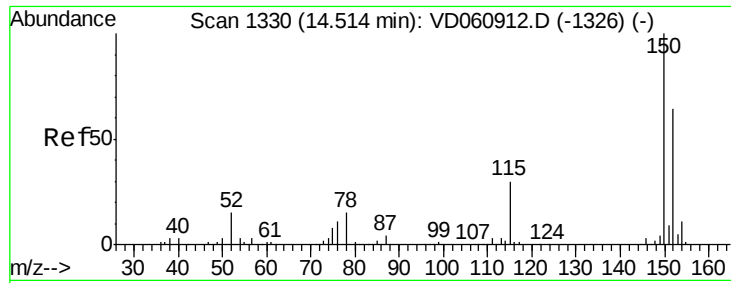
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD060950.D
Acq: 5 Mar 2019 15:53

Tgt Ion: 117 Resp: 965983
Ion Ratio Lower Upper
117 100
82 44.4 37.5 56.3
119 31.7 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



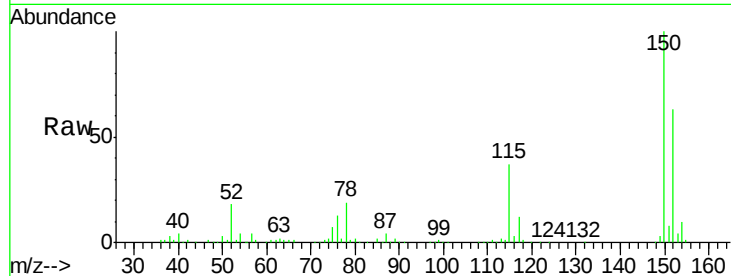


#72

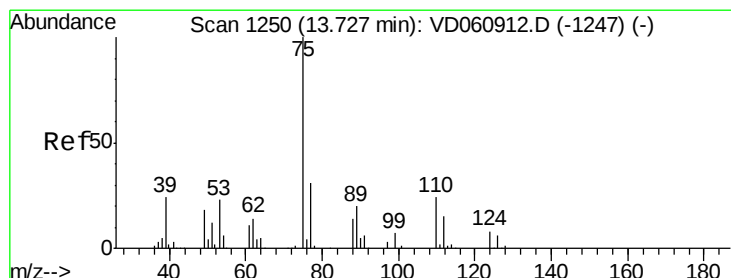
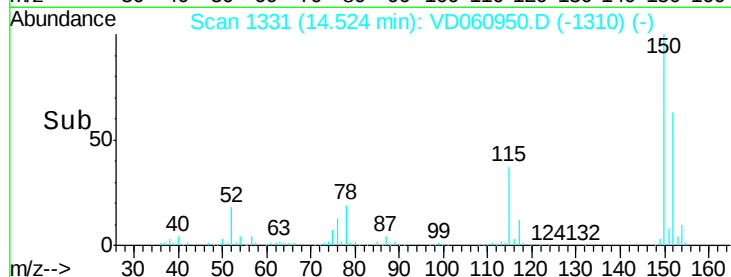
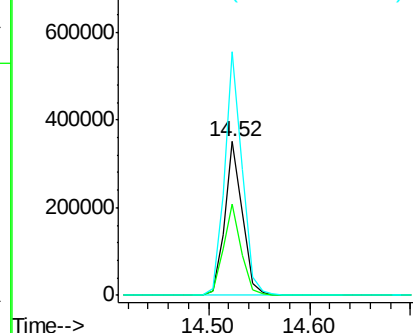
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD060950.D
Acq: 5 Mar 2019 15:53

Instrument :
MSVOA_D
ClientSampled :
SB-C-0-2

Tot Ion:152 Resp: 430444
Ion Ratio Lower Upper
152 100
115 59.3 27.6 82.8
150 158.3 0.0 312.8



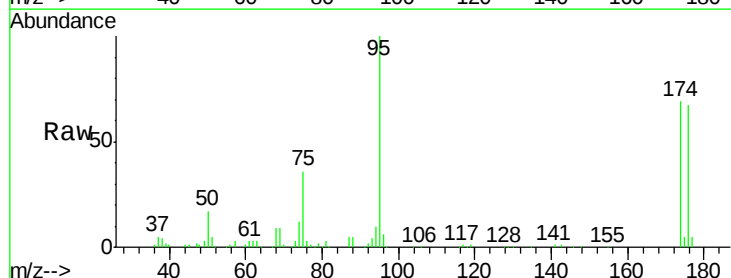
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



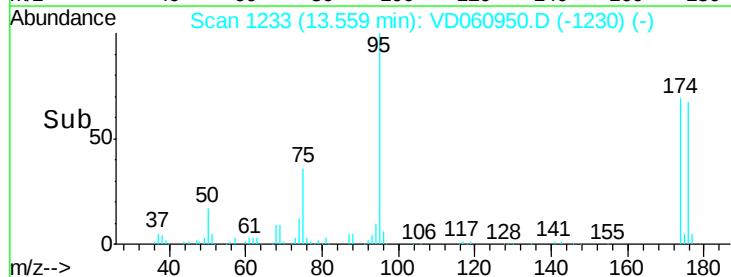
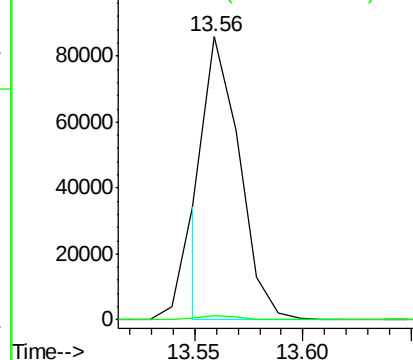
#76

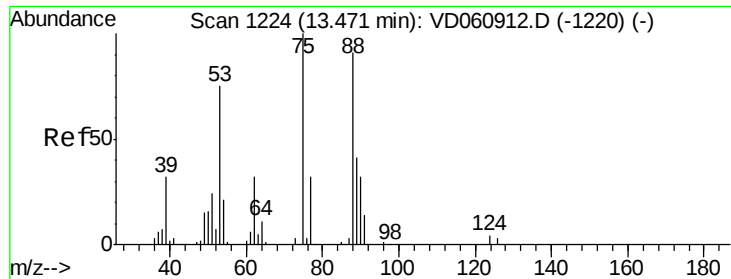
1,2,3-Trichloropropane
Concen: 13.524 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.17 min
Lab File: VD060950.D
Acq: 5 Mar 2019 15:53

Tgt Ion: 75 Resp: 94322
Ion Ratio Lower Upper
75 100
77 1.6 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: 56.682 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060950.D

Acq: 5 Mar 2019 15:53

Instrument :

MSVOA_D

ClientSampleId :

SB-C-0-2

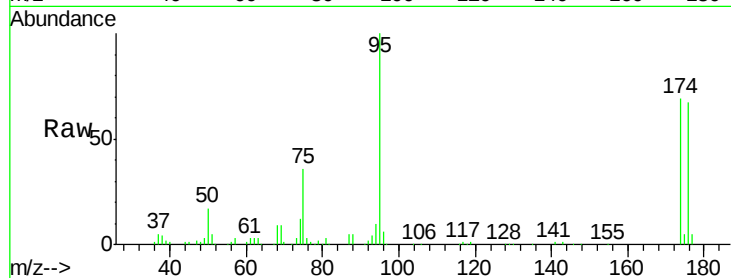
Tot Ion: 75 Resp: 116996

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

