

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
 Data File : VW014532.D
 Acq On : 06 Jan 2020 18:59
 Operator : SY/VA
 Sample : K6476-04RE
 Misc : 7.17G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 07 02:43:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	457998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	729407	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	541505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	183837	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	301518	75.30	ug/l	0.00
Spiked Amount			Recovery	=	150.60%	
35) Dibromofluoromethane	7.88	113	279970	67.16	ug/l	0.00
Spiked Amount			Recovery	=	134.32%	
50) Toluene-d8	10.32	98	951534	54.70	ug/l	0.00
Spiked Amount			Recovery	=	109.40%	
62) 4-Bromofluorobenzene	12.62	95	247503	41.94	ug/l	0.00
Spiked Amount			Recovery	=	83.88%	

Target Compounds

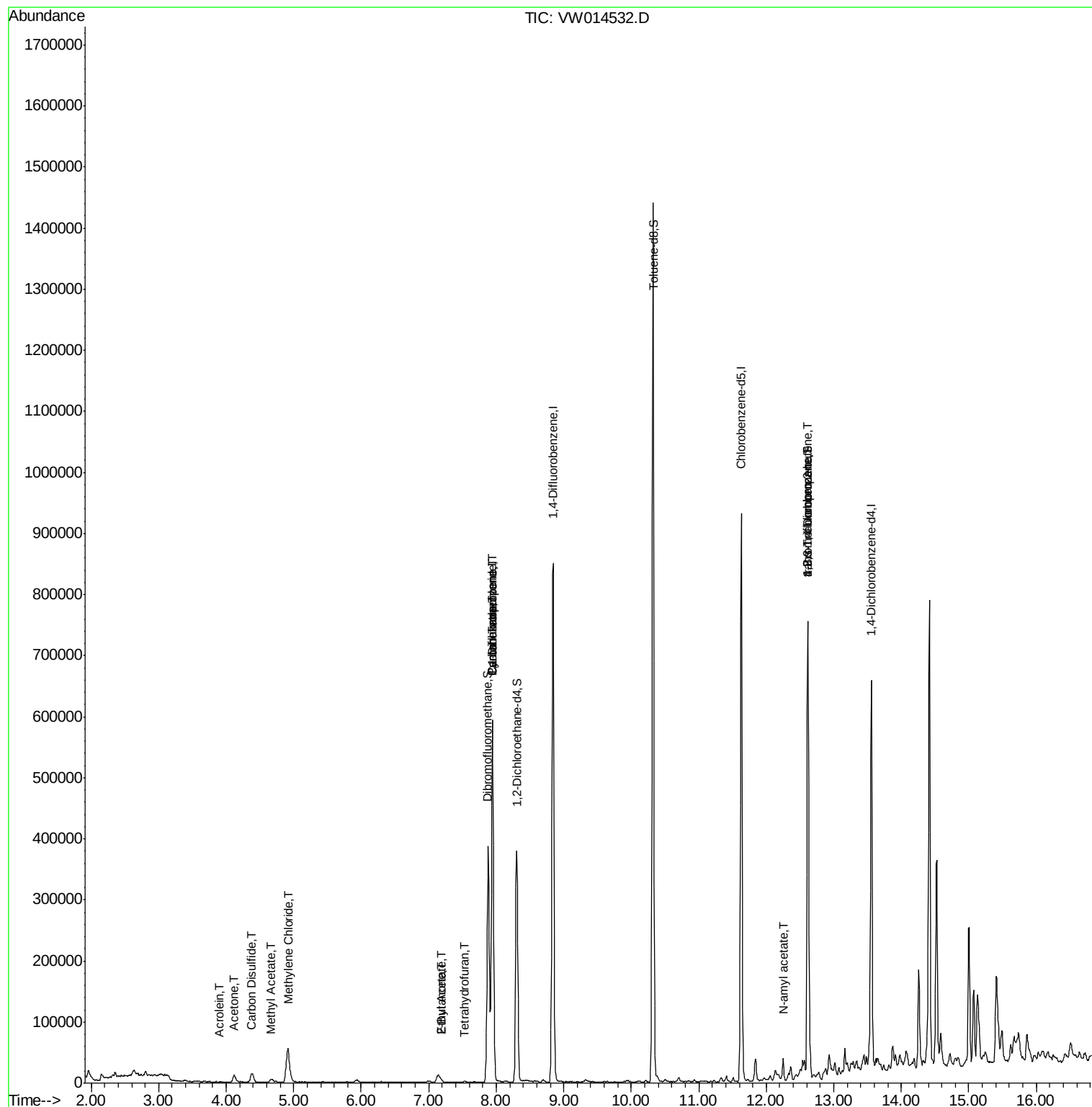
					Qvalue
11) Tert butyl alcohol	5.17	59	1040	Below Cal	# 73
13) Acrolein	3.89	56	458	1.310	ug/l # 34
16) Acetone	4.12	43	21486	19.002	ug/l # 98
17) Carbon Disulfide	4.38	76	30584	2.226	ug/l # 94
18) Methyl Acetate	4.67	43	10584	3.876	ug/l # 96
20) Methylene Chloride	4.92	84	46980	6.326	ug/l # 91
25) 2-Butanone	7.19	43	3513	2.421	ug/l # 91
29) Tetrahydrofuran	7.54	42	1149	1.278	ug/l # 61
31) Cyclohexane	7.94	56	9460	1.107	ug/l # 1
36) 1,1-Dichloropropene	7.95	75	34325	4.881	ug/l # 50
37) Ethyl Acetate	7.19	43	3513	1.102	ug/l # 68
38) Carbon Tetrachloride	7.95	117	42652	6.992	ug/l # 17
74) N-amyl acetate	12.25	43	7170	2.371	ug/l # 68
76) 1,2,3-Trichloropropane	12.62	75	119821	68.936	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.62	75	119821	153.592	ug/l # 15

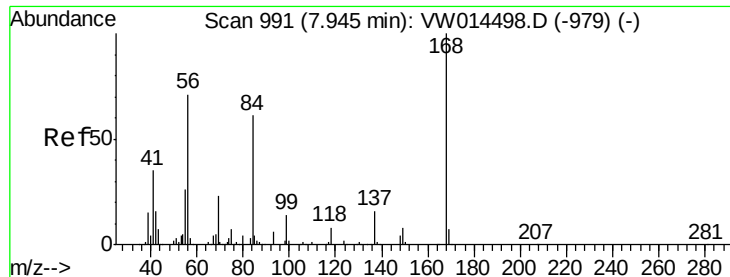
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW010620\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW014532.D

Acq: 06 Jan 2020 18:59

Instrument :

MSVOA_W

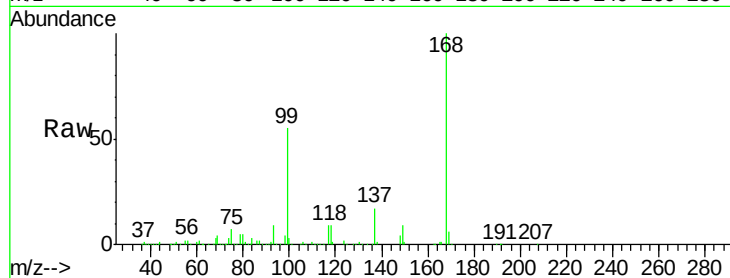
ClientSampled :

Tgt Ion:168 Resp: 457998

Ion Ratio Lower Upper

168 100

99 54.5 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

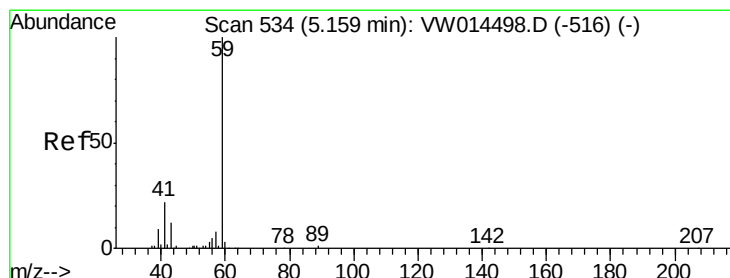
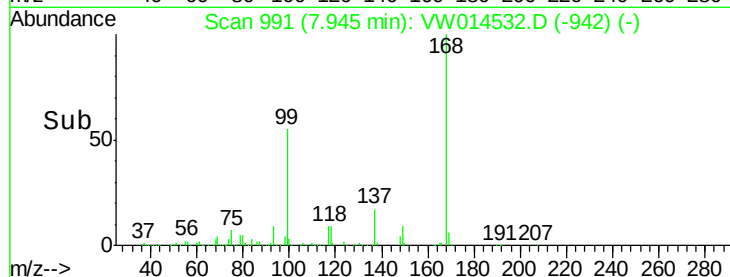
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.17 min Scan# 535

Delta R.T. 0.01 min

Lab File: VW014532.D

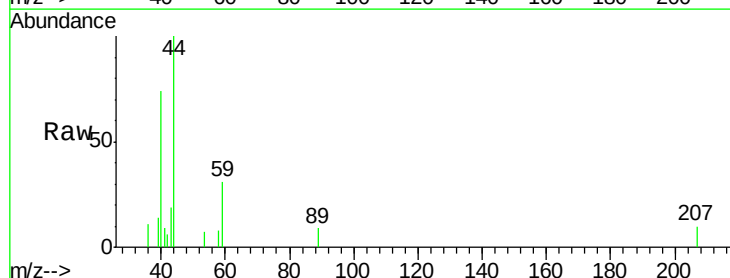
Acq: 06 Jan 2020 18:59

Tgt Ion: 59 Resp: 1040

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.17

300

250

200

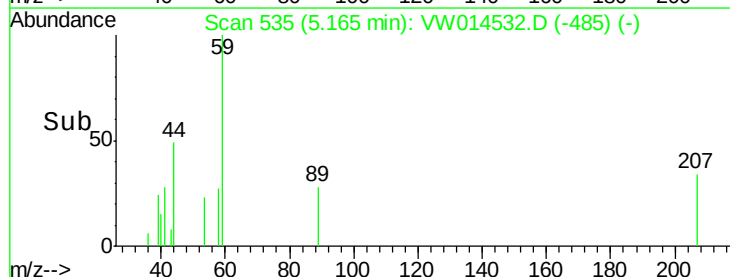
150

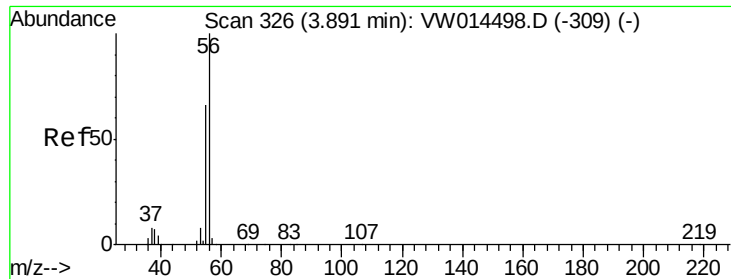
100

50

0

Time-->

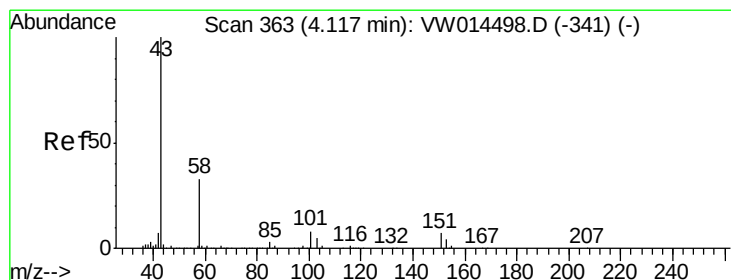
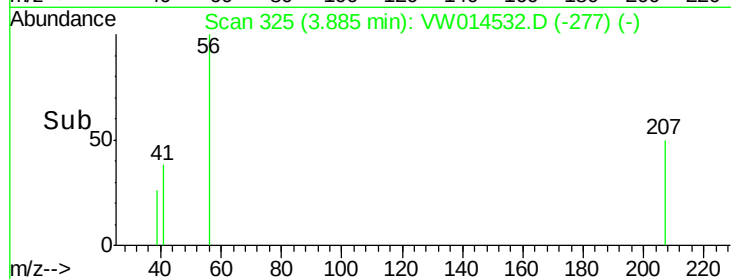
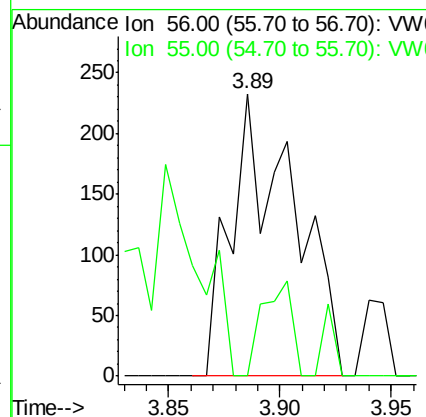
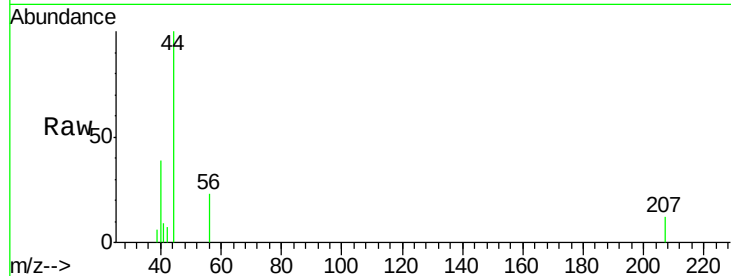




#13
Acrolein
Concen: 1.310 ug/l
RT: 3.89 min Scan# 325
Delta R.T. -0.01 min
Lab File: VW014532.D
Acq: 06 Jan 2020 18:59

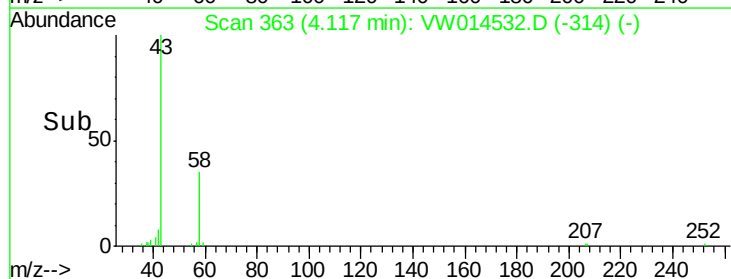
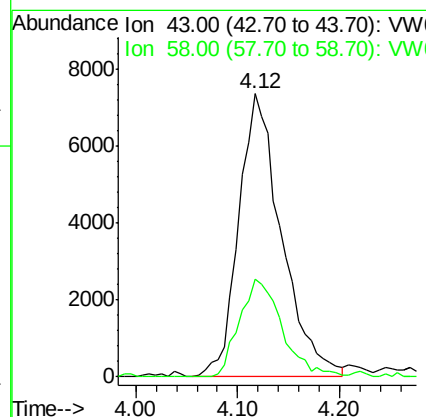
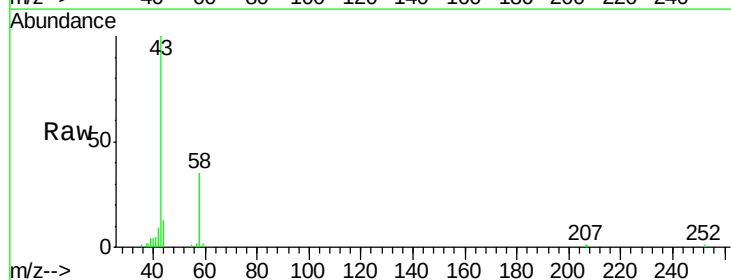
Instrument :
MSVOA_W
ClientSampleId :

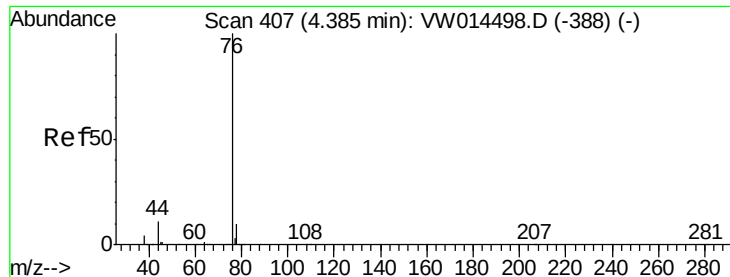
Tgt Ion: 56 Resp: 458
Ion Ratio Lower Upper
56 100
55 16.2 56.7 85.1#



#16
Acetone
Concen: 19.002 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW014532.D
Acq: 06 Jan 2020 18:59

Tgt Ion: 43 Resp: 21486
Ion Ratio Lower Upper
43 100
58 34.5 26.6 39.8





#17

Carbon Disulfide

Concen: 2.226 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014532.D

Acq: 06 Jan 2020 18:59

Instrument :

MSVOA_W

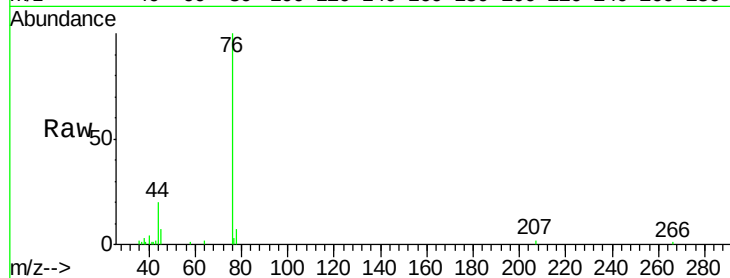
ClientSampled :

Tgt Ion: 76 Resp: 30584

Ion Ratio Lower Upper

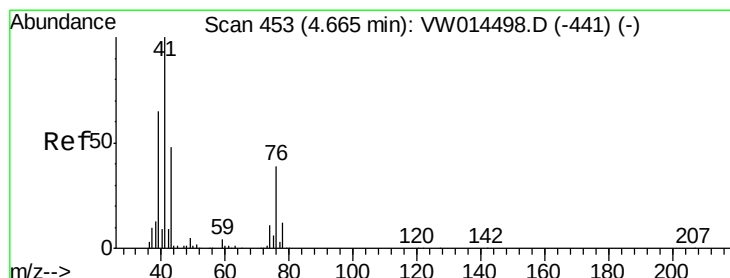
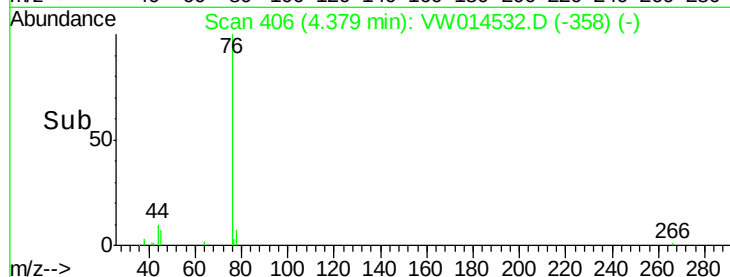
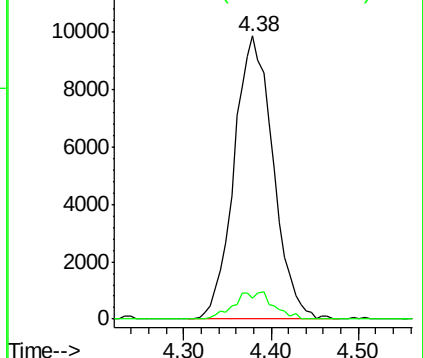
76 100

78 7.5 7.8 11.6#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 3.876 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW014532.D

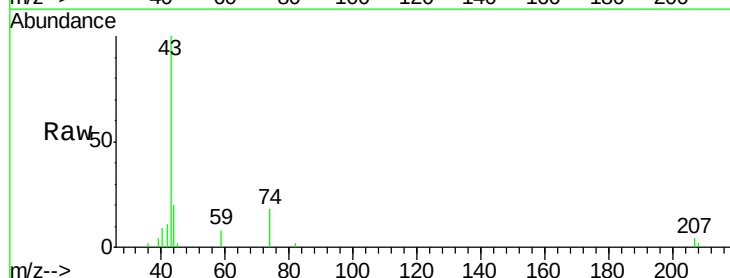
Acq: 06 Jan 2020 18:59

Tgt Ion: 43 Resp: 10584

Ion Ratio Lower Upper

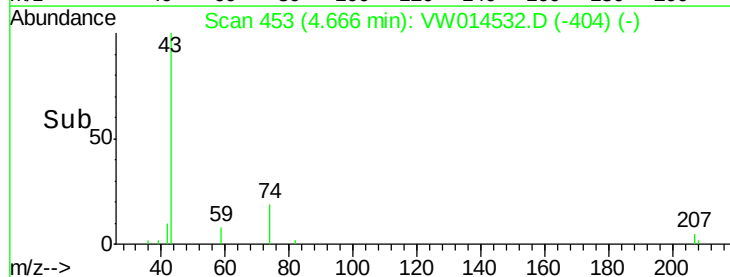
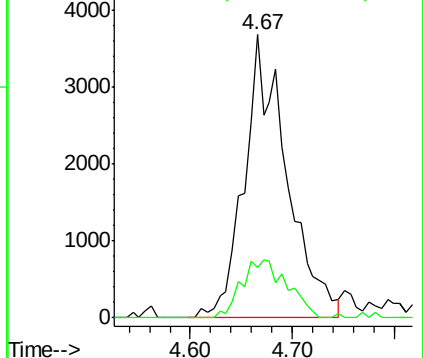
43 100

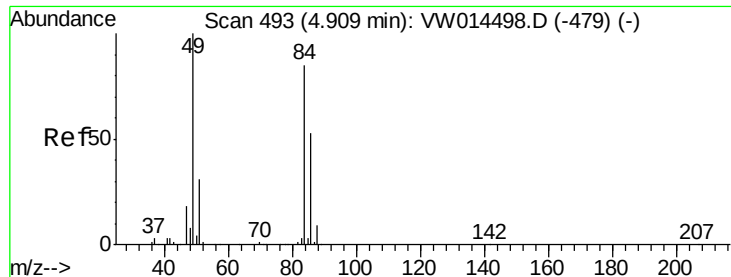
74 22.1 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

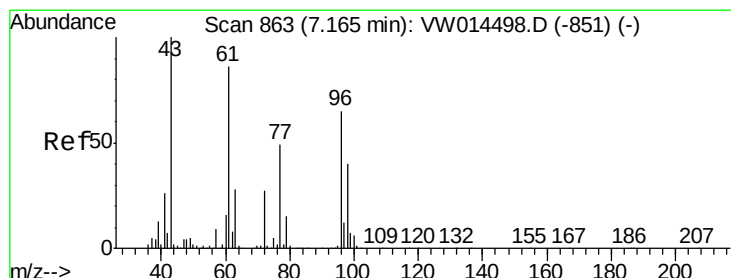
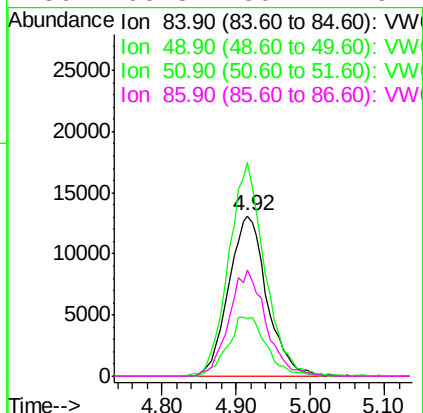
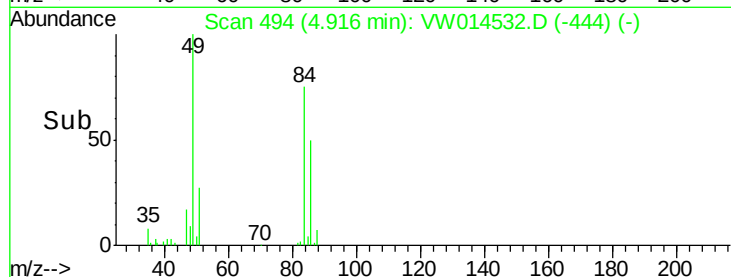
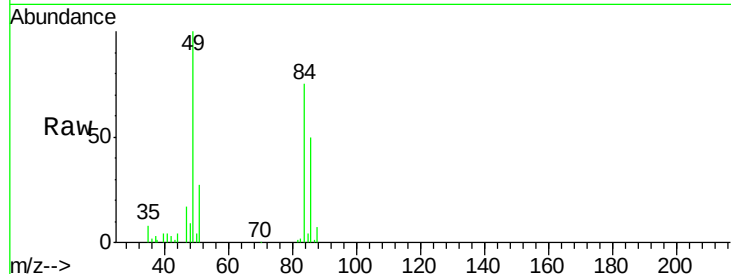




#20
Methylene Chloride
Concen: 6.326 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014532.D
Acq: 06 Jan 2020 18:59

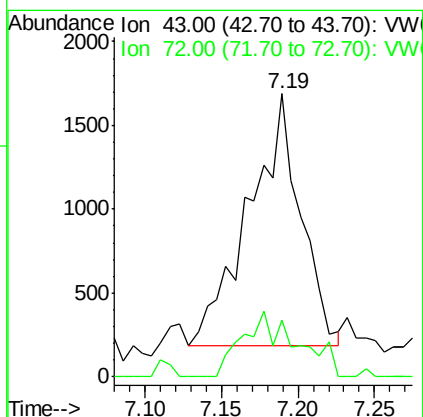
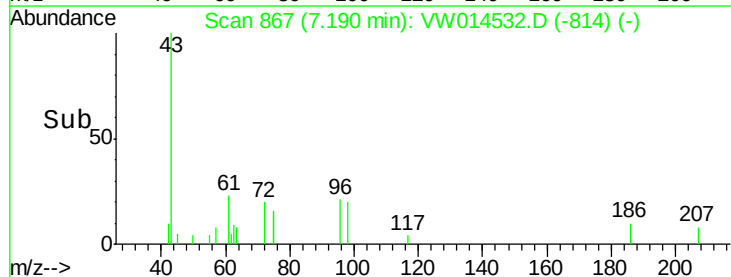
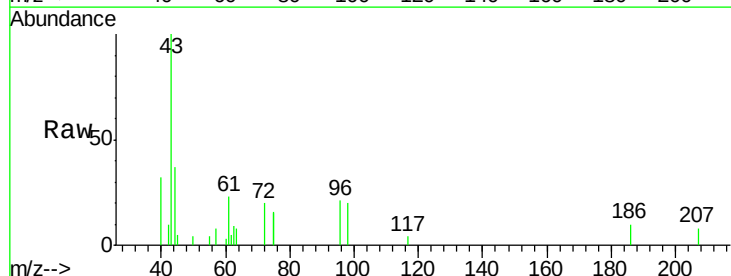
Instrument :
MSVOA_W
ClientSampled :

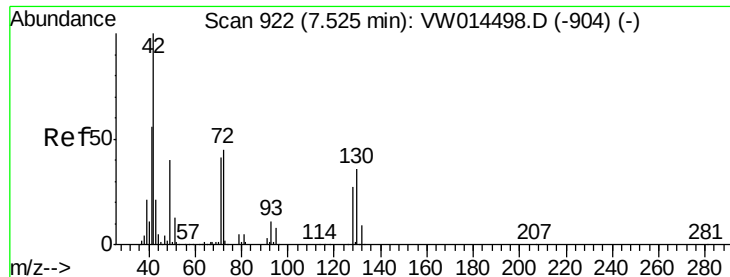
Tgt Ion:	84	Resp:	46980
Ion	Ratio	Lower	Upper
84	100		
49	132.5	94.4	141.6
51	36.1	29.5	44.3
86	66.3	50.2	75.2



#25
2-Butanone
Concen: 2.421 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW014532.D
Acq: 06 Jan 2020 18:59

Tgt Ion:	43	Resp:	3513
Ion	Ratio	Lower	Upper
43	100		
72	22.5	21.9	32.9

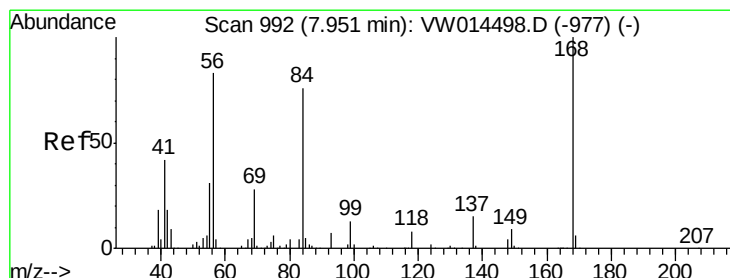
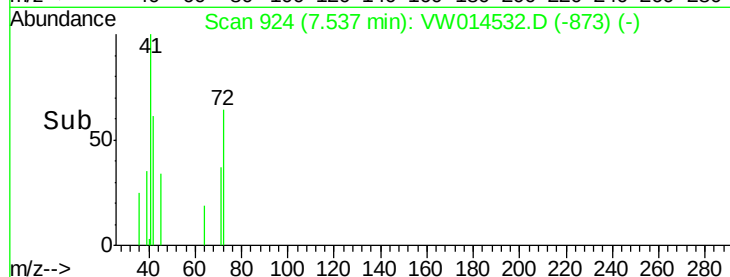
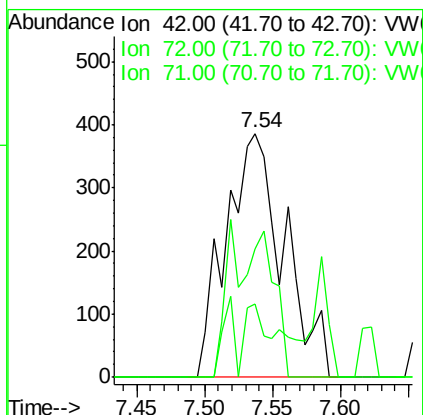
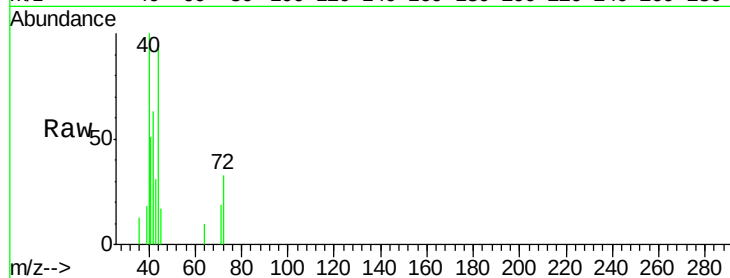




#29
Tetrahydrofuran
Concen: 1.278 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW014532.D
Acq: 06 Jan 2020 18:59

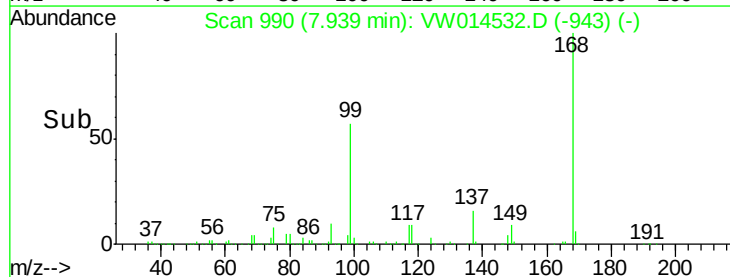
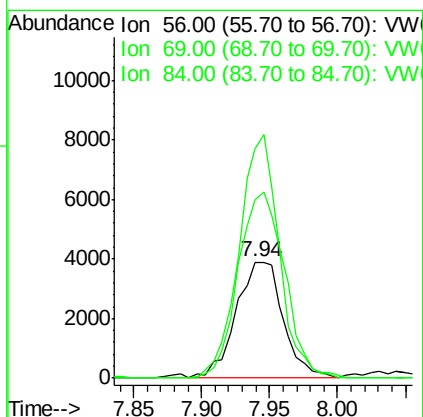
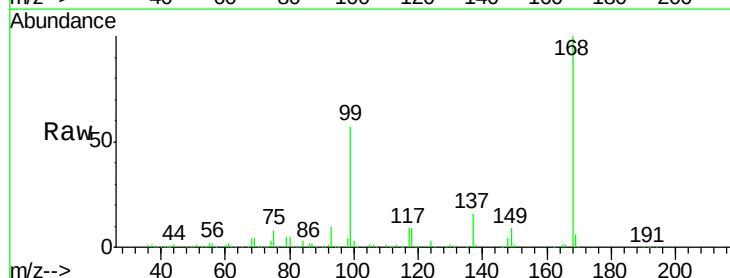
Instrument :
MSVOA_W
ClientSampled :

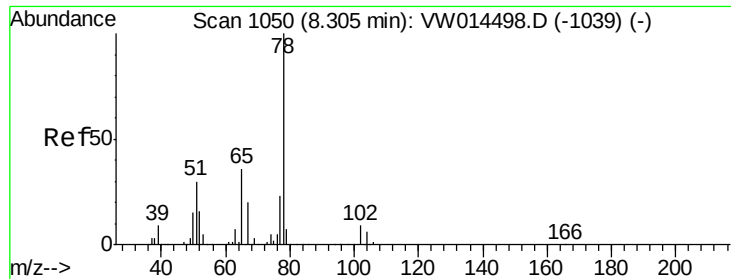
Tgt Ion: 42 Resp: 1149
Ion Ratio Lower Upper
42 100
72 23.2 34.5 51.7#
71 11.2 32.0 48.0#



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW014532.D
Acq: 06 Jan 2020 18:59

Tgt Ion: 56 Resp: 9460
Ion Ratio Lower Upper
56 100
69 198.6 26.8 40.2#
84 154.5 71.8 107.6#

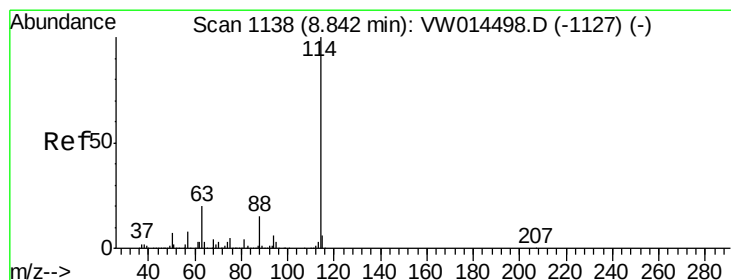
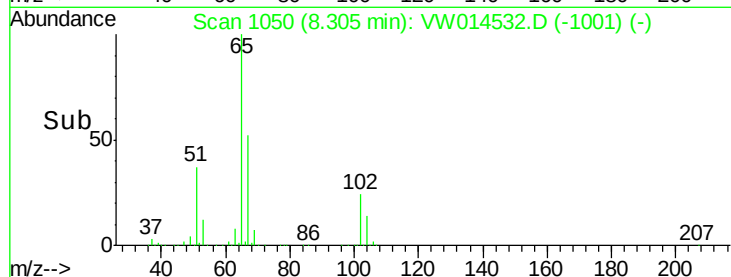
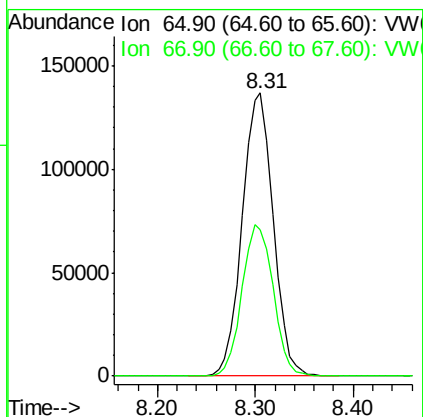
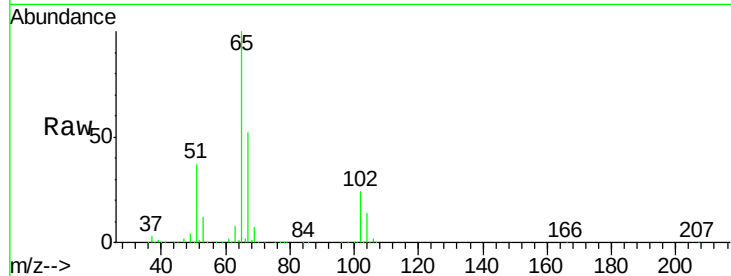




#33
 1,2-Dichloroethane-d4
 Concen: 75.298 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW014532.D
 Acq: 06 Jan 2020 18:59

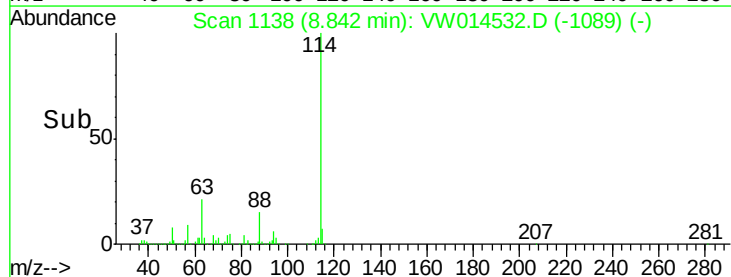
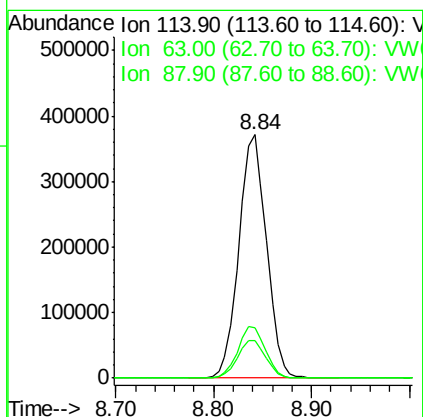
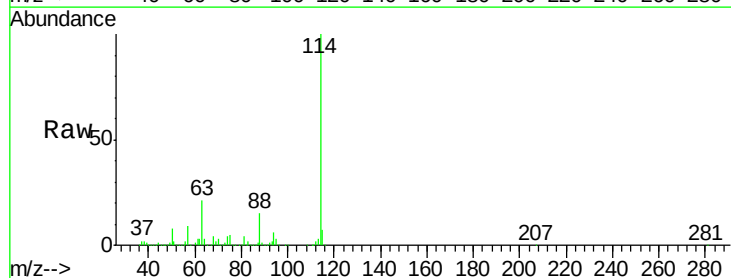
Instrument :
 MSVOA_W
 ClientSampleId :

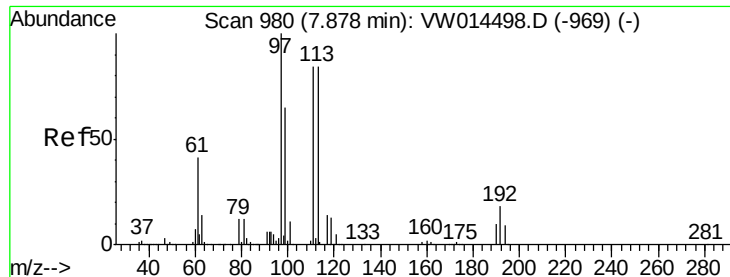
Tgt Ion: 65 Resp: 301518
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014532.D
 Acq: 06 Jan 2020 18:59

Tgt Ion: 114 Resp: 729407
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.4
 88 15.2 0.0 30.6

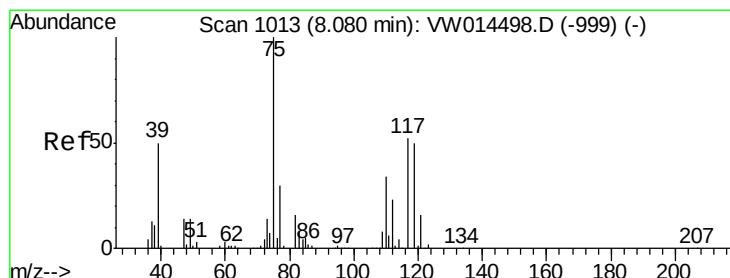
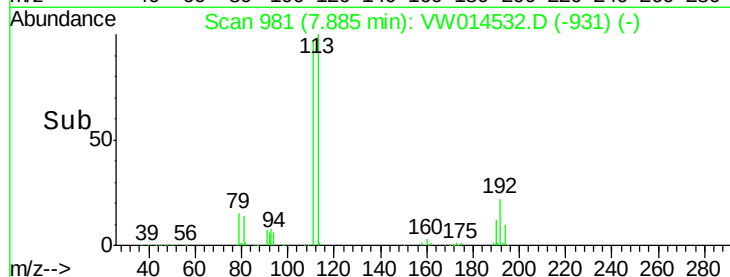
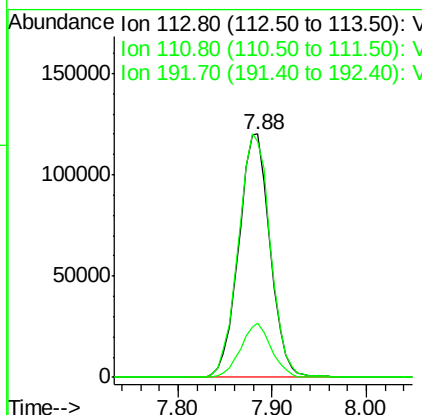
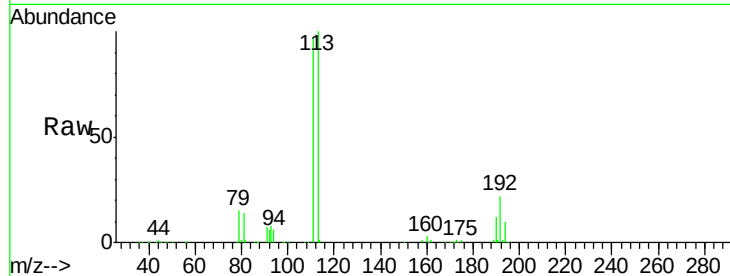




#35
 Dibromofluoromethane
 Concen: 67.160 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014532.D
 Acq: 06 Jan 2020 18:59

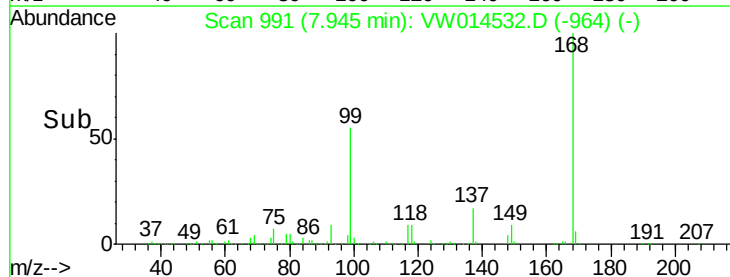
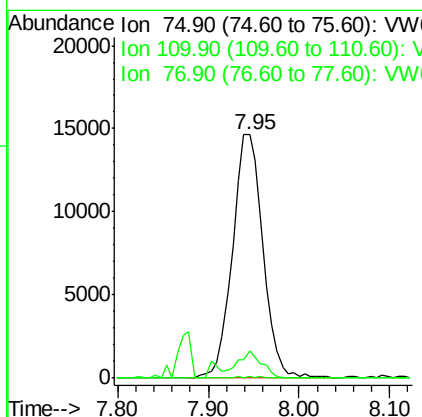
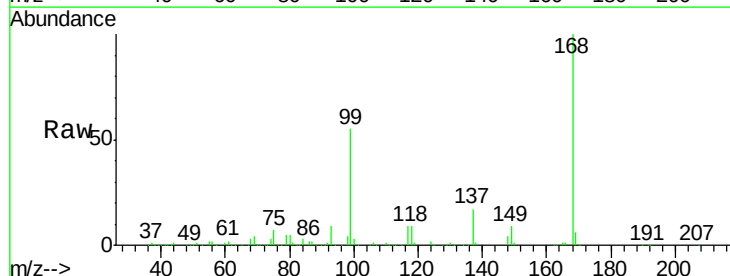
Instrument :
 MSVOA_W
 ClientSampleId :

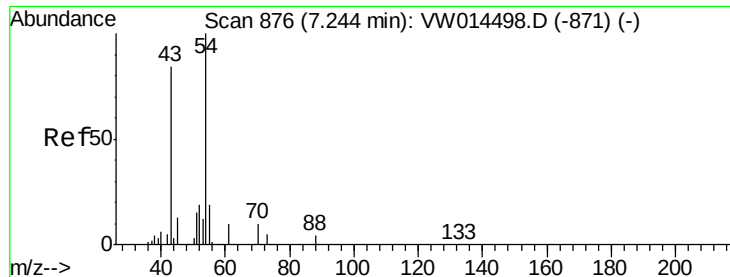
Tgt Ion: 113 Resp: 279970
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.4 122.2
 192 21.7 17.8 26.8



#36
 1,1-Dichloropropene
 Concen: 4.881 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014532.D
 Acq: 06 Jan 2020 18:59

Tgt Ion: 75 Resp: 34325
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.8 53.5#
 77 0.4 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.102 ug/l

RT: 7.19 min Scan# 867

Delta R.T. -0.05 min

Lab File: VW014532.D

Acq: 06 Jan 2020 18:59

Instrument :

MSVOA_W

ClientSampleId :

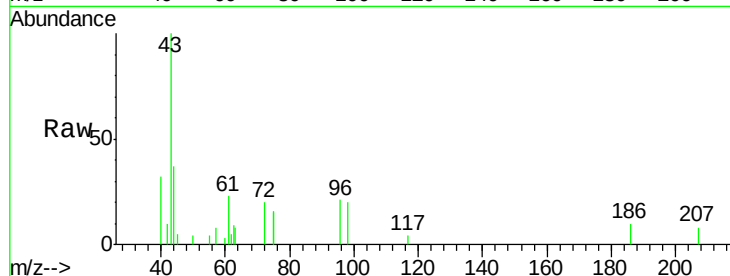
Tgt Ion: 43 Resp: 3513

Ion Ratio Lower Upper

43 100

61 0.0 11.7 17.5#

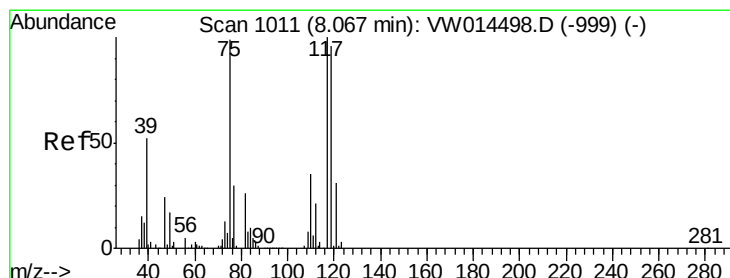
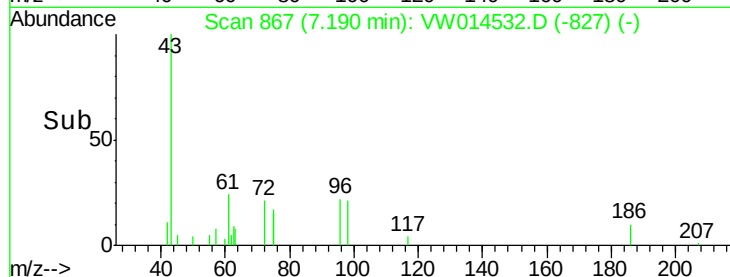
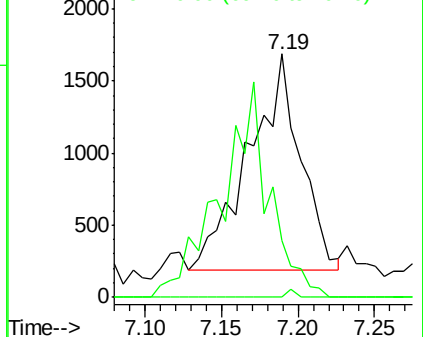
70 0.6 9.0 13.6#



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: 6.992 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW014532.D

Acq: 06 Jan 2020 18:59

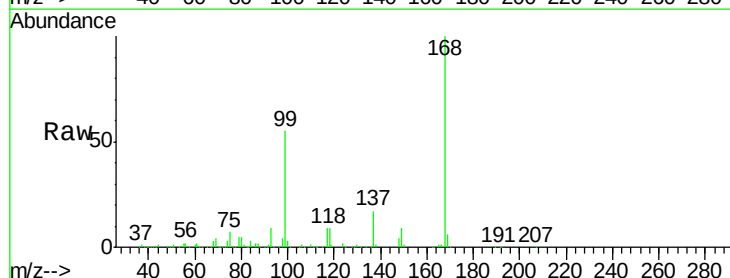
Tgt Ion: 117 Resp: 42652

Ion Ratio Lower Upper

117 100

119 6.6 77.0 115.6#

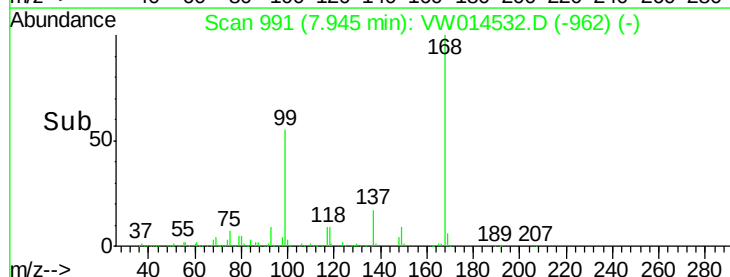
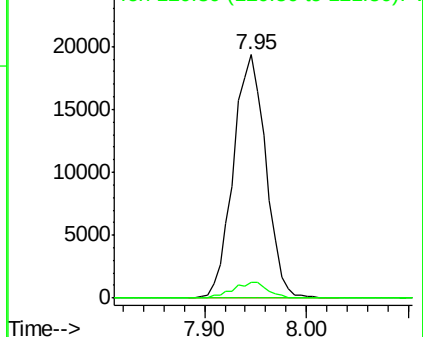
121 0.0 24.6 36.8#

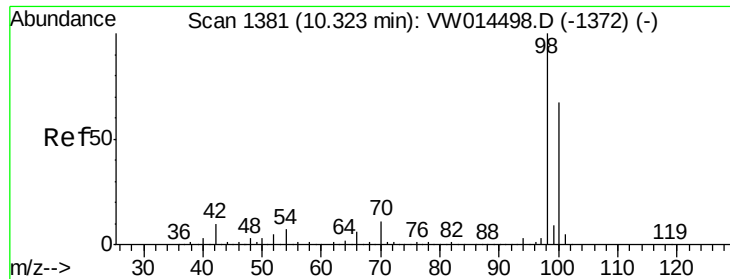


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 54.695 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014532.D

Acq: 06 Jan 2020 18:59

Instrument :

MSVOA_W

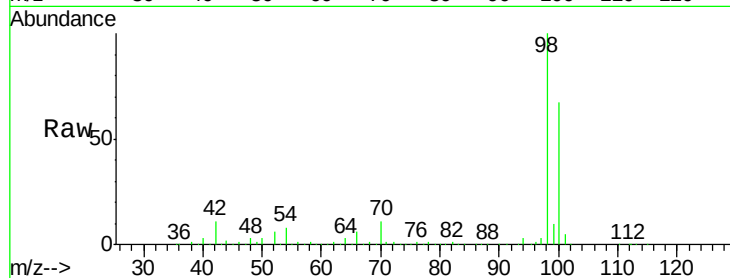
ClientSampleId :

Tgt Ion: 98 Resp: 951534

Ion Ratio Lower Upper

98 100

100 65.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

600000

500000

400000

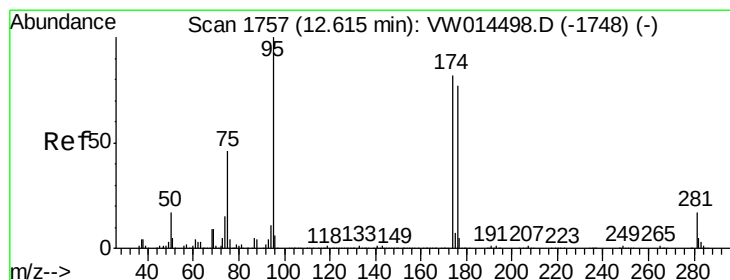
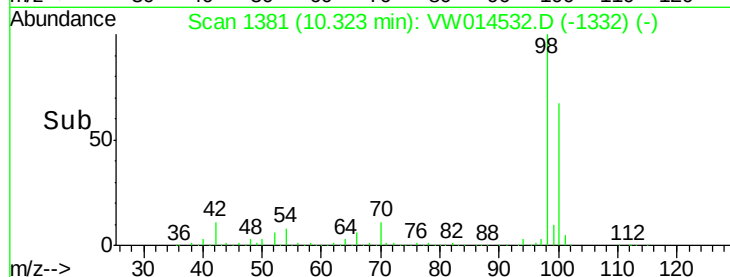
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#62

4-Bromofluorobenzene

Concen: 41.944 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014532.D

Acq: 06 Jan 2020 18:59

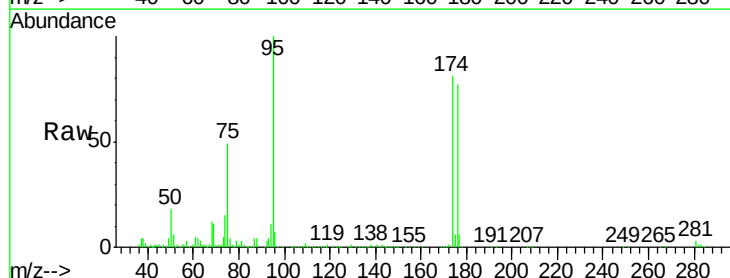
Tgt Ion: 95 Resp: 247503

Ion Ratio Lower Upper

95 100

174 82.8 0.0 168.6

176 79.9 0.0 162.0



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

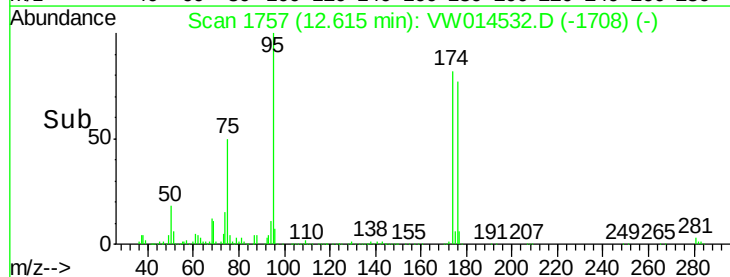
150000

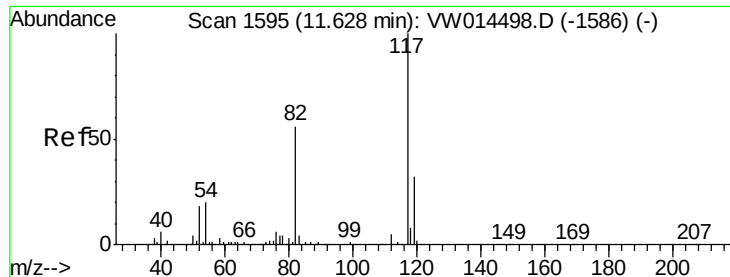
100000

50000

0

Time--> 12.50 12.60 12.70

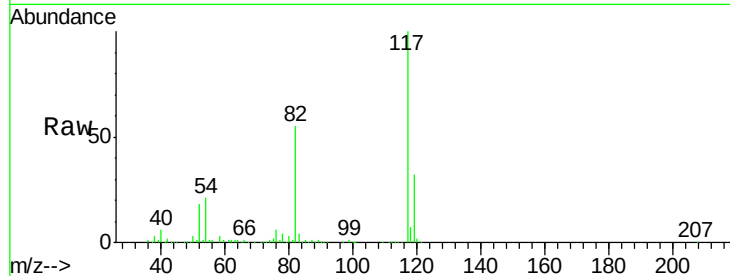




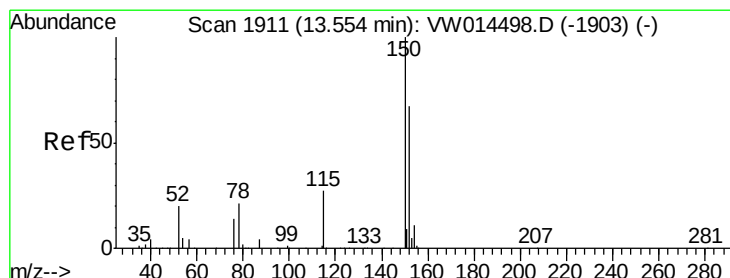
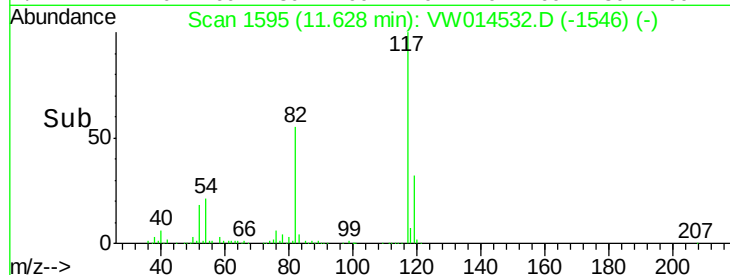
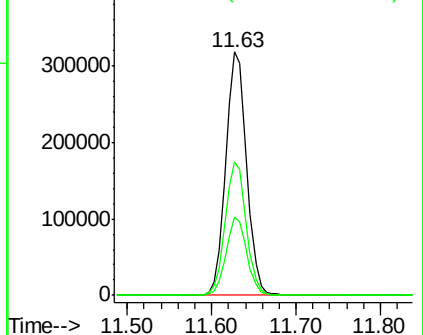
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014532.D
Acq: 06 Jan 2020 18:59

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:117 Resp: 541505
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 32.1 25.7 38.5

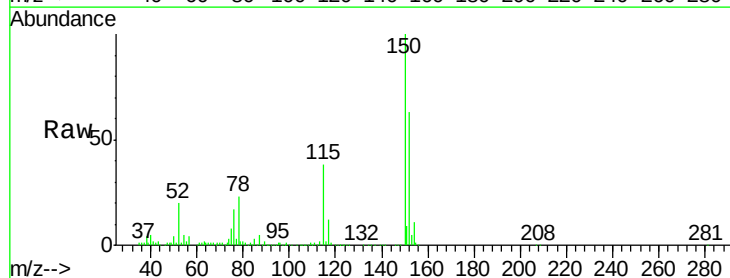


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

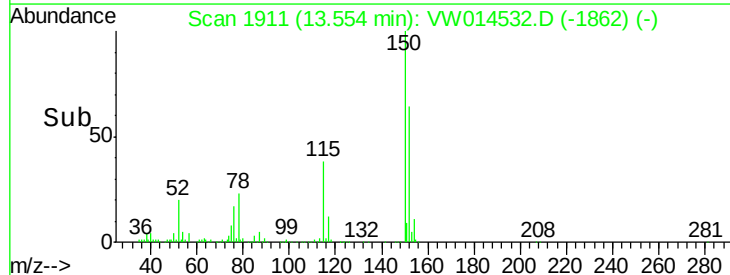
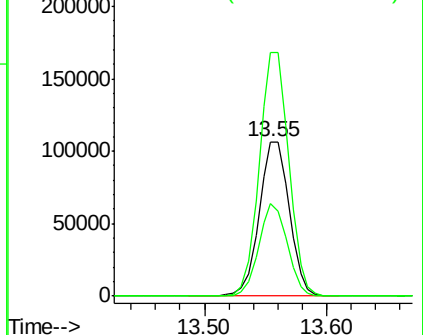


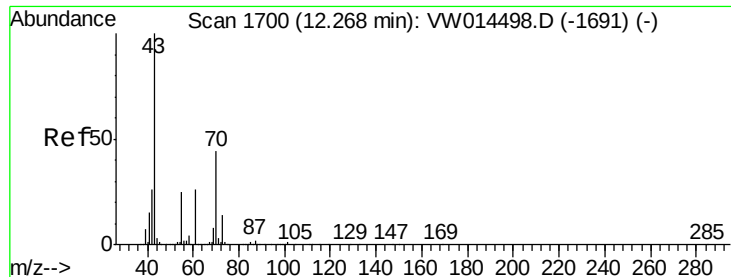
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014532.D
Acq: 06 Jan 2020 18:59

Tgt Ion:152 Resp: 183837
Ion Ratio Lower Upper
152 100
115 56.4 27.7 83.1
150 154.0 0.0 343.4



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





#74

N-ethyl acetate

Concen: 2.371 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW014532.D

Acq: 06 Jan 2020 18:59

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 43 Resp: 7170

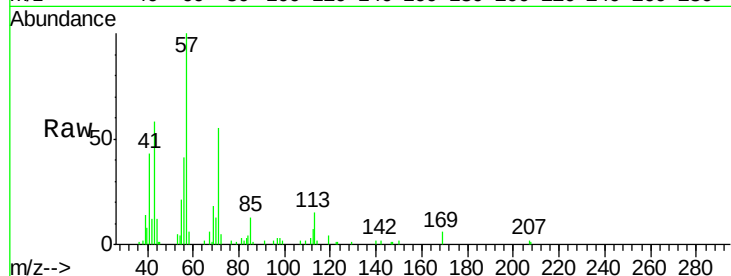
Ion Ratio Lower Upper

43 100

70 28.2 36.5 54.7#

55 38.3 20.9 31.3#

61 0.0 20.7 31.1#

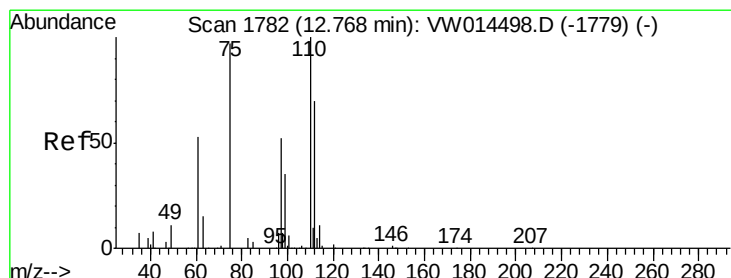
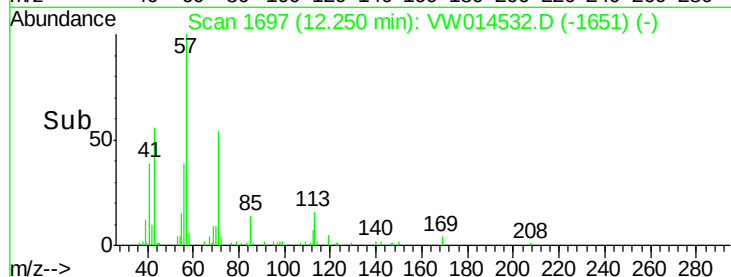
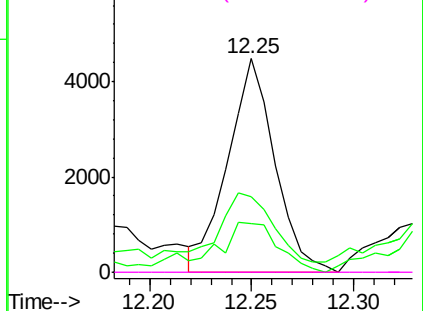


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 68.936 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014532.D

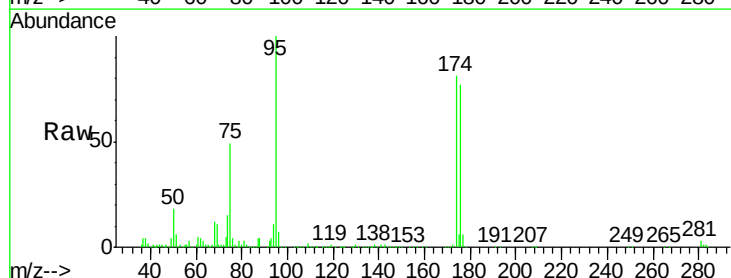
Acq: 06 Jan 2020 18:59

Tgt Ion: 75 Resp: 119821

Ion Ratio Lower Upper

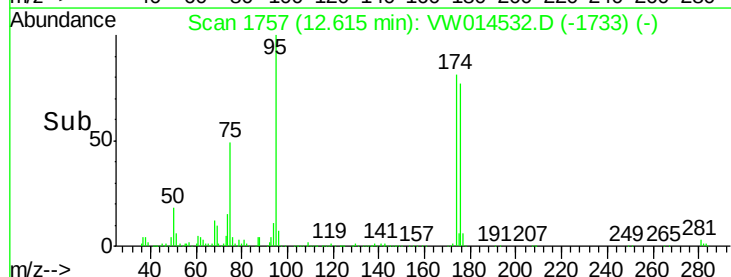
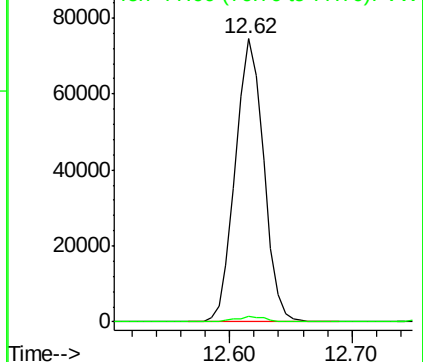
75 100

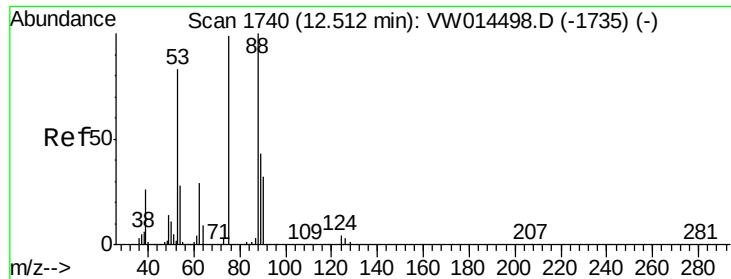
77 2.1 0.0 0.0#



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: 153.592 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014532.D

Acq: 06 Jan 2020 18:59

Instrument :

MSVOA_W

ClientSampleId :

Tgt Ion: 75 Resp: 119821

Ion Ratio Lower Upper

75 100

53 1.3 70.9 106.3#

89 0.0 35.8 53.8#

