

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032819\
 Data File : VD061416.D
 Acq On : 29 Mar 2019 5:15
 Operator : VA/AP
 Sample : K2107-15
 Misc : 4.73g/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

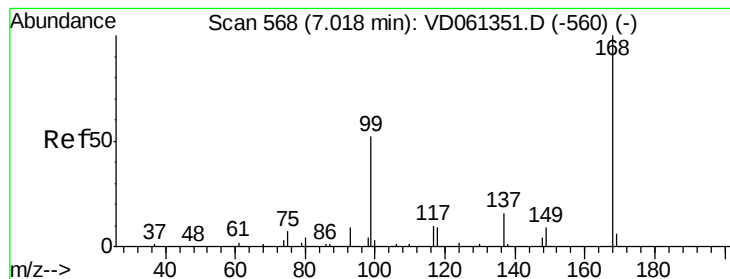
Quant Time: Mar 29 06:44:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	558308	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	998240	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	841634	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	359966	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	269577	56.52	ug/l	0.02
Spiked Amount			Recovery	=	113.04%	
35) Dibromofluoromethane	6.93	113	430404	56.42	ug/l	0.03
Spiked Amount			Recovery	=	112.84%	
50) Toluene-d8	10.41	98	926773	50.65	ug/l	0.02
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	13.56	95	392072	55.88	ug/l	0.01
Spiked Amount			Recovery	=	111.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.34	142	1882	3.631	ug/l #	38
16) Acetone	3.23	43	20512	16.730	ug/l	93
20) Methylene Chloride	3.83	84	97257	12.729	ug/l	93
31) Cyclohexane	7.05	56	9205	1.121	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	38755	4.448	ug/l #	44
38) Carbon Tetrachloride	7.05	117	51932	5.187	ug/l #	14
52) Toluene	10.52	92	24607	1.845	ug/l	93
76) 1,2,3-Trichloropropane	13.56	75	130733	25.142	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	143536	90.535	ug/l #	18

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.03 min

Lab File: VD061416.D

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ClientSampleId :

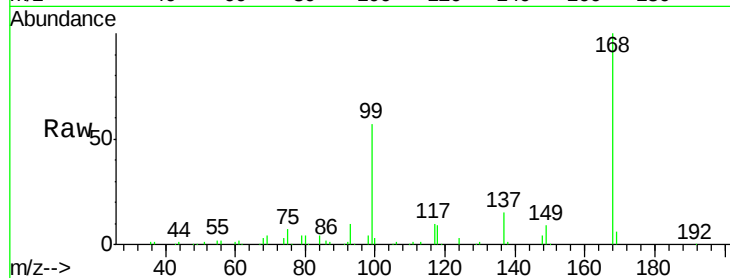
BFB

Tot Ion:168 Resp: 558308

Ion Ratio Lower Upper

168 100

99 56.8 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V

7.05

200000

150000

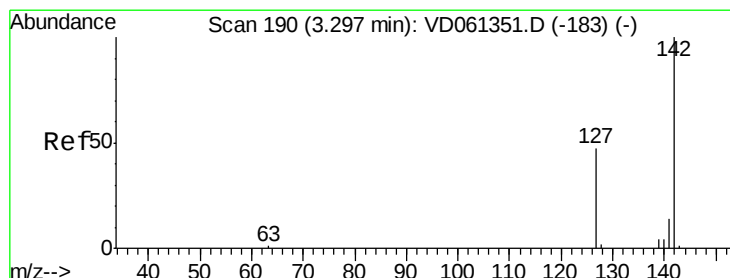
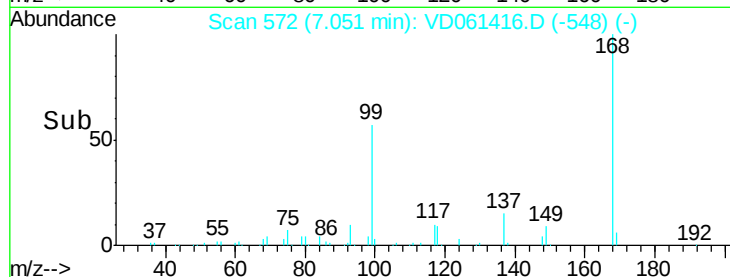
100000

50000

0

Time-->

6.90 7.00 7.10 7.20



#10

Methyl Iodide

Concen: 3.631 ug/l

RT: 3.34 min Scan# 195

Delta R.T. 0.04 min

Lab File: VD061416.D

Acq: 29 Mar 2019 5:15

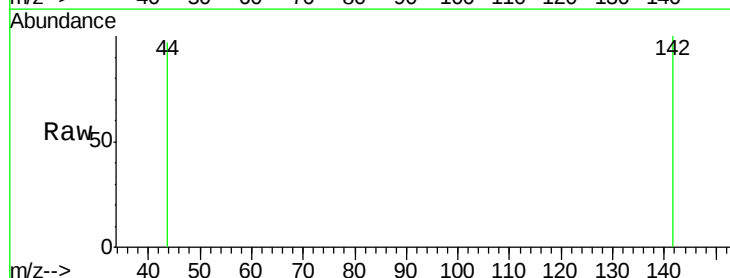
Tgt Ion:142 Resp: 1882

Ion Ratio Lower Upper

142 100

127 0.0 37.7 56.5#

141 0.0 11.5 17.3#



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

800

600

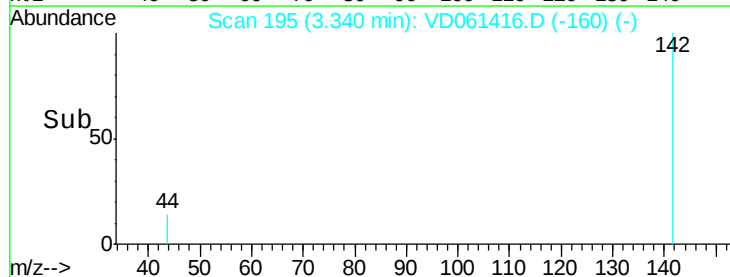
400

200

0

Time-->

3.25 3.30 3.35 3.40 3.45





#16

Acetone

Concen: 16.730 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.03 min

Lab File: VD061416.D

Acq: 29 Mar 2019 5:15

Instrument :

MSVOA_D

ClientSampleId :

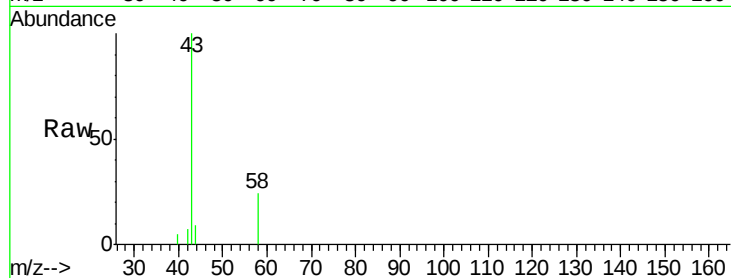
BFB

Tot Ion: 43 Resp: 20512

Ion Ratio Lower Upper

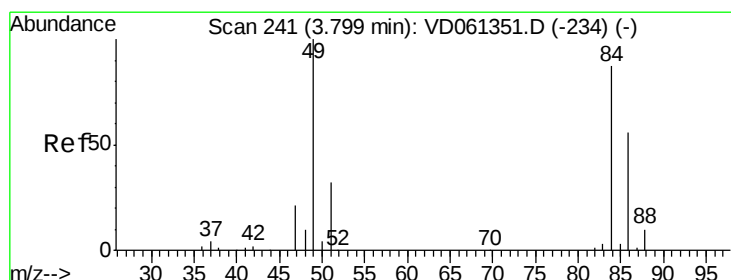
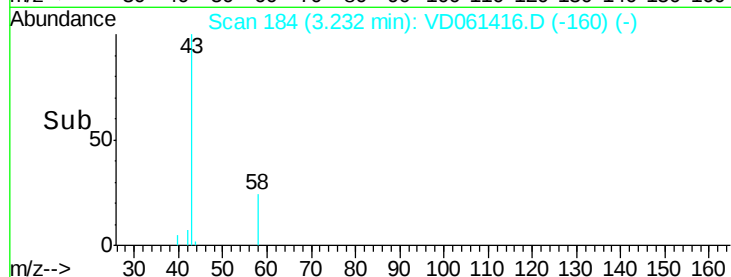
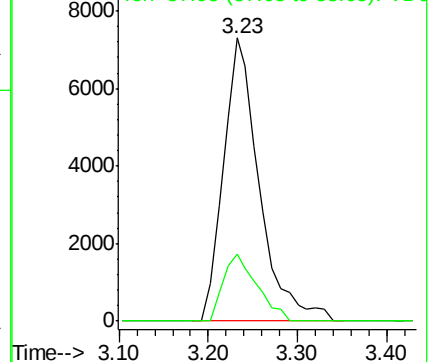
43 100

58 23.5 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 12.729 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD061416.D

Acq: 29 Mar 2019 5:15

Tgt Ion: 84 Resp: 97257

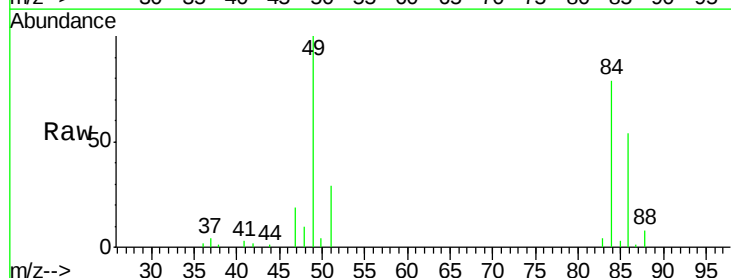
Ion Ratio Lower Upper

84 100

49 126.4 91.8 137.8

51 36.5 29.8 44.8

86 68.0 51.8 77.6

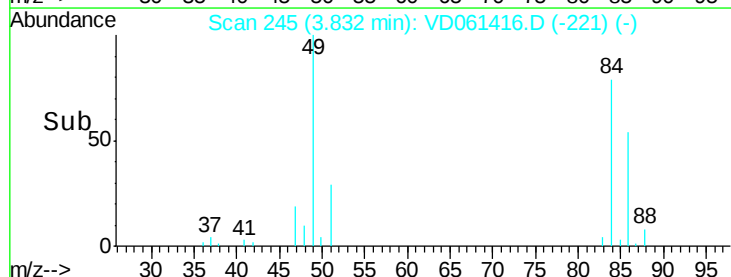
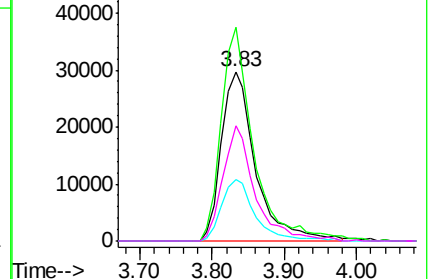


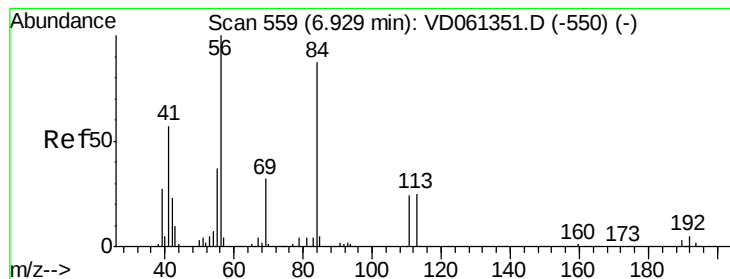
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#31

Cyclohexane

Concen: 1.121 ug/l

RT: 7.05 min Scan# 572

Delta R.T. 0.12 min

Lab File: VD061416.D

Acq: 29 Mar 2019 5:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

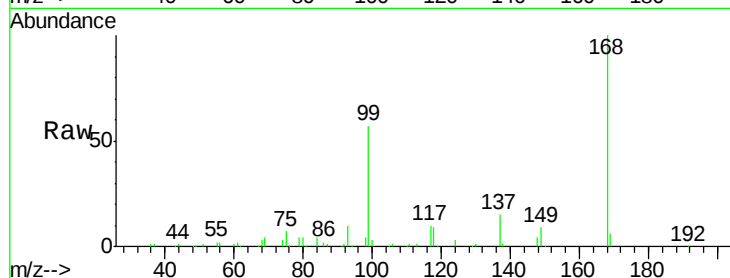
Tot Ion: 56 Resp: 9205

Ion Ratio Lower Upper

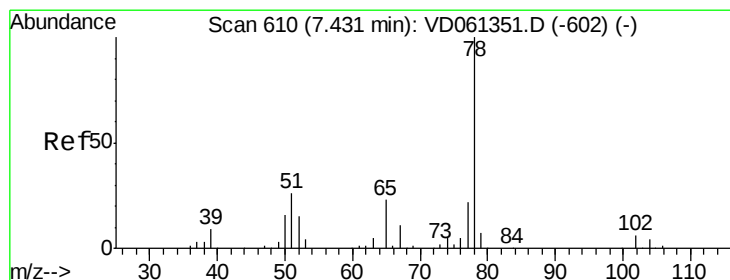
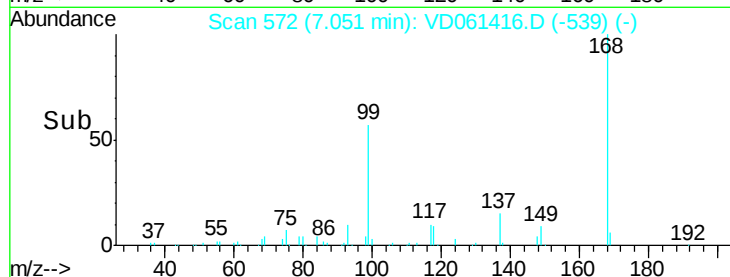
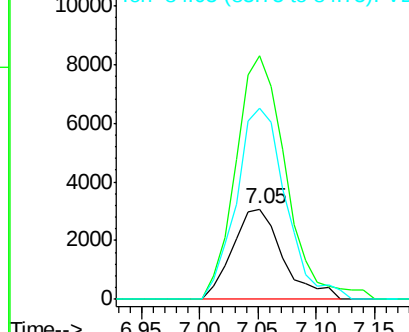
56 100

69 269.2 25.7 38.5#

84 211.5 70.6 105.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD061416.D

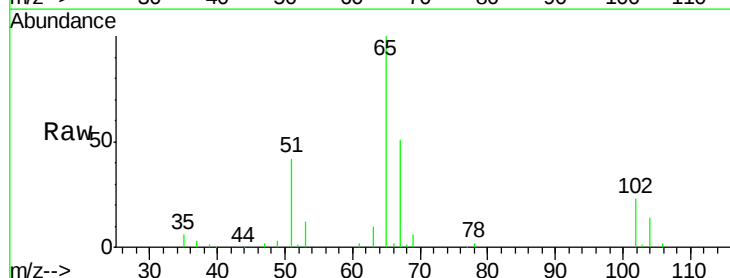
Acq: 29 Mar 2019 5:15

Tgt Ion: 65 Resp: 269577

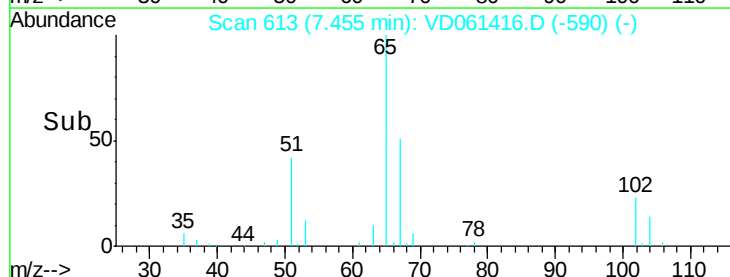
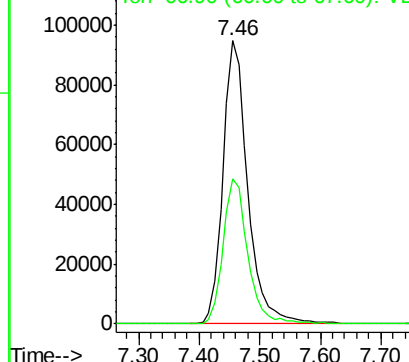
Ion Ratio Lower Upper

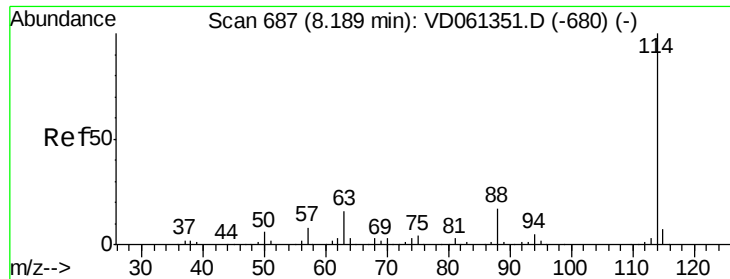
65 100

67 51.3 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

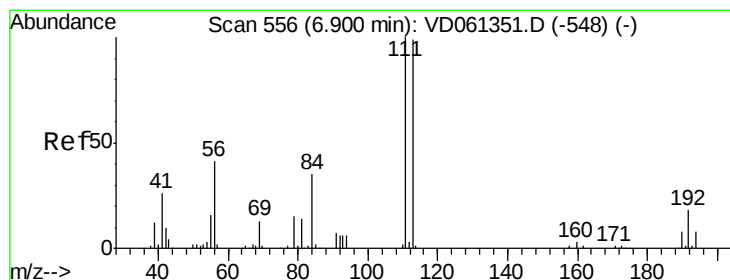
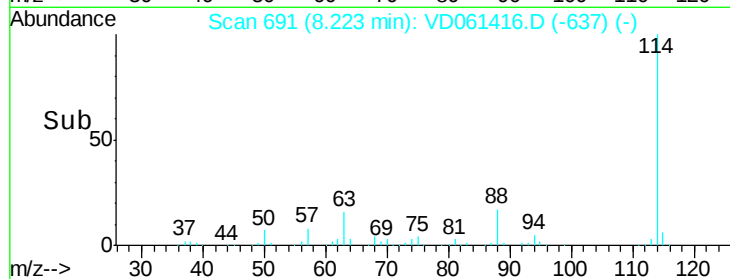
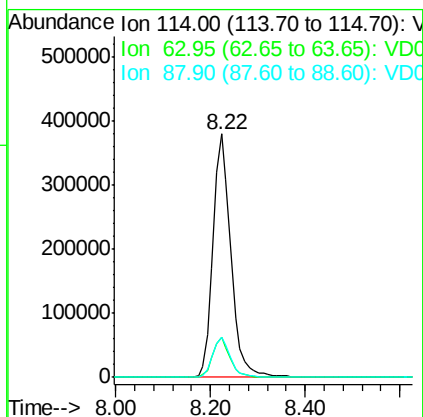
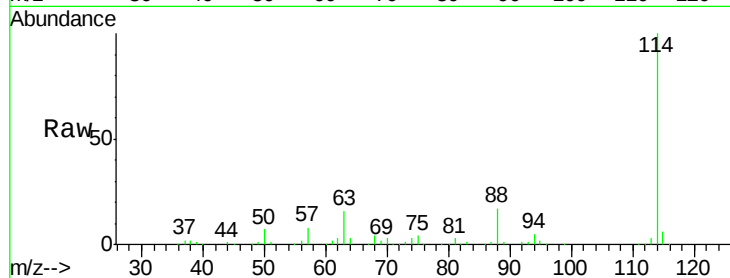




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.03 min
 Lab File: VD061416.D
 Acq: 29 Mar 2019 5:15

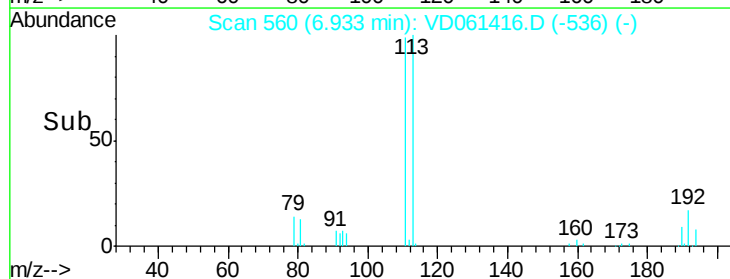
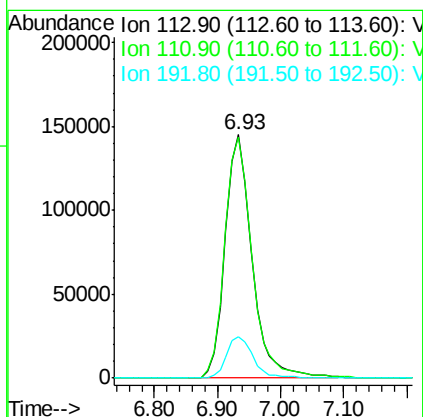
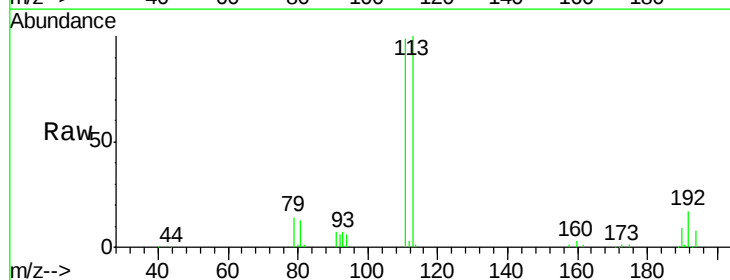
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

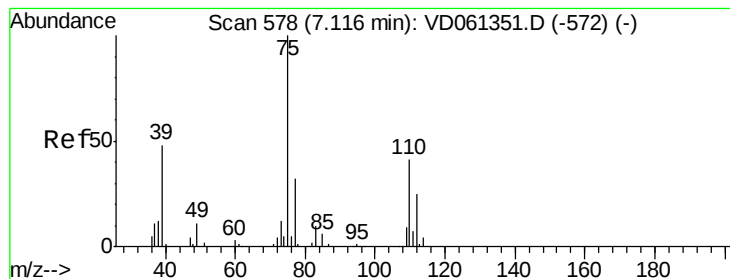
Tot Ion:114 Resp: 998240
 Ion Ratio Lower Upper
 114 100
 63 16.3 0.0 31.6
 88 16.7 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD061416.D
 Acq: 29 Mar 2019 5:15

Tgt Ion:113 Resp: 430404
 Ion Ratio Lower Upper
 113 100
 111 98.8 81.0 121.6
 192 17.0 14.4 21.6





#36

1,1-Dichloropropene

Concen: 4.448 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.06 min

Lab File: VD061416.D

Acq: 29 Mar 2019 5:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

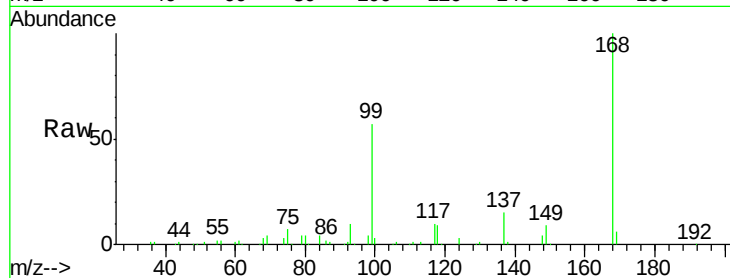
Tot Ion: 75 Resp: 38755

Ion Ratio Lower Upper

75 100

110 5.9 20.4 61.3#

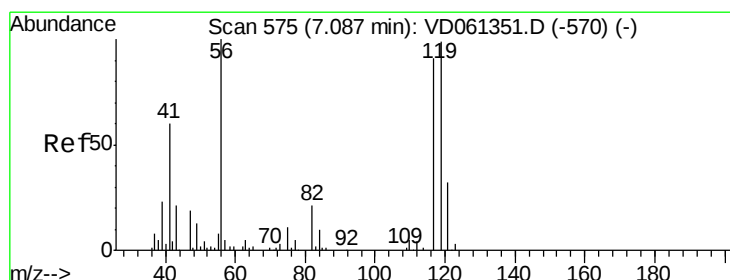
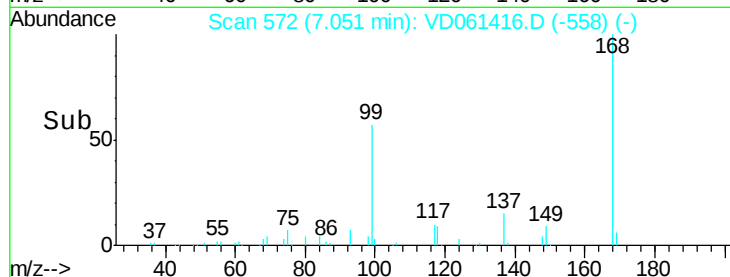
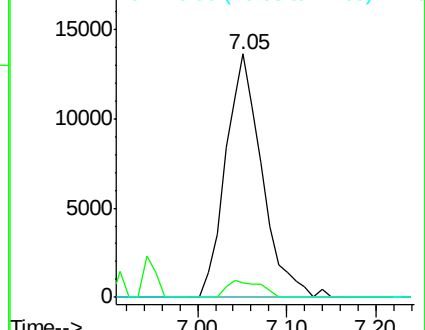
77 0.0 24.9 37.3#



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: 5.187 ug/l

RT: 7.05 min Scan# 572

Delta R.T. -0.04 min

Lab File: VD061416.D

Acq: 29 Mar 2019 5:15

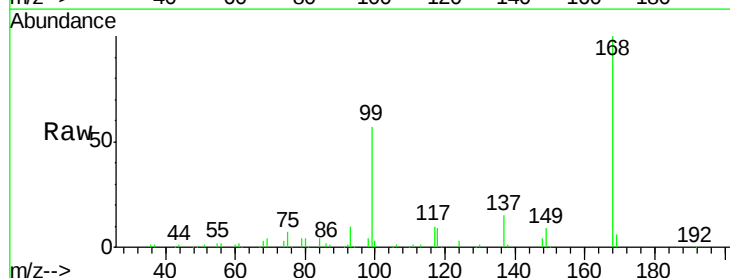
Tgt Ion: 117 Resp: 51932

Ion Ratio Lower Upper

117 100

119 5.0 80.1 120.1#

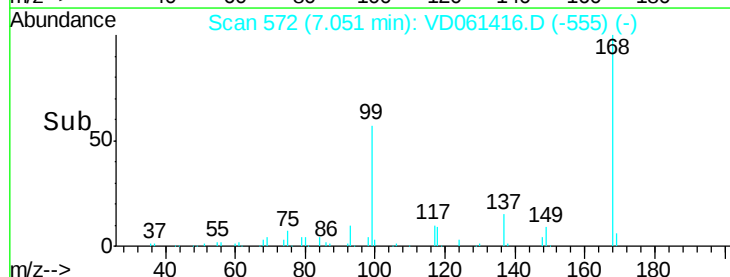
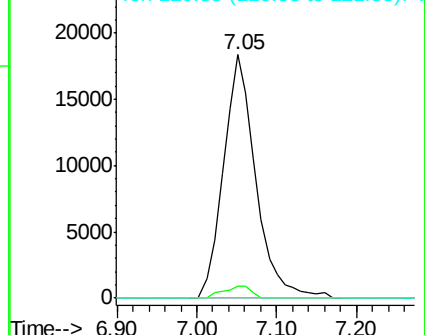
121 0.0 25.6 38.4#

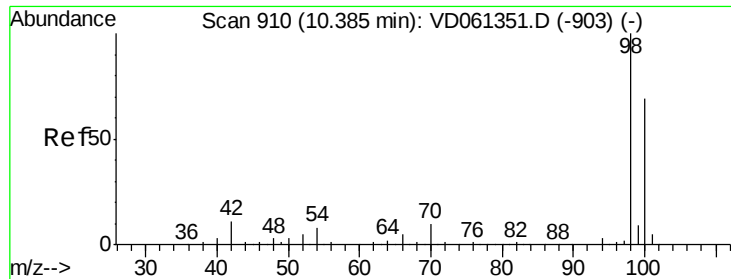


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

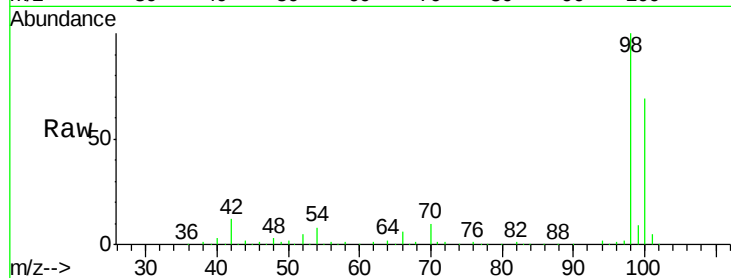




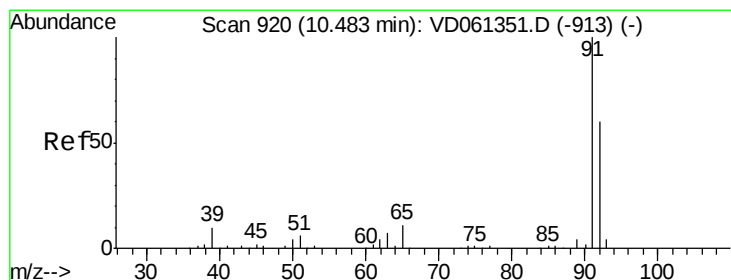
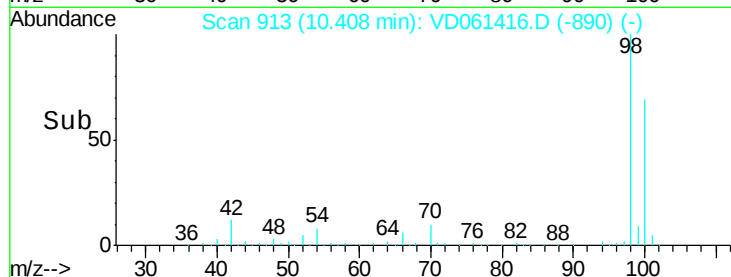
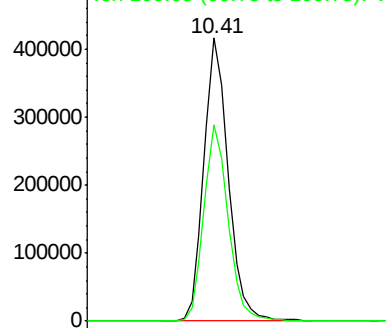
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD061416.D
Acq: 29 Mar 2019 5:15

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion: 98 Resp: 926773
Ion Ratio Lower Upper
98 100
100 69.5 56.2 84.2

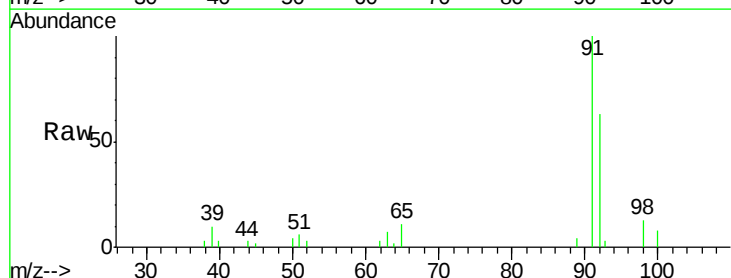


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

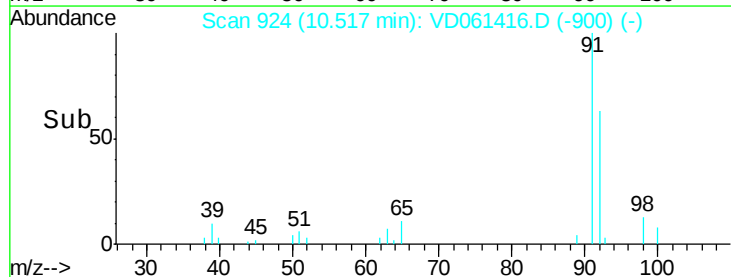
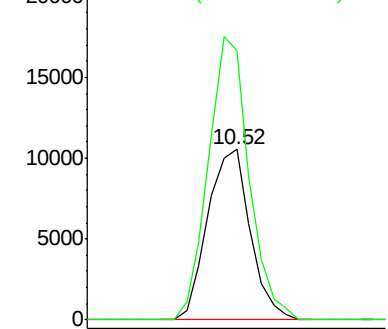


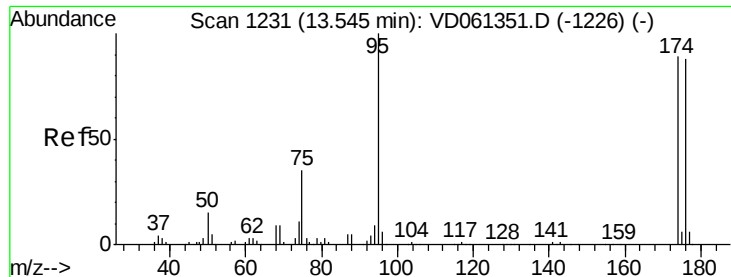
#52
Toluene
Concen: 1.845 ug/l
RT: 10.52 min Scan# 924
Delta R.T. 0.03 min
Lab File: VD061416.D
Acq: 29 Mar 2019 5:15

Tgt Ion: 92 Resp: 24607
Ion Ratio Lower Upper
92 100
91 157.7 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

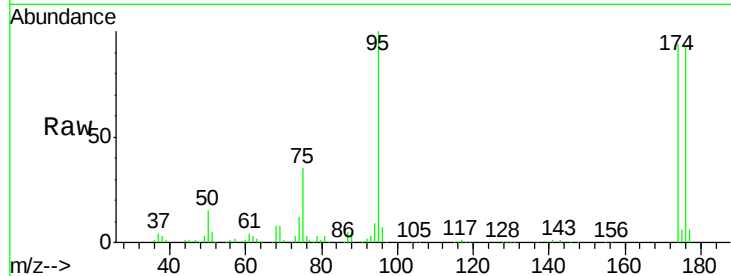




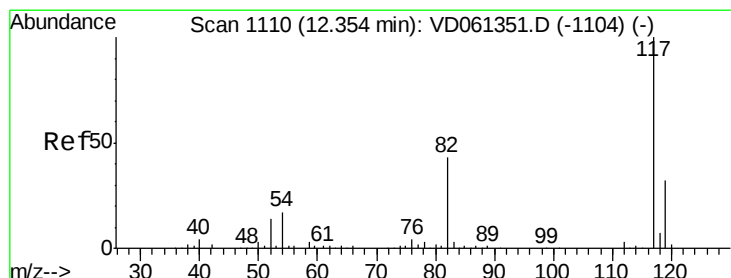
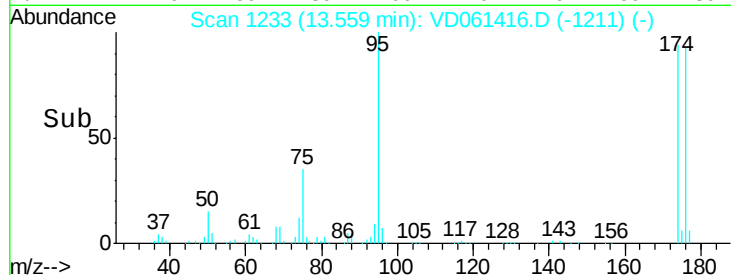
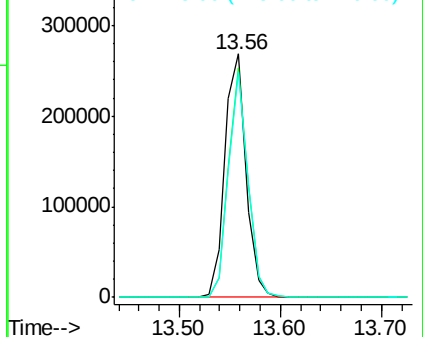
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061416.D
Acq: 29 Mar 2019 5:15

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion: 95 Resp: 392072
Ion Ratio Lower Upper
95 100
174 94.4 0.0 178.0
176 92.9 0.0 175.0

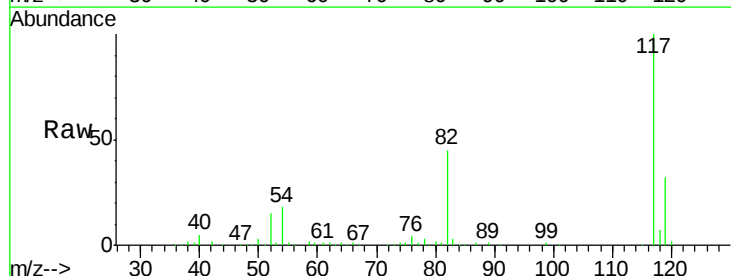


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

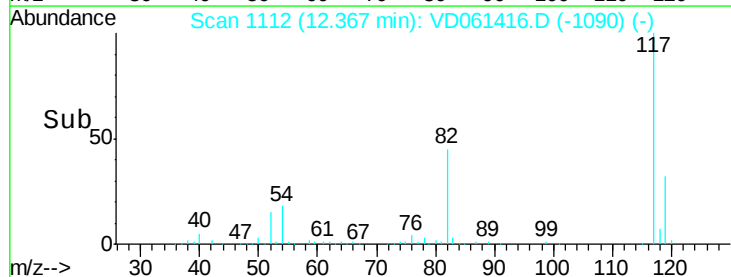
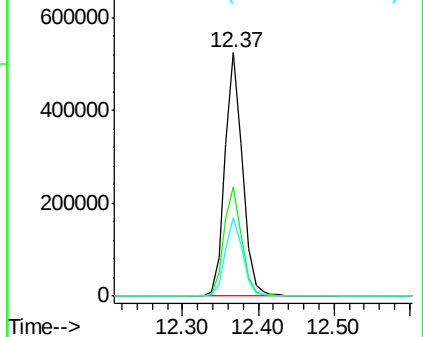


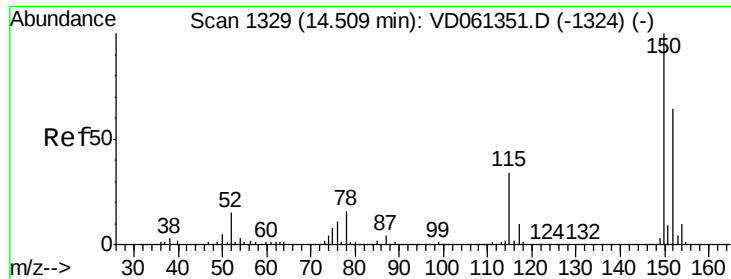
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061416.D
Acq: 29 Mar 2019 5:15

Tgt Ion: 117 Resp: 841634
Ion Ratio Lower Upper
117 100
82 44.9 34.4 51.6
119 32.1 25.8 38.6



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: 14.51 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD061416.D

Acq: 29 Mar 2019 5:15

Instrument :

MSVOA_D

ClientSampled :

BFB

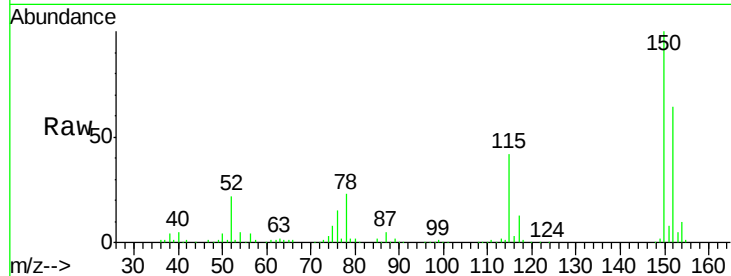
Tot Ion:152 Resp: 359966

Ion Ratio Lower Upper

152 100

115 64.8 26.9 80.6

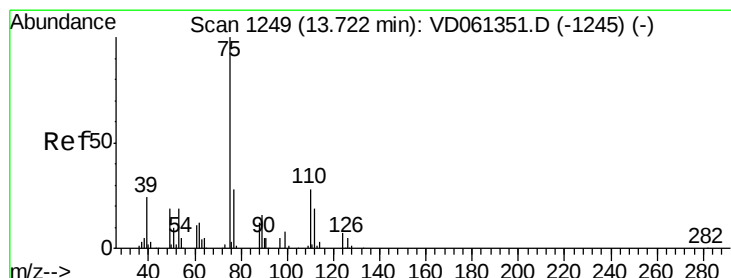
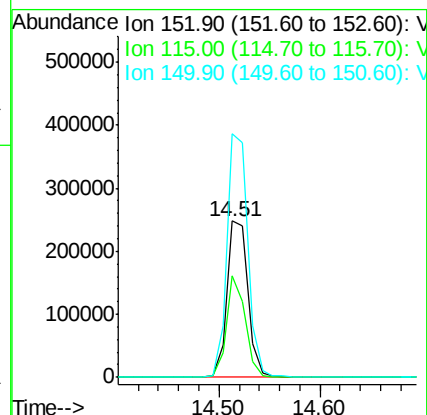
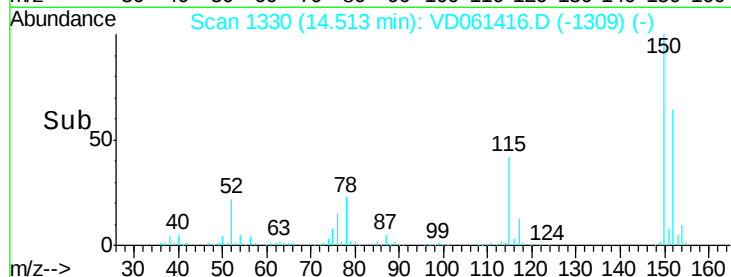
150 155.8 0.0 318.0



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: 25.142 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061416.D

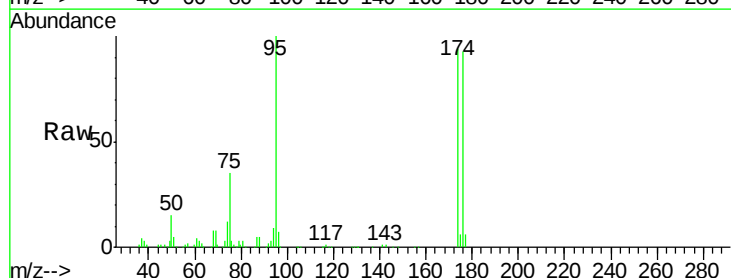
Acq: 29 Mar 2019 5:15

Tgt Ion: 75 Resp: 130733

Ion Ratio Lower Upper

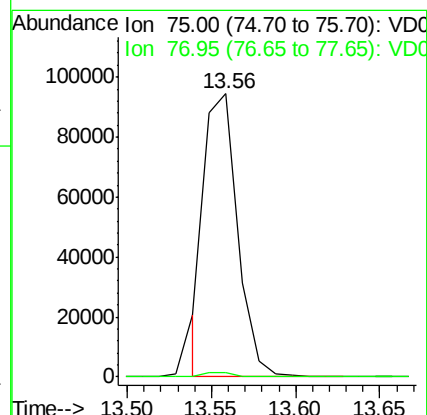
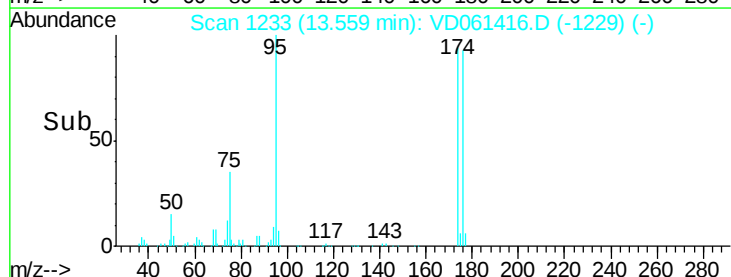
75 100

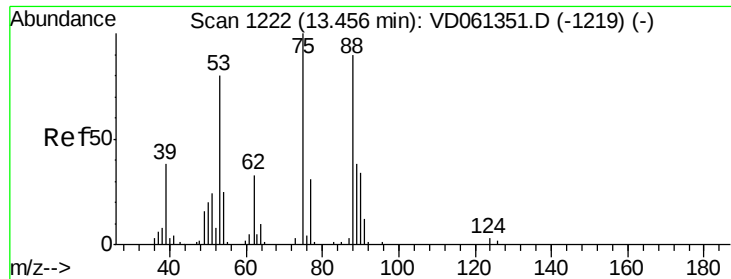
77 1.5 16.2 48.5#



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: 90.535 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061416.D

Acq: 29 Mar 2019 5:15

Instrument :

MSVOA_D

ClientSampleId :

BFB

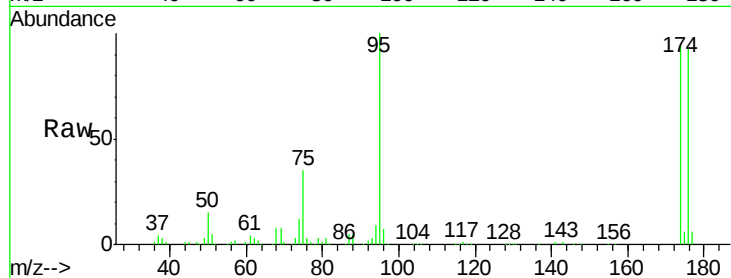
Tot Ion: 75 Resp: 143536

Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#



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

