

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062355.D
 Acq On : 14 May 2019 19:15
 Operator : FY/SY
 Sample : K2735-01RE
 Misc : 6.58g/5mL/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

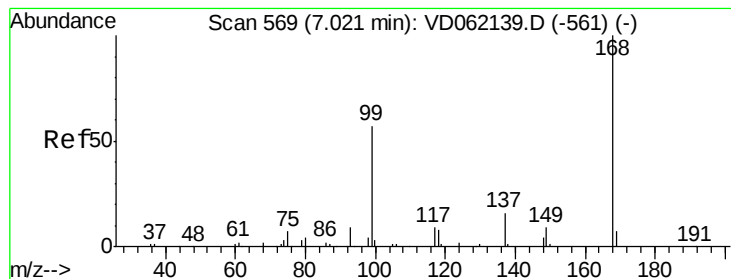
Quant Time: May 15 02:01:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	817625	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	1107212	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	857813	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	444282	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	305842	40.25	ug/l	0.04
Spiked Amount			Recovery	=	80.50%	
35) Dibromofluoromethane	6.95	113	376842	41.02	ug/l	0.05
Spiked Amount			Recovery	=	82.04%	
50) Toluene-d8	10.42	98	735956	33.23	ug/l	0.02
Spiked Amount			Recovery	=	66.46%	
62) 4-Bromofluorobenzene	13.56	95	300479	33.78	ug/l	0.01
Spiked Amount			Recovery	=	67.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	1609	1.237	ug/l #	12
16) Acetone	3.23	43	2058	1.292	ug/l #	50
18) Methyl Acetate	3.47	43	721	Below Cal	#	53
20) Methylene Chloride	3.84	84	7814	1.174	ug/l #	92
31) Cyclohexane	7.07	56	19270	2.417	ug/l #	1
36) 1,1-Dichloropropene	7.07	75	73296	8.074	ug/l #	46
38) Carbon Tetrachloride	7.07	117	89911	7.156	ug/l #	15
51) 4-Methyl-2-Pentanone	10.42	43	4632	1.320	ug/l #	1
76) 1,2,3-Trichloropropane	13.56	75	135818	25.723	ug/l #	43
81) trans-1,4-Dichloro-2-buten	13.56	75	137886	92.507	ug/l #	16

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD062355.D

Acq: 14 May 2019 19:15

Instrument :

MSVOA_D

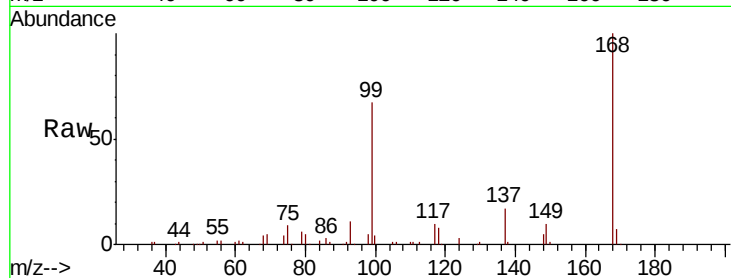
ClientSampleId :

Tot Ion:168 Resp: 817625

Ion Ratio Lower Upper

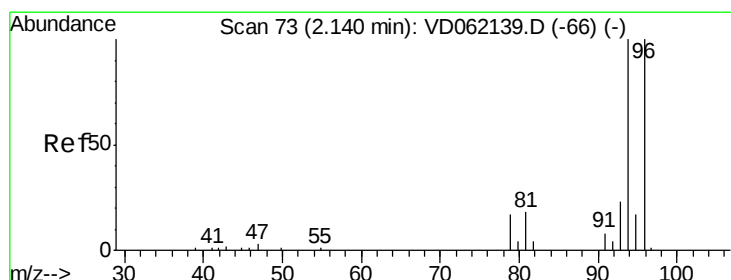
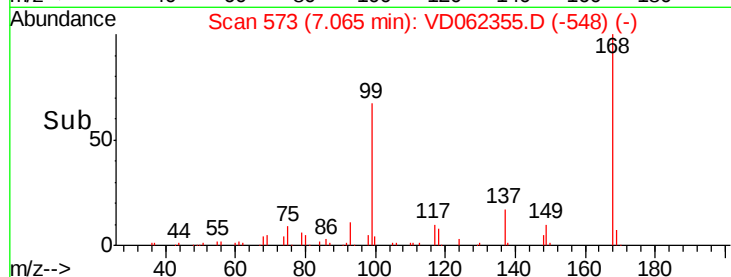
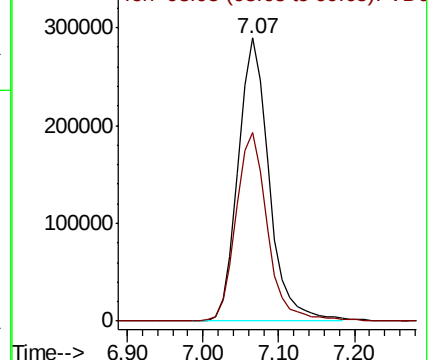
168 100

99 66.7 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): V



#5

Bromomethane

Concen: 1.237 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD062355.D

Acq: 14 May 2019 19:15

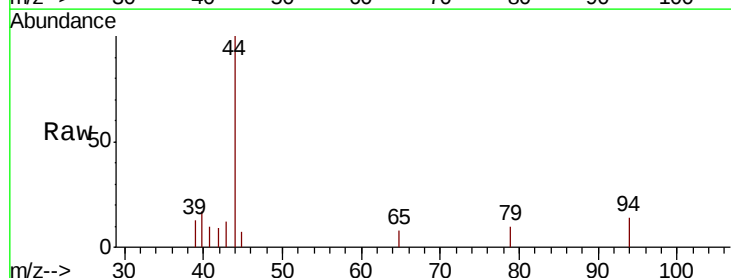
Tgt Ion: 94 Resp: 1609

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

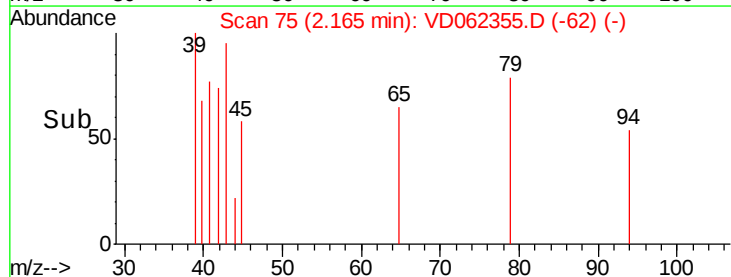
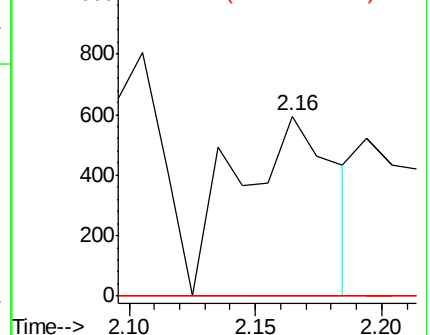
93 0.0 18.5 27.7#

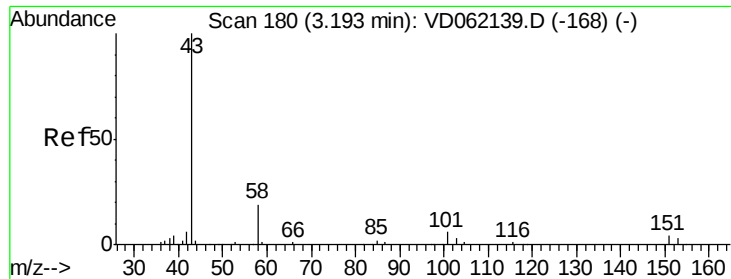


Abundance Ion 94.00 (93.70 to 94.70): V

Ion 96.00 (95.70 to 96.70): V

Ion 93.00 (92.70 to 93.70): V





#16

Acetone

Concen: 1.292 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.03 min

Lab File: VD062355.D

Acq: 14 May 2019 19:15

Instrument :

MSVOA_D

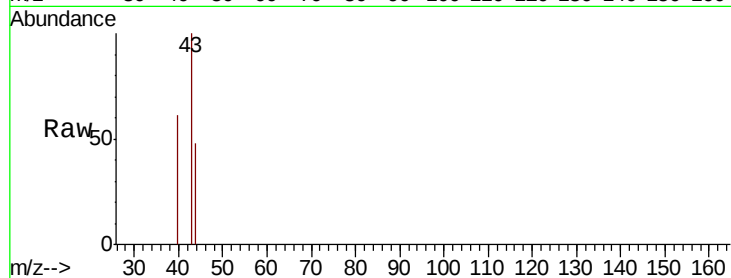
ClientSampled :

Tot Ion: 43 Resp: 2058

Ion Ratio Lower Upper

43 100

58 0.0 19.9 29.9#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.23

1000

800

600

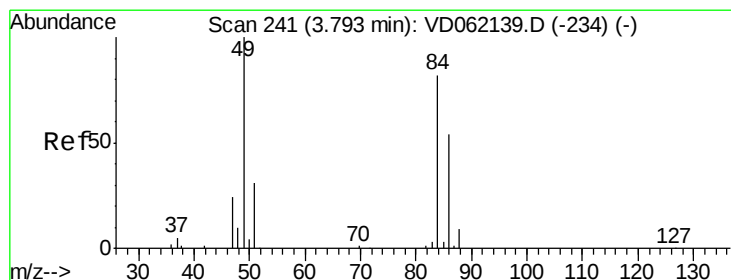
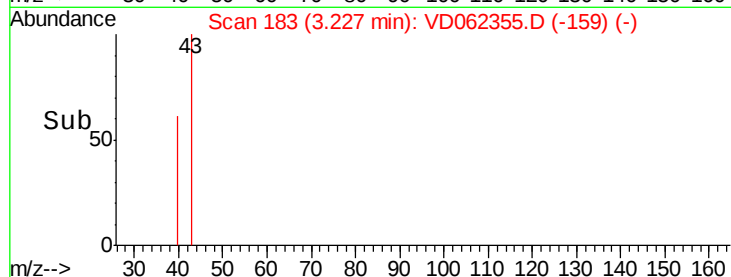
400

200

0

3.20 3.25 3.30

Time-->



#20

Methylene Chloride

Concen: 1.174 ug/l

RT: 3.84 min Scan# 245

Delta R.T. 0.04 min

Lab File: VD062355.D

Acq: 14 May 2019 19:15

Tgt Ion: 84 Resp: 7814

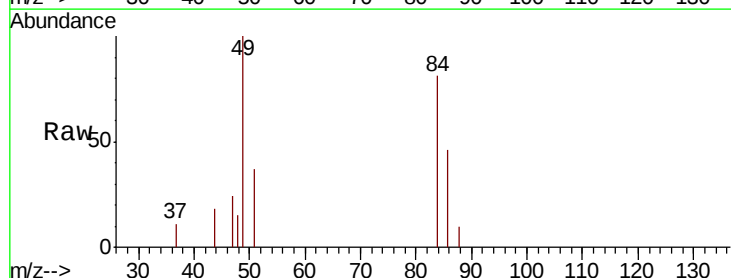
Ion Ratio Lower Upper

84 100

49 123.7 94.0 141.0

51 45.2 29.0 43.4#

86 56.7 49.8 74.6



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

6000

5000

4000

3000

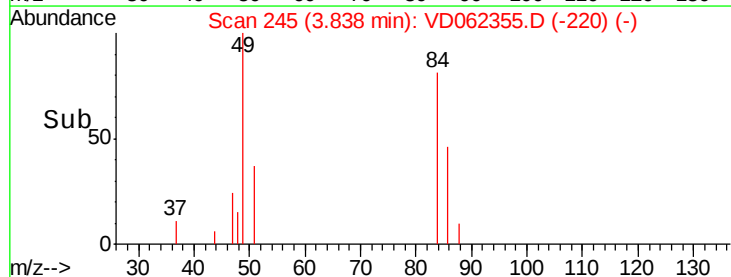
2000

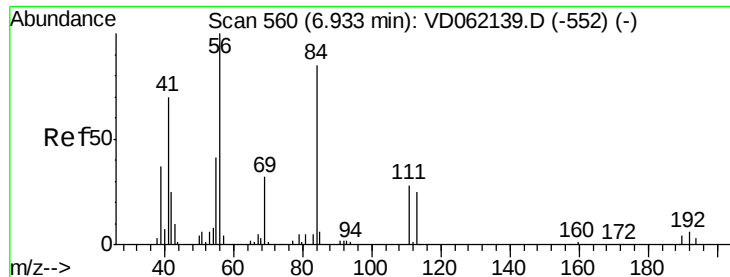
1000

0

3.75 3.80 3.85 3.90 3.95

Time-->

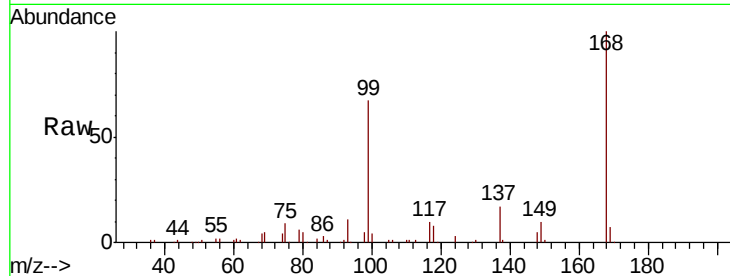




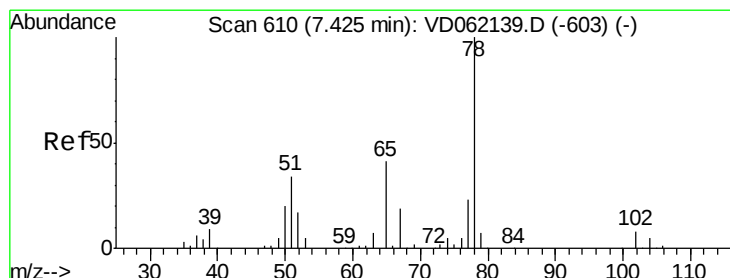
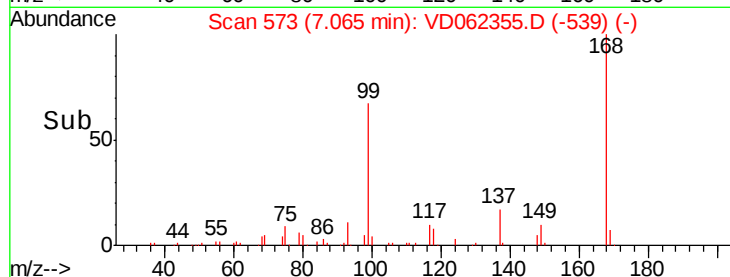
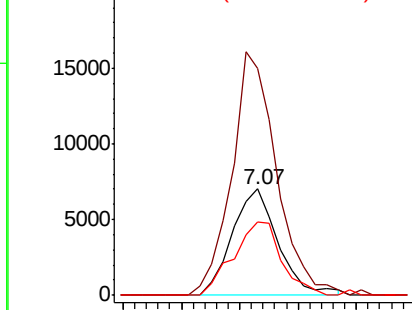
#31
Cyclohexane
Concen: 2.417 ug/l
RT: 7.07 min Scan# 573
Delta R.T. 0.13 min
Lab File: VD062355.D
Acq: 14 May 2019 19:15

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 19270
Ion Ratio Lower Upper
56 100
69 212.7 25.8 38.6#
84 68.6 72.2 108.4#

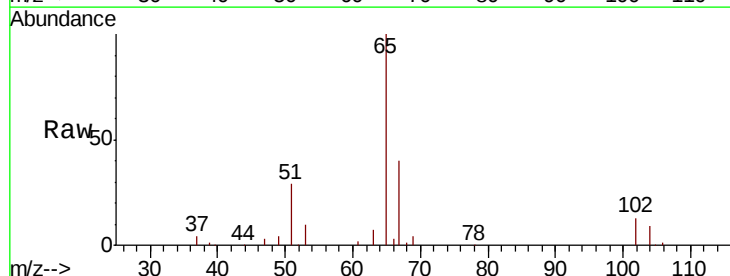


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

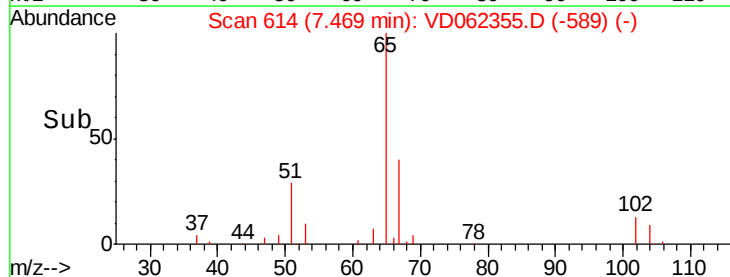
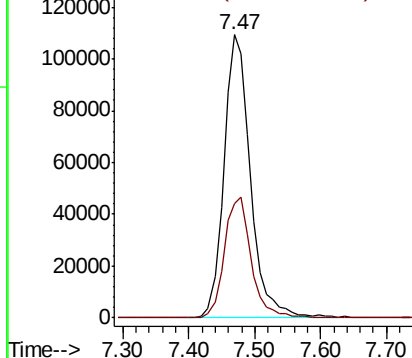


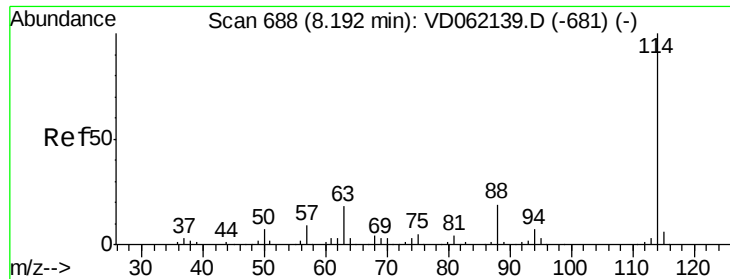
#33
1,2-Dichloroethane-d4
Concen: 40.251 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.04 min
Lab File: VD062355.D
Acq: 14 May 2019 19:15

Tgt Ion: 65 Resp: 305842
Ion Ratio Lower Upper
65 100
67 40.2 0.0 98.0



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

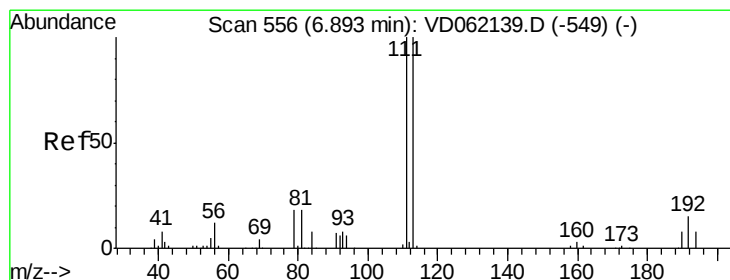
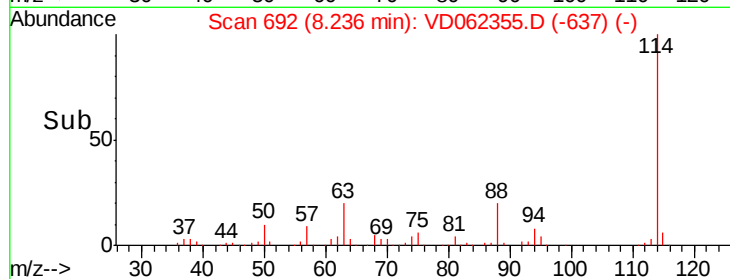
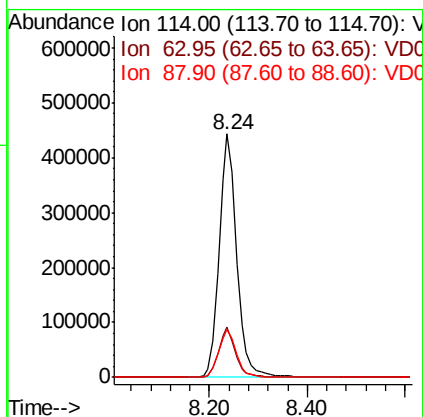
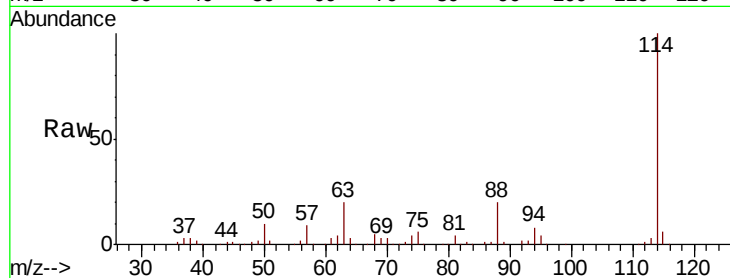




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.24 min Scan# 692
Delta R.T. 0.04 min
Lab File: VD062355.D
Acq: 14 May 2019 19:15

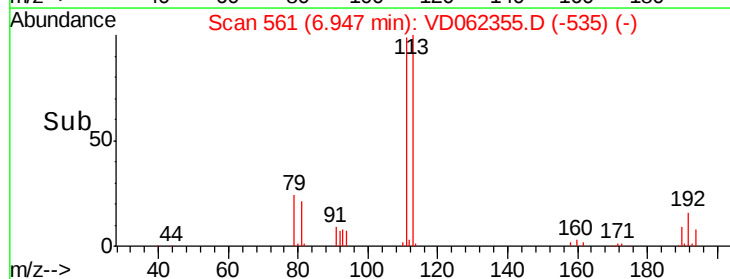
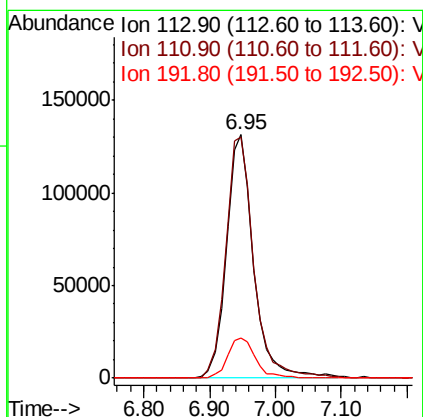
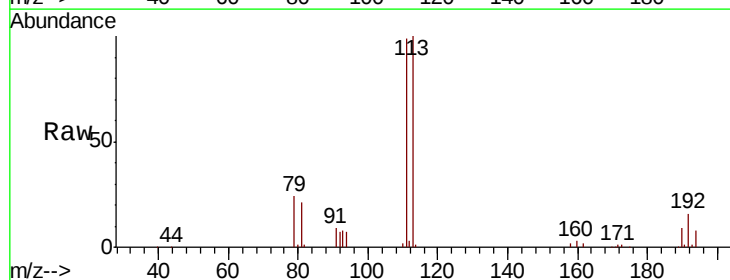
Instrument :
MSVOA_D
ClientSampleId :

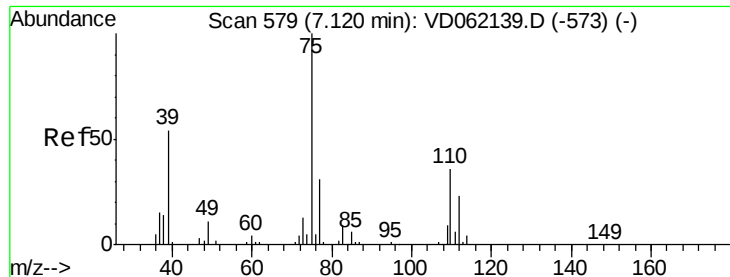
Tot Ion:114 Resp: 1107212
Ion Ratio Lower Upper
114 100
63 20.5 0.0 32.4
88 19.7 0.0 33.6



#35
Dibromofluoromethane
Concen: 41.021 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.05 min
Lab File: VD062355.D
Acq: 14 May 2019 19:15

Tgt Ion:113 Resp: 376842
Ion Ratio Lower Upper
113 100
111 98.9 78.5 117.7
192 16.3 13.0 19.4





#36

1,1-Dichloropropene

Concen: 8.074 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.05 min

Lab File: VD062355.D

Acq: 14 May 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

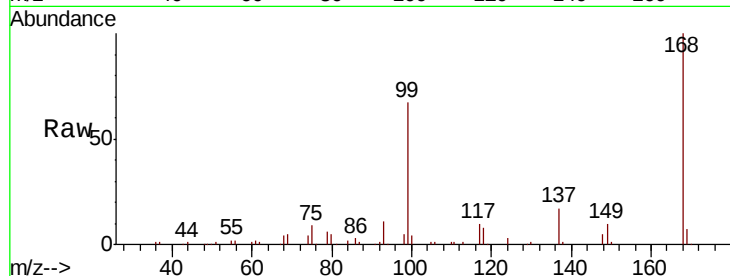
Tot Ion: 75 Resp: 73296

Ion Ratio Lower Upper

75 100

110 6.8 19.1 57.1#

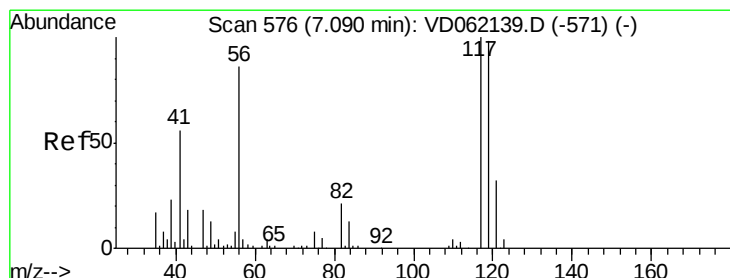
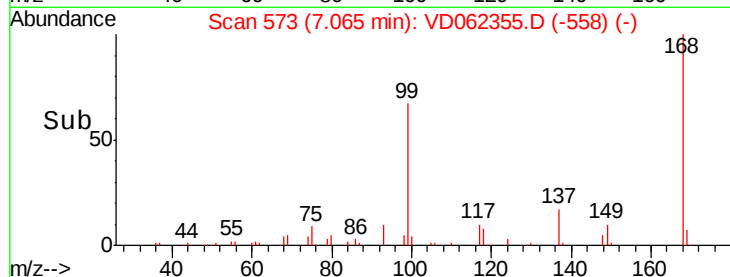
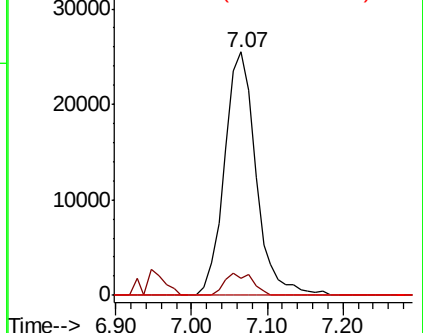
77 0.0 25.6 38.4#



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: 7.156 ug/l

RT: 7.07 min Scan# 573

Delta R.T. -0.02 min

Lab File: VD062355.D

Acq: 14 May 2019 19:15

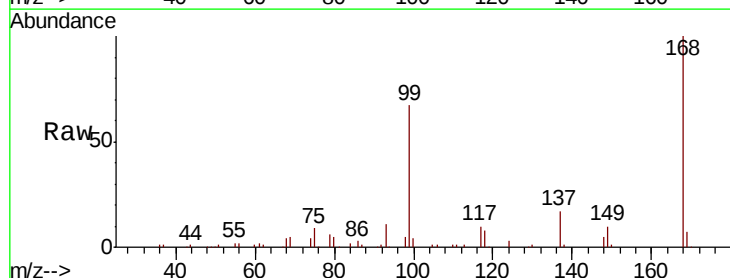
Tgt Ion: 117 Resp: 89911

Ion Ratio Lower Upper

117 100

119 3.6 75.8 113.8#

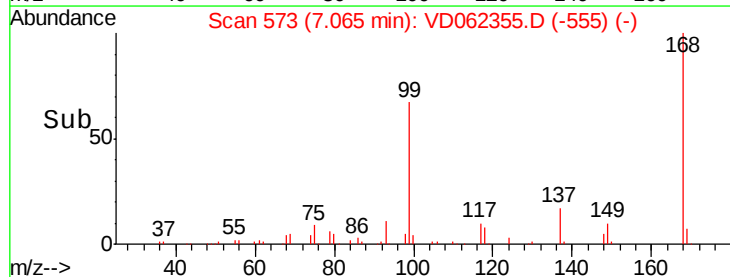
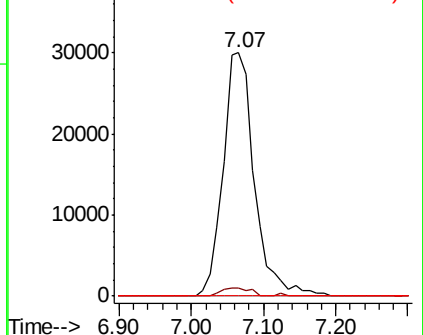
121 0.0 25.9 38.9#

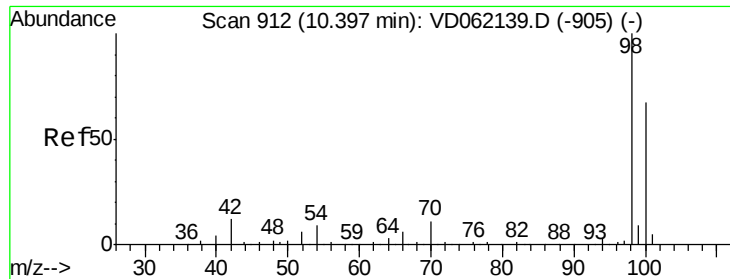


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

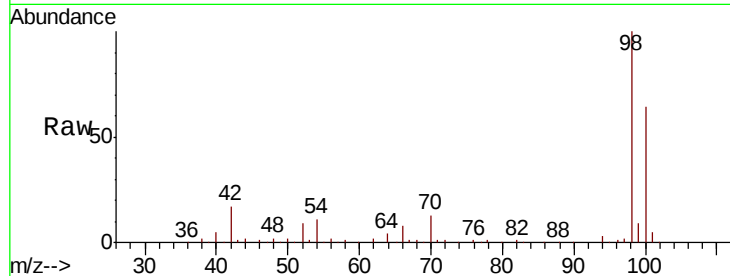




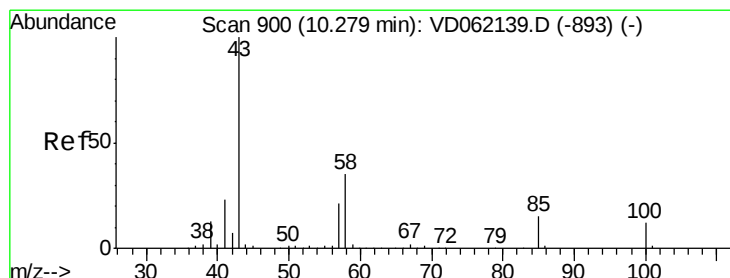
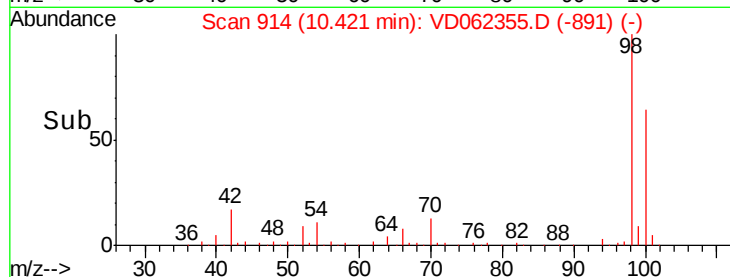
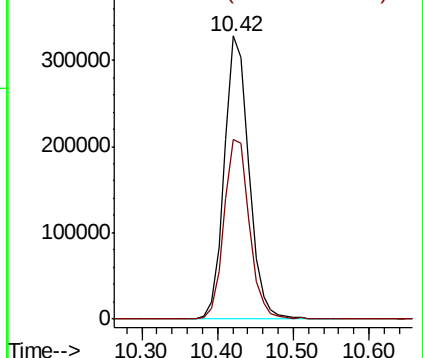
#50
Toluene-d8
Concen: 33.226 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD062355.D
Acq: 14 May 2019 19:15

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 98 Resp: 735956
Ion Ratio Lower Upper
98 100
100 63.6 53.8 80.8

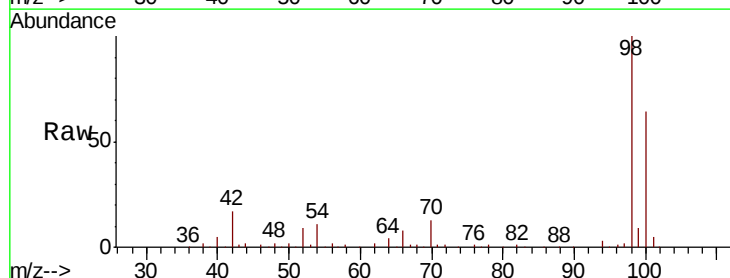


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

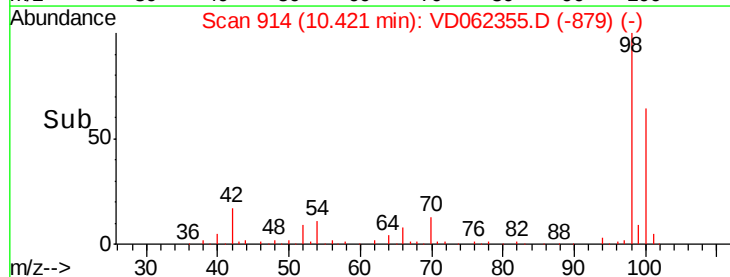
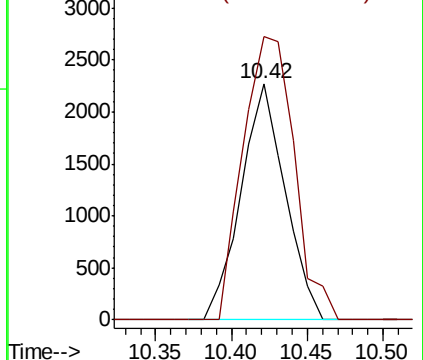


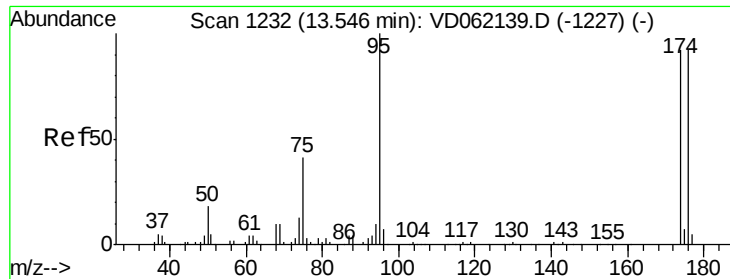
#51
4-Methyl-2-Pentanone
Concen: 1.320 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.14 min
Lab File: VD062355.D
Acq: 14 May 2019 19:15

Tgt Ion: 43 Resp: 4632
Ion Ratio Lower Upper
43 100
58 119.8 30.4 45.6#



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





#62

4-Bromofluorobenzene

Concen: 33.782 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.01 min

Lab File: VD062355.D

Acq: 14 May 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

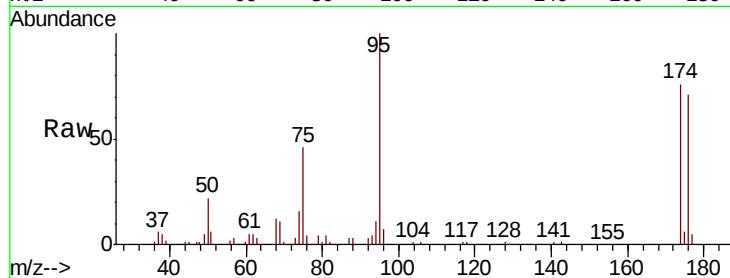
Tot Ion: 95 Resp: 300479

Ion Ratio Lower Upper

95 100

174 75.7 0.0 181.8

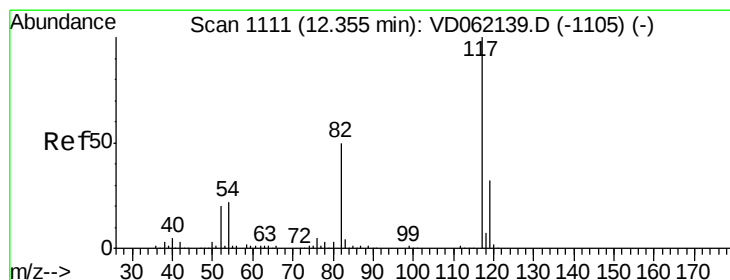
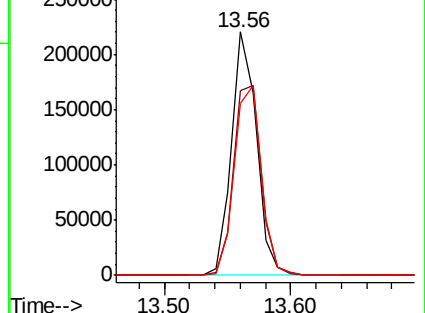
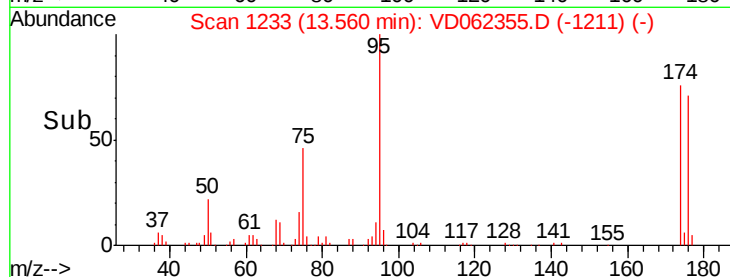
176 70.7 0.0 174.4



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: VD062355.D

Acq: 14 May 2019 19:15

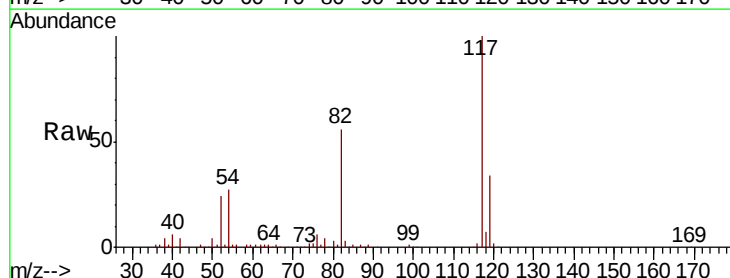
Tgt Ion: 117 Resp: 857813

Ion Ratio Lower Upper

117 100

82 56.4 36.2 54.2#

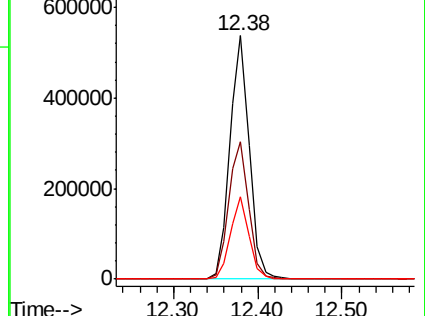
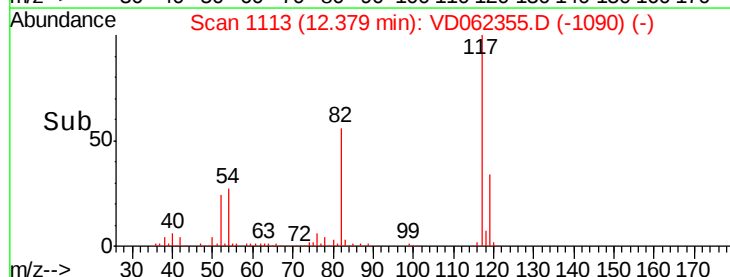
119 33.6 26.2 39.4

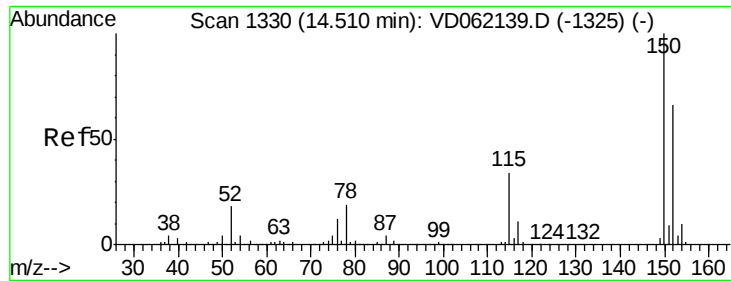


Abundance Ion 116.95 (116.65 to 117.65): V

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: VD062355.D

Acq: 14 May 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

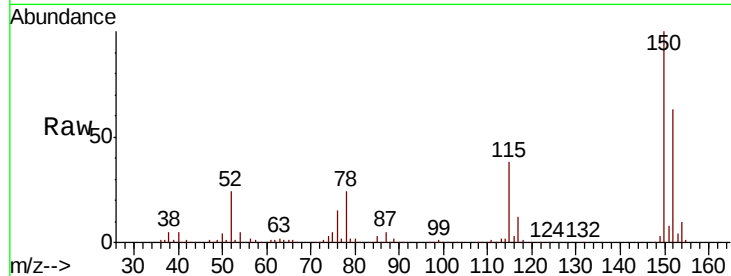
Tot Ion:152 Resp: 444282

Ion Ratio Lower Upper

152 100

115 59.6 30.9 92.7

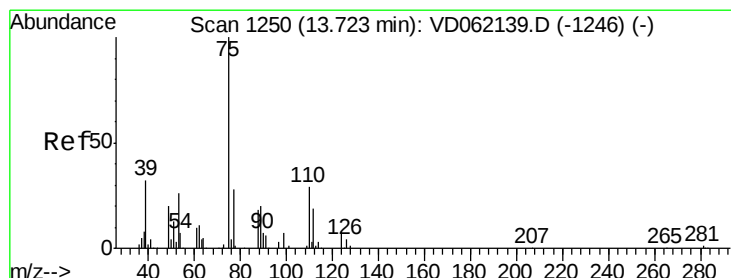
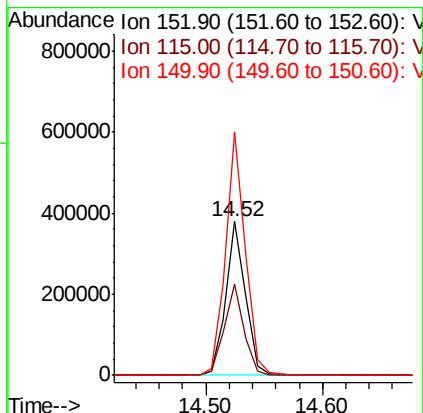
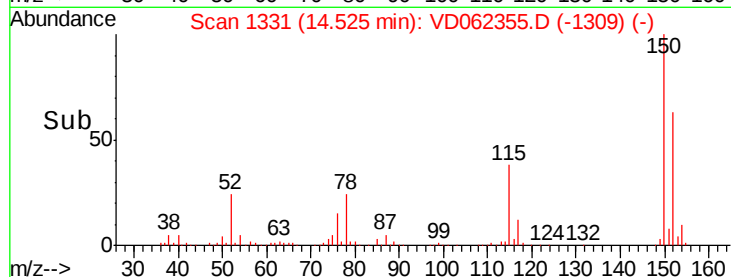
150 158.6 0.0 314.8



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: 25.723 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD062355.D

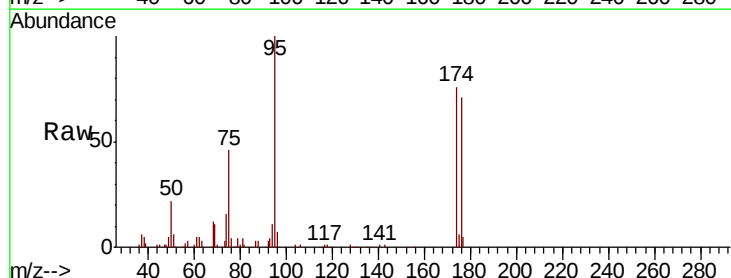
Acq: 14 May 2019 19:15

Tgt Ion: 75 Resp: 135818

Ion Ratio Lower Upper

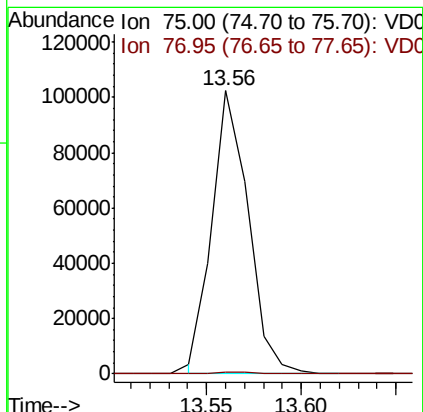
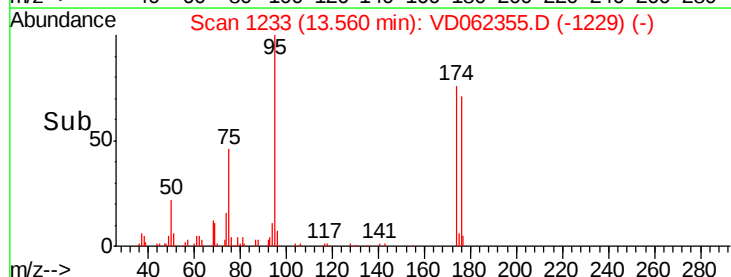
75 100

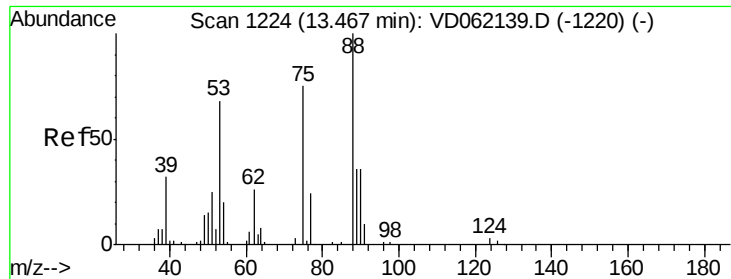
77 0.5 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V





#81

trans-1,4-Dichloro-2-butene

Concen: 92.507 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.09 min

Lab File: VD062355.D

Acq: 14 May 2019 19:15

Instrument :

MSVOA_D

ClientSampleId :

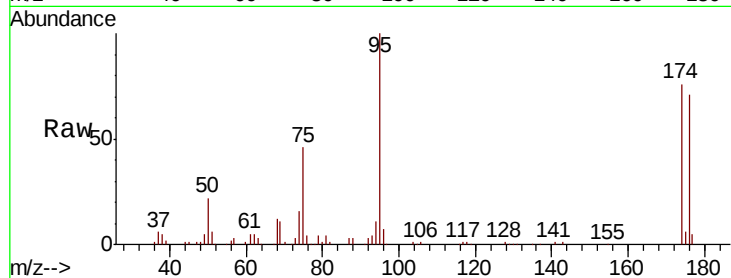
Tot Ion: 75 Resp: 137886

Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#



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

