

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090618\
 Data File : VD059980.D
 Acq On : 6 Sep 2018 12:24
 Operator : JC/SY
 Sample : VD0906SBL01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBL01

Quant Time: Sep 07 03:43:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 03:03:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1280213	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	1718222	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1404285	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	746858	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	517368	47.95	ug/l	-0.03
Spiked Amount						
			Recovery	=	95.90%	
35) Dibromofluoromethane	6.30	113	682476	50.66	ug/l	-0.03
Spiked Amount						
			Recovery	=	101.32%	
50) Toluene-d8	9.44	98	1909409	51.07	ug/l	-0.02
Spiked Amount						
			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.42	95	757059	49.86	ug/l	-0.02
Spiked Amount						
			Recovery	=	99.72%	

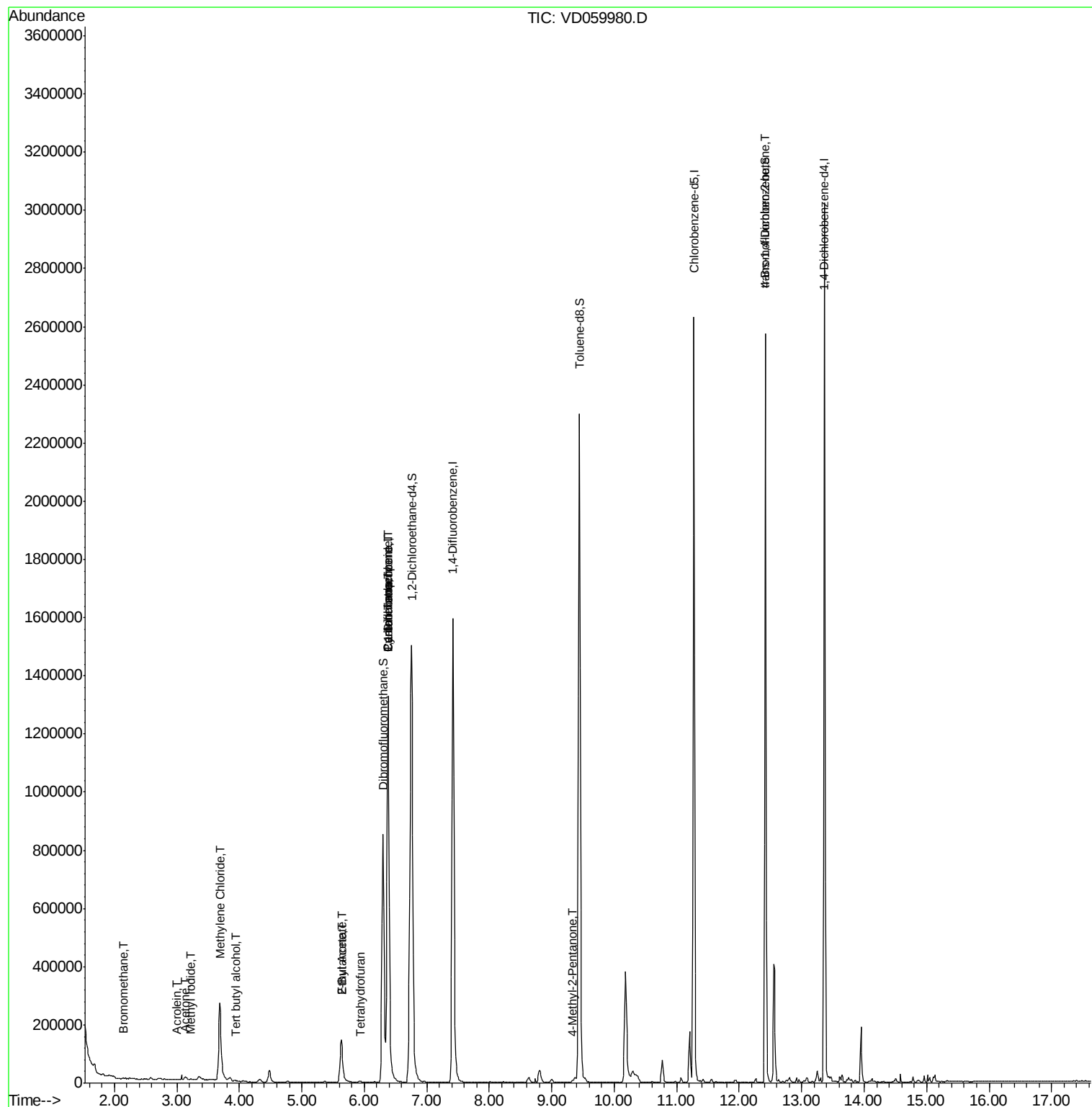
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.13	94	1600	1.14	ug/l #	1
10) Methyl Iodide	3.22	142	2117	3.79	ug/l #	86
11) Tert butyl alcohol	3.94	59	6748	8.20	ug/l #	75
13) Acrolein	3.00	56	523	1.46	ug/l	98
16) Acetone	3.14	43	25420	12.93	ug/l	97
20) Methylene Chloride	3.69	84	158495	9.03	ug/l	93
25) 2-Butanone	5.63	43	18856	3.24	ug/l #	88
29) Tetrahydrofuran	5.94	42	3666	1.32	ug/l #	62
31) Cyclohexane	6.37	56	26181	1.27	ug/l #	1
36) 1,1-Dichloropropene	6.38	75	84277	5.41	ug/l #	46
37) Ethyl Acetate	5.63	43	18856	1.56	ug/l #	20
38) Carbon Tetrachloride	6.38	117	100128	6.37	ug/l #	16
51) 4-Methyl-2-Pentanone	9.33	43	12589	1.07	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.42	75	299855	83.04	ug/l #	12
89) n-Butylbenzene	13.65	91	4929	Below Cal		87

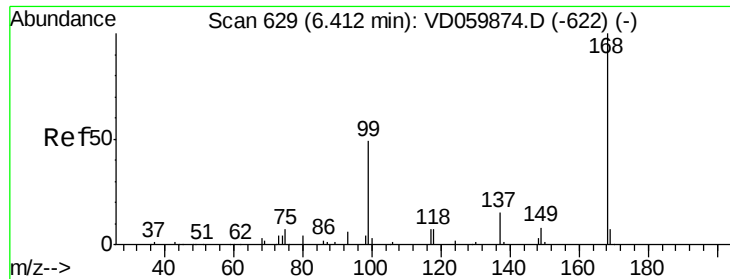
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090618\
Data File : VD059980.D
Acq On : 6 Sep 2018 12:24
Operator : JC/SY
Sample : VD0906SBL01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBL01

Quant Time: Sep 07 03:43:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 03:03:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD059980.D

Acq: 6 Sep 2018 12:24

Instrument :

MSVOA_D

ClientSampleId :

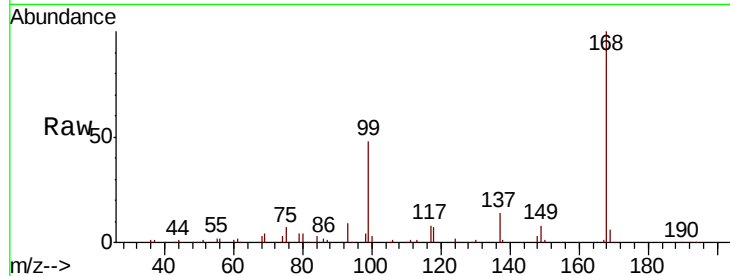
VD0906SBL01

Tot Ion:168 Resp: 1280213

Ion Ratio Lower Upper

168 100

99 48.4 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

500000

400000

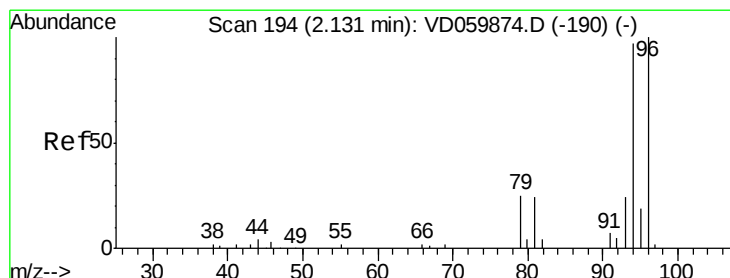
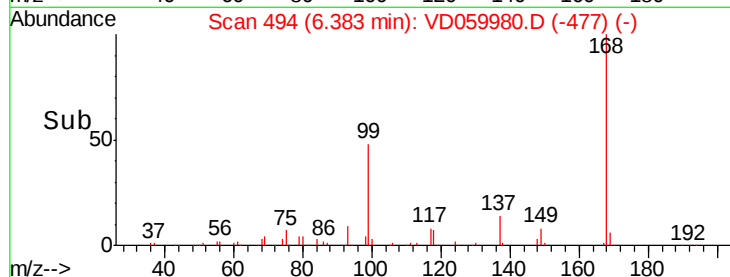
300000

200000

100000

0

Time--> 6.20 6.30 6.40 6.50 6.60



#5

Bromomethane

Concen: 1.14 ug/l

RT: 2.13 min Scan# 62

Delta R.T. 0.00 min

Lab File: VD059980.D

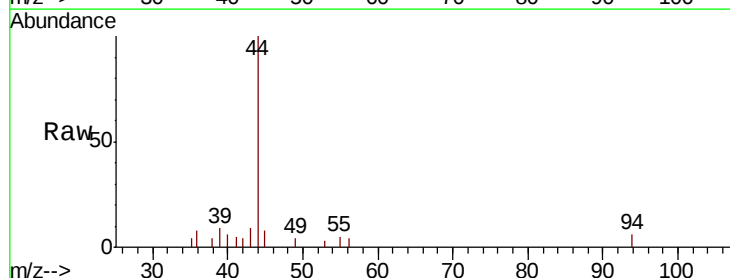
Acq: 6 Sep 2018 12:24

Tgt Ion: 94 Resp: 1600

Ion Ratio Lower Upper

94 100

96 0.0 82.4 123.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.13

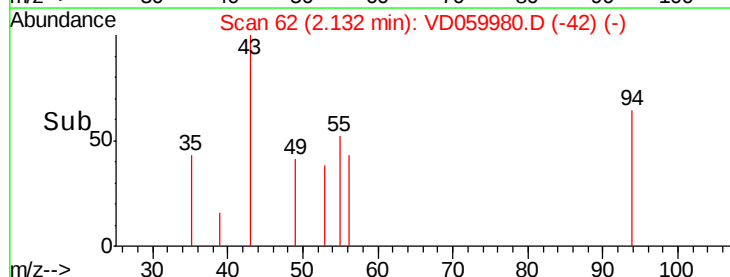
600

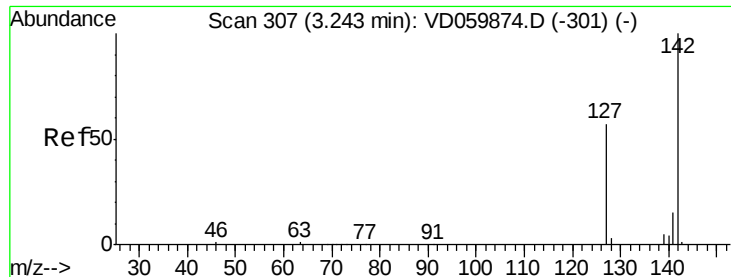
400

200

0

Time--> 2.05 2.10 2.15

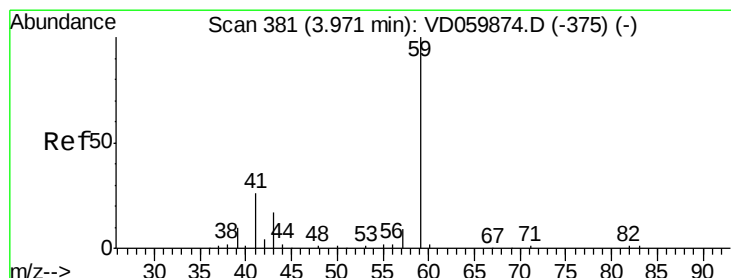
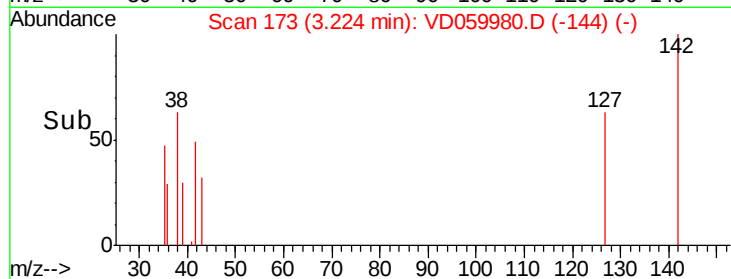
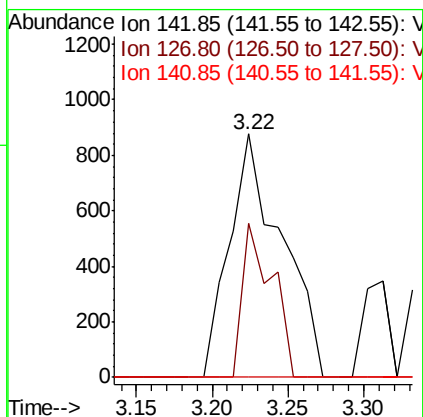
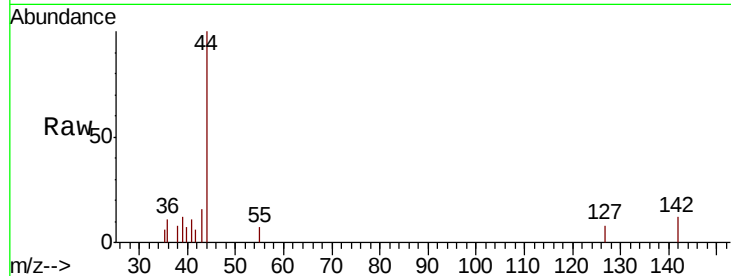




#10
Methyl Iodide
Concen: 3.79 ug/l
RT: 3.22 min Scan# 173
Delta R.T. -0.02 min
Lab File: VD059980.D
Acq: 6 Sep 2018 12:24

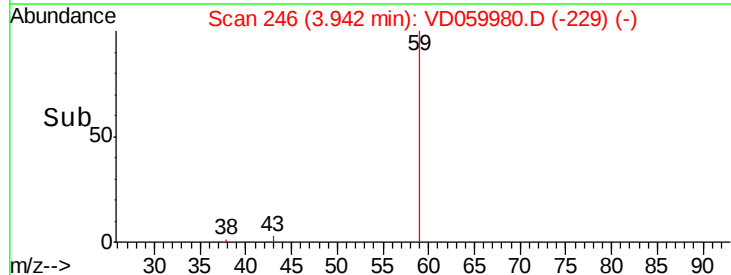
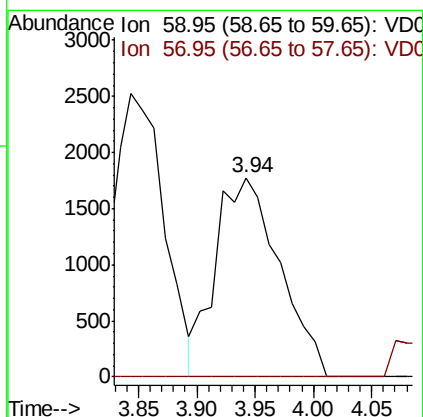
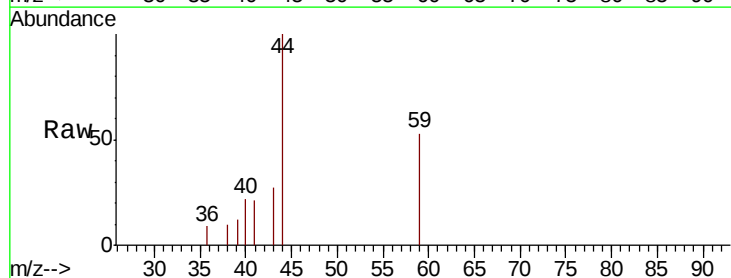
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBL01

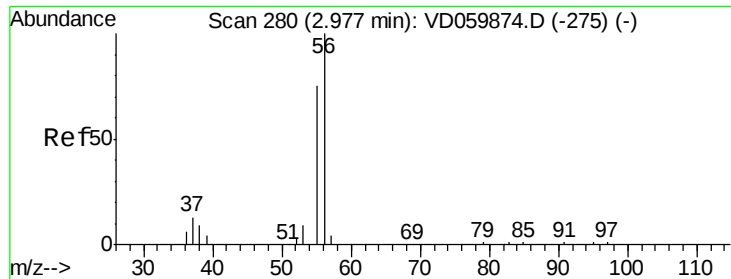
Tot Ion:142 Resp: 2117
Ion Ratio Lower Upper
142 100
127 63.3 45.8 68.6
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 8.20 ug/l
RT: 3.94 min Scan# 246
Delta R.T. -0.03 min
Lab File: VD059980.D
Acq: 6 Sep 2018 12:24

Tgt Ion: 59 Resp: 6748
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#13

Acrolein

Concen: 1.46 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.02 min

Lab File: VD059980.D

Acq: 6 Sep 2018 12:24

Instrument :

MSVOA_D

ClientSampleId :

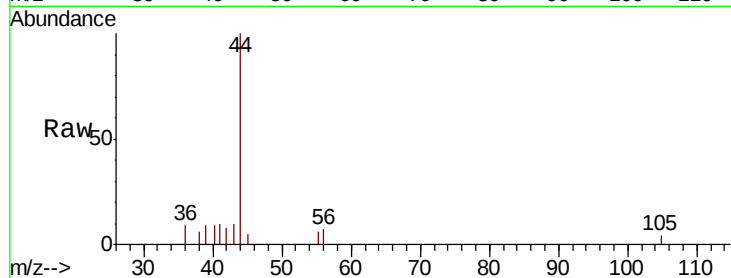
VD0906SBL01

Tot Ion: 56 Resp: 523

Ion Ratio Lower Upper

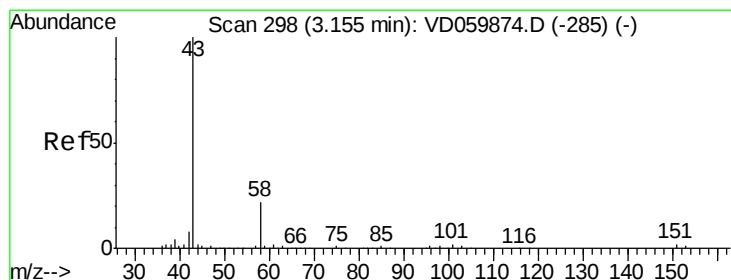
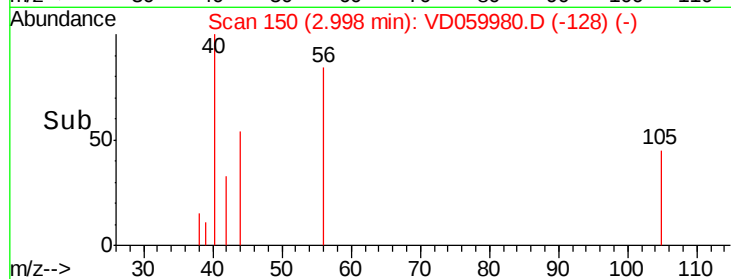
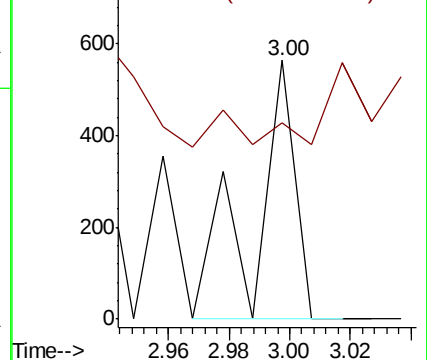
56 100

55 75.7 61.9 92.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 12.93 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.02 min

Lab File: VD059980.D

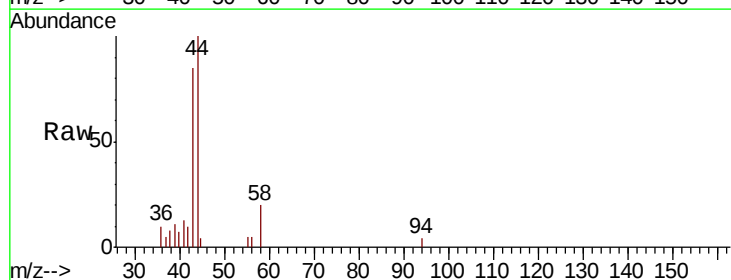
Acq: 6 Sep 2018 12:24

Tgt Ion: 43 Resp: 25420

Ion Ratio Lower Upper

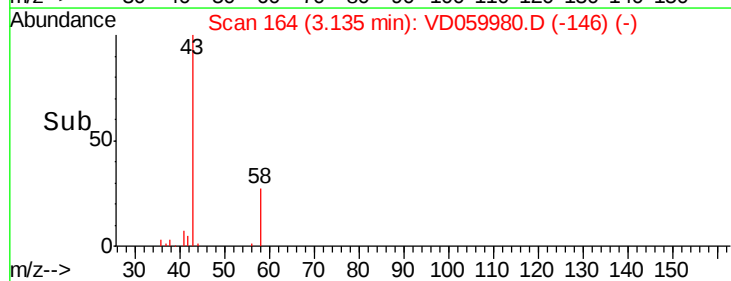
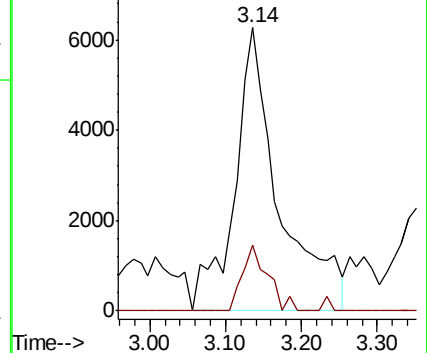
43 100

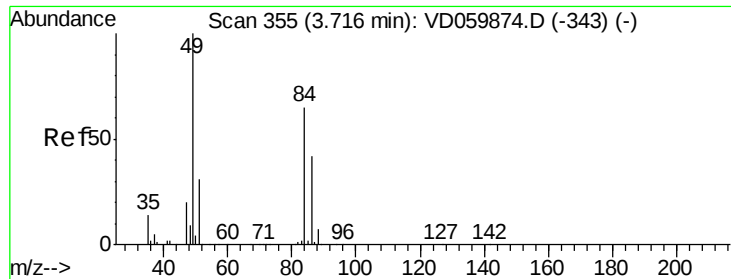
58 23.4 17.6 26.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

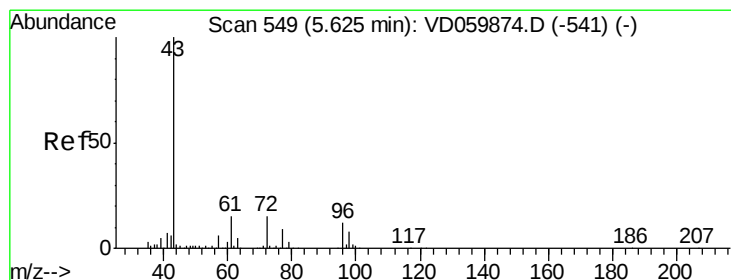
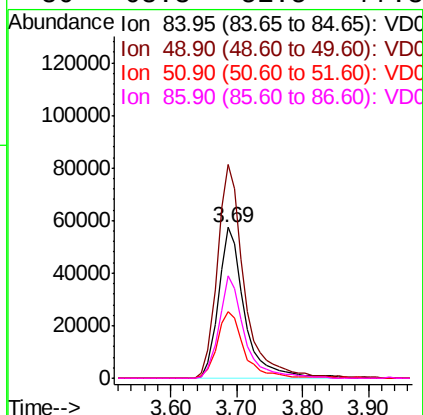
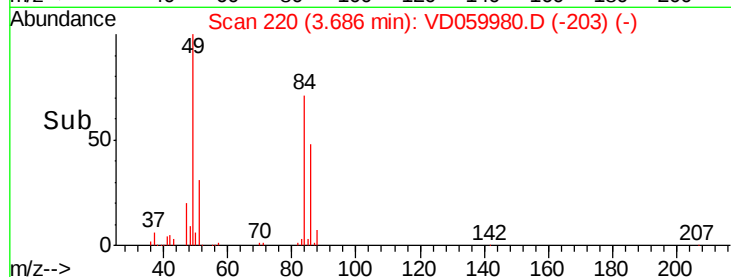
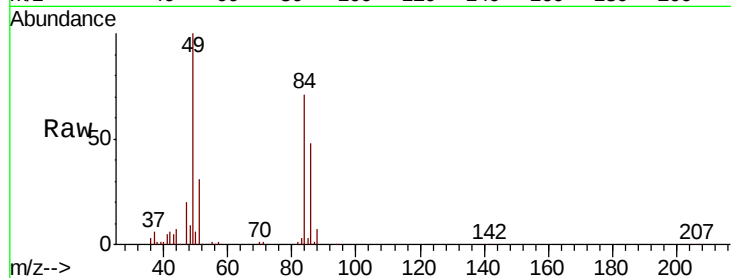




#20
Methylene Chloride
Concen: 9.03 ug/l
RT: 3.69 min Scan# 220
Delta R.T. -0.03 min
Lab File: VD059980.D
Acq: 6 Sep 2018 12:24

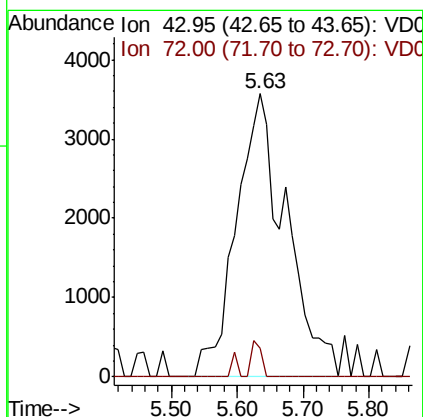
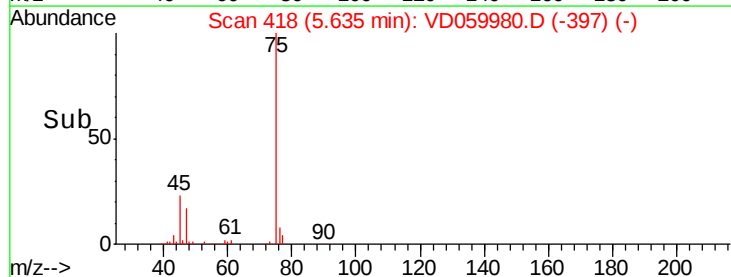
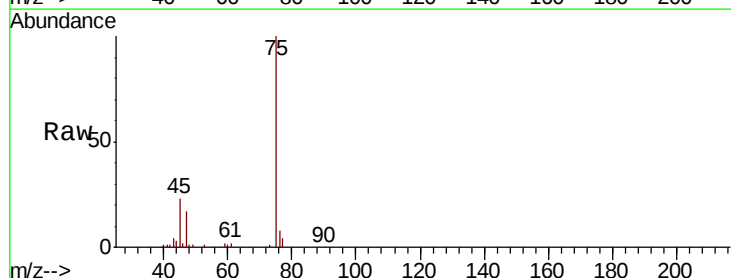
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBL01

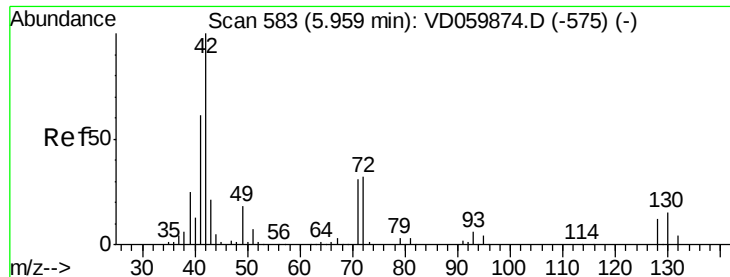
Tot Ion: 84 Resp: 158495
Ion Ratio Lower Upper
84 100
49 141.8 122.6 183.8
51 44.2 38.4 57.6
86 68.3 51.5 77.3



#25
2-Butanone
Concen: 3.24 ug/l
RT: 5.63 min Scan# 418
Delta R.T. 0.01 min
Lab File: VD059980.D
Acq: 6 Sep 2018 12:24

Tgt Ion: 43 Resp: 18856
Ion Ratio Lower Upper
43 100
72 10.3 12.3 18.5#

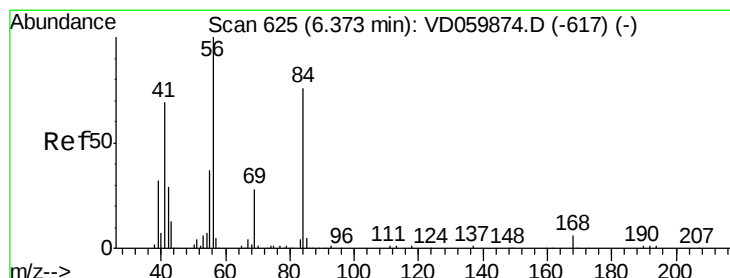
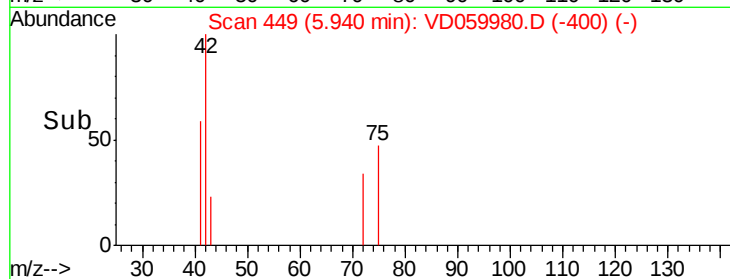
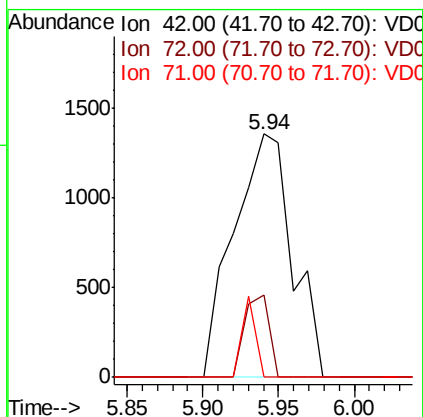
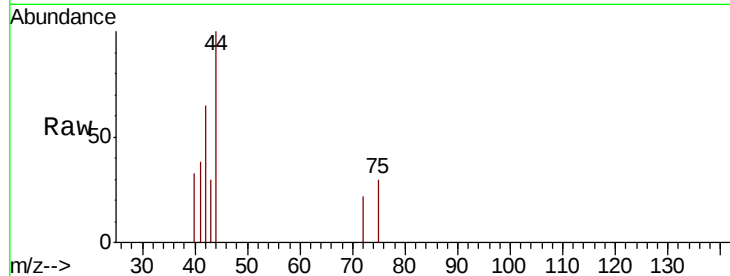




#29
Tetrahydrofuran
Concen: 1.32 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.02 min
Lab File: VD059980.D
Acq: 6 Sep 2018 12:24

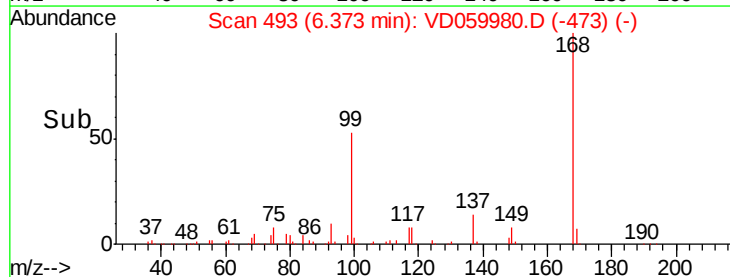
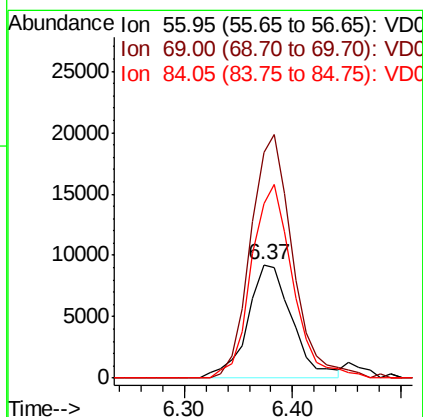
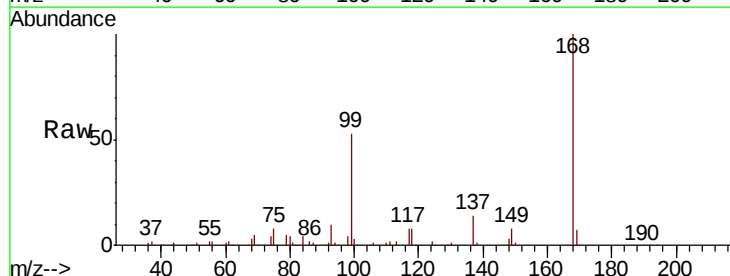
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBL01

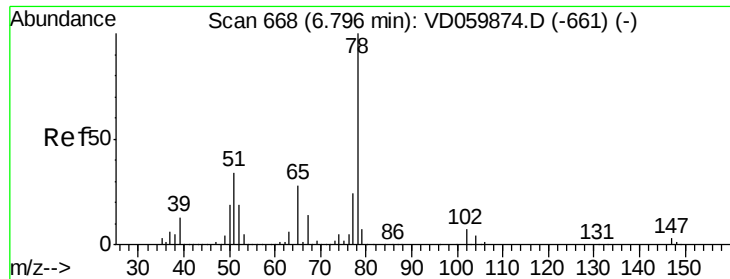
Tot Ion: 42 Resp: 3666
Ion Ratio Lower Upper
42 100
72 14.0 25.7 38.5#
71 7.3 25.3 37.9#



#31
Cyclohexane
Concen: 1.27 ug/l
RT: 6.37 min Scan# 493
Delta R.T. 0.00 min
Lab File: VD059980.D
Acq: 6 Sep 2018 12:24

Tgt Ion: 56 Resp: 26181
Ion Ratio Lower Upper
56 100
69 200.1 22.4 33.6#
84 154.8 62.1 93.1#

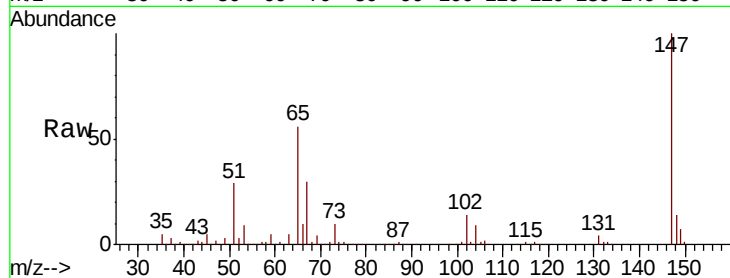




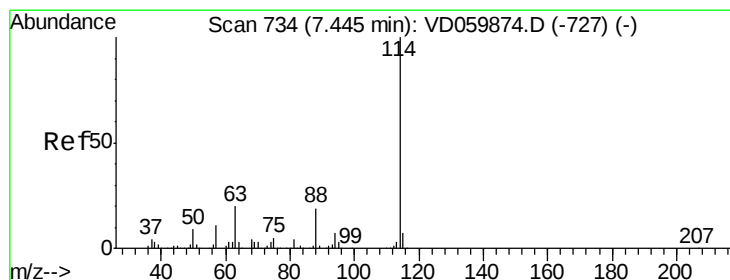
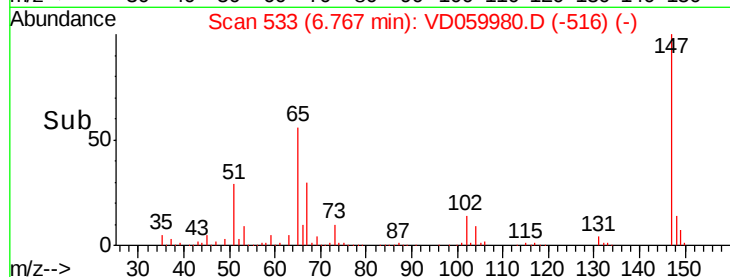
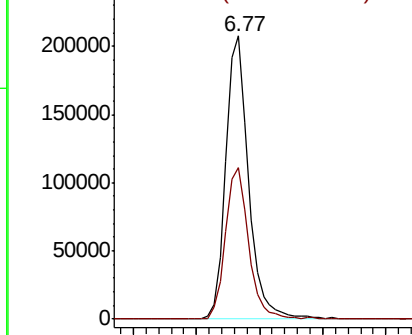
#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.77 min Scan# 533
 Delta R.T. -0.03 min
 Lab File: VD059980.D
 Acq: 6 Sep 2018 12:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0906SBL01

Tot Ion: 65 Resp: 517368
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.8

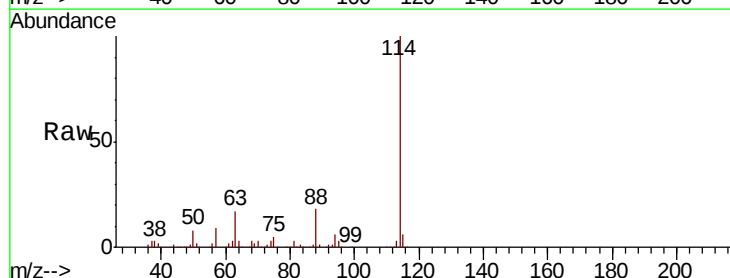


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

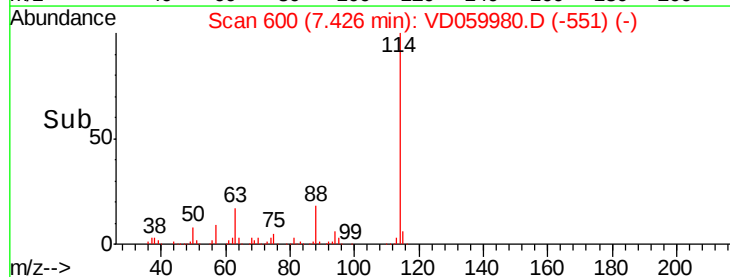
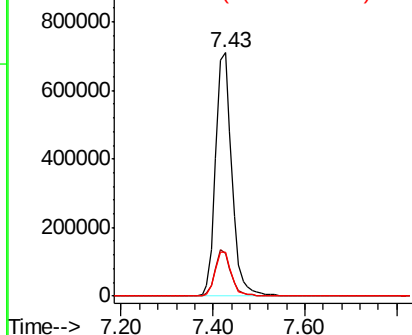


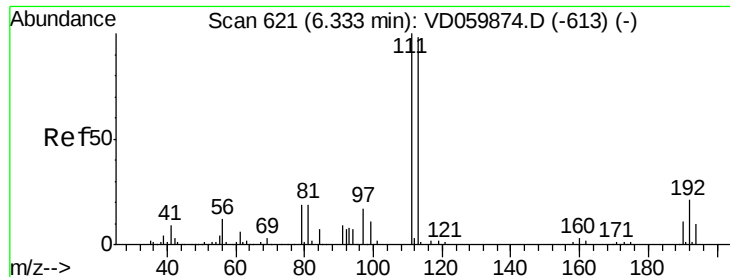
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.02 min
 Lab File: VD059980.D
 Acq: 6 Sep 2018 12:24

Tgt Ion: 114 Resp: 1718222
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 39.4
 88 18.1 0.0 37.6



Abundance Ion 114.00 (113.70 to 114.70): VDC
 Ion 62.95 (62.65 to 63.65): VDC
 Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.30 min Scan# 486

Delta R.T. -0.03 min

Lab File: VD059980.D

Acq: 6 Sep 2018 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBL01

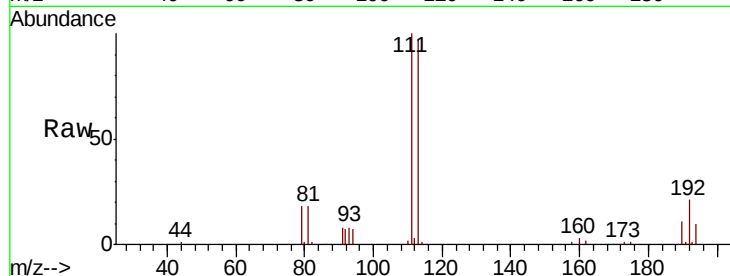
Tot Ion:113 Resp: 682476

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.2

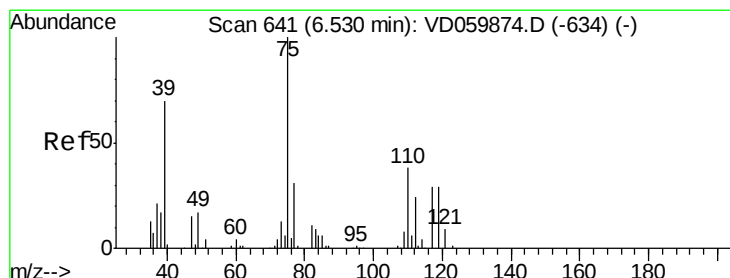
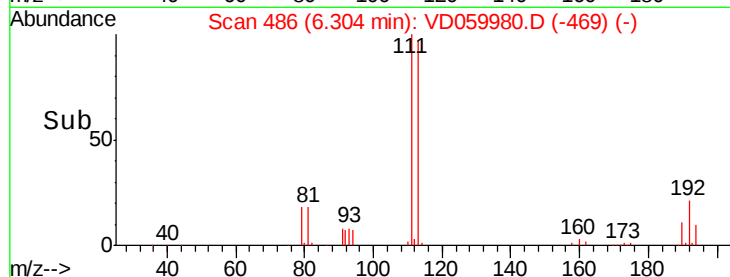
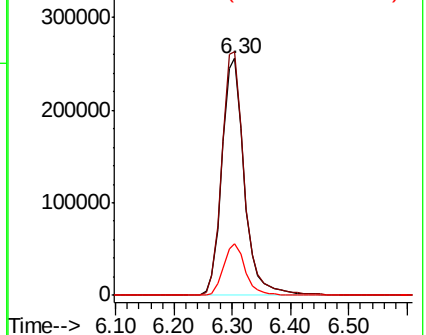
192 21.9 17.0 25.6



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: 5.41 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.15 min

Lab File: VD059980.D

Acq: 6 Sep 2018 12:24

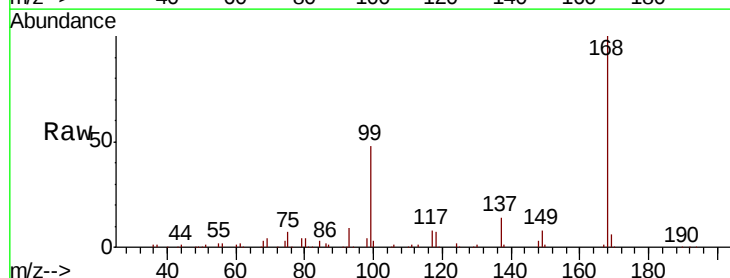
Tgt Ion: 75 Resp: 84277

Ion Ratio Lower Upper

75 100

110 6.7 18.6 56.0#

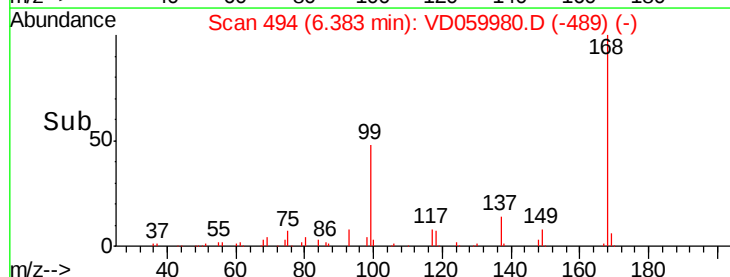
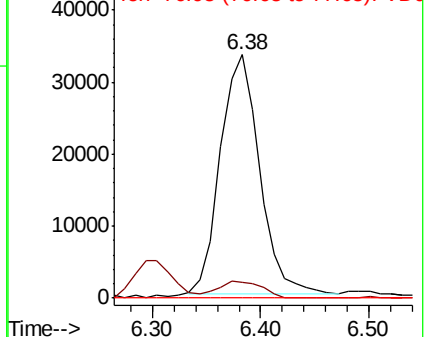
77 0.0 25.1 37.7#

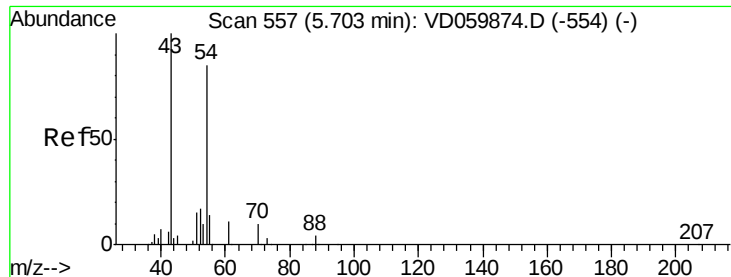


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

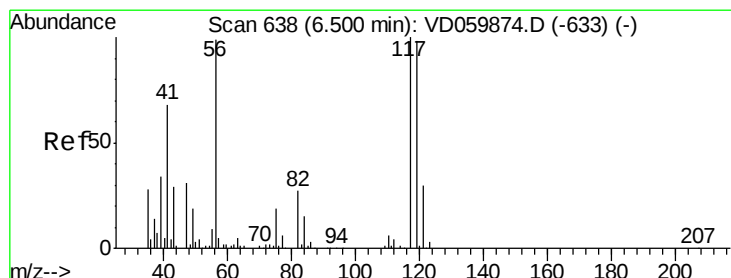
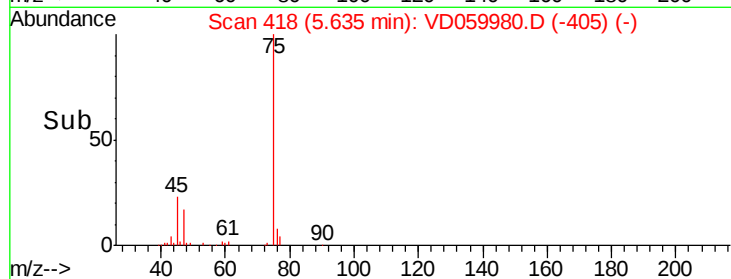
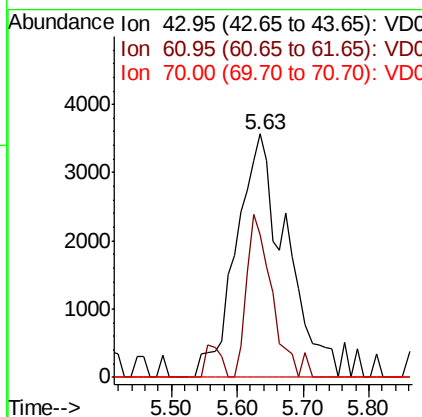
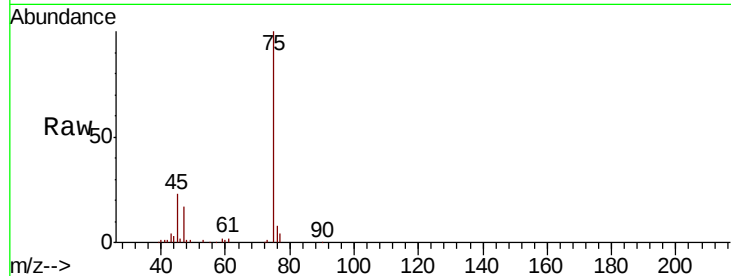




#37
Ethyl Acetate
Concen: 1.56 ug/l
RT: 5.63 min Scan# 418
Delta R.T. -0.07 min
Lab File: VD059980.D
Acq: 6 Sep 2018 12:24

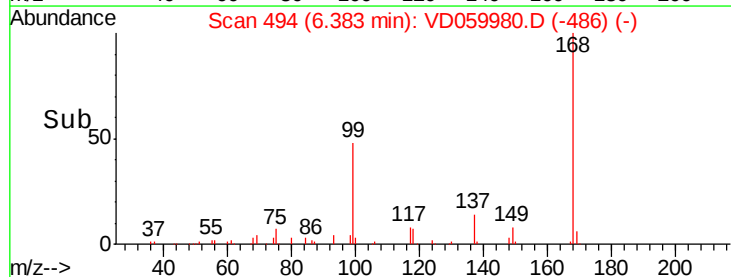
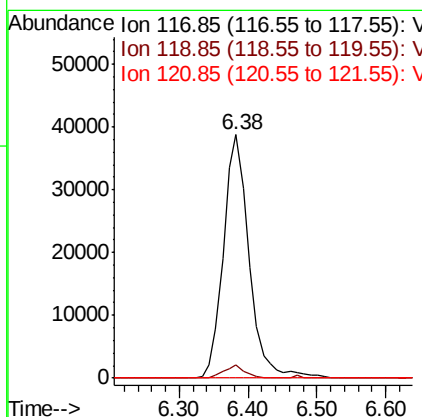
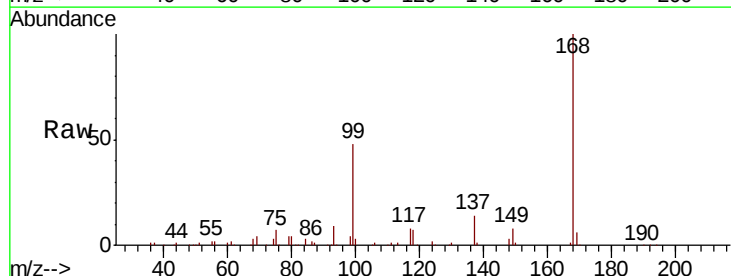
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBL01

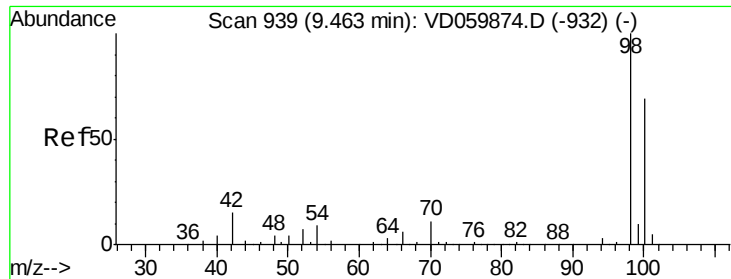
Tot Ion: 43 Resp: 18856
Ion Ratio Lower Upper
43 100
61 58.5 11.0 16.6#
70 0.0 5.7 8.5#



#38
Carbon Tetrachloride
Concen: 6.37 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.12 min
Lab File: VD059980.D
Acq: 6 Sep 2018 12:24

Tgt Ion: 117 Resp: 100128
Ion Ratio Lower Upper
117 100
119 5.7 77.2 115.8#
121 0.0 24.0 36.0#

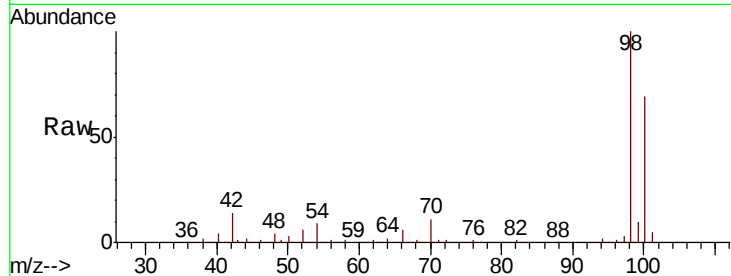




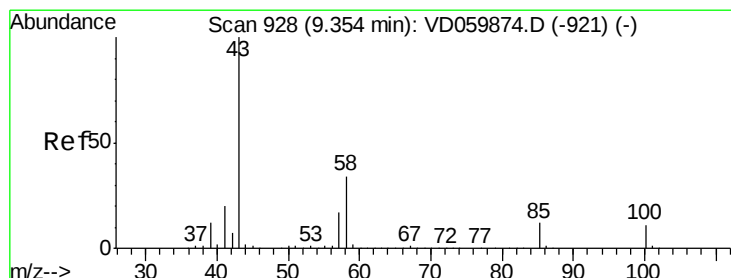
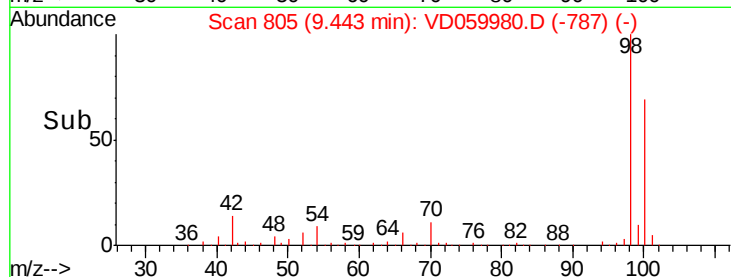
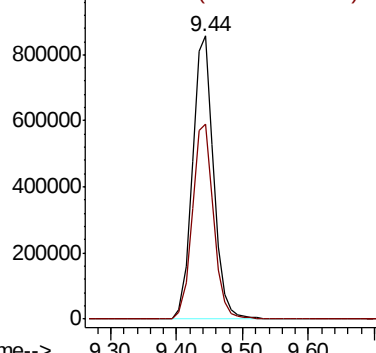
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.44 min Scan# 805
Delta R.T. -0.02 min
Lab File: VD059980.D
Acq: 6 Sep 2018 12:24

Instrument :
MSVOA_D
ClientSampleId :
VD0906SBL01

Tot Ion: 98 Resp: 1909409
Ion Ratio Lower Upper
98 100
100 68.8 55.8 83.6

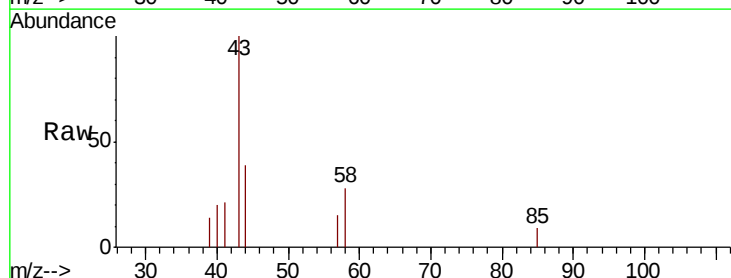


Abundance Ion 98.05 (97.75 to 98.75): VD059874.D (-932) (-)
Ion 100.05 (99.75 to 100.75): VD059874.D (-932) (-)

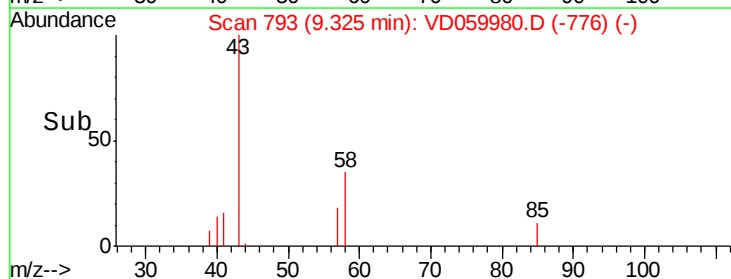
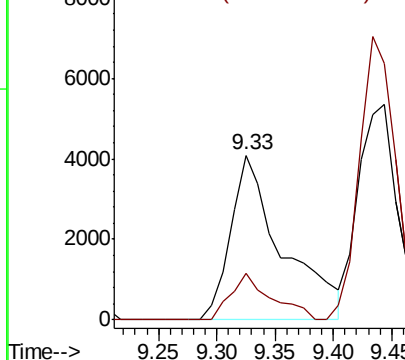


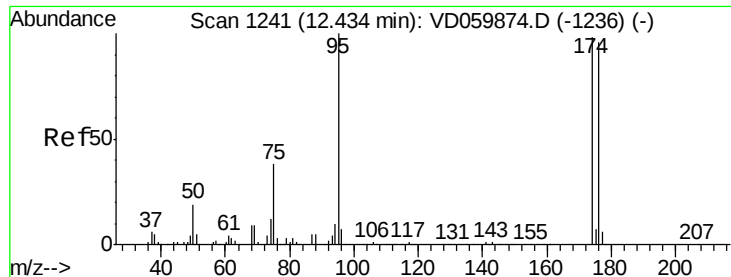
#51
4-Methyl-2-Pentanone
Concen: 1.07 ug/l
RT: 9.33 min Scan# 793
Delta R.T. -0.03 min
Lab File: VD059980.D
Acq: 6 Sep 2018 12:24

Tgt Ion: 43 Resp: 12589
Ion Ratio Lower Upper
43 100
58 27.9 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VD059874.D (-921) (-)
Ion 57.95 (57.65 to 58.65): VD059874.D (-921) (-)

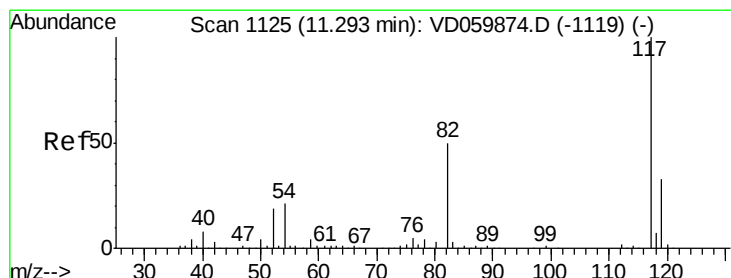
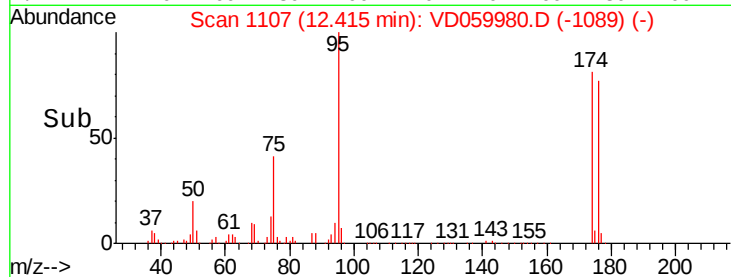
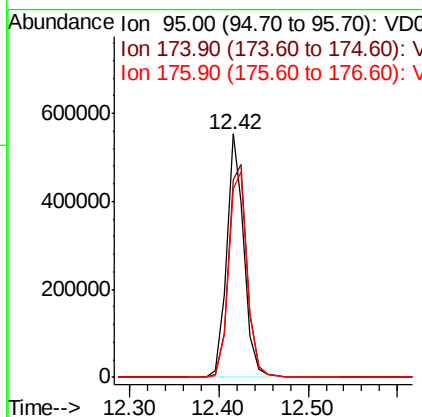
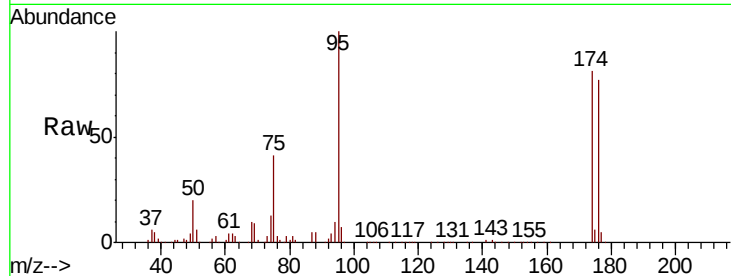




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.02 min
Lab File: VD059980.D
Acq: 6 Sep 2018 12:24

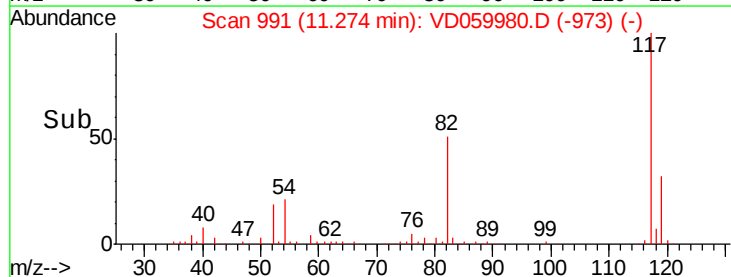
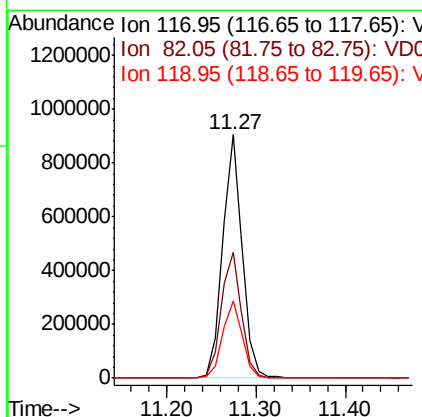
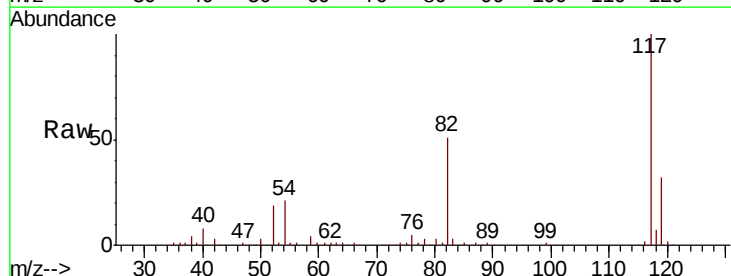
Instrument :
MSVOA_D
ClientSampleId :
VD0906SBL01

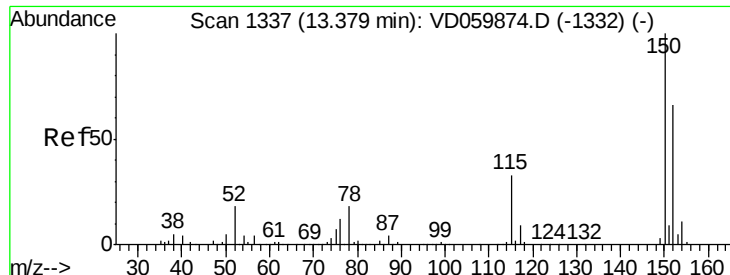
Tot Ion: 95 Resp: 757059
Ion Ratio Lower Upper
95 100
174 81.4 0.0 195.6
176 77.4 0.0 191.2



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.02 min
Lab File: VD059980.D
Acq: 6 Sep 2018 12:24

Tgt Ion: 117 Resp: 1404285
Ion Ratio Lower Upper
117 100
82 51.5 40.1 60.1
119 31.7 26.7 40.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.01 min

Lab File: VD059980.D

Acq: 6 Sep 2018 12:24

Instrument :

MSVOA_D

ClientSampleId :

VD0906SBL01

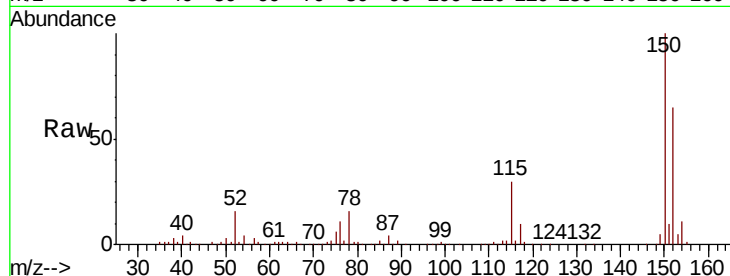
Tot Ion:152 Resp: 746858

Ion Ratio Lower Upper

152 100

115 46.6 25.7 77.0

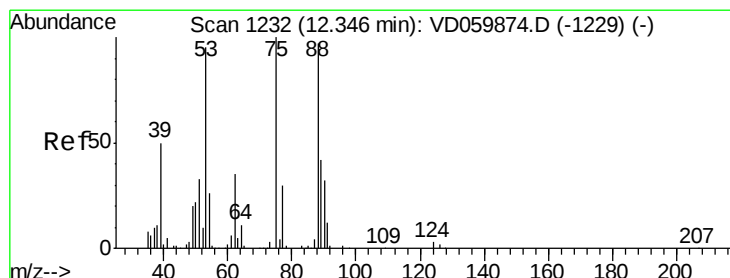
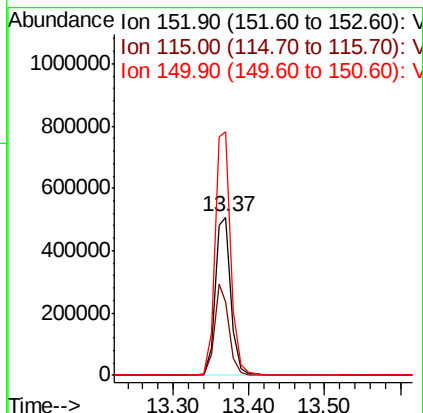
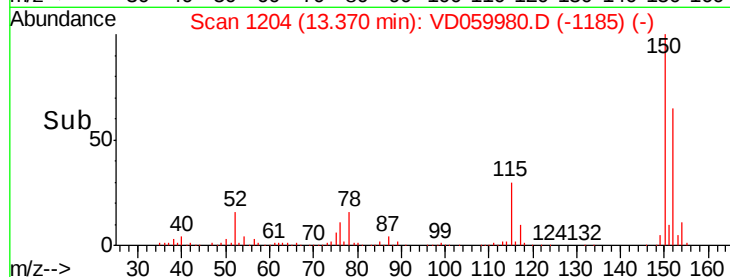
150 153.7 0.0 310.2



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: 83.04 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD059980.D

Acq: 6 Sep 2018 12:24

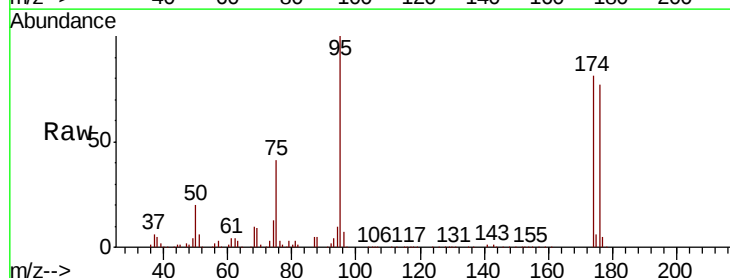
Tgt Ion: 75 Resp: 299855

Ion Ratio Lower Upper

75 100

53 0.0 75.8 113.6#

89 0.0 33.6 50.4#



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

