

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081419\
 Data File : VD063577.D
 Acq On : 14 Aug 2019 16:43
 Operator : JC/SY
 Sample : K4340-03
 Misc : 7.44g/5ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 15 12:00:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	181300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.23	114	294046	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	265617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.54	152	156293	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	152725	78.81	ug/l	0.00
Spiked Amount			Recovery	=	157.62%	
35) Dibromofluoromethane	6.94	113	131137	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	
50) Toluene-d8	10.42	98	233072	42.81	ug/l	0.00
Spiked Amount			Recovery	=	85.62%	
62) 4-Bromofluorobenzene	13.57	95	122041	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	

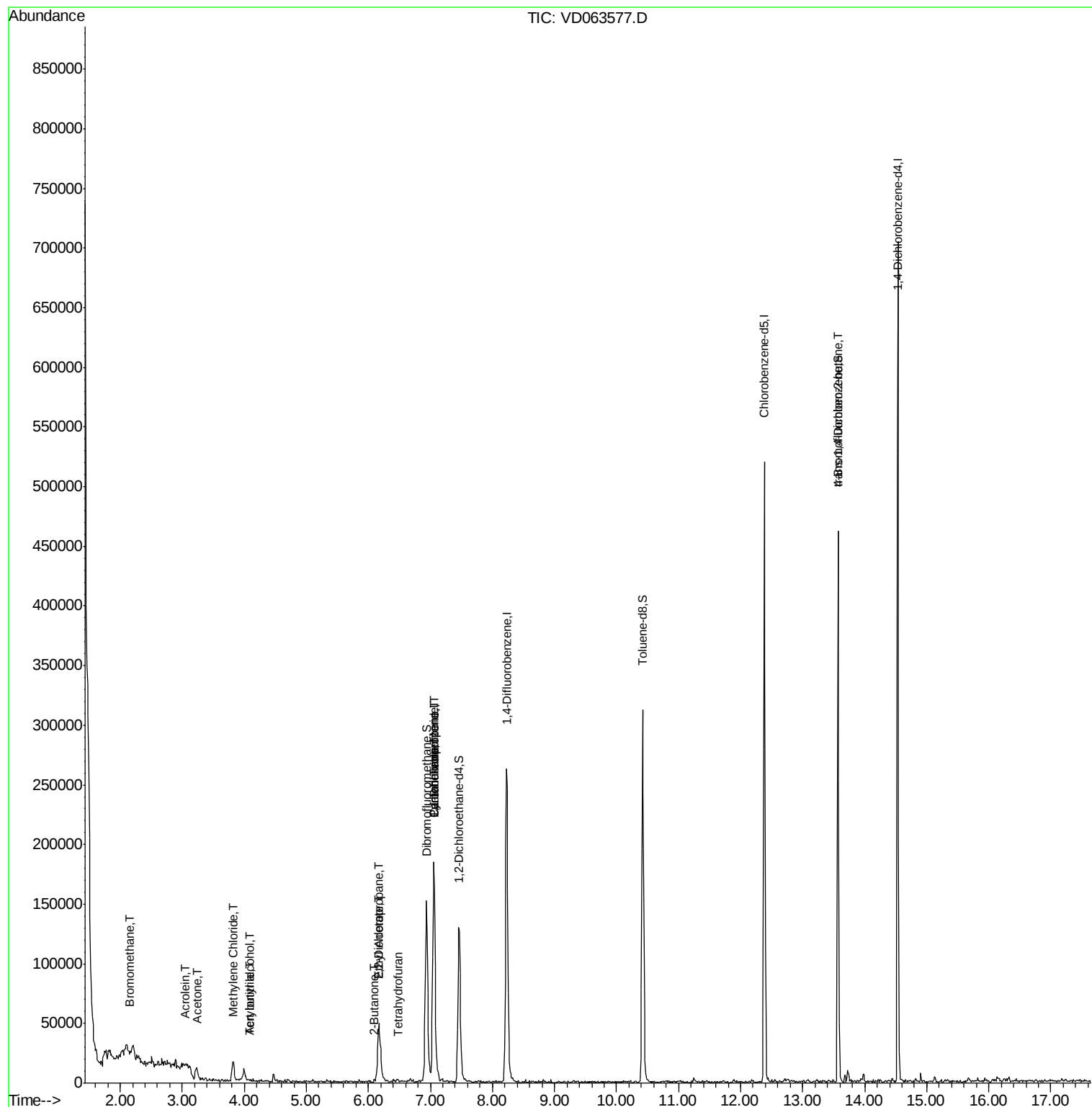
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.16	94	920	1.146	ug/l #	30
11) Tert butyl alcohol	4.09	59	384	4.552	ug/l #	71
13) Acrolein	3.04	56	324	3.902	ug/l #	49
15) Acrylonitrile	4.09	53	236	1.056	ug/l #	11
16) Acetone	3.23	43	17928	45.508	ug/l #	81
20) Methylene Chloride	3.83	84	8565	5.028	ug/l #	87
25) 2-Butanone	6.09	43	998	2.565	ug/l #	58
26) 2,2-Dichloropropane	6.16	77	3067	1.092	ug/l #	59
29) Tetrahydrofuran	6.49	42	1162	6.409	ug/l #	58
31) Cyclohexane	7.06	56	4475	2.557	ug/l #	20
36) 1,1-Dichloropropene	7.06	75	12236	4.707	ug/l #	42
37) Ethyl Acetate	6.17	43	4120	3.782	ug/l #	3
38) Carbon Tetrachloride	7.06	117	16785	4.284	ug/l #	18
81) trans-1,4-Dichloro-2-buten	13.57	75	59776	123.989	ug/l #	1

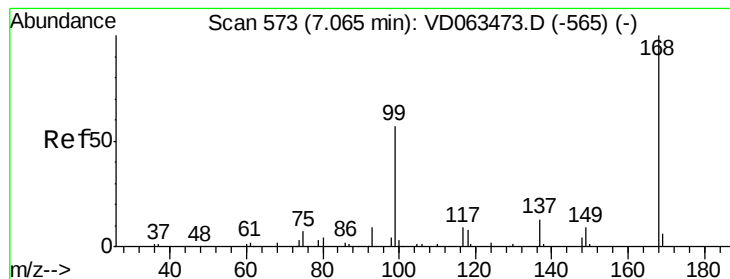
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081419\
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MSVOA_D
ClientSampleId :

Quant Time: Aug 15 12:00:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.01 min

Lab File: VD063577.D

Acq: 14 Aug 2019 16:43

Instrument :

MSVOA_D

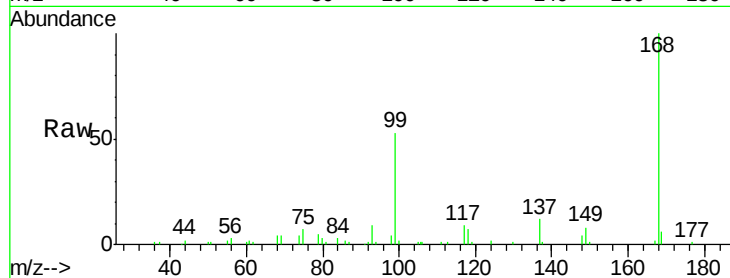
ClientSampleId :

Tot Ion:168 Resp: 181300

Ion Ratio Lower Upper

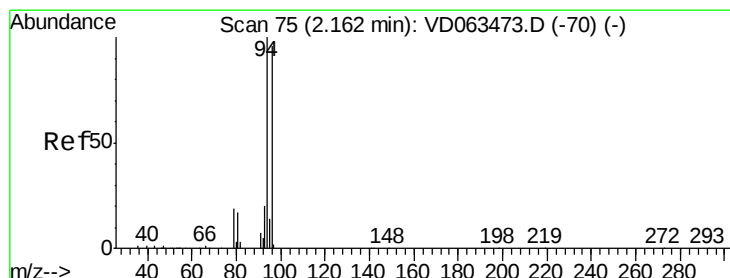
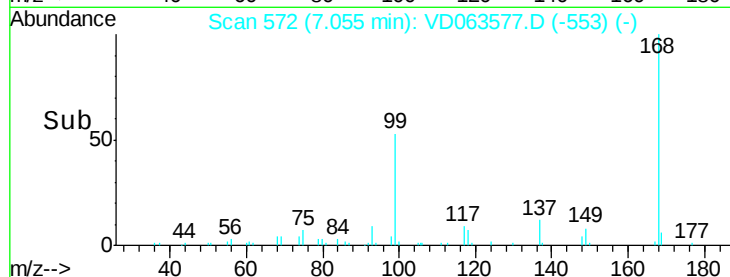
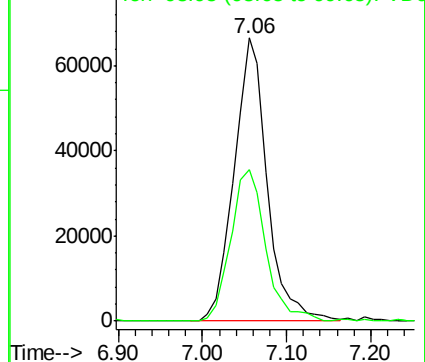
168 100

99 53.4 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 1.146 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063577.D

Acq: 14 Aug 2019 16:43

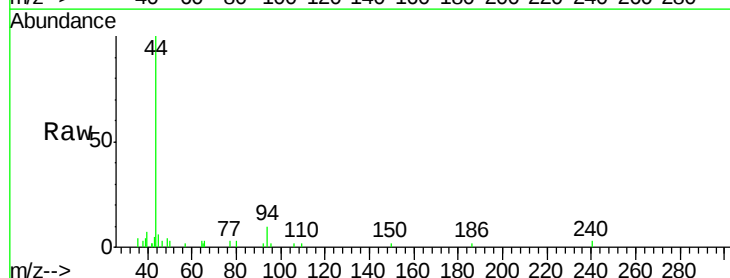
Tgt Ion: 94 Resp: 920

Ion Ratio Lower Upper

94 100

96 21.7 76.5 114.7#

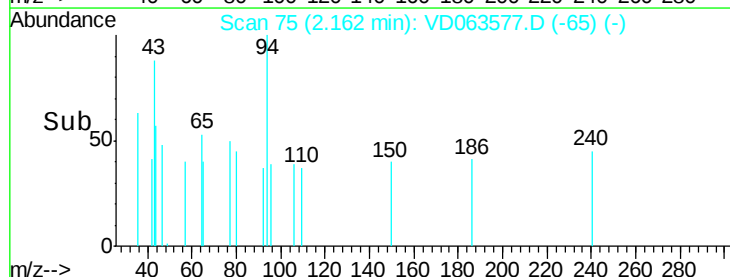
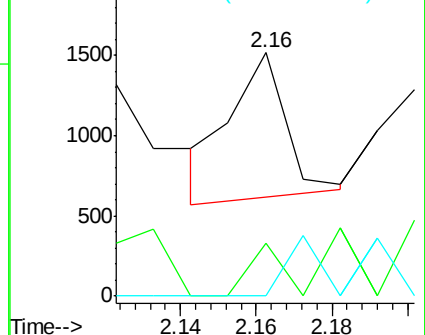
93 0.0 15.8 23.8#

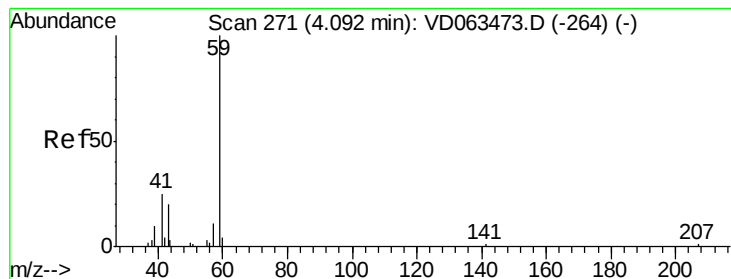


Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



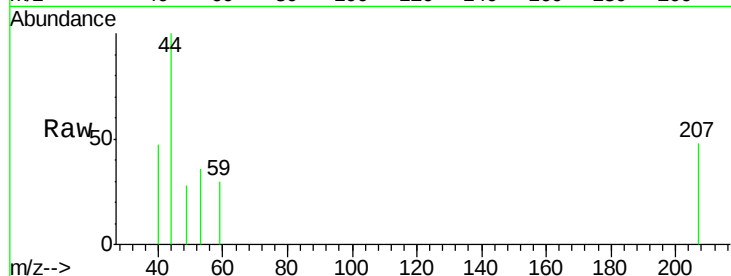


#11

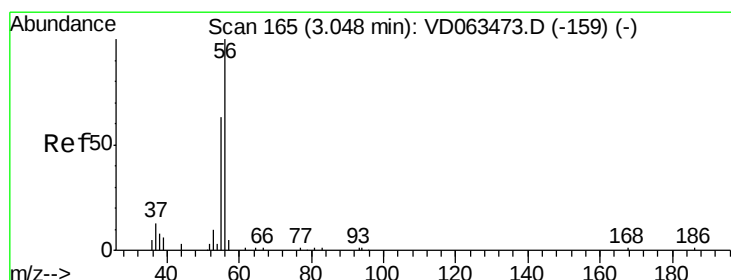
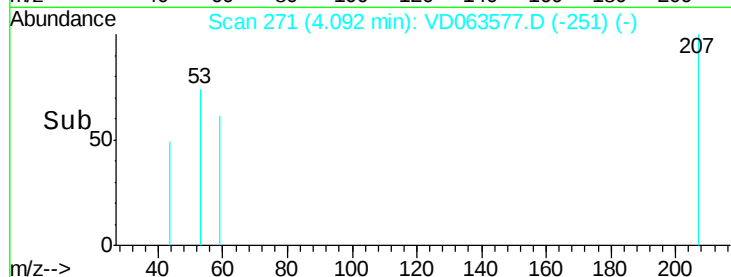
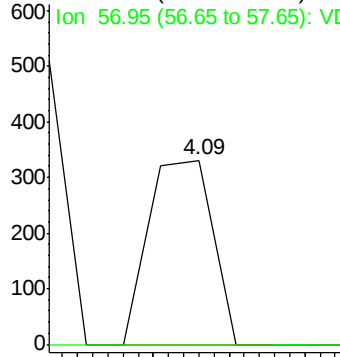
Tert butyl alcohol
 Concen: 4.552 ug/l
 RT: 4.09 min Scan# 271
 Delta R.T. 0.00 min
 Lab File: VD063577.D
 Acq: 14 Aug 2019 16:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 384
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#



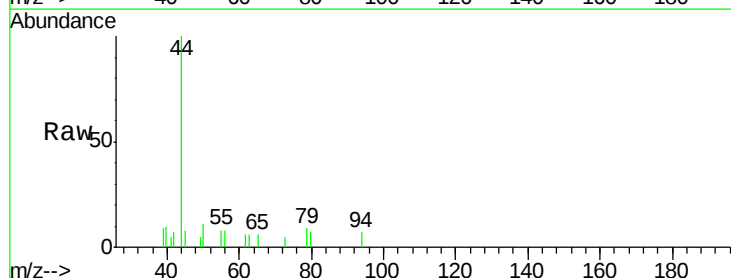
Abundance Ion 58.95 (58.65 to 59.65): VDC
 Ion 56.95 (56.65 to 57.65): VDC



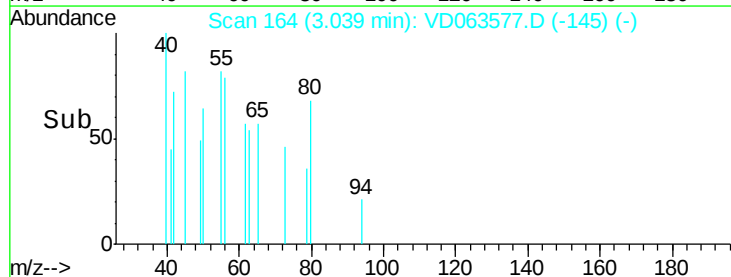
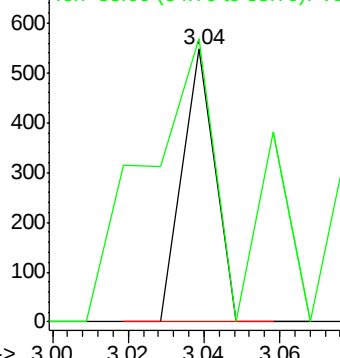
#13

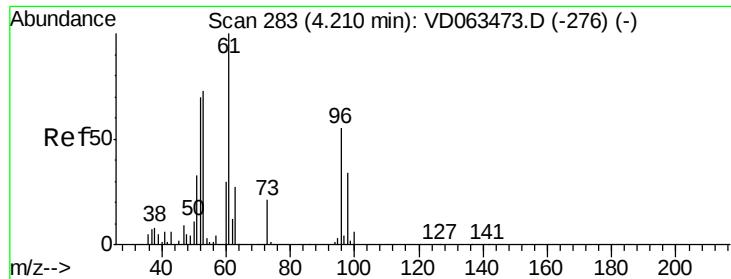
Acrolein
 Concen: 3.902 ug/l
 RT: 3.04 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VD063577.D
 Acq: 14 Aug 2019 16:43

Tgt Ion: 56 Resp: 324
 Ion Ratio Lower Upper
 56 100
 55 103.6 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC
 Ion 55.00 (54.70 to 55.70): VDC





#15

Acrylonitrile

Concen: 1.056 ug/l

RT: 4.09 min Scan# 271

Delta R.T. -0.12 min

Lab File: VD063577.D

Acq: 14 Aug 2019 16:43

Instrument :
MSVOA_D
ClientSampled :

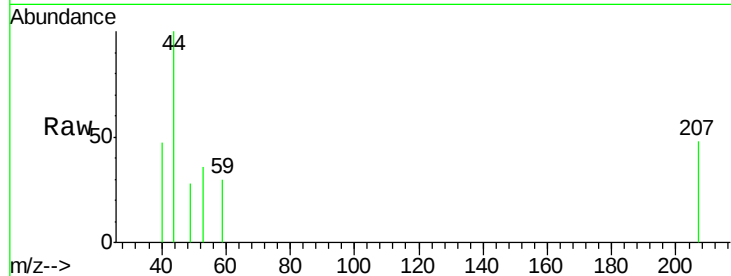
Tot Ion: 53 Resp: 236

Ion Ratio Lower Upper

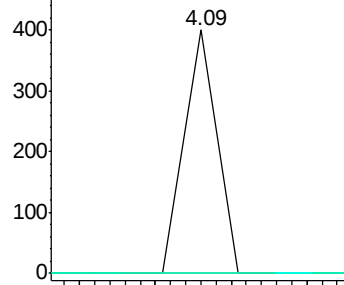
53 100

52 0.0 77.4 116.0#

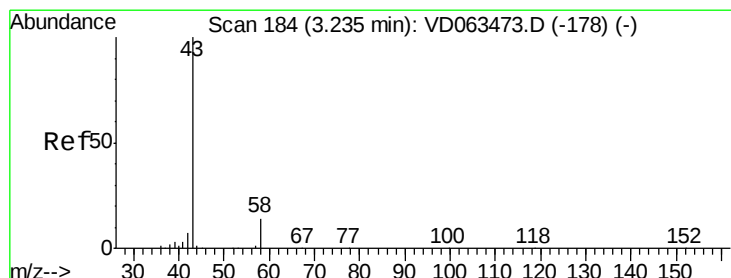
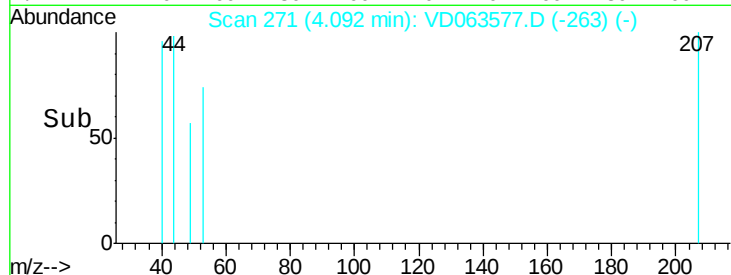
51 0.0 36.7 55.1#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



Time-->



#16

Acetone

Concen: 45.508 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063577.D

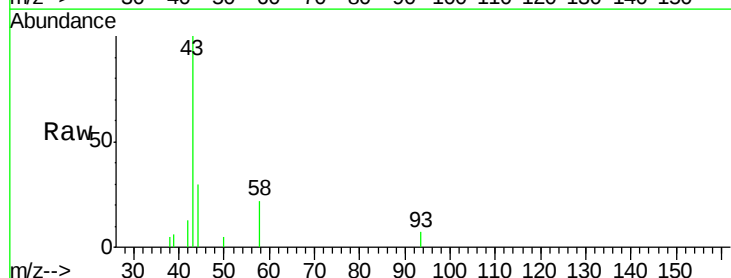
Acq: 14 Aug 2019 16:43

Tgt Ion: 43 Resp: 17928

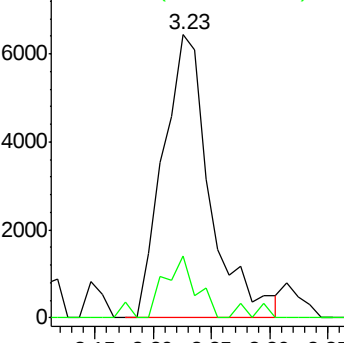
Ion Ratio Lower Upper

43 100

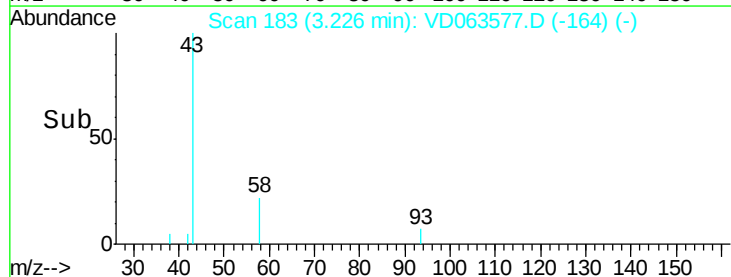
58 22.0 11.4 17.2#

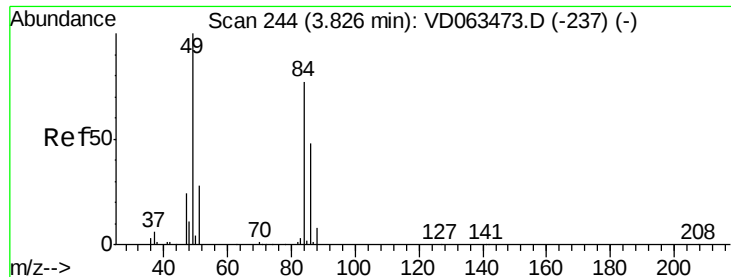


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



Time-->

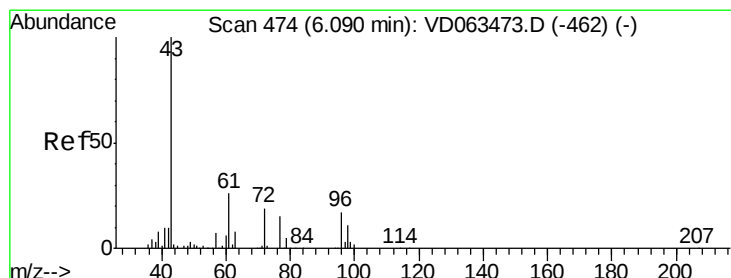
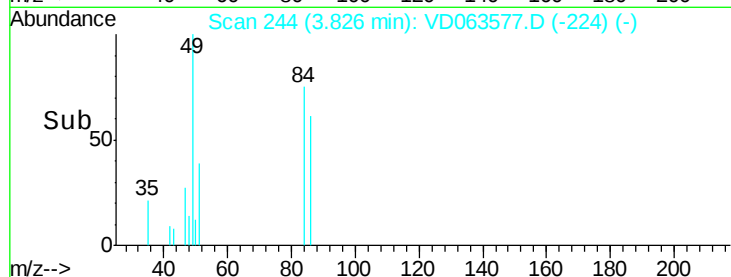
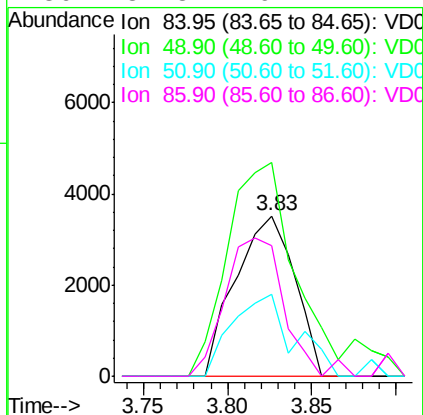
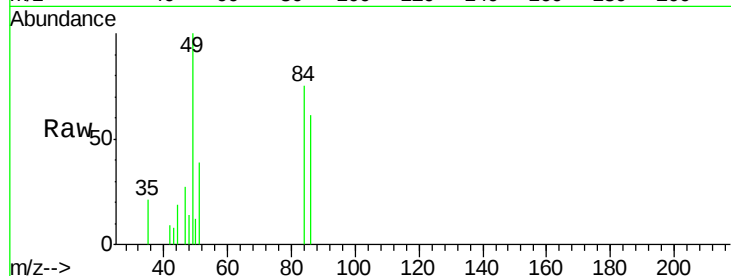




#20
Methvlene Chloride
Concen: 5.028 ug/l
RT: 3.83 min Scan# 244
Delta R.T. 0.00 min
Lab File: VD063577.D
Acq: 14 Aug 2019 16:43

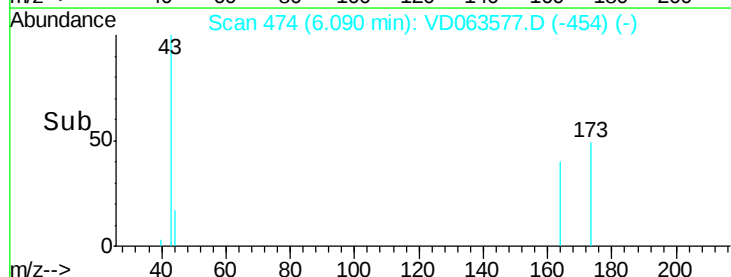
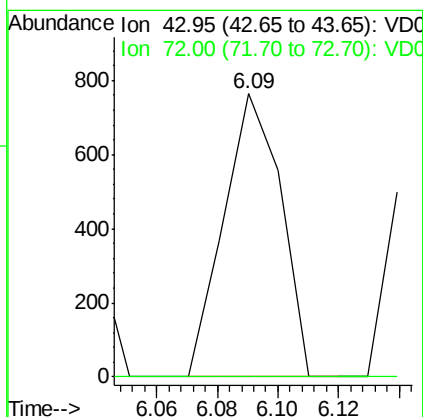
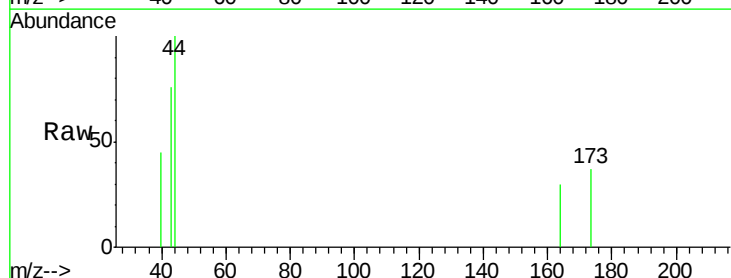
Instrument :
MSVOA_D
ClientSampleId :

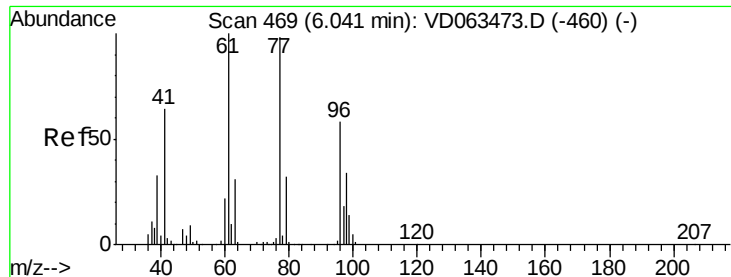
Tot Ion: 84 Resp: 8565
Ion Ratio Lower Upper
84 100
49 133.3 103.4 155.2
51 51.5 28.5 42.7#
86 81.8 49.4 74.2#



#25
2-Butanone
Concen: 2.565 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD063577.D
Acq: 14 Aug 2019 16:43

Tgt Ion: 43 Resp: 998
Ion Ratio Lower Upper
43 100
72 0.0 15.1 22.7#





#26

2,2-Dichloropropane

Concen: 1.092 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.12 min

Lab File: VD063577.D

Acq: 14 Aug 2019 16:43

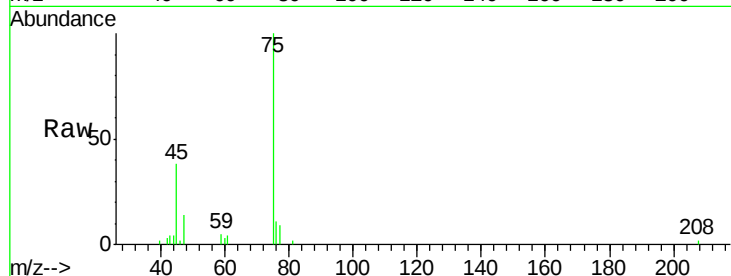
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 77 Resp: 3067

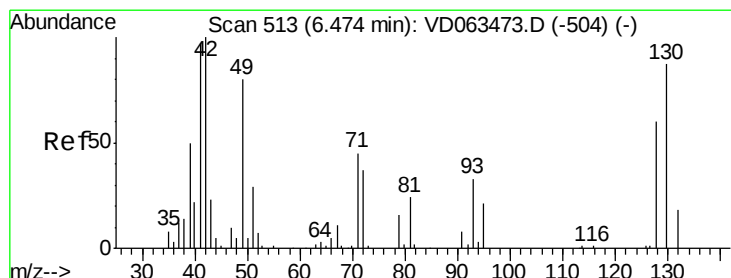
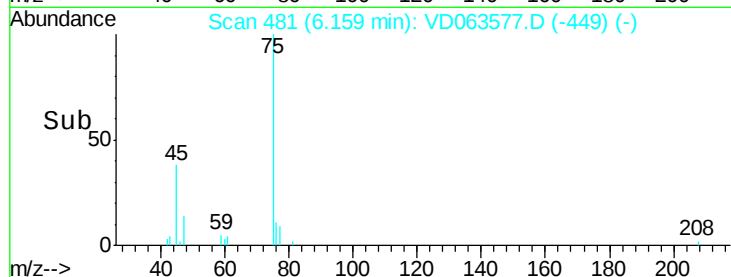
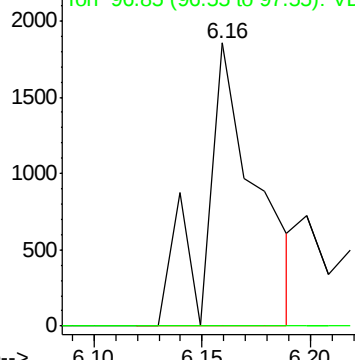
Ion Ratio Lower Upper

77 100

97 0.0 9.0 27.1#



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



#29

Tetrahydrofuran

Concen: 6.409 ug/l

RT: 6.49 min Scan# 515

Delta R.T. 0.02 min

Lab File: VD063577.D

Acq: 14 Aug 2019 16:43

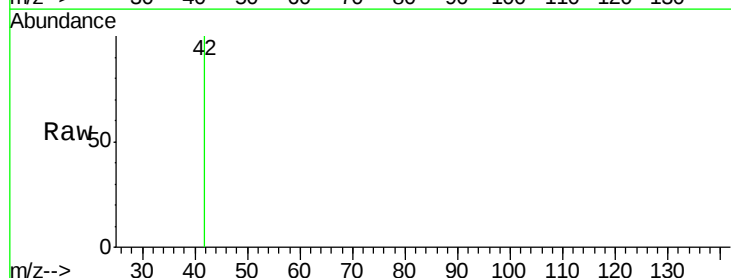
Tgt Ion: 42 Resp: 1162

Ion Ratio Lower Upper

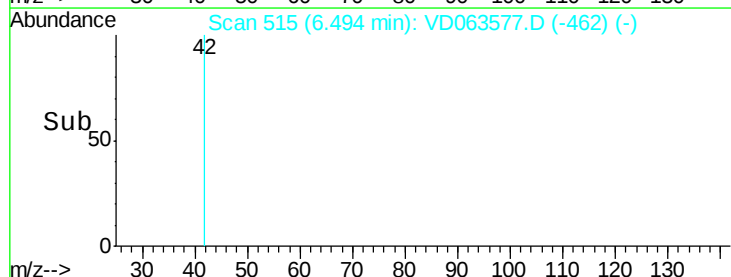
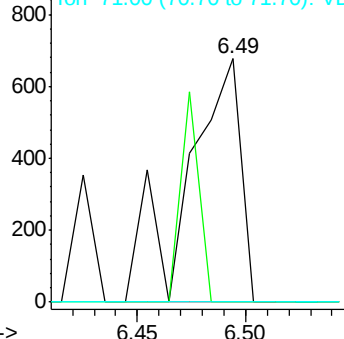
42 100

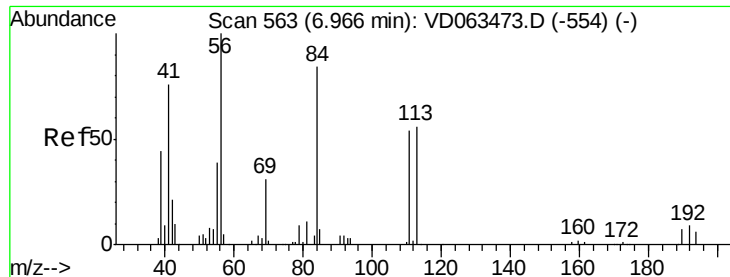
72 29.7 31.5 47.3#

71 0.0 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

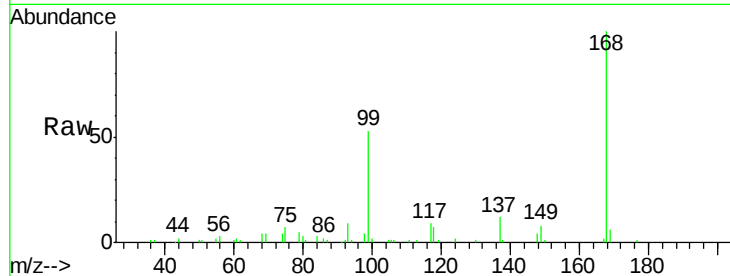




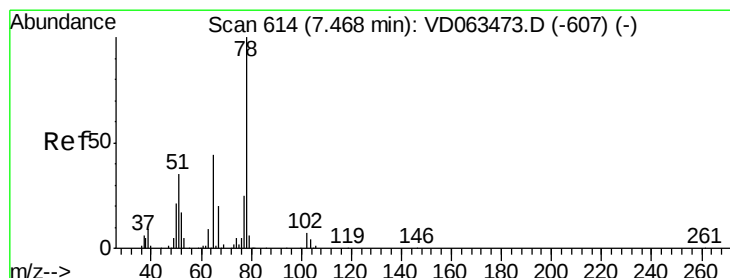
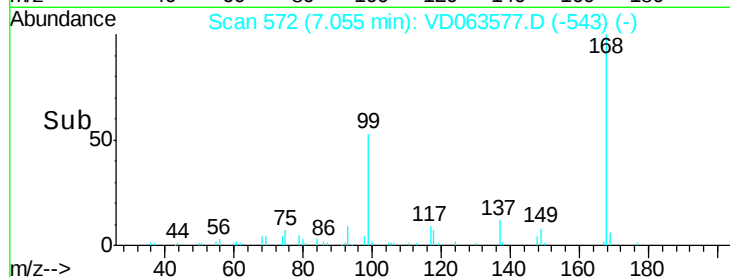
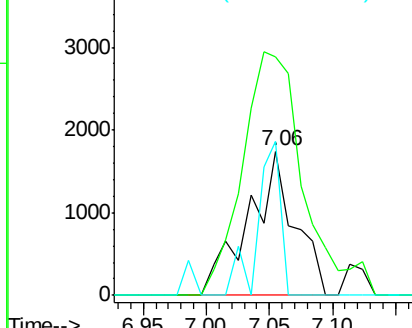
#31
Cyclohexane
Concen: 2.557 ug/l
RT: 7.06 min Scan# 572
Delta R.T. 0.09 min
Lab File: VD063577.D
Acq: 14 Aug 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 4475
Ion Ratio Lower Upper
56 100
69 165.5 25.0 37.6#
84 106.7 69.7 104.5#

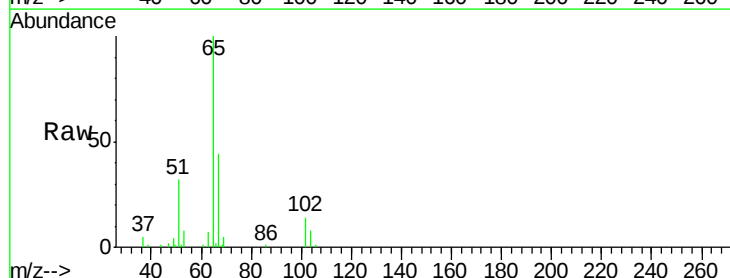


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

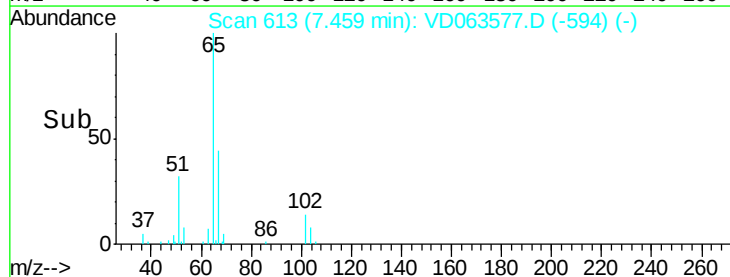
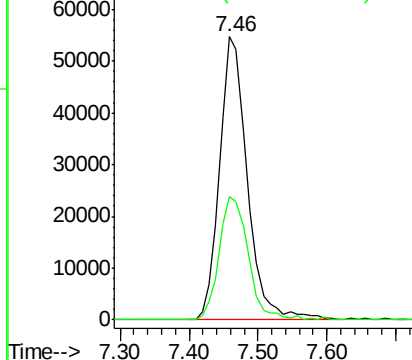


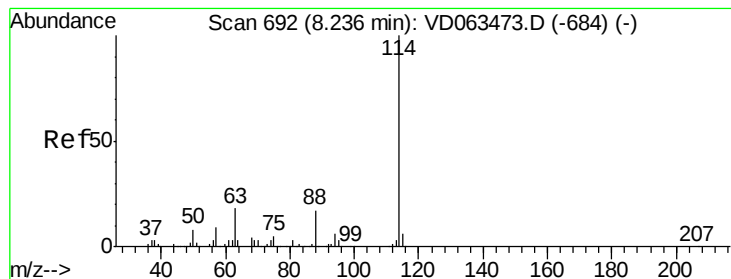
#33
1,2-Dichloroethane-d4
Concen: 78.807 ug/l
RT: 7.46 min Scan# 613
Delta R.T. -0.01 min
Lab File: VD063577.D
Acq: 14 Aug 2019 16:43

Tgt Ion: 65 Resp: 152725
Ion Ratio Lower Upper
65 100
67 43.5 0.0 89.2



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# 691

Delta R.T. -0.01 min

Lab File: VD063577.D

Acq: 14 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampled :

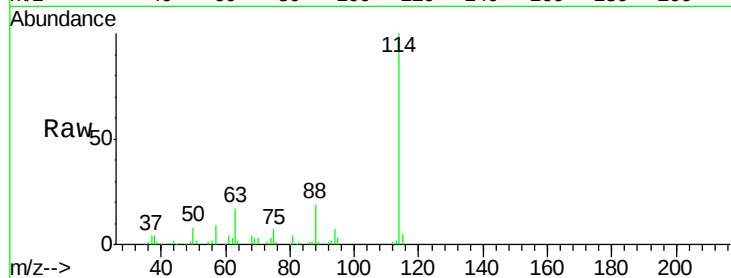
Tot Ion:114 Resp: 294046

Ion Ratio Lower Upper

114 100

63 16.8 0.0 36.2

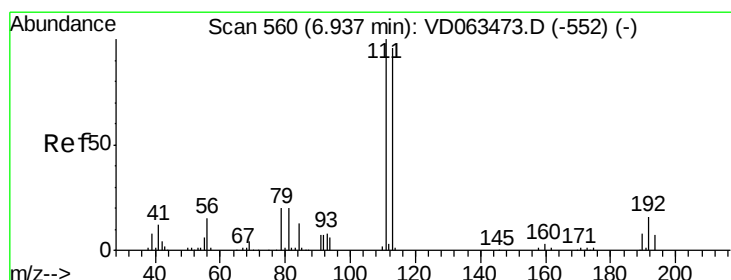
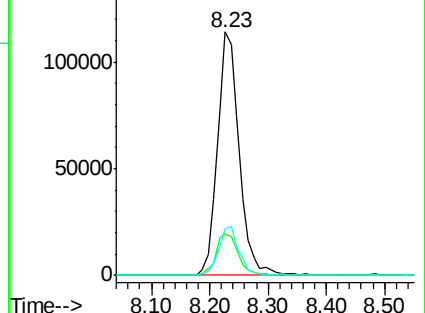
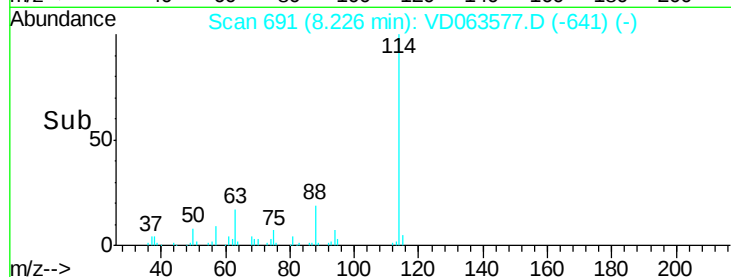
88 19.2 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 52.953 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD063577.D

Acq: 14 Aug 2019 16:43

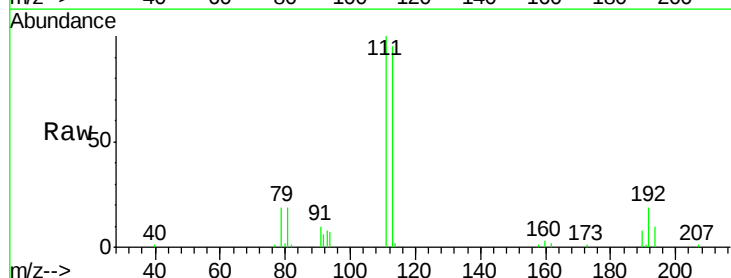
Tgt Ion:113 Resp: 131137

Ion Ratio Lower Upper

113 100

111 104.9 83.1 124.7

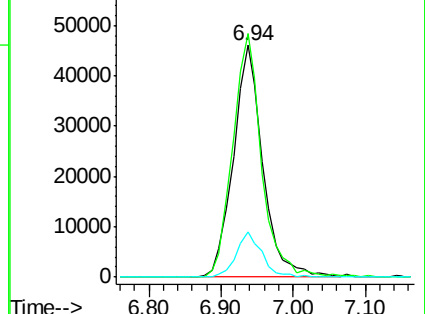
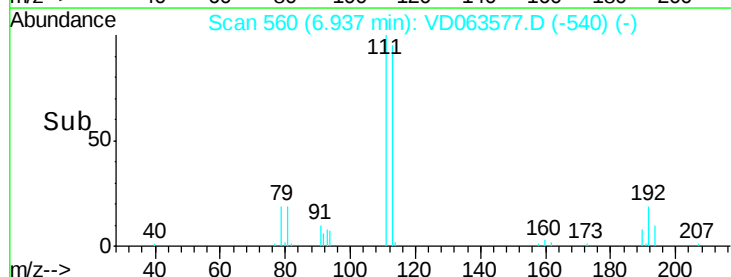
192 19.5 13.1 19.7

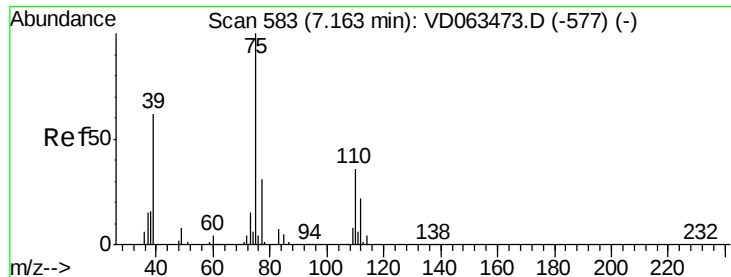


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

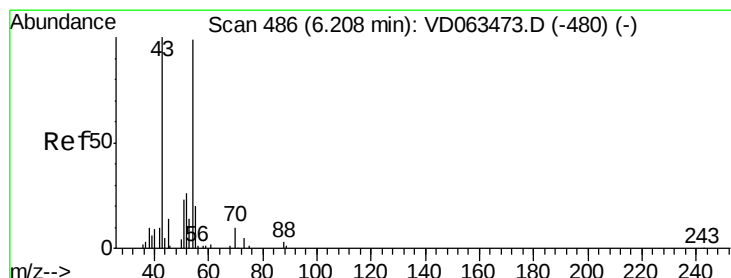
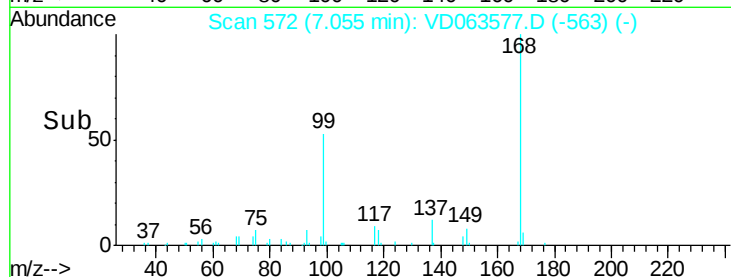
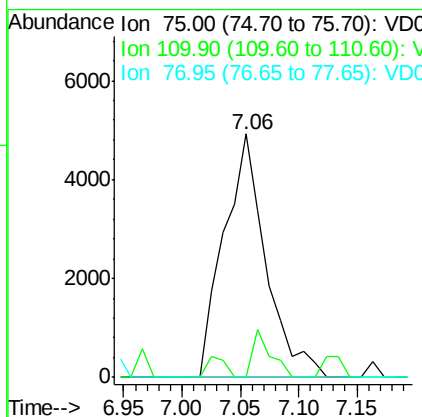
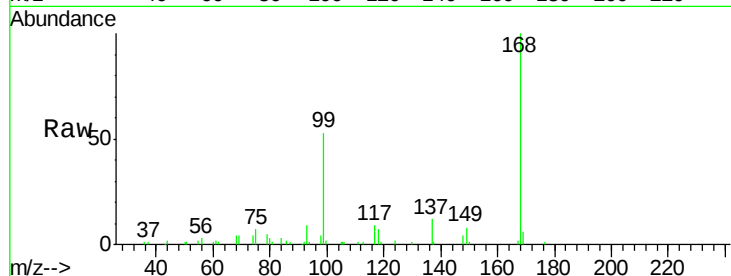




#36
 1,1-Dichloropropene
 Concen: 4.707 ug/l
 RT: 7.06 min Scan# 572
 Delta R.T. -0.11 min
 Lab File: VD063577.D
 Acq: 14 Aug 2019 16:43

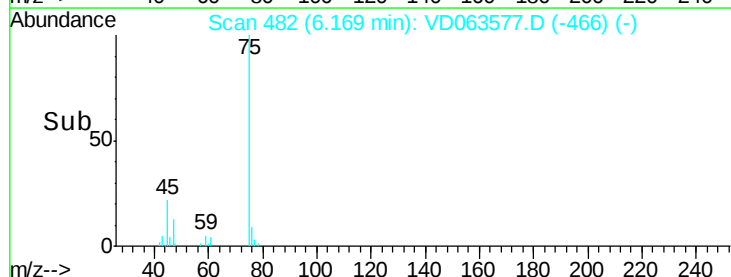
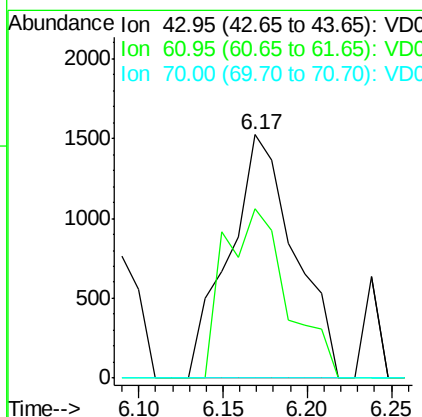
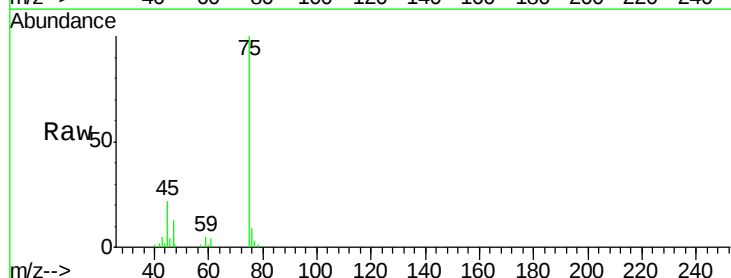
Instrument :
 MSVOA_D
 ClientSampleId :

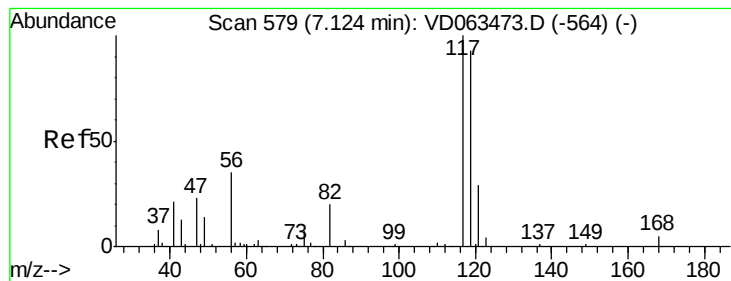
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.6	52.8#
77	0.0	24.3	36.5#



#37
 Ethyl Acetate
 Concen: 3.782 ug/l
 RT: 6.17 min Scan# 482
 Delta R.T. -0.04 min
 Lab File: VD063577.D
 Acq: 14 Aug 2019 16:43

Tgt Ion	Ratio	Lower	Upper
43	100		
61	69.6	9.0	13.6#
70	0.0	6.9	10.3#





#38

Carbon Tetrachloride

Concen: 4.284 ug/l

RT: 7.06 min Scan# 572

Delta R.T. -0.07 min

Lab File: VD063577.D

Acq: 14 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

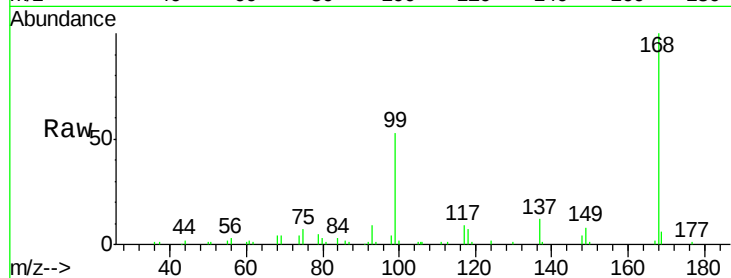
Tot Ion:117 Resp: 16785

Ion Ratio Lower Upper

117 100

119 6.5 74.2 111.2#

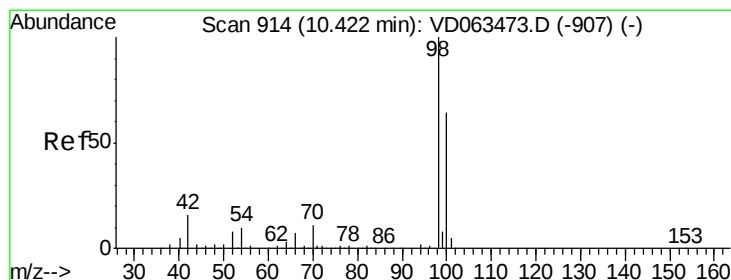
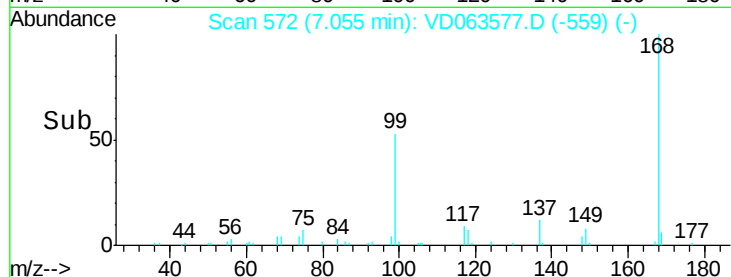
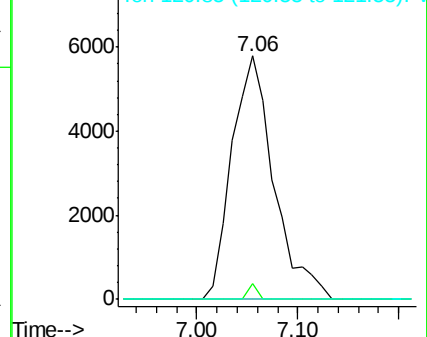
121 0.0 23.1 34.7#



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: 42.808 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD063577.D

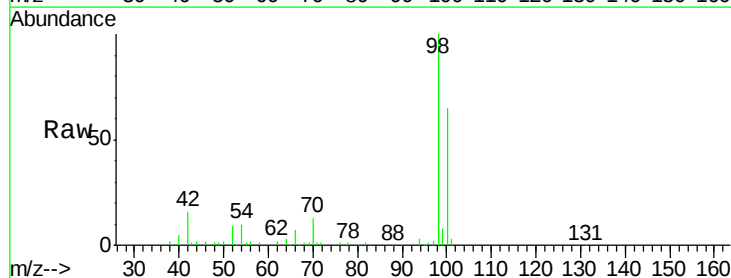
Acq: 14 Aug 2019 16:43

Tgt Ion: 98 Resp: 233072

Ion Ratio Lower Upper

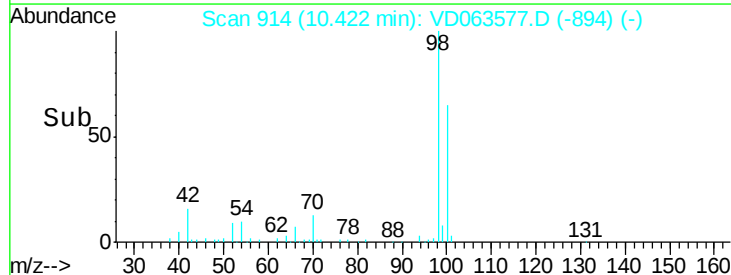
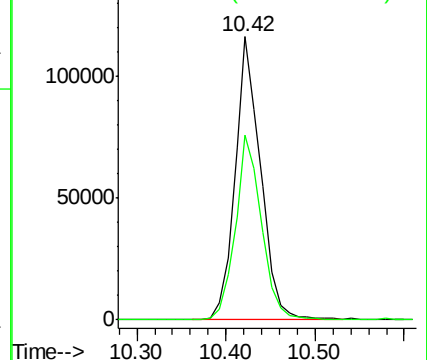
98 100

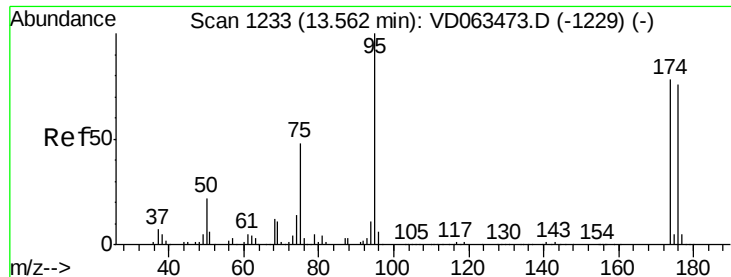
100 65.5 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): V

Ion 100.05 (99.75 to 100.75): V

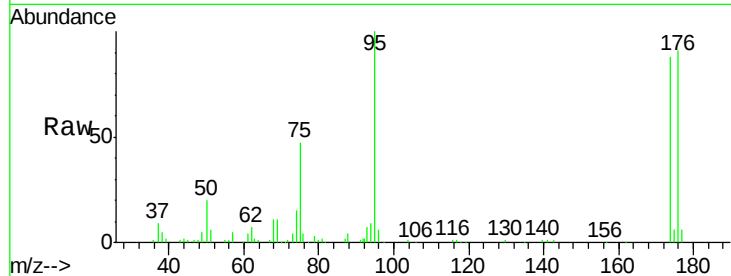




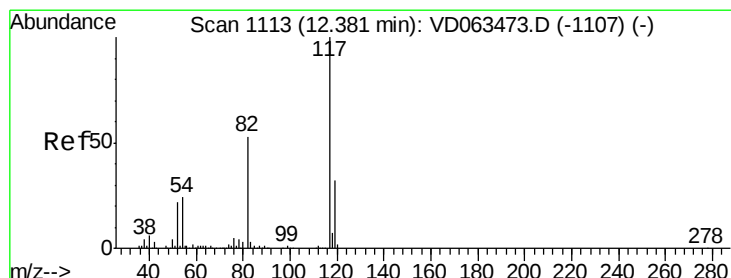
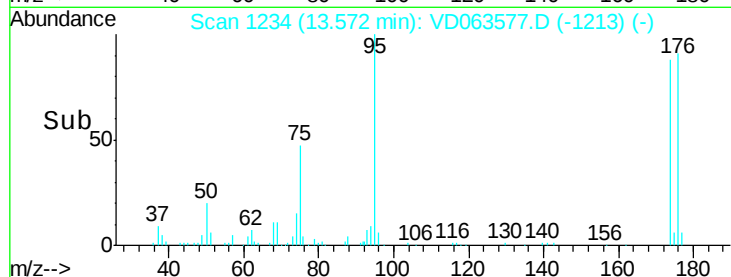
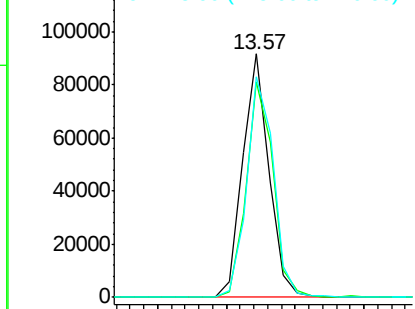
#62
4-Bromofluorobenzene
Concen: 49.454 ug/l
RT: 13.57 min Scan# 1234
Delta R.T. 0.01 min
Lab File: VD063577.D
Acq: 14 Aug 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 95 Resp: 122041
Ion Ratio Lower Upper
95 100
174 88.4 0.0 155.4
176 90.6 0.0 152.4

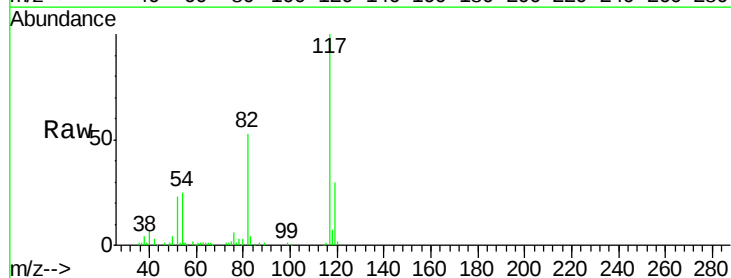


Abundance Ion 95.00 (94.70 to 95.70): VD
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

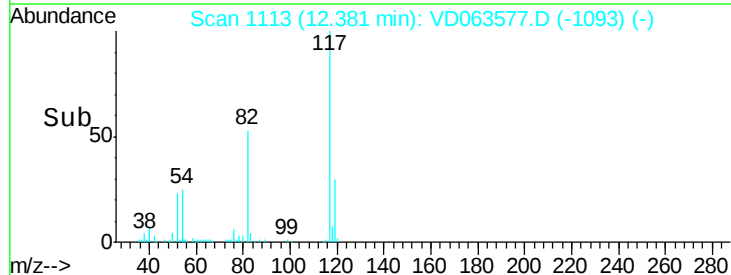
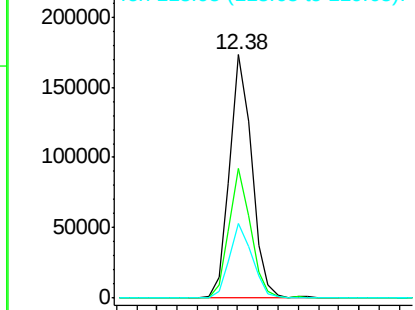


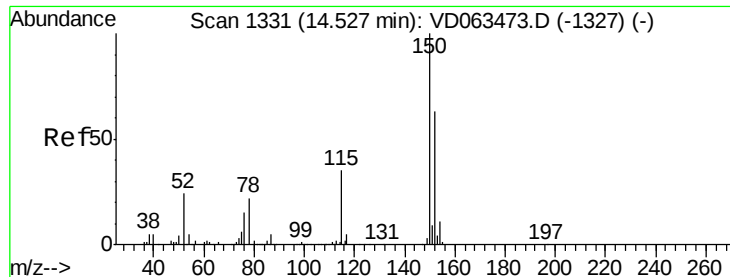
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD063577.D
Acq: 14 Aug 2019 16:43

Tgt Ion: 117 Resp: 265617
Ion Ratio Lower Upper
117 100
82 53.2 42.0 63.0
119 30.4 25.4 38.0



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. 0.01 min

Lab File: VD063577.D

Acq: 14 Aug 2019 16:43

Instrument :

MSVOA_D

ClientSampled :

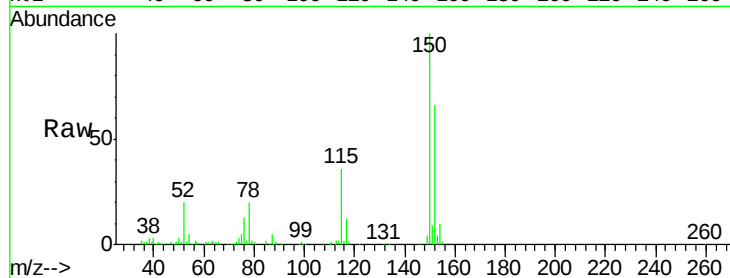
Tot Ion:152 Resp: 156293

Ion Ratio Lower Upper

152 100

115 54.1 30.9 92.7

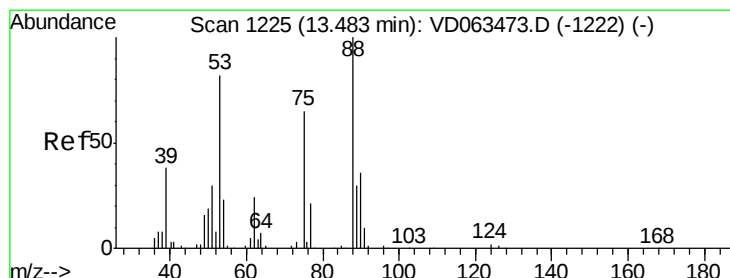
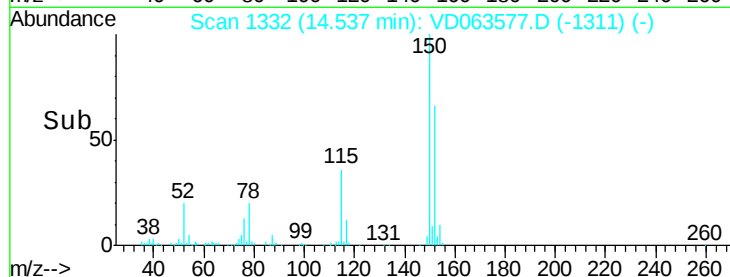
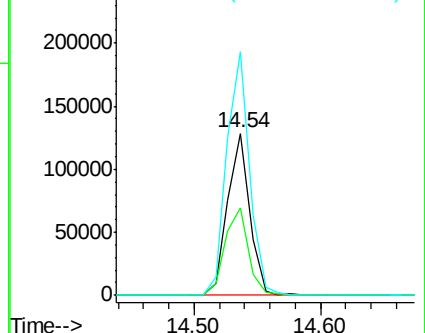
150 150.5 0.0 318.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 123.989 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.09 min

Lab File: VD063577.D

Acq: 14 Aug 2019 16:43

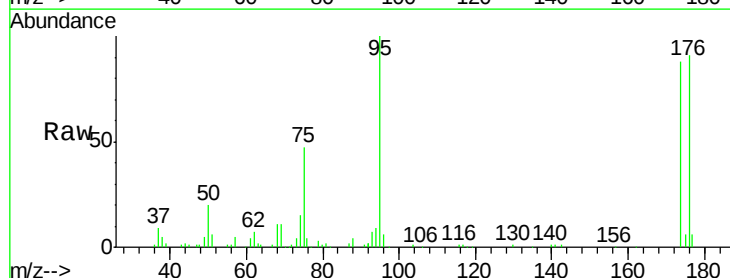
Tgt Ion: 75 Resp: 59776

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

89 0.0 37.0 55.6#



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

