

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030519\
 Data File : VD060951.D
 Acq On : 5 Mar 2019 16:21
 Operator : VA/AP
 Sample : K1714-14
 Misc : 5.78g/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Mar 06 04:08:16 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	638891	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1161064	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	885402	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	435743	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	229070	43.37	ug/l	0.02
Spiked Amount			Recovery	=	86.74%	
35) Dibromofluoromethane	6.94	113	360144	38.69	ug/l	0.03
Spiked Amount			Recovery	=	77.38%	
50) Toluene-d8	10.42	98	884055	38.17	ug/l	0.02
Spiked Amount			Recovery	=	76.34%	
62) 4-Bromofluorobenzene	13.56	95	333106	38.06	ug/l	0.01
Spiked Amount			Recovery	=	76.12%	

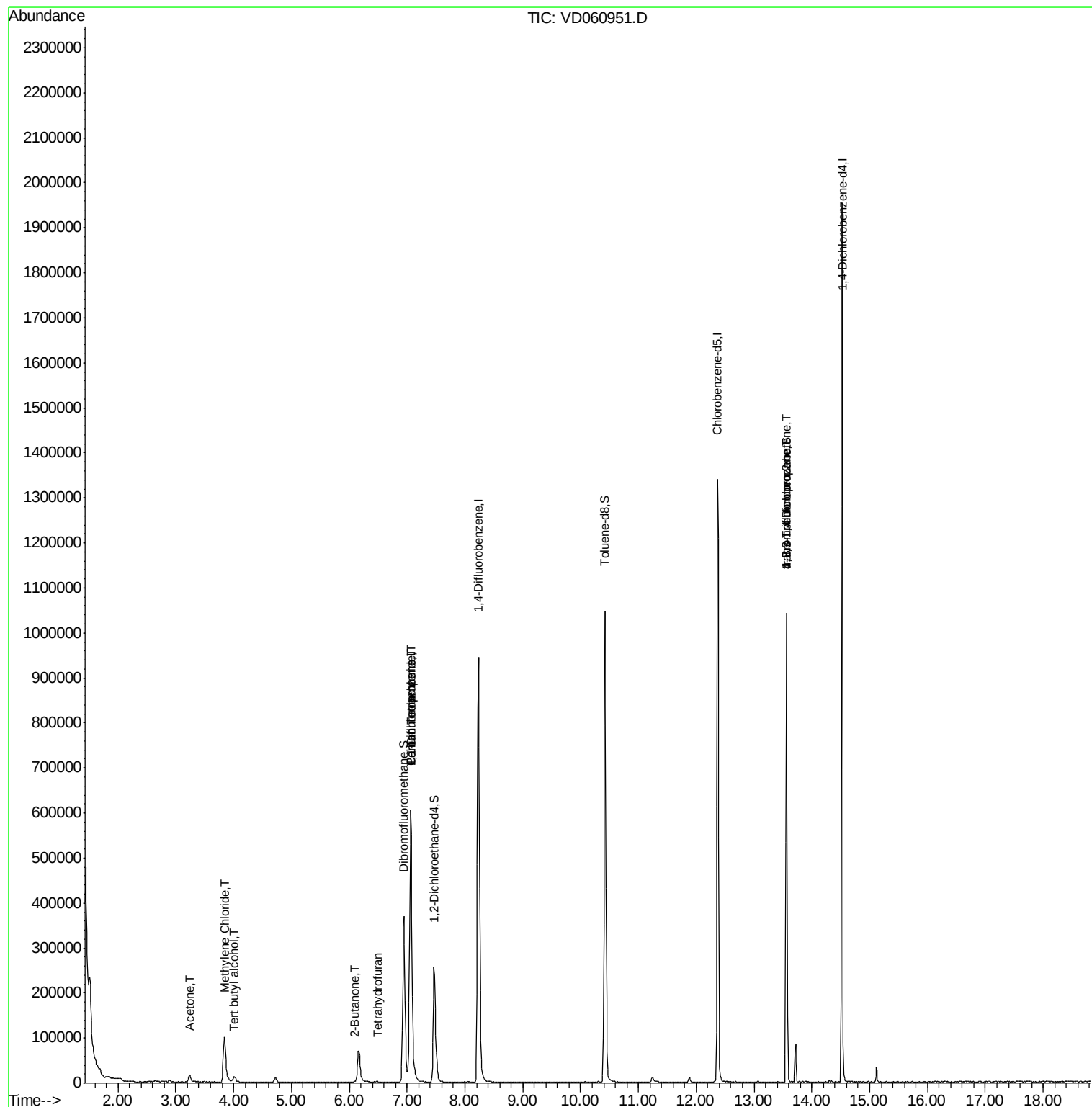
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.01	59	13135	33.367	ug/l #	77
16) Acetone	3.24	43	32442	18.397	ug/l	96
20) Methylene Chloride	3.84	84	78756	6.231	ug/l	98
25) 2-Butanone	6.09	43	2385	1.090	ug/l #	55
29) Tetrahydrofuran	6.49	42	1777	1.578	ug/l #	52
36) 1,1-Dichloropropene	7.06	75	49831	4.668	ug/l #	45
38) Carbon Tetrachloride	7.06	117	62457	5.446	ug/l #	16
76) 1,2,3-Trichloropropane	13.56	75	85157	12.061	ug/l #	46
81) trans-1,4-Dichloro-2-buten	13.56	75	120872	57.848	ug/l #	20
89) n-Butylbenzene	14.80	91	626	Below Cal	#	82

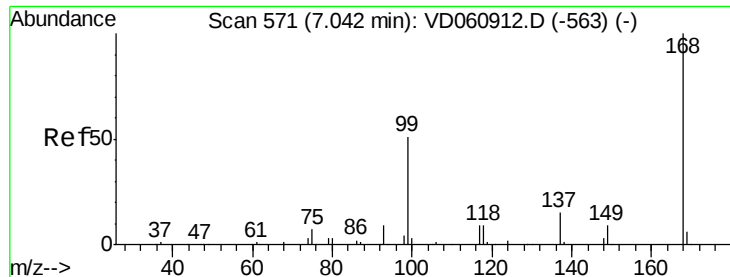
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030519\
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Quant Time: Mar 06 04:08:16 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: VD060951.D

Acq: 5 Mar 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

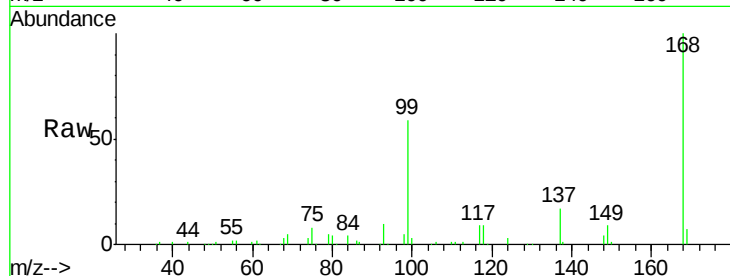
SB-C-2-5

Tot Ion:168 Resp: 638891

Ion Ratio Lower Upper

168 100

99 59.4 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.06

250000

200000

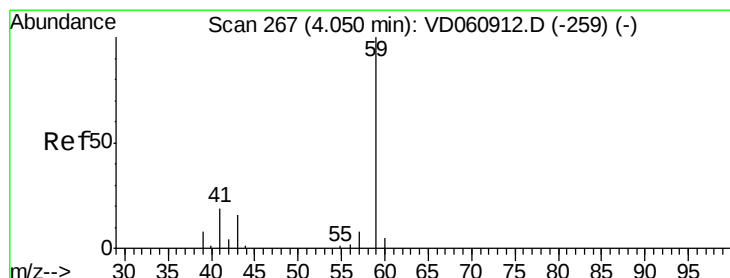
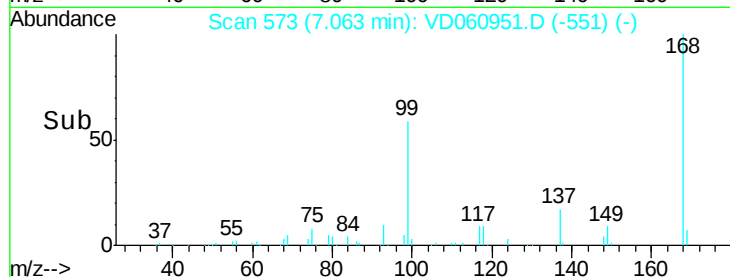
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 33.367 ug/l

RT: 4.01 min Scan# 263

Delta R.T. -0.04 min

Lab File: VD060951.D

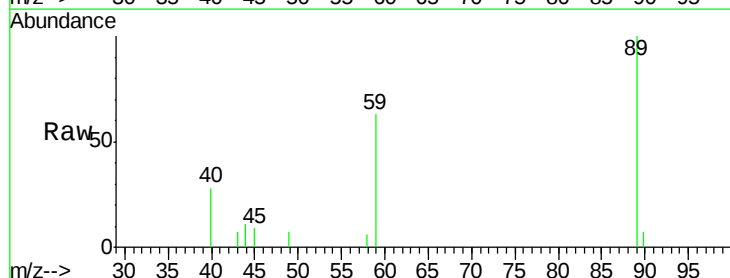
Acq: 5 Mar 2019 16:21

Tgt Ion: 59 Resp: 13135

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

4.01

4000

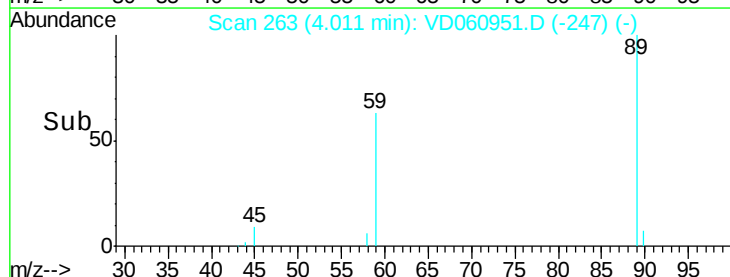
3000

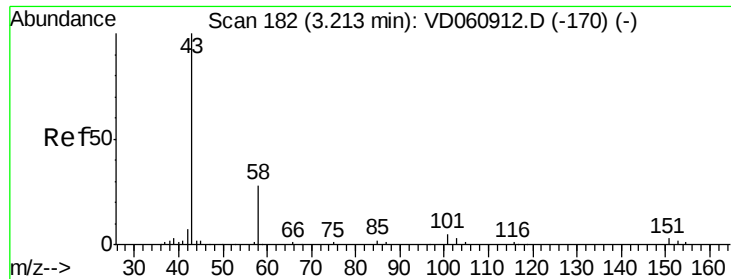
2000

1000

0

Time--> 3.90 4.00 4.10

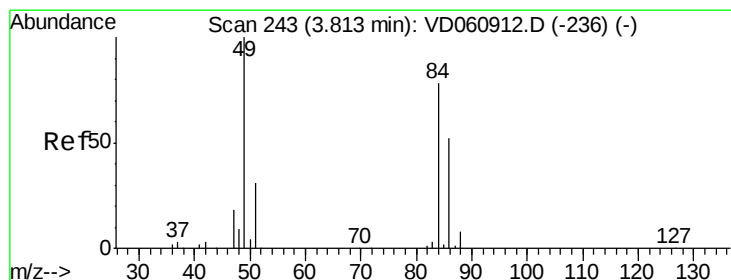
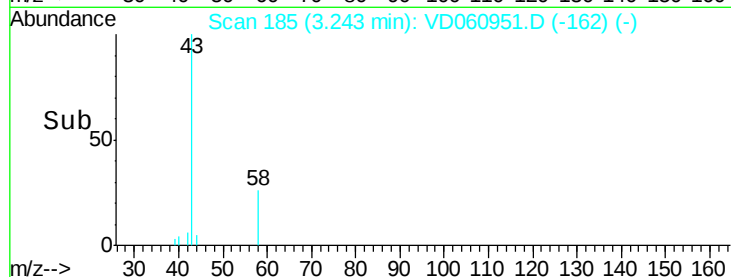
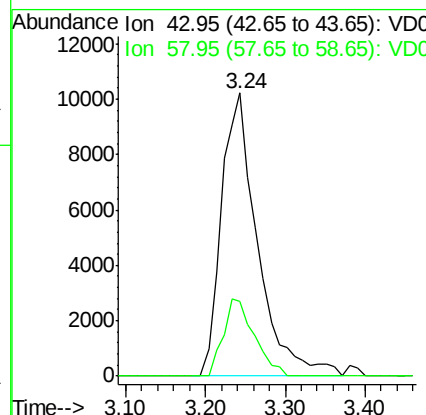
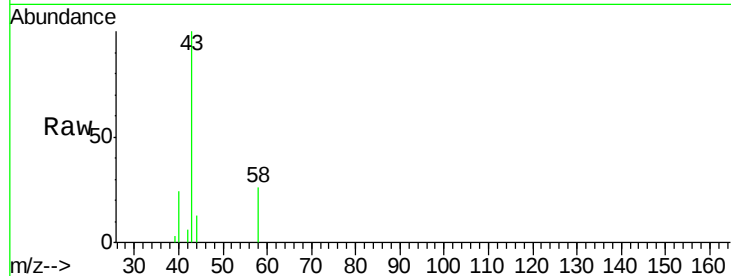




#16
Acetone
Concen: 18.397 ug/l
RT: 3.24 min Scan# 185
Delta R.T. 0.03 min
Lab File: VD060951.D
Acq: 5 Mar 2019 16:21

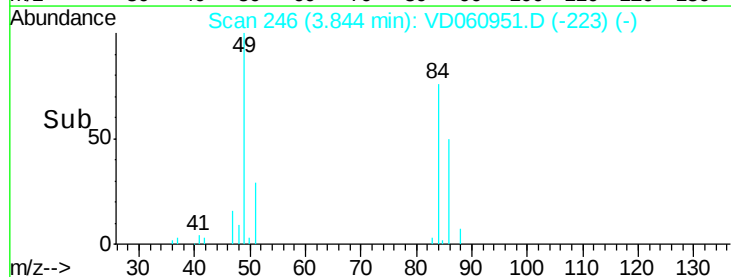
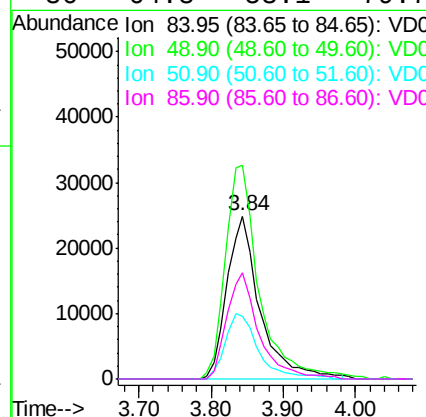
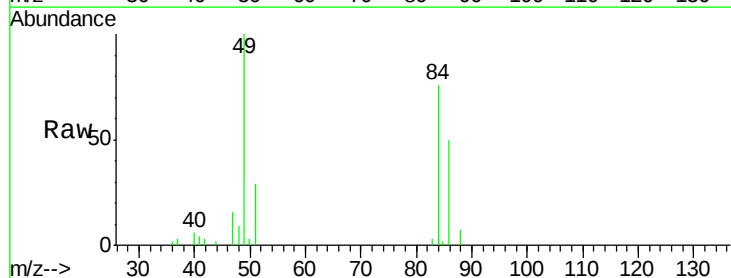
Instrument :
MSVOA_D
ClientSampleId :
SB-C-2-5

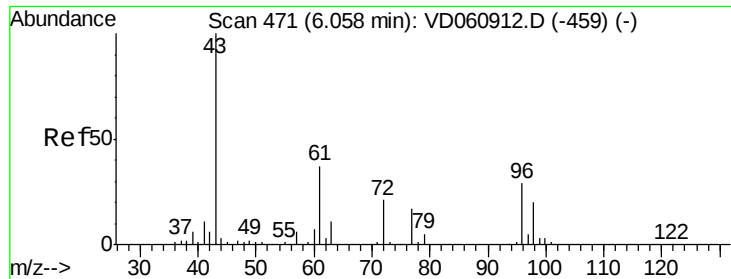
Tot Ion: 43 Resp: 32442
Ion Ratio Lower Upper
43 100
58 26.3 22.8 34.2



#20
Methylene Chloride
Concen: 6.231 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.03 min
Lab File: VD060951.D
Acq: 5 Mar 2019 16:21

Tgt Ion: 84 Resp: 78756
Ion Ratio Lower Upper
84 100
49 130.9 102.4 153.6
51 38.1 31.9 47.9
86 64.8 53.1 79.7





#25

2-Butanone

Concen: 1.090 ug/l

RT: 6.09 min Scan# 474

Delta R.T. 0.03 min

Lab File: VD060951.D

Acq: 5 Mar 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

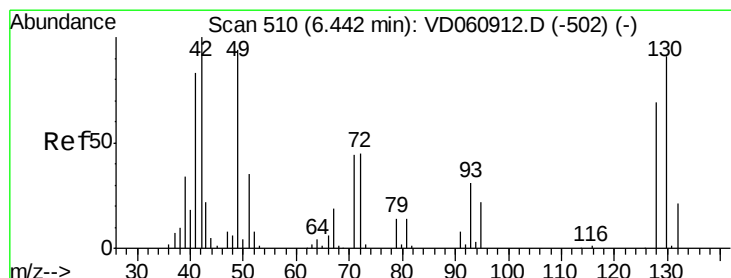
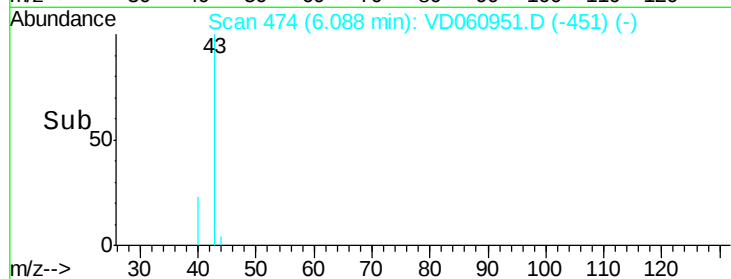
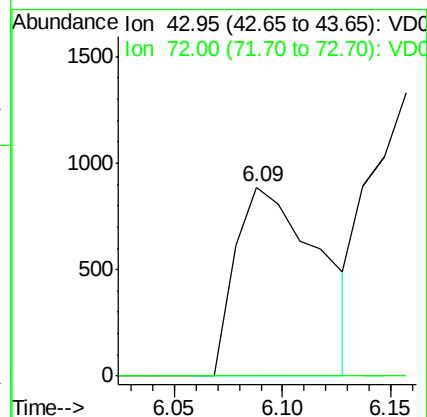
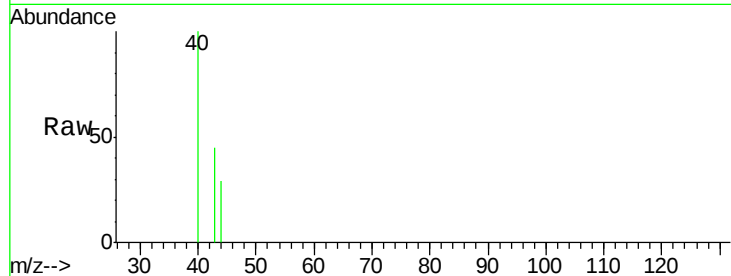
SB-C-2-5

Tot Ion: 43 Resp: 2385

Ion Ratio Lower Upper

43 100

72 0.0 17.0 25.4#



#29

Tetrahydrofuran

Concen: 1.578 ug/l

RT: 6.49 min Scan# 515

Delta R.T. 0.05 min

Lab File: VD060951.D

Acq: 5 Mar 2019 16:21

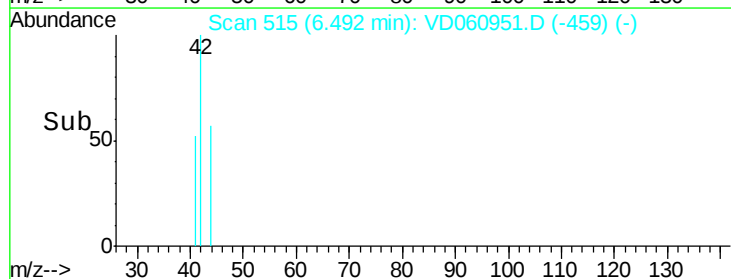
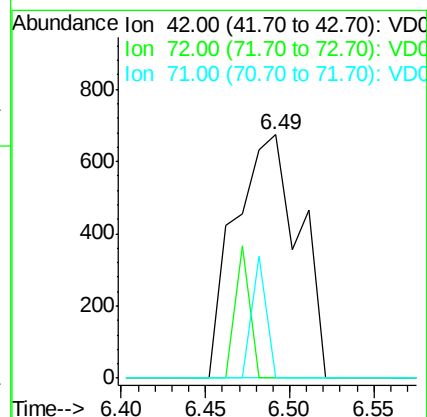
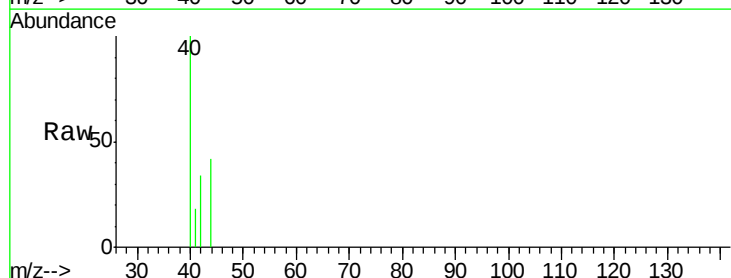
Tgt Ion: 42 Resp: 1777

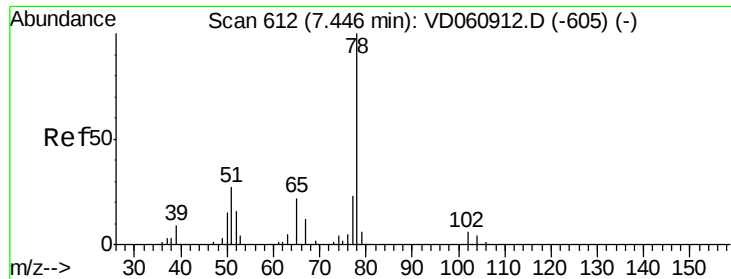
Ion Ratio Lower Upper

42 100

72 12.2 33.8 50.6#

71 11.3 33.5 50.3#

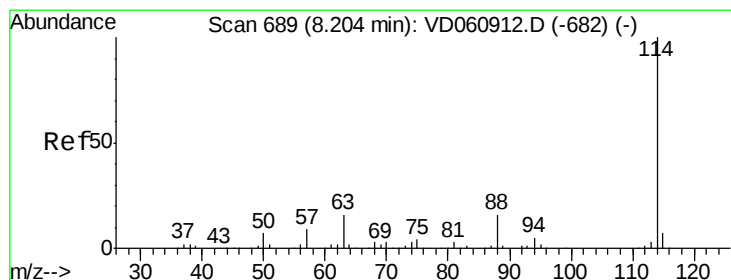
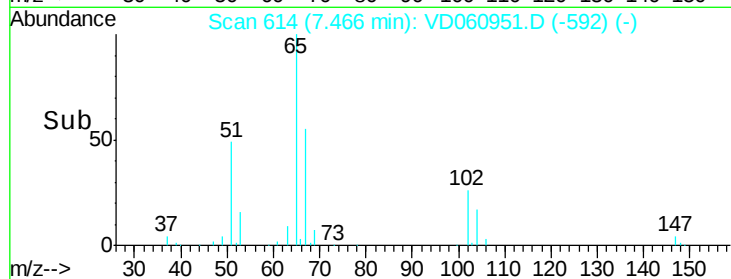
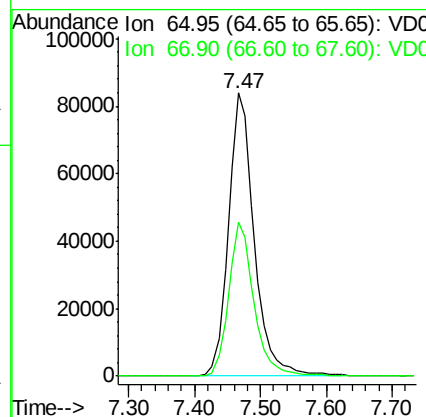
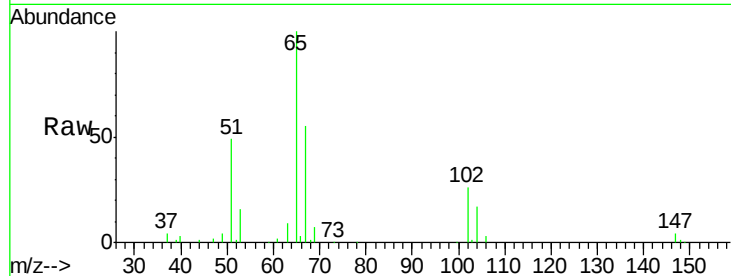




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD060951.D
 Acq: 5 Mar 2019 16:21

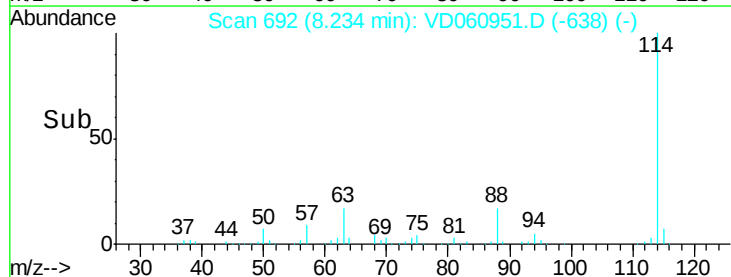
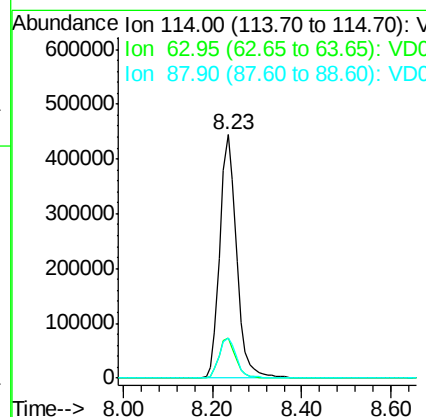
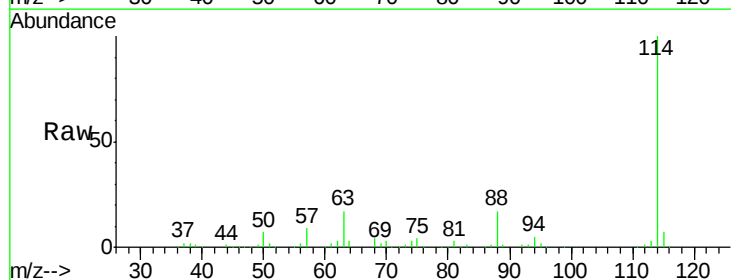
Instrument :
 MSVOA_D
 ClientSampleID :
 SB-C-2-5

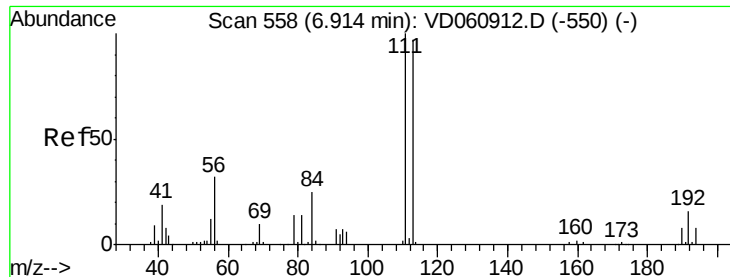
Tot Ion: 65 Resp: 229070
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 692
 Delta R.T. 0.03 min
 Lab File: VD060951.D
 Acq: 5 Mar 2019 16:21

Tgt Ion: 114 Resp: 1161064
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 32.0
 88 16.7 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.03 min

Lab File: VD060951.D

Acq: 5 Mar 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

SB-C-2-5

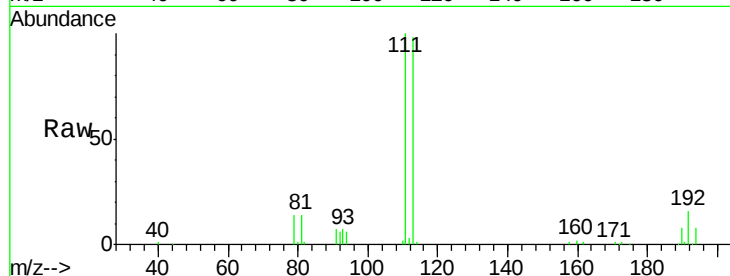
Tot Ion:113 Resp: 360144

Ion Ratio Lower Upper

113 100

111 102.2 82.6 124.0

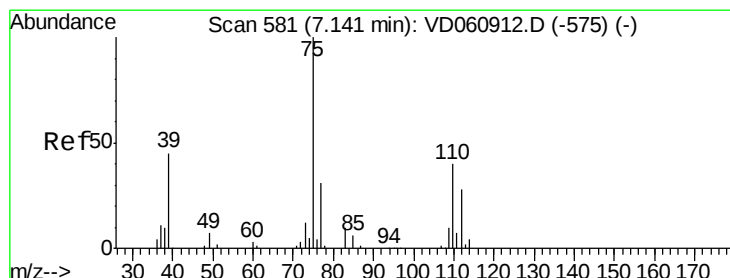
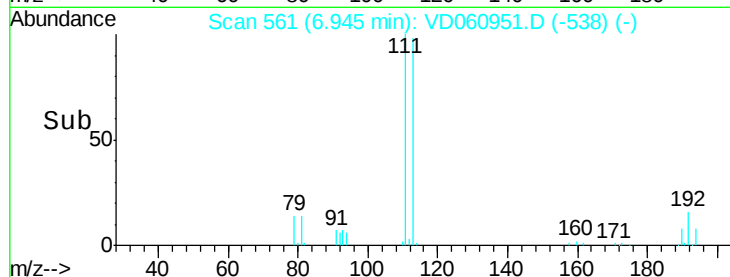
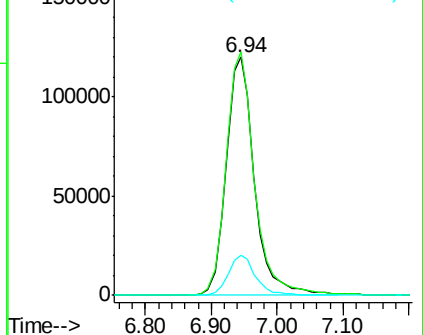
192 16.6 13.4 20.2



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: 4.668 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.08 min

Lab File: VD060951.D

Acq: 5 Mar 2019 16:21

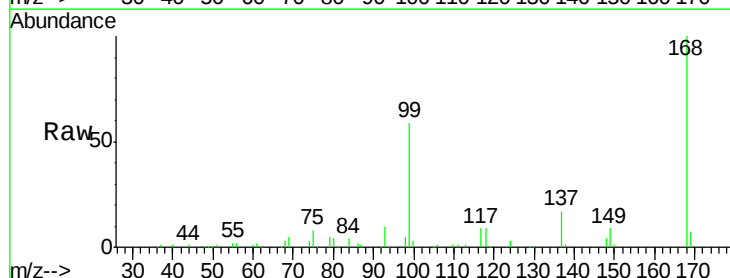
Tgt Ion: 75 Resp: 49831

Ion Ratio Lower Upper

75 100

110 7.2 19.9 59.7#

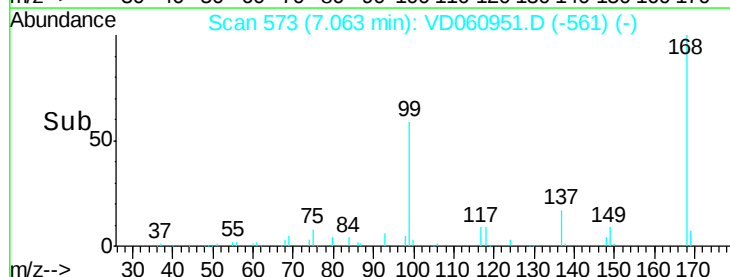
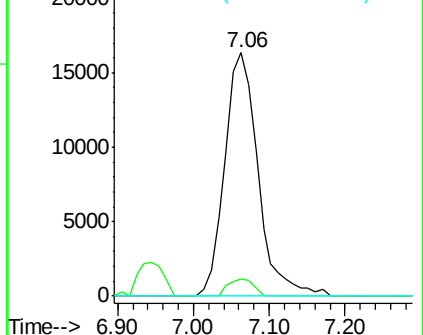
77 0.0 25.0 37.6#

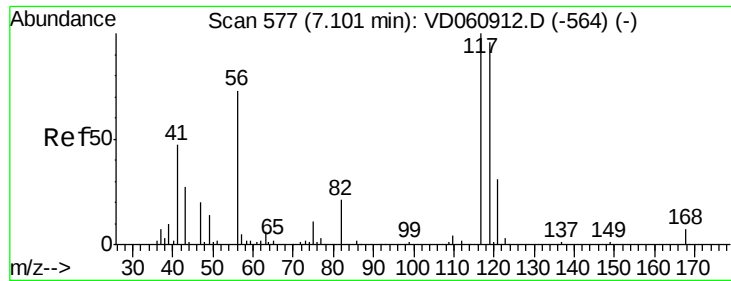


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#38

Carbon Tetrachloride

Concen: 5.446 ug/l

RT: 7.06 min Scan# 573

Delta R.T. -0.04 min

Lab File: VD060951.D

Acq: 5 Mar 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

SB-C-2-5

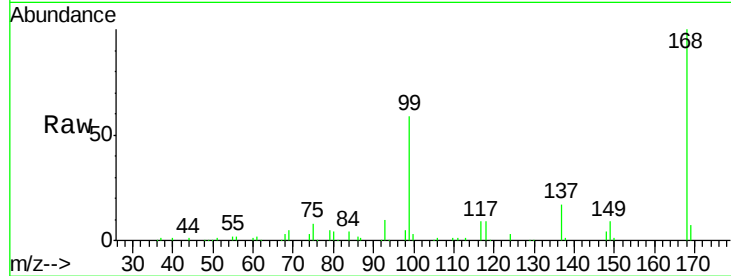
Tot Ion:117 Resp: 62457

Ion Ratio Lower Upper

117 100

119 4.7 76.9 115.3#

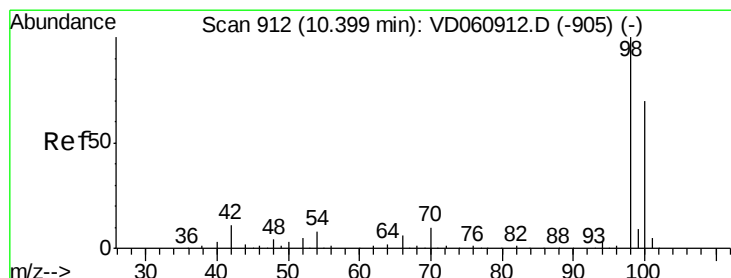
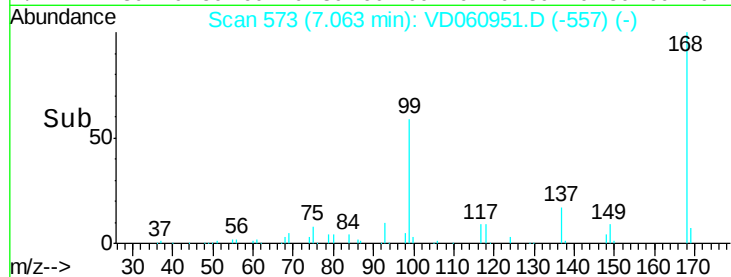
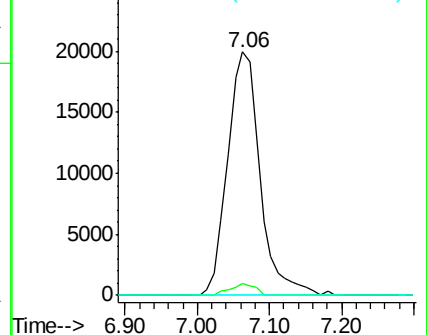
121 0.0 24.5 36.7#



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: VD060951.D

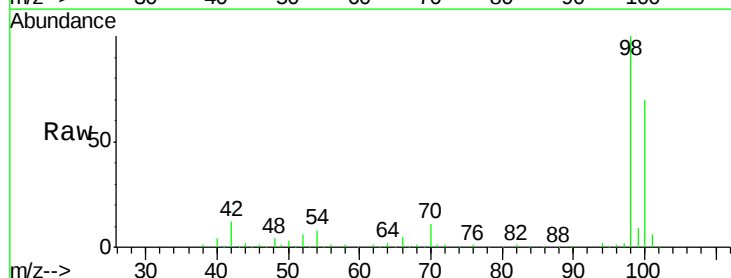
Acq: 5 Mar 2019 16:21

Tgt Ion: 98 Resp: 884055

Ion Ratio Lower Upper

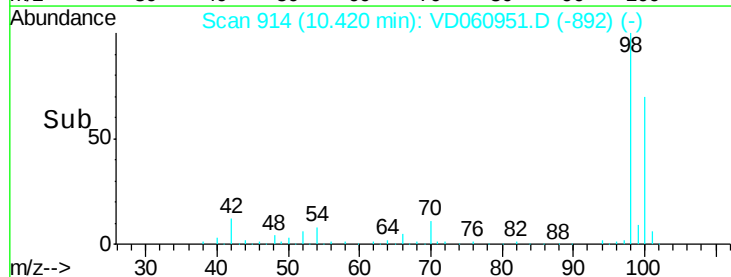
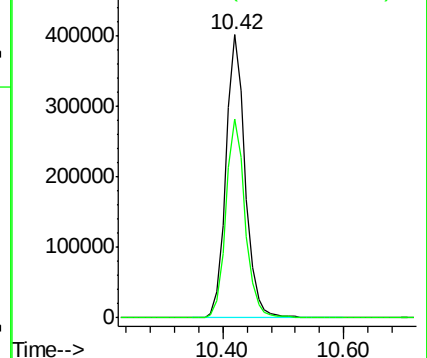
98 100

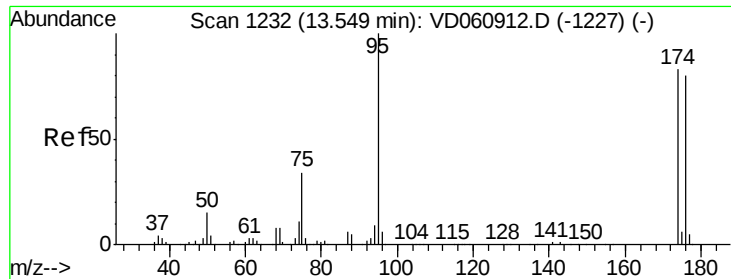
100 70.4 57.0 85.4



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: VD060951.D

Acq: 5 Mar 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

SB-C-2-5

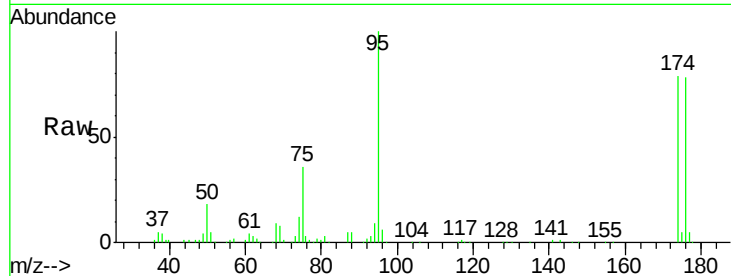
Tot Ion: 95 Resp: 333106

Ion Ratio Lower Upper

95 100

174 79.4 0.0 165.6

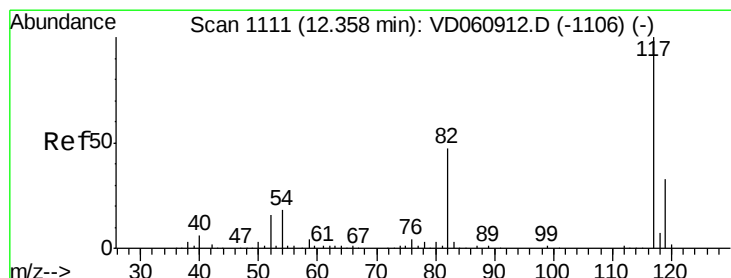
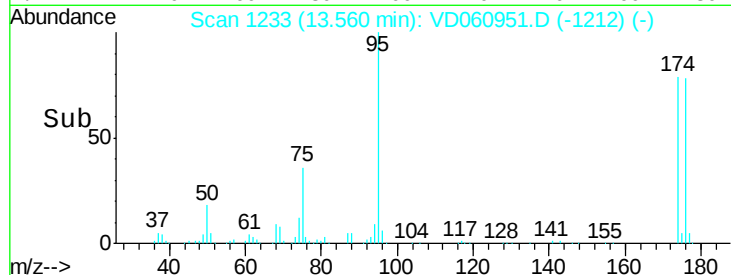
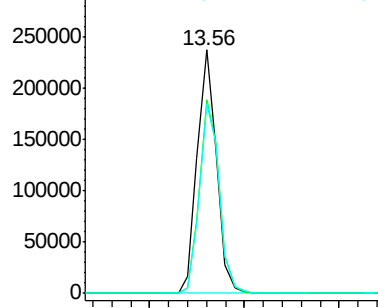
176 78.2 0.0 160.6



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: 12.37 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD060951.D

Acq: 5 Mar 2019 16:21

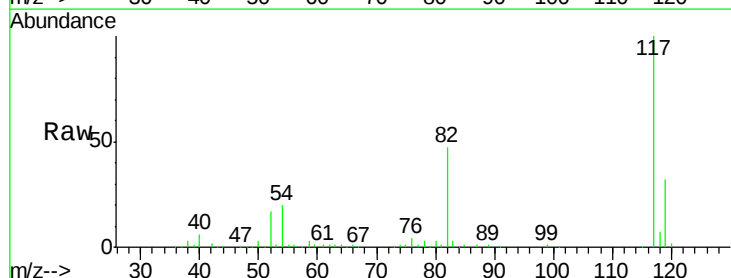
Tgt Ion: 117 Resp: 885402

Ion Ratio Lower Upper

117 100

82 47.3 37.5 56.3

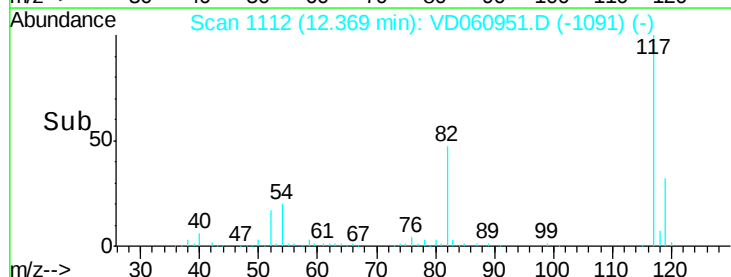
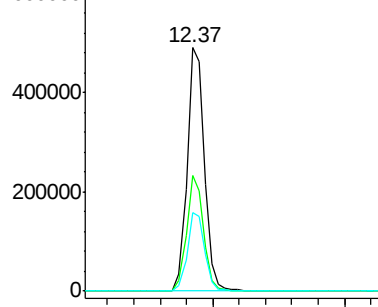
119 32.3 26.2 39.2

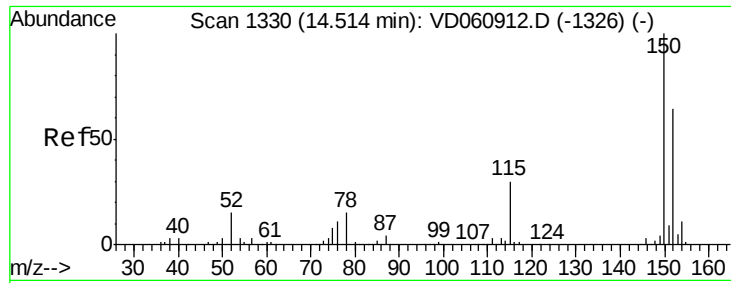


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



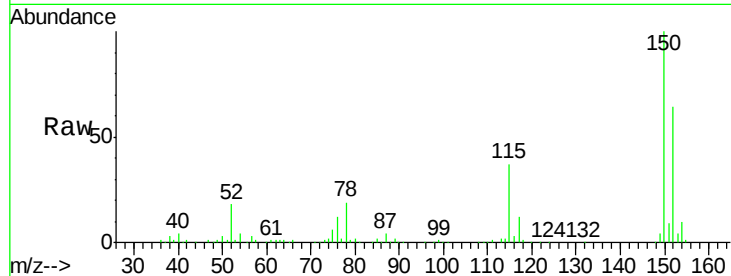


#72

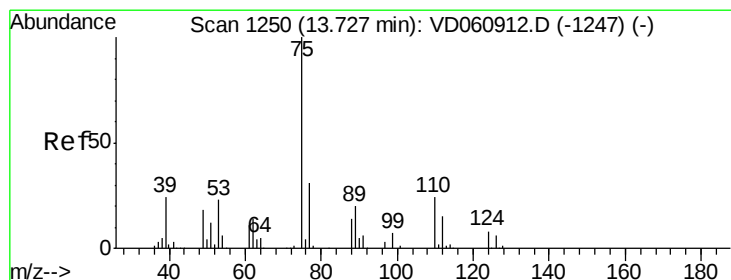
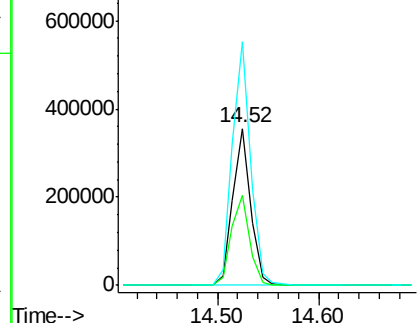
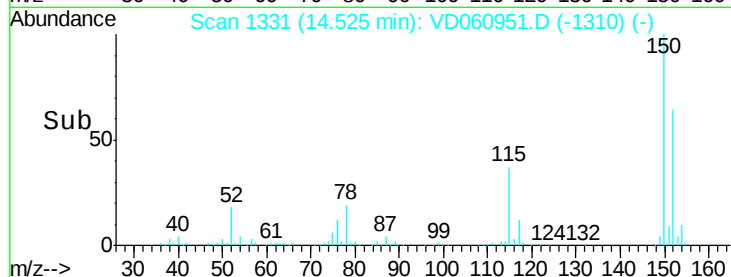
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD060951.D
Acq: 5 Mar 2019 16:21

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

Tot Ion:152 Resp: 435743
Ion Ratio Lower Upper
152 100
115 57.6 27.6 82.8
150 155.1 0.0 312.8



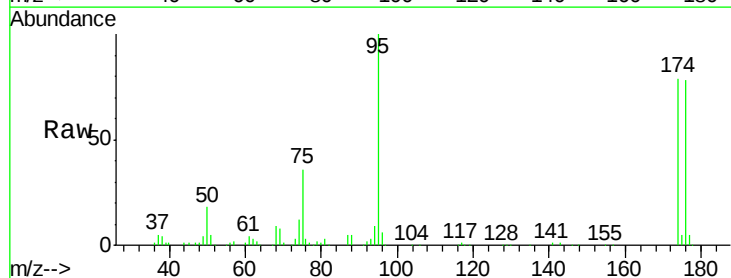
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



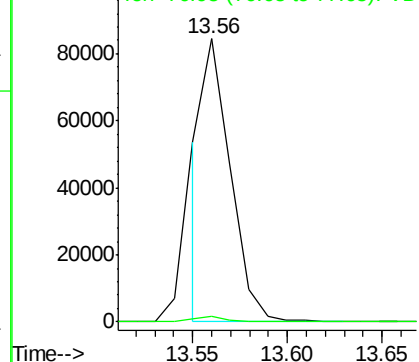
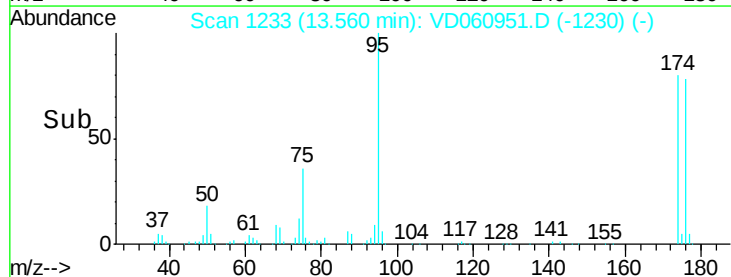
#76

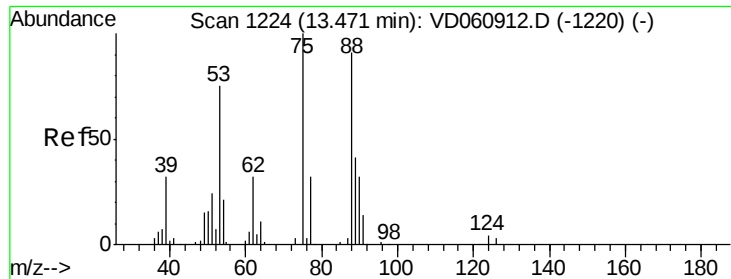
1,2,3-Trichloropropane
Concen: 12.061 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. -0.17 min
Lab File: VD060951.D
Acq: 5 Mar 2019 16:21

Tgt Ion: 75 Resp: 85157
Ion Ratio Lower Upper
75 100
77 1.9 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: 57.848 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD060951.D

Acq: 5 Mar 2019 16:21

Instrument :

MSVOA_D

ClientSampleId :

SB-C-2-5

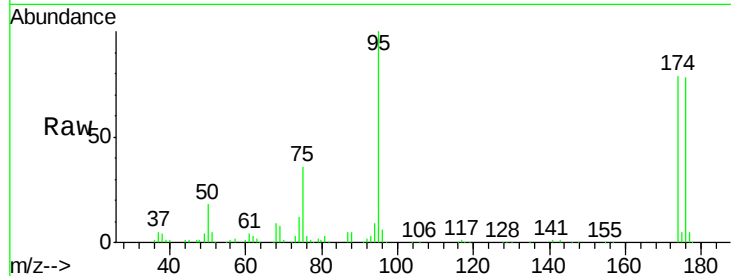
Tot Ion: 75 Resp: 120872

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

