

Data File : VW012377.D
Acq On : 31 Aug 2019 04:13
Operator : SY/VA
Sample : K4562-04
Misc : 4.84G/5ML/MSVOA_W/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SB-02-20-22

Quant Time: Aug 31 04:53:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	193177	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	317238	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	257052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	90969	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	130181	56.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.38%	
35) Dibromofluoromethane	7.88	113	99764	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
50) Toluene-d8	10.32	98	384805	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.62	95	114536	42.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.64%	

Target Compounds

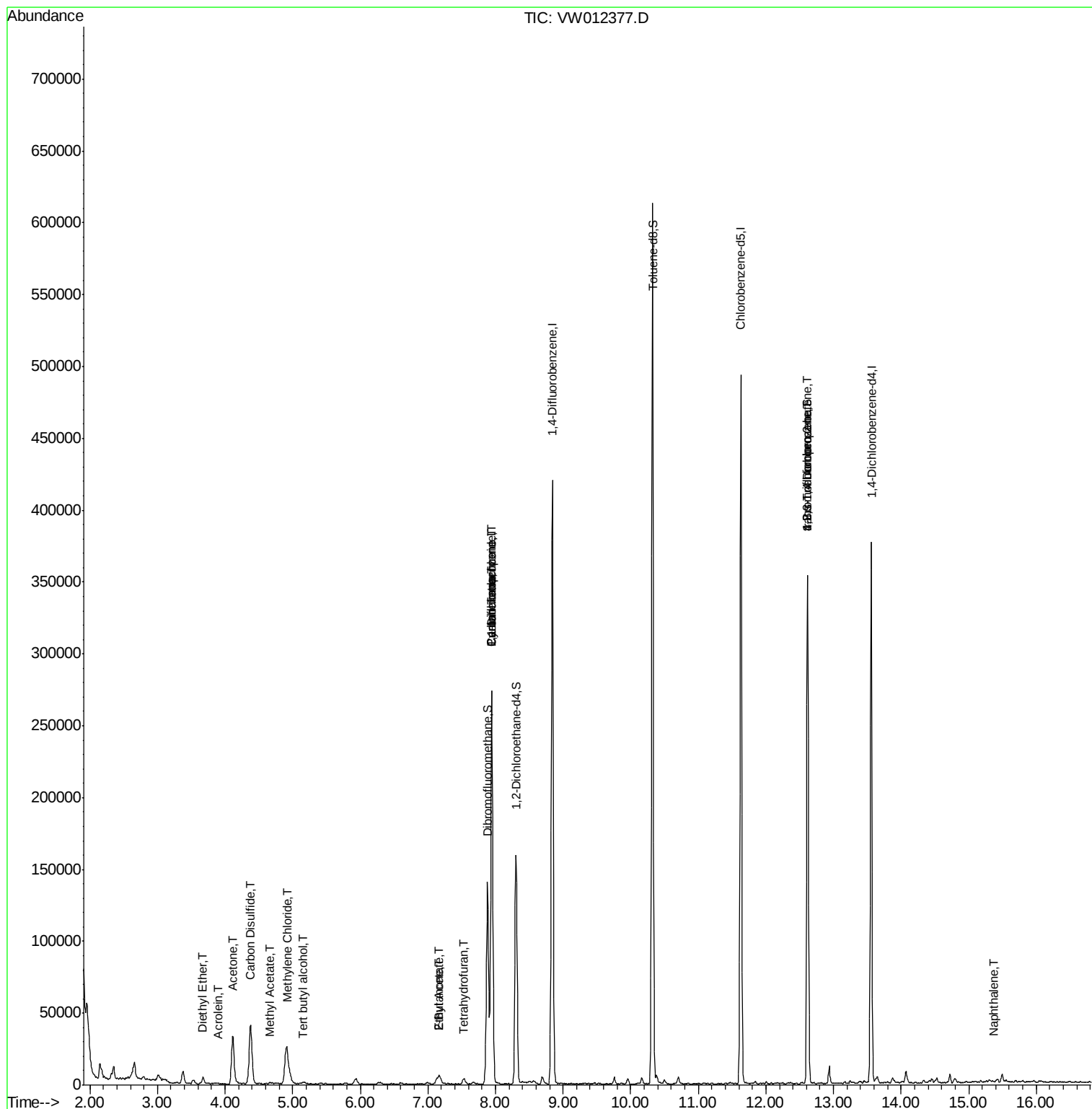
						Qvalue
8) Diethyl Ether	3.68	74	2260	2.102	ug/l	90
11) Tert butyl alcohol	5.15	59	1811	13.105	ug/l #	78
13) Acrolein	3.88	56	337	2.591	ug/l #	75
16) Acetone	4.11	43	60911	103.765	ug/l	98
17) Carbon Disulfide	4.38	76	85662	14.628	ug/l	98
18) Methyl Acetate	4.67	43	2645	1.819	ug/l #	91
20) Methylene Chloride	4.91	84	18282	8.238	ug/l	93
25) 2-Butanone	7.16	43	7994	10.022	ug/l	95
29) Tetrahydrofuran	7.53	42	3424	7.155	ug/l	98
31) Cyclohexane	7.94	56	5037	1.218	ug/l #	3
36) 1,1-Dichloropropene	7.94	75	16596	5.062	ug/l #	51
37) Ethyl Acetate	7.16	43	7994	4.450	ug/l #	73
38) Carbon Tetrachloride	7.95	117	20195	7.117	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	63423	71.586	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63423	156.954	ug/l #	6
95) Naphthalene	15.37	128	487	4.451	ug/l #	83

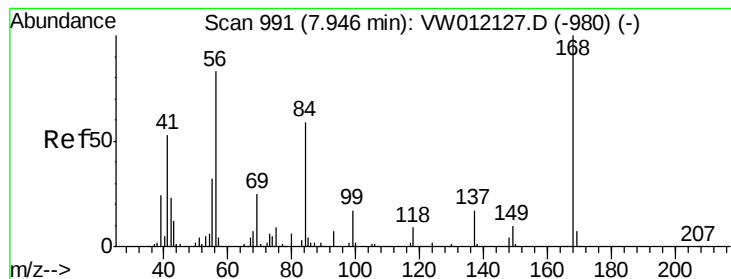
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012377.D

Acq: 31 Aug 2019 04:13

Instrument :

MSVOA_W

ClientSampleId :

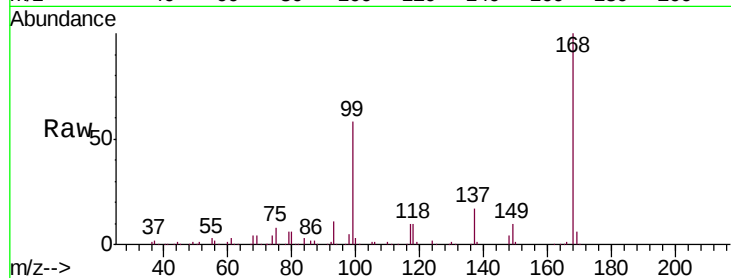
SB-02-20-22

Tgt Ion:168 Resp: 193177

Ion Ratio Lower Upper

168 100

99 58.0 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

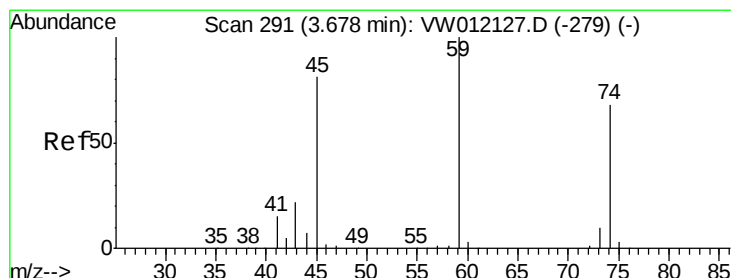
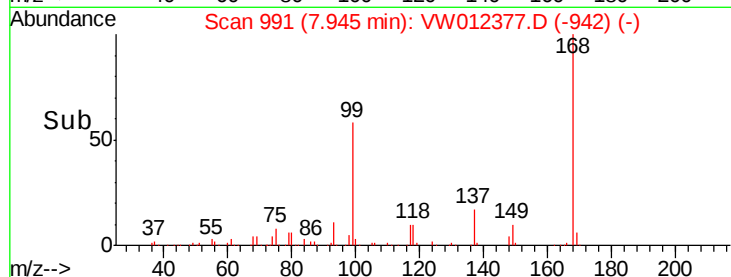
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.102 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VW012377.D

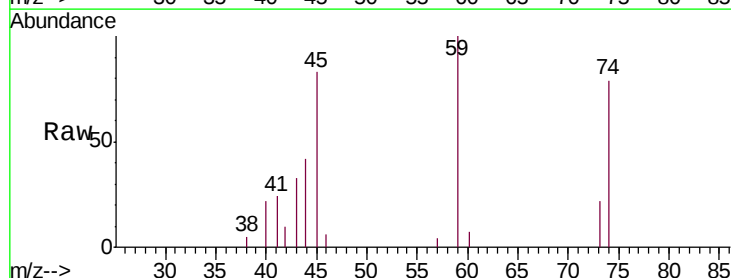
Acq: 31 Aug 2019 04:13

Tgt Ion: 74 Resp: 2260

Ion Ratio Lower Upper

74 100

45 129.2 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

1200

1000

800

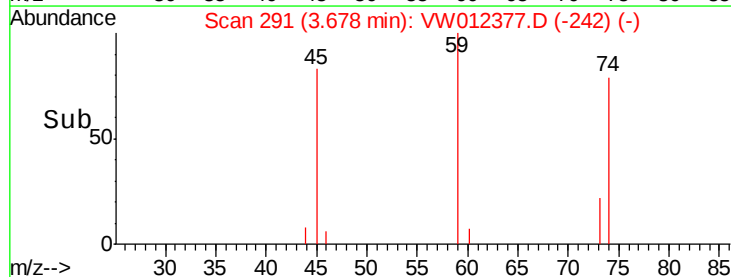
600

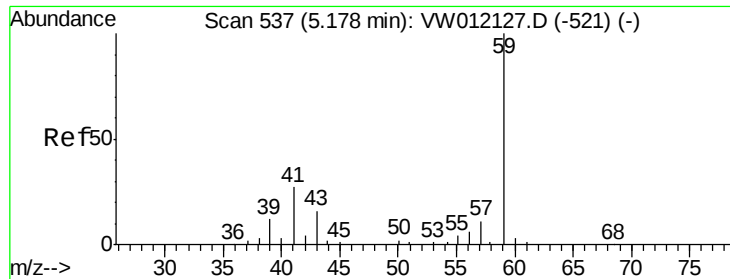
400

200

0

Time--> 3.60 3.65 3.70 3.75

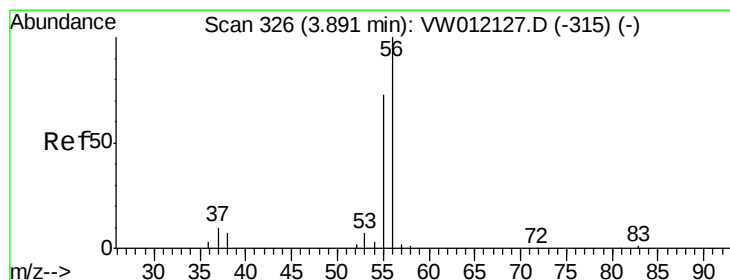
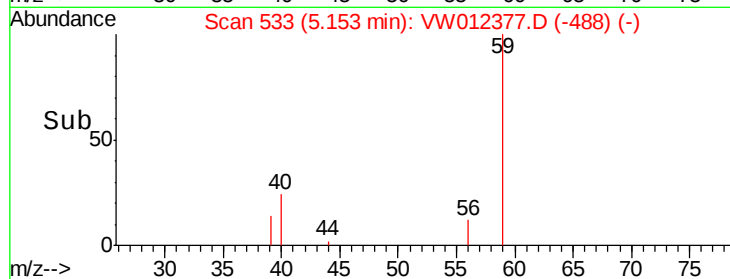
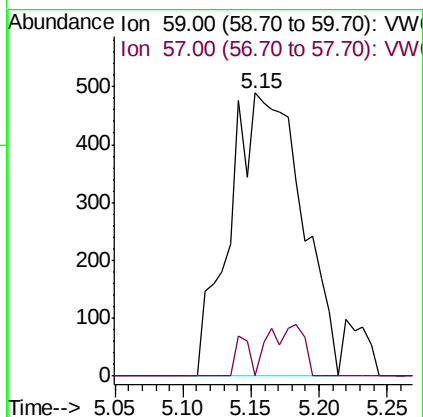
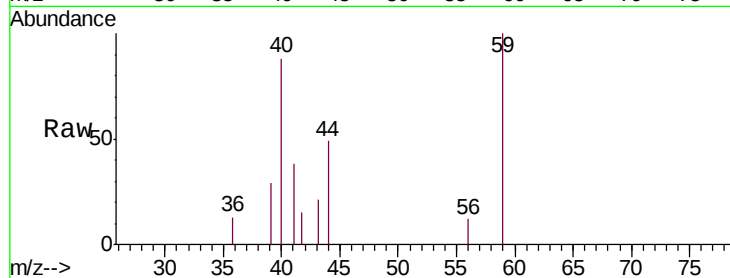




#11
Tert butyl alcohol
Concen: 13.105 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.02 min
Lab File: VW012377.D
Acq: 31 Aug 2019 04:13

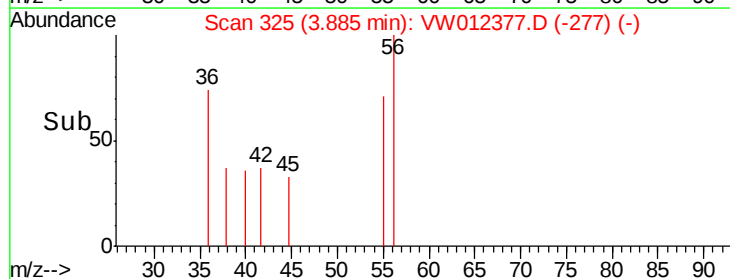
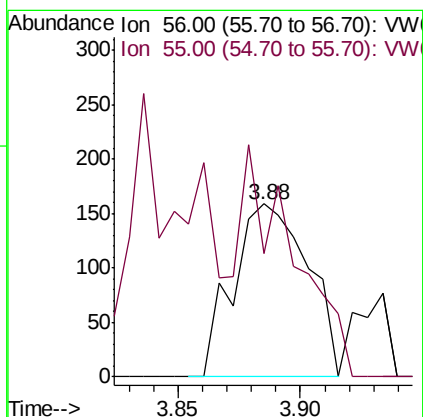
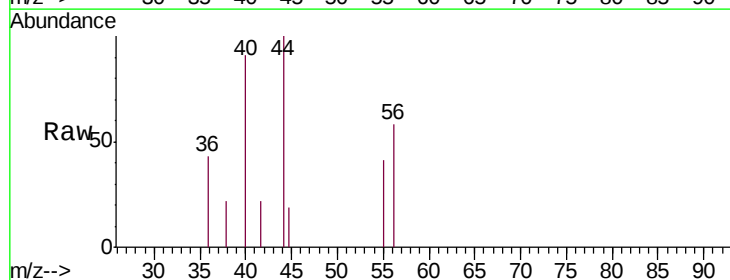
Instrument :
MSVOA_W
ClientSampled :
SB-02-20-22

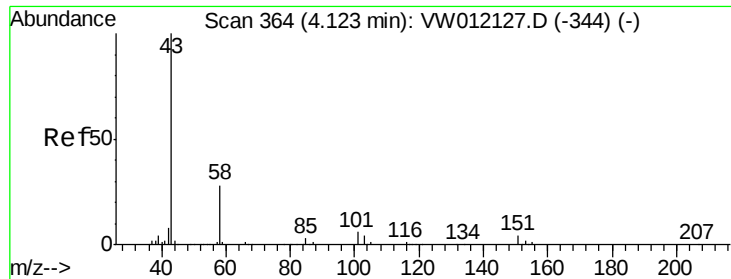
Tgt Ion: 59 Resp: 1811
Ion Ratio Lower Upper
59 100
57 2.7 9.0 13.4#



#13
Acrolein
Concen: 2.591 ug/l
RT: 3.88 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW012377.D
Acq: 31 Aug 2019 04:13

Tgt Ion: 56 Resp: 337
Ion Ratio Lower Upper
56 100
55 90.2 55.8 83.8#

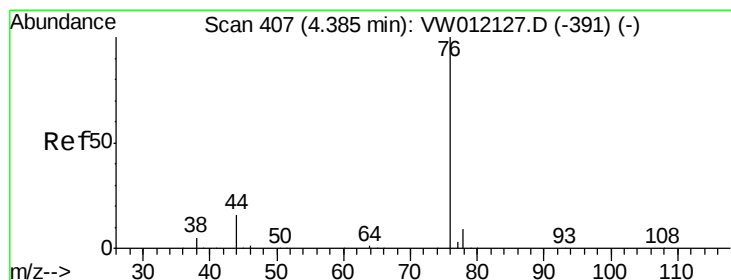
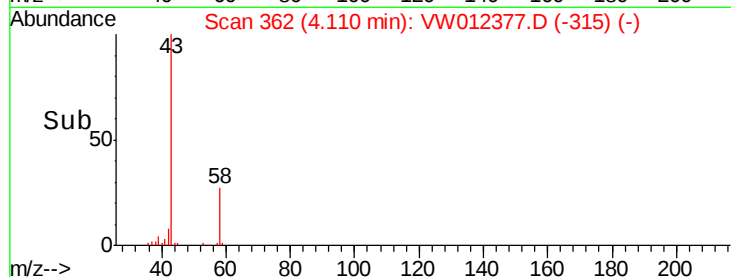
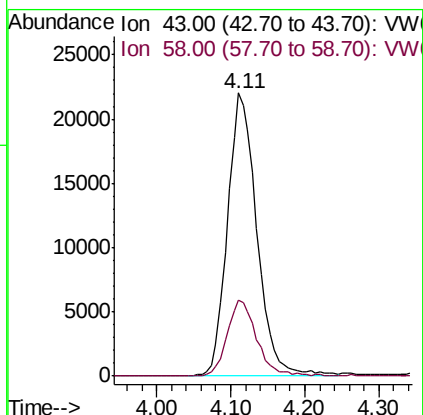
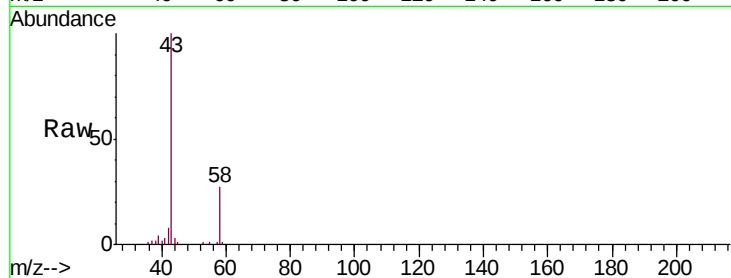




#16
Acetone
Concen: 103.765 ug/l
RT: 4.11 min Scan# 362
Delta R.T. -0.01 min
Lab File: VW012377.D
Acq: 31 Aug 2019 04:13

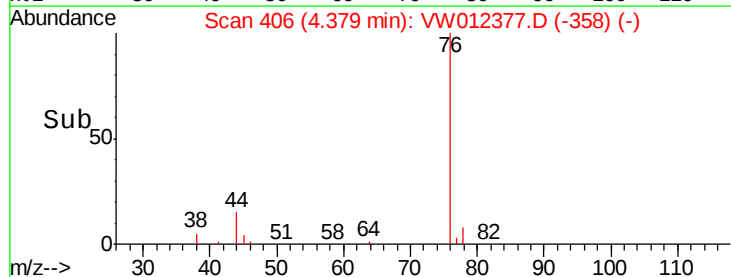
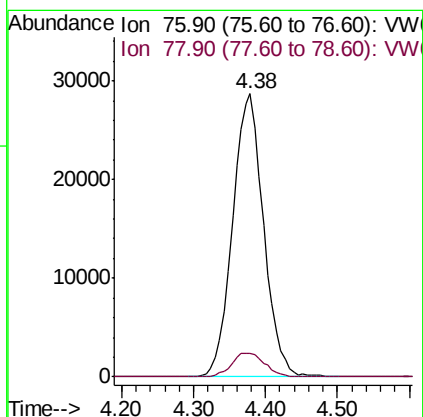
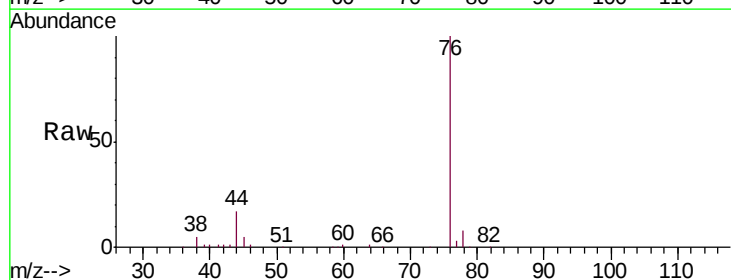
Instrument :
MSVOA_W
ClientSampleId :
SB-02-20-22

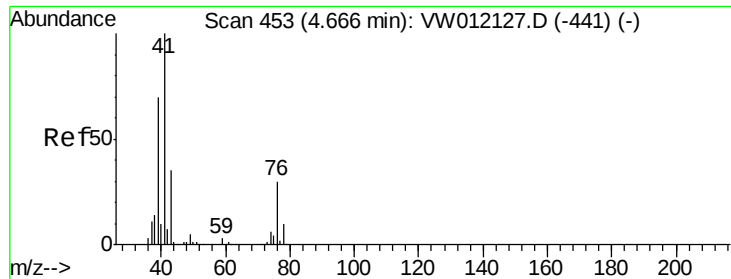
Tgt Ion: 43 Resp: 60911
Ion Ratio Lower Upper
43 100
58 26.8 22.4 33.6



#17
Carbon Disulfide
Concen: 14.628 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW012377.D
Acq: 31 Aug 2019 04:13

Tgt Ion: 76 Resp: 85662
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9

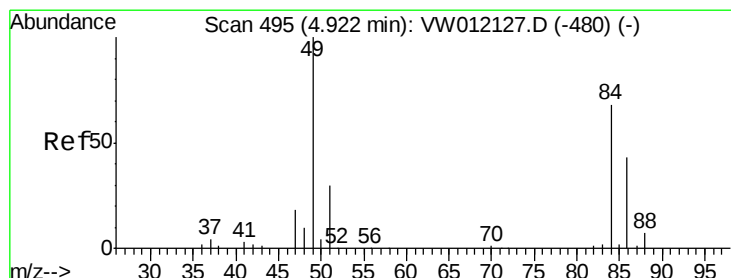
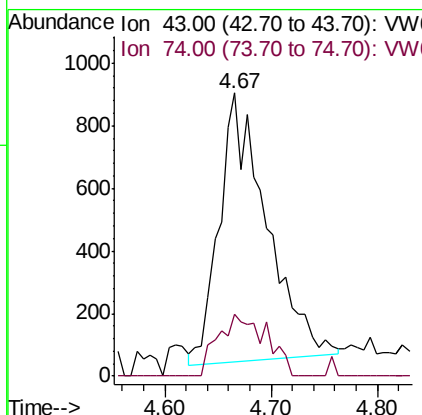
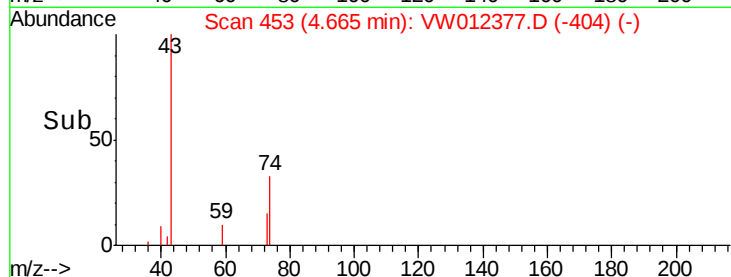
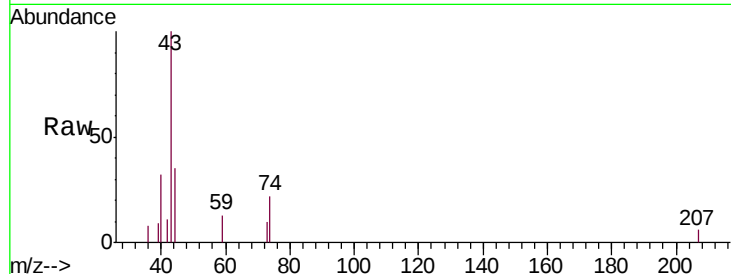




#18
Methyl Acetate
Concen: 1.819 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW012377.D
Acq: 31 Aug 2019 04:13

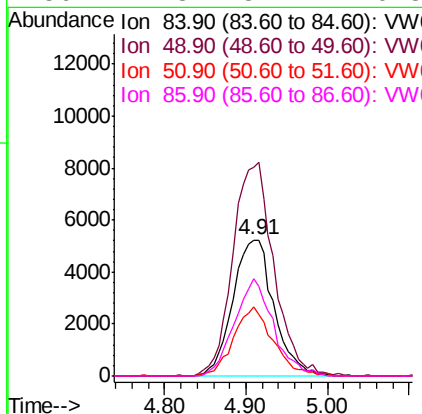
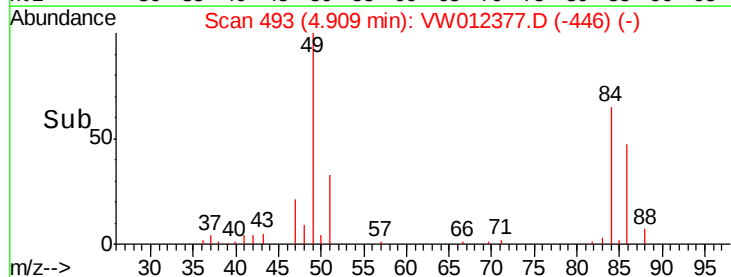
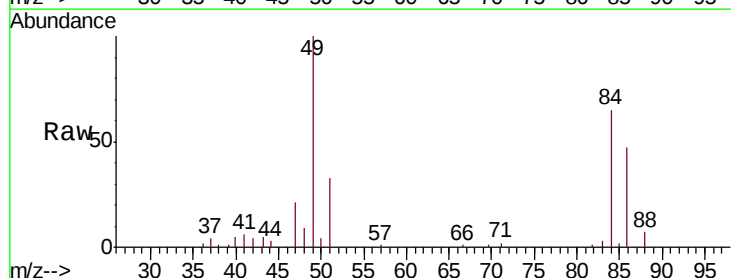
Instrument :
MSVOA_W
ClientSampleId :
SB-02-20-22

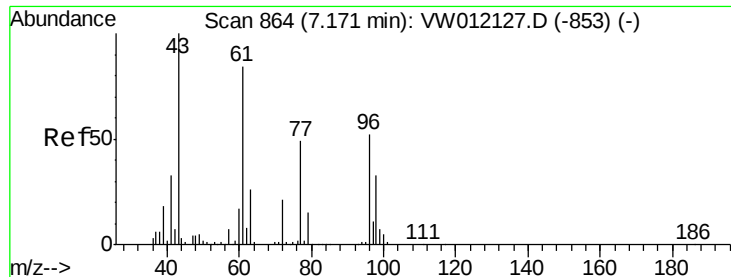
Tgt Ion: 43 Resp: 2645
Ion Ratio Lower Upper
43 100
74 23.6 15.7 23.5#



#20
Methylene Chloride
Concen: 8.238 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012377.D
Acq: 31 Aug 2019 04:13

Tgt Ion: 84 Resp: 18282
Ion Ratio Lower Upper
84 100
49 153.1 117.8 176.8
51 50.9 35.6 53.4
86 71.3 51.2 76.8





#25

2-Butanone

Concen: 10.022 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW012377.D

Acq: 31 Aug 2019 04:13

Instrument :

MSVOA_W

ClientSampleId :

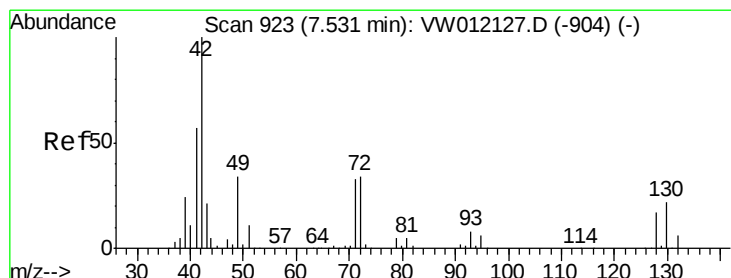
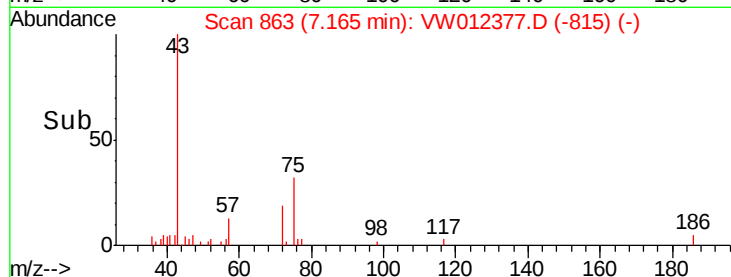
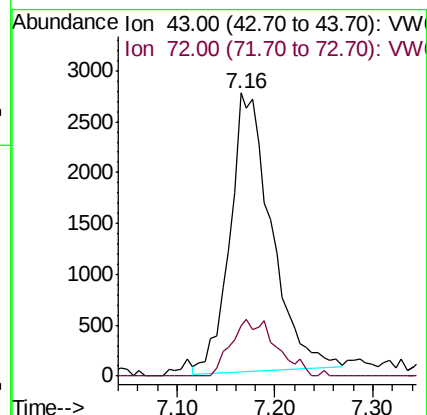
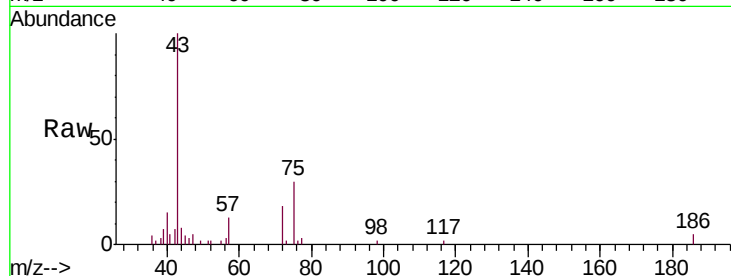
SB-02-20-22

Tgt Ion: 43 Resp: 7994

Ion Ratio Lower Upper

43 100

72 18.4 16.6 24.8



#29

Tetrahydrofuran

Concen: 7.155 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW012377.D

Acq: 31 Aug 2019 04:13

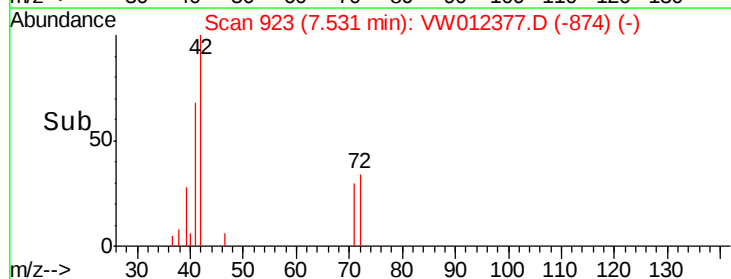
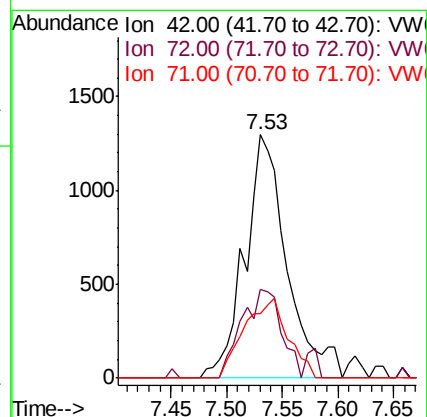
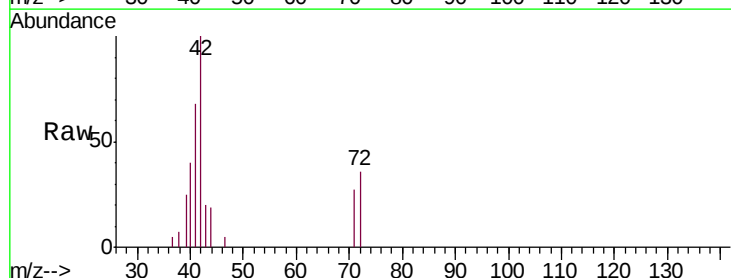
Tgt Ion: 42 Resp: 3424

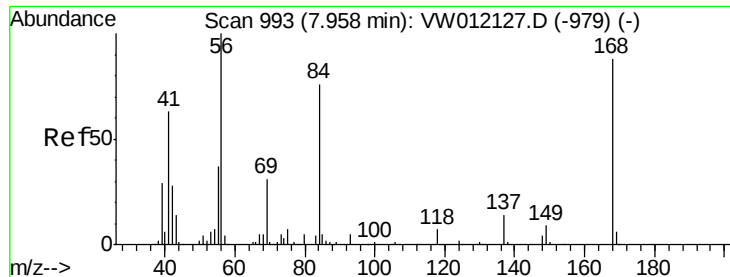
Ion Ratio Lower Upper

42 100

72 34.2 27.3 40.9

71 33.9 25.5 38.3

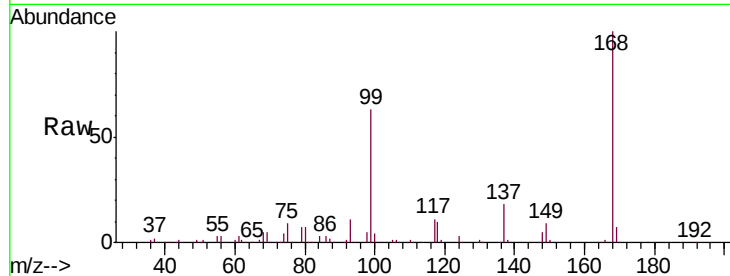




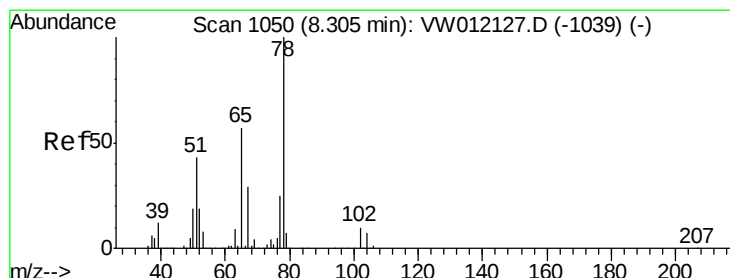
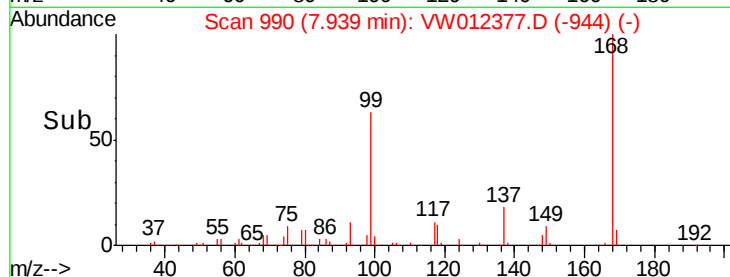
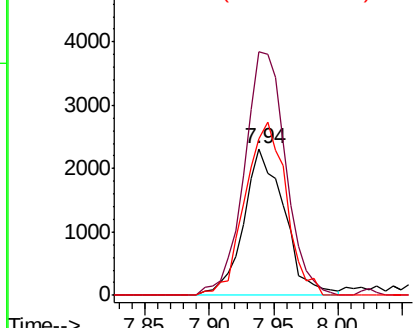
#31
Cyclohexane
Concen: 1.218 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012377.D
Acq: 31 Aug 2019 04:13

Instrument :
MSVOA_W
ClientSampleId :
SB-02-20-22

Tgt Ion: 56 Resp: 5037
Ion Ratio Lower Upper
56 100
69 166.2 24.9 37.3#
84 106.8 60.6 90.8#

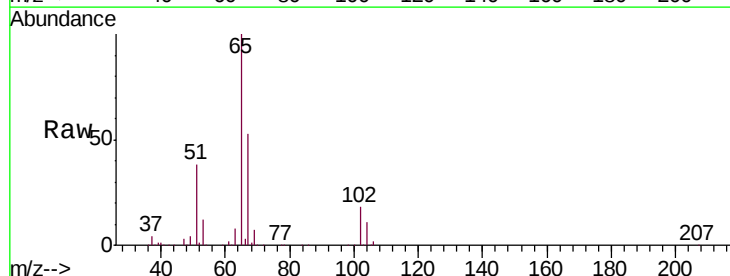


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

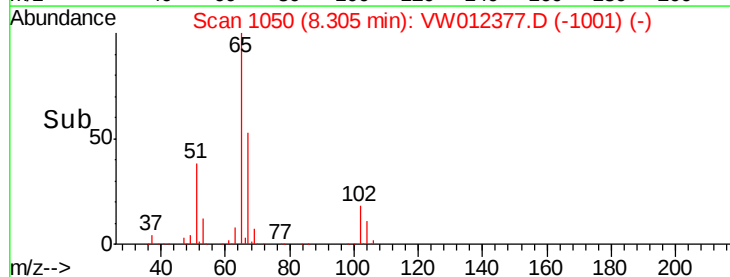
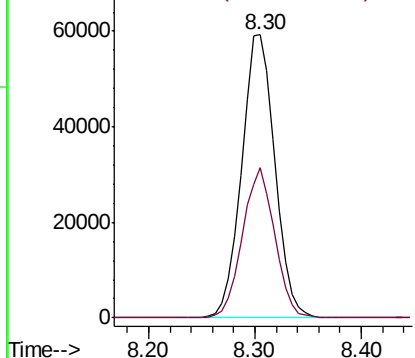


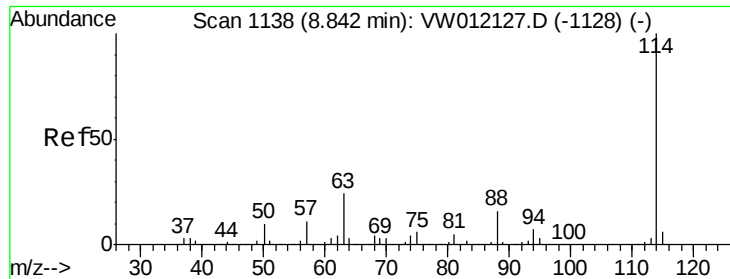
#33
1,2-Dichloroethane-d4
Concen: 56.689 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012377.D
Acq: 31 Aug 2019 04:13

Tgt Ion: 65 Resp: 130181
Ion Ratio Lower Upper
65 100
67 51.5 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

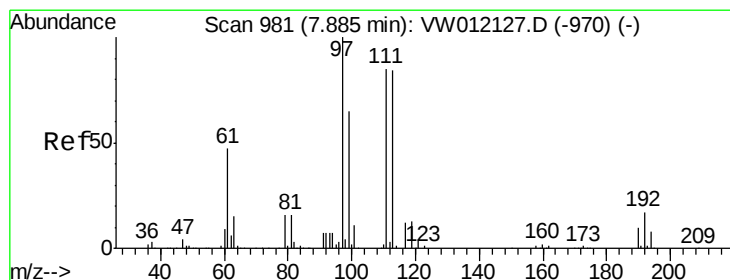
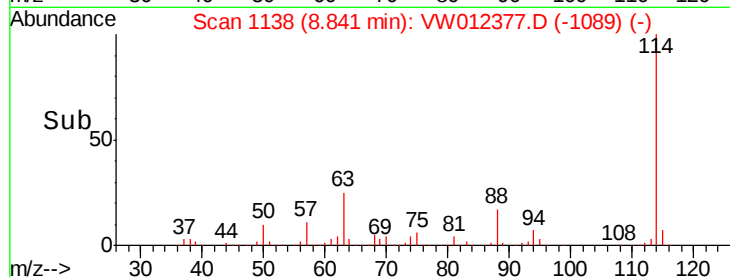
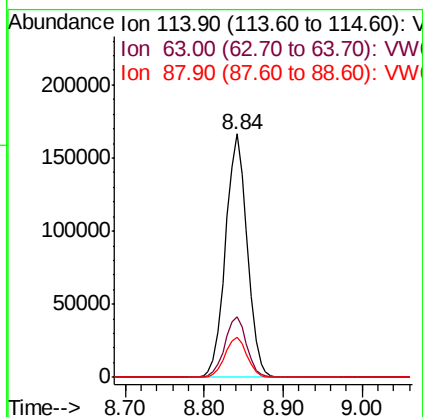
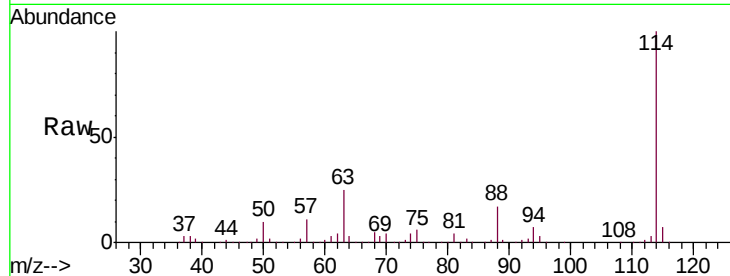




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012377.D
 Acq: 31 Aug 2019 04:13

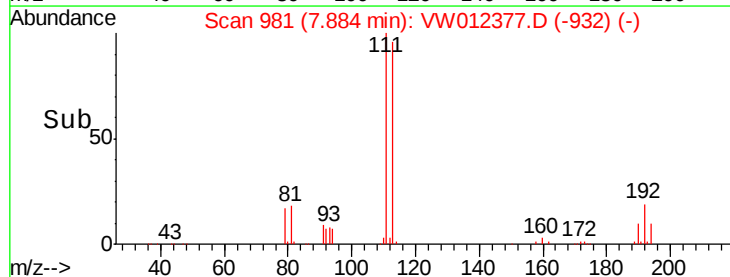
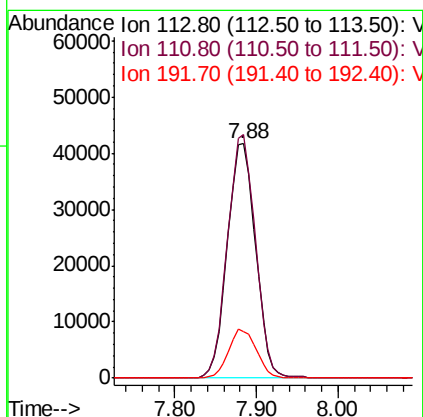
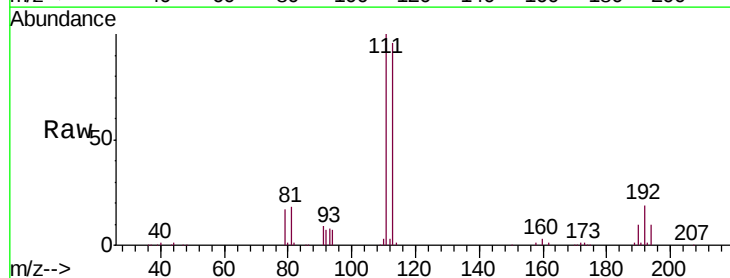
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-02-20-22

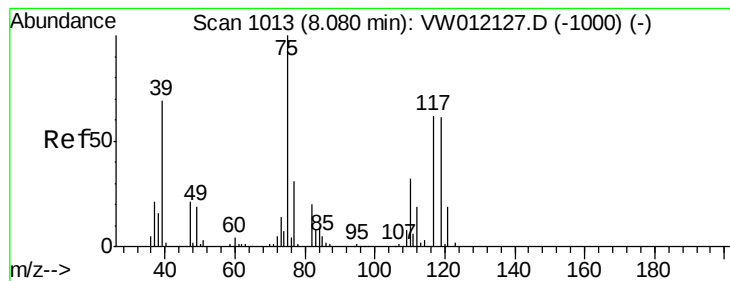
Tgt Ion:114 Resp: 317238
 Ion Ratio Lower Upper
 114 100
 63 24.9 0.0 48.6
 88 16.6 0.0 32.2



#35
 Dibromofluoromethane
 Concen: 52.685 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012377.D
 Acq: 31 Aug 2019 04:13

Tgt Ion:113 Resp: 99764
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.7 124.1
 192 20.6 16.2 24.2





#36

1,1-Dichloropropene

Concen: 5.062 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012377.D

Acq: 31 Aug 2019 04:13

Instrument :

MSVOA_W

ClientSampleId :

SB-02-20-22

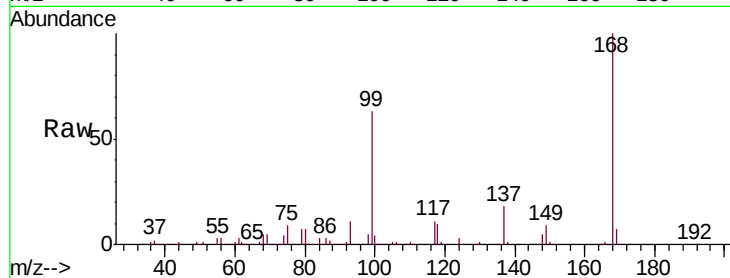
Tgt Ion: 75 Resp: 16596

Ion Ratio Lower Upper

75 100

110 8.5 15.6 46.8#

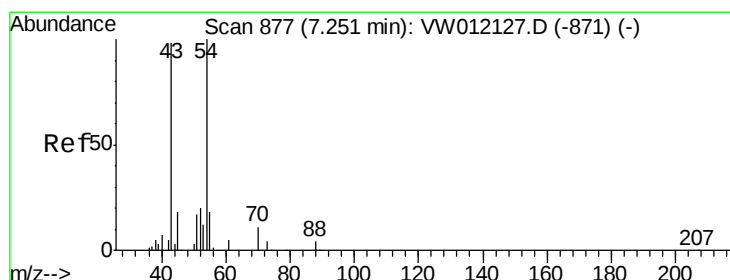
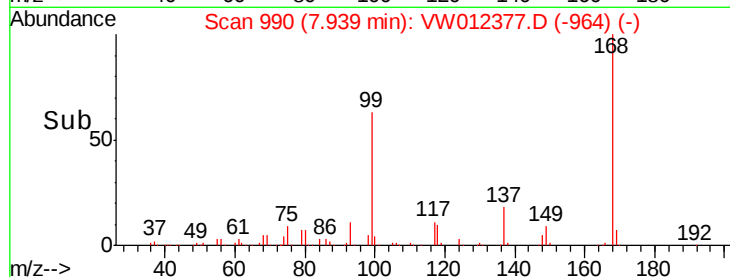
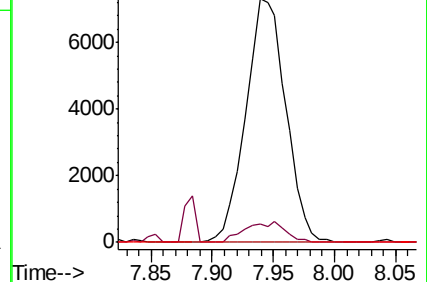
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): VW

Ion 76.90 (76.60 to 77.60): VW



#37

Ethyl Acetate

Concen: 4.450 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.09 min

Lab File: VW012377.D

Acq: 31 Aug 2019 04:13

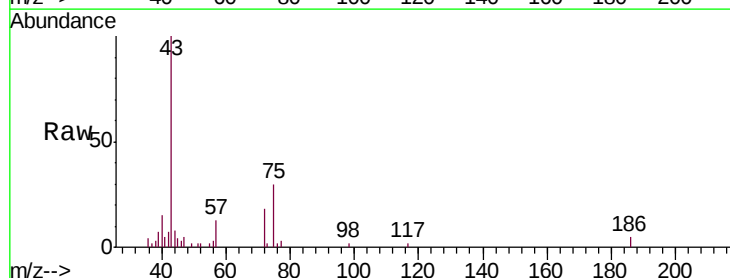
Tgt Ion: 43 Resp: 7994

Ion Ratio Lower Upper

43 100

61 0.0 9.2 13.8#

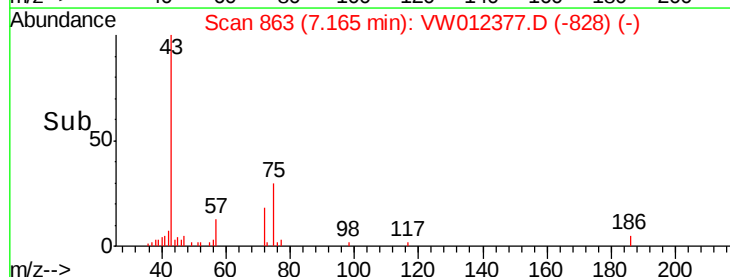
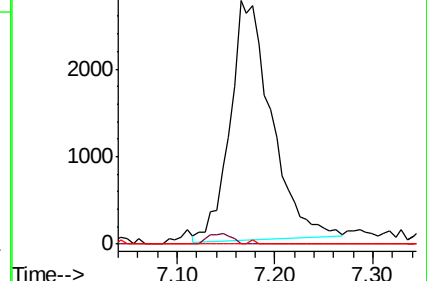
70 0.2 6.9 10.3#

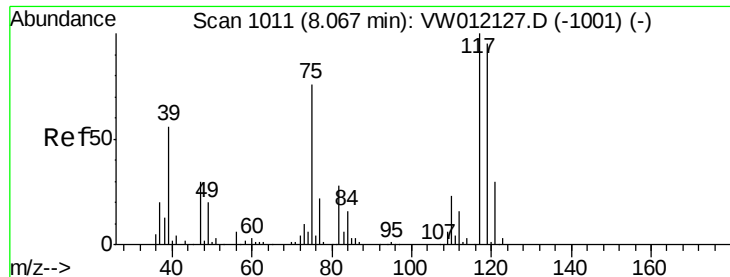


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW

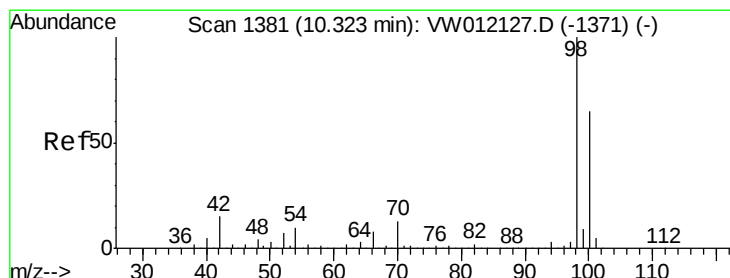
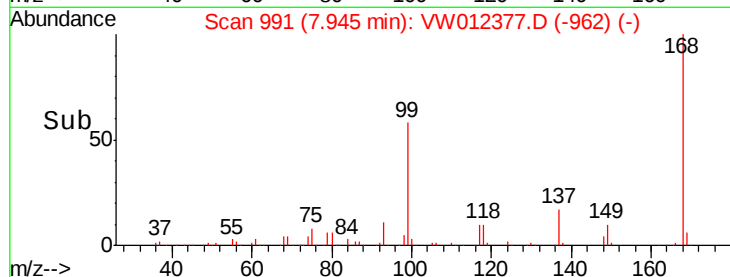
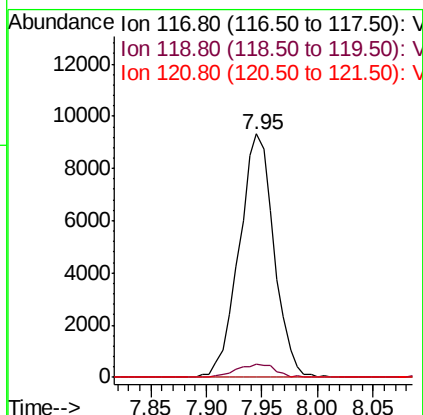
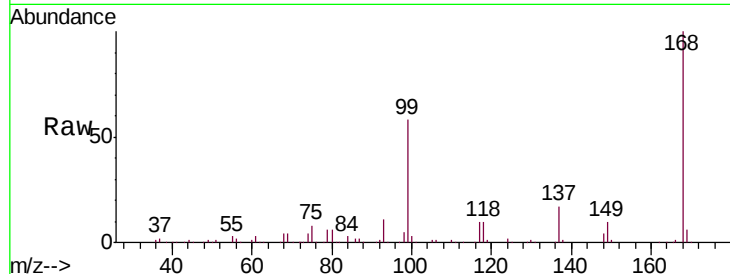




#38
Carbon Tetrachloride
Concen: 7.117 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW012377.D
Acq: 31 Aug 2019 04:13

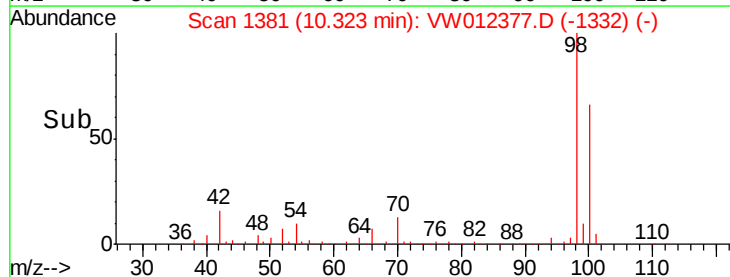
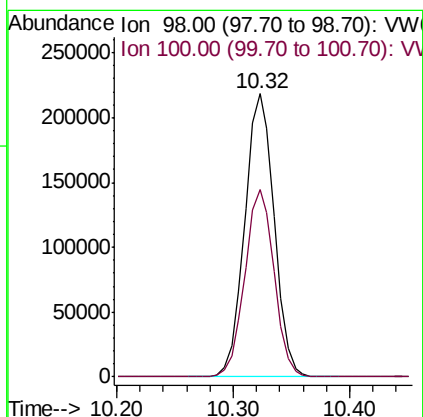
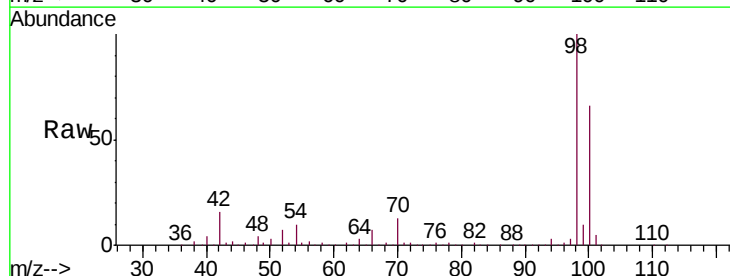
Instrument :
MSVOA_W
ClientSampleId :
SB-02-20-22

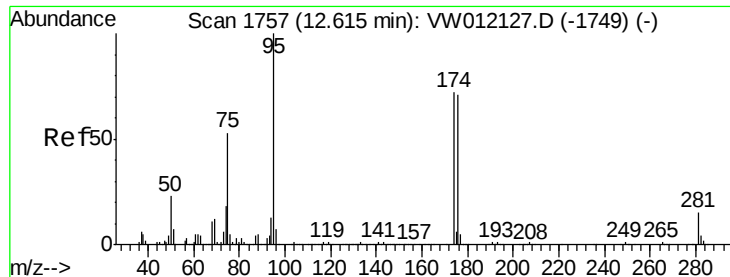
Tgt Ion: 117 Resp: 20195
Ion Ratio Lower Upper
117 100
119 5.7 76.2 114.2#
121 0.0 23.8 35.8#



#50
Toluene-d8
Concen: 50.118 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012377.D
Acq: 31 Aug 2019 04:13

Tgt Ion: 98 Resp: 384805
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 42.319 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012377.D

Acq: 31 Aug 2019 04:13

Instrument :

MSVOA_W

ClientSampleId :

SB-02-20-22

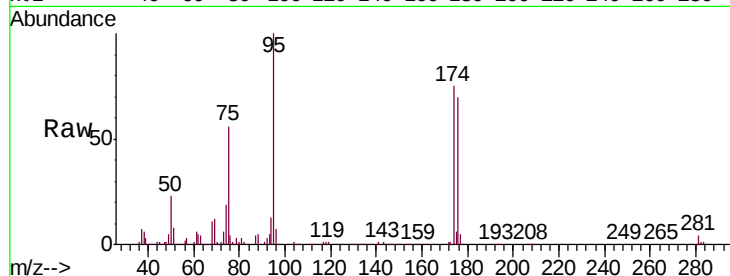
Tgt Ion: 95 Resp: 114536

Ion Ratio Lower Upper

95 100

174 77.6 0.0 150.8

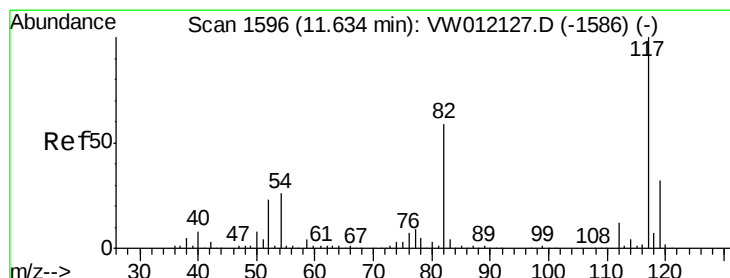
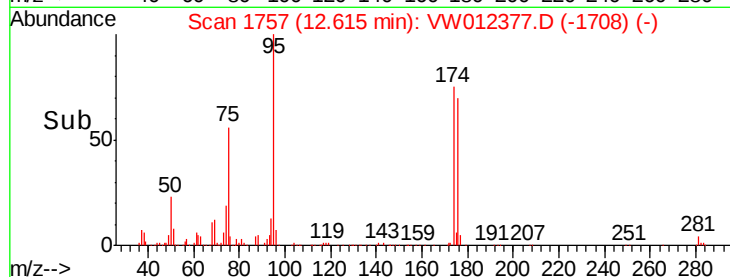
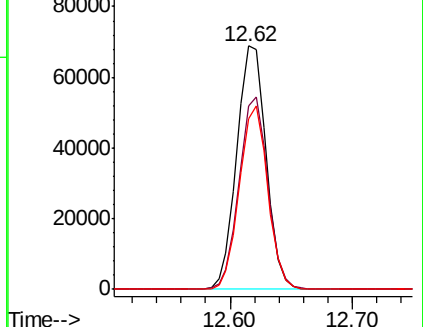
176 73.0 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW012377.D

Acq: 31 Aug 2019 04:13

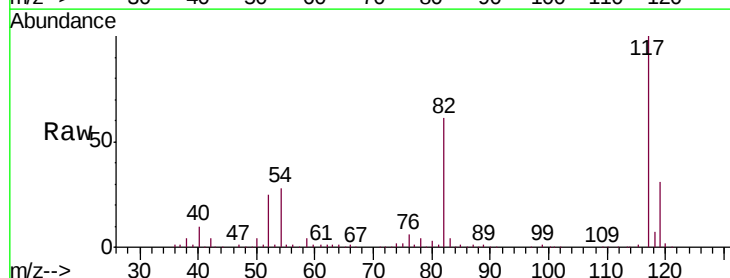
Tgt Ion: 117 Resp: 257052

Ion Ratio Lower Upper

117 100

82 60.7 47.4 71.2

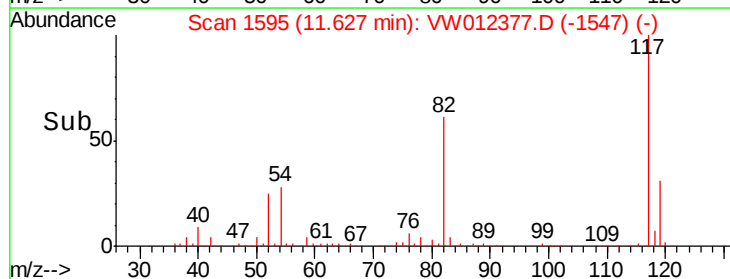
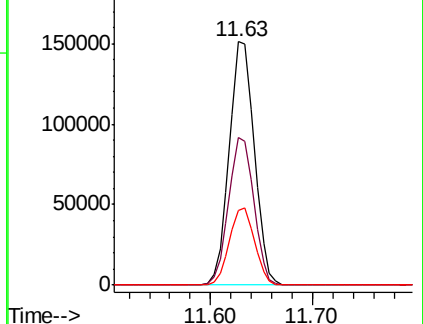
119 30.9 25.4 38.2

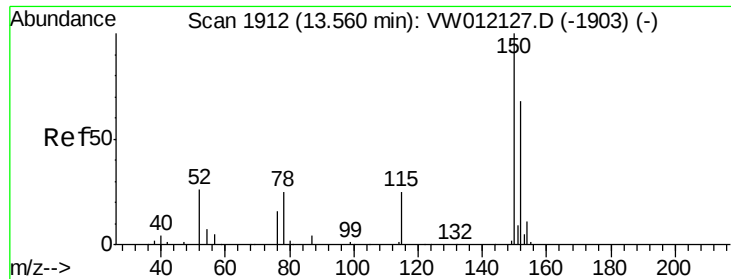


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012377.D

Acq: 31 Aug 2019 04:13

Instrument :

MSVOA_W

ClientSampleId :

SB-02-20-22

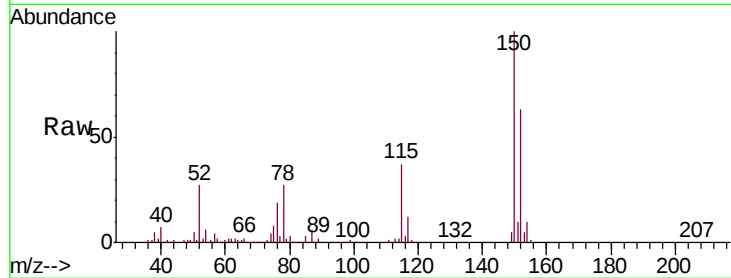
Tgt Ion:152 Resp: 90969

Ion Ratio Lower Upper

152 100

115 61.3 30.1 90.3

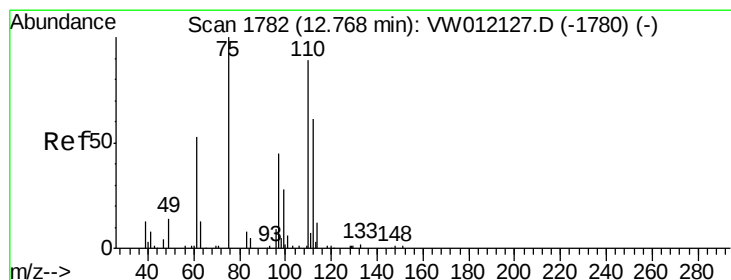
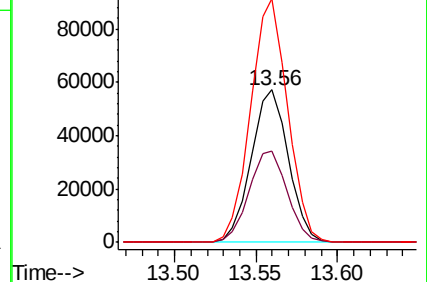
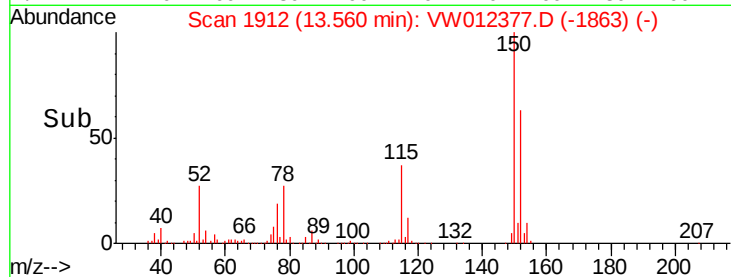
150 158.8 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 71.586 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012377.D

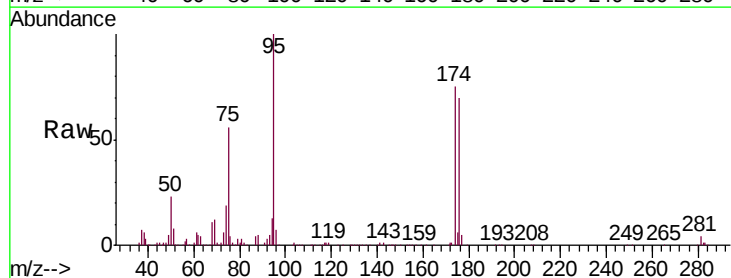
Acq: 31 Aug 2019 04:13

Tgt Ion: 75 Resp: 63423

Ion Ratio Lower Upper

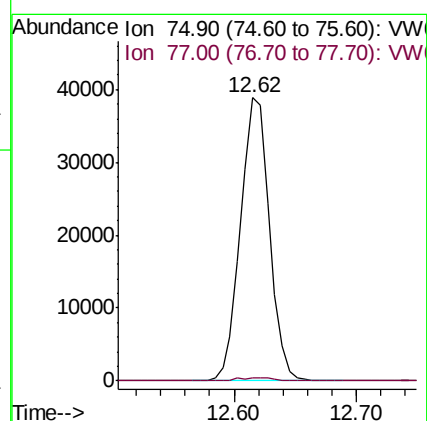
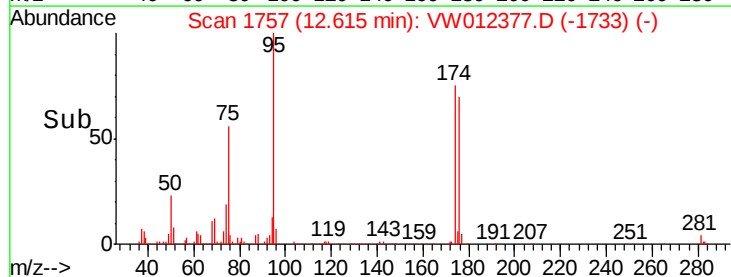
75 100

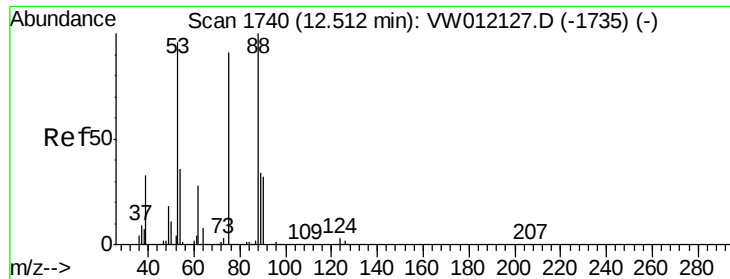
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

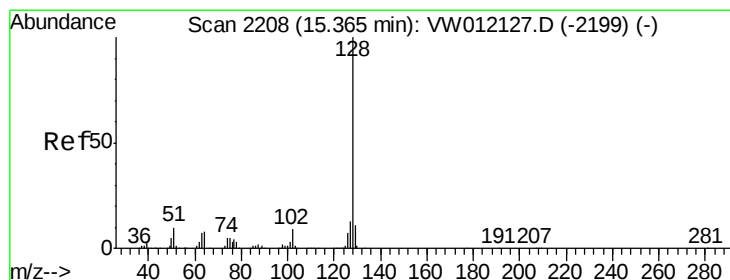
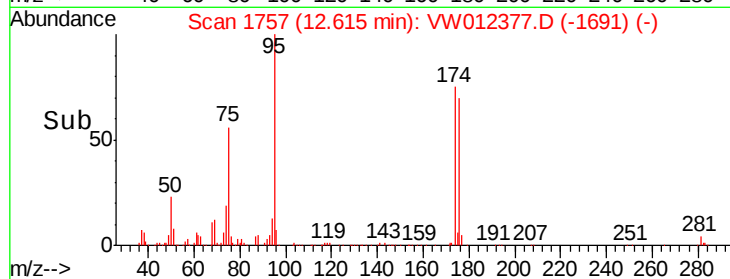
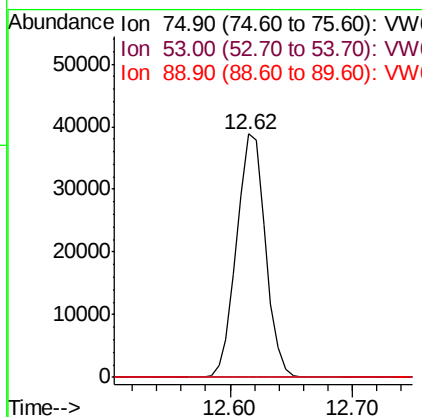
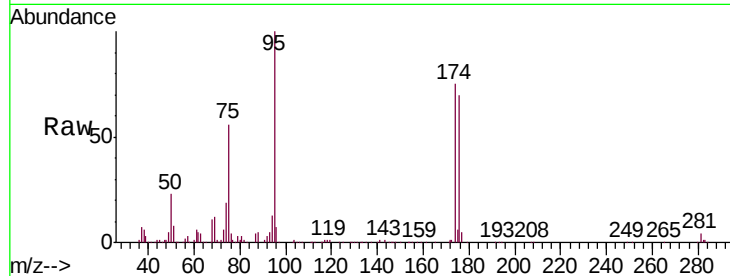




#81
trans-1,4-Dichloro-2-butene
Concen: 156.954 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW012377.D
Acq: 31 Aug 2019 04:13

Instrument :
MSVOA_W
ClientSampleId :
SB-02-20-22

Tgt Ion: 75 Resp: 63423
Ion Ratio Lower Upper
75 100
53 0.3 89.4 134.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.451 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW012377.D
Acq: 31 Aug 2019 04:13

Tgt Ion: 128 Resp: 487
Ion Ratio Lower Upper
128 100
127 4.1 10.7 16.1#
129 14.2 8.7 13.1#

