

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014584.D
 Acq On : 09 Jan 2020 16:02
 Operator : SY/VA
 Sample : L1056-09RE
 Misc : 7.11G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 09 16:34:29 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	718542	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1093875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	767670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	231519	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	314872	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
35) Dibromofluoromethane	7.88	113	336431	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
50) Toluene-d8	10.32	98	1286505	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.62	95	317922	35.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.86%	

Target Compounds

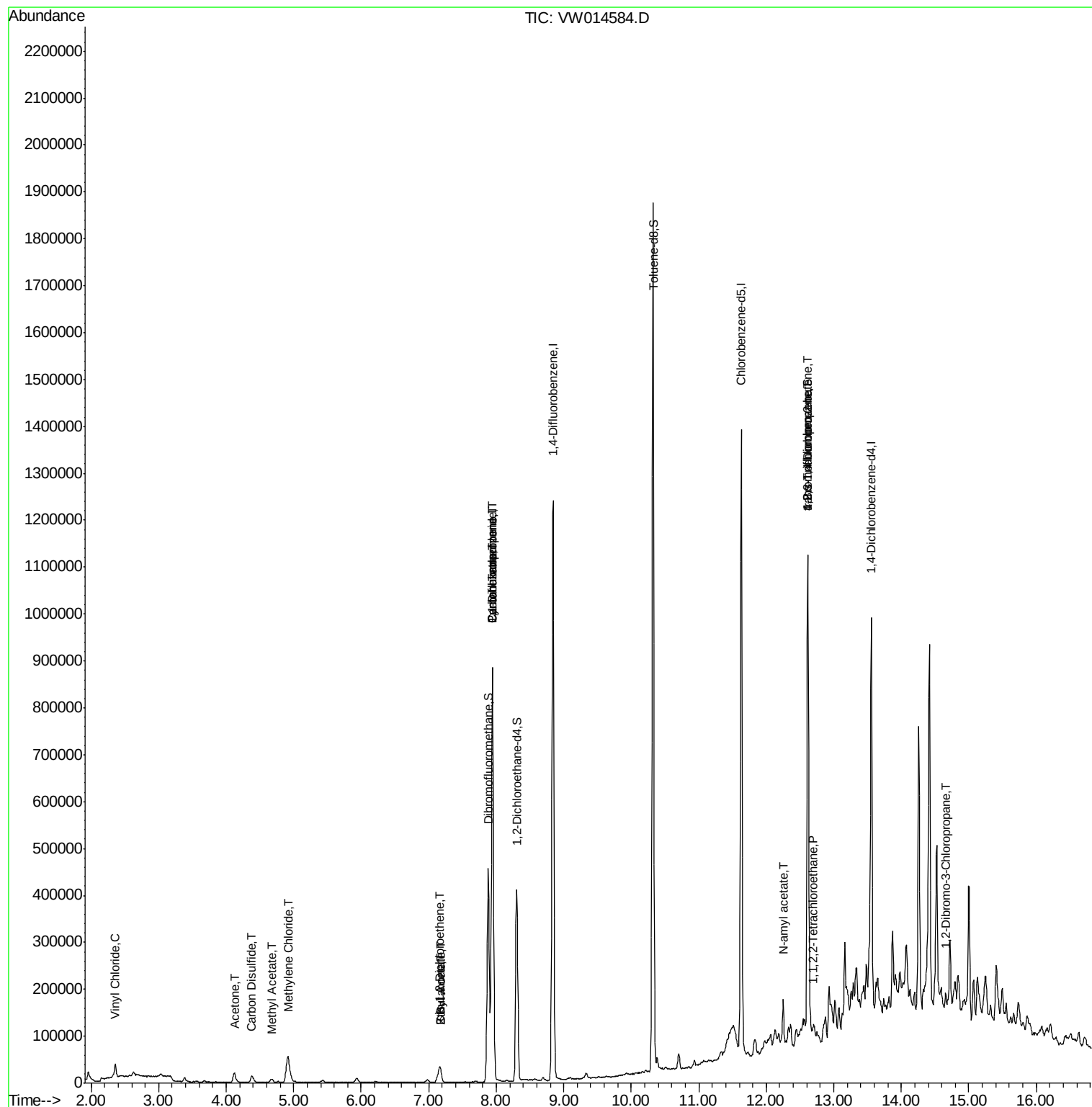
					Qvalue	
4) Vinyl Chloride	2.36	62	22430	3.071	ug/l	97
11) Tert butyl alcohol	5.17	59	2510	Below Cal	#	78
16) Acetone	4.12	43	33766	19.035	ug/l	94
17) Carbon Disulfide	4.38	76	22063	1.024	ug/l	98
18) Methyl Acetate	4.67	43	15743	3.675	ug/l	96
20) Methylene Chloride	4.91	84	50612	2.788	ug/l	98
25) 2-Butanone	7.18	43	7384	3.244	ug/l #	87
27) cis-1,2-Dichloroethene	7.17	96	16994	2.130	ug/l	93
31) Cyclohexane	7.95	56	15761	1.176	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	47955	4.547	ug/l #	50
37) Ethyl Acetate	7.18	43	7384	1.544	ug/l #	68
38) Carbon Tetrachloride	7.95	117	63542	6.945	ug/l #	16
74) N-amyl acetate	12.25	43	20429	5.363	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.68	83	4738	1.545	ug/l #	76
76) 1,2,3-Trichloropropane	12.62	75	146503	66.928	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	146503	149.117	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.66	75	661	1.361	ug/l	74

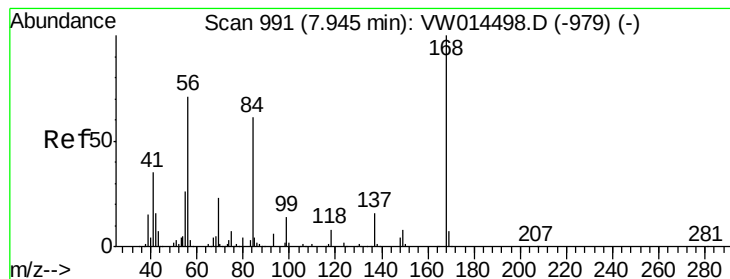
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 03 16:07:20 2020
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: VW014584.D

Acq: 09 Jan 2020 16:02

Instrument :

MSVOA_W

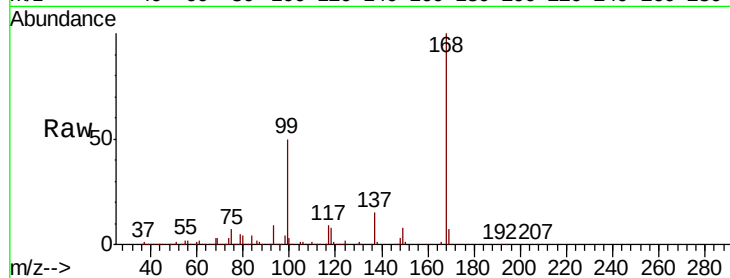
ClientSampled :

Tot Ion:168 Resp: 718542

Ion Ratio Lower Upper

168 100

99 49.5 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

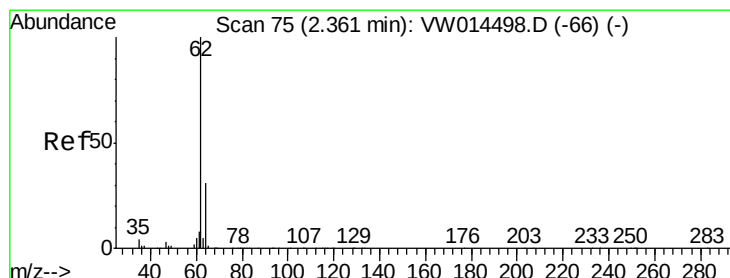
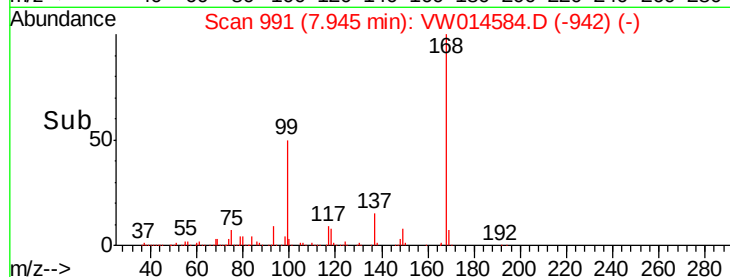
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 3.071 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW014584.D

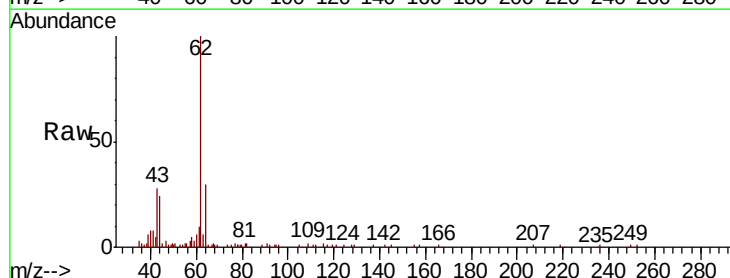
Acq: 09 Jan 2020 16:02

Tgt Ion: 62 Resp: 22430

Ion Ratio Lower Upper

62 100

64 29.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

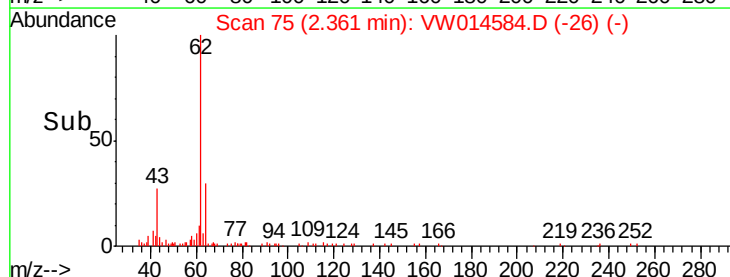
15000

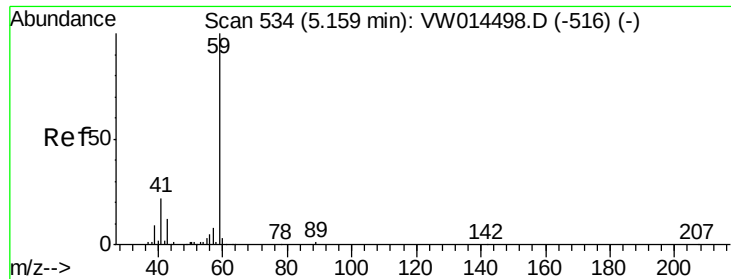
10000

5000

0

Time-->



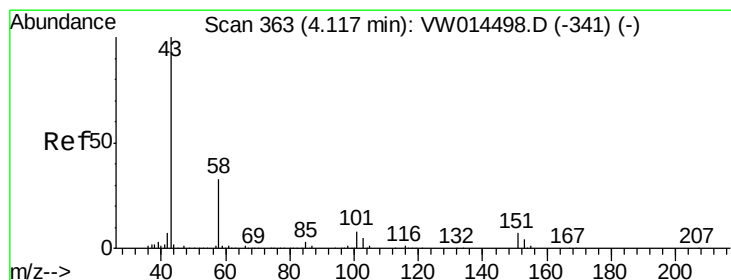
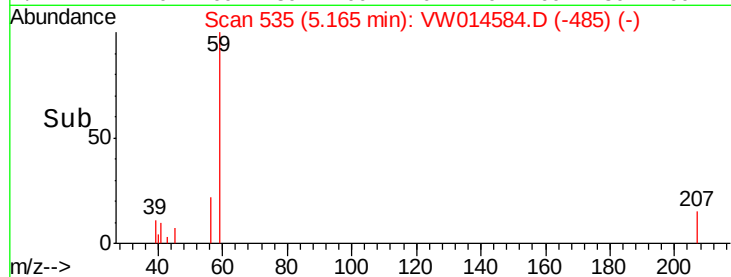
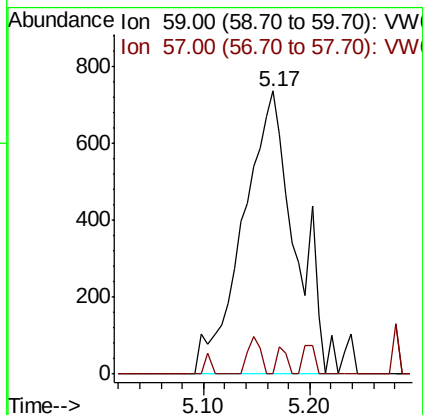
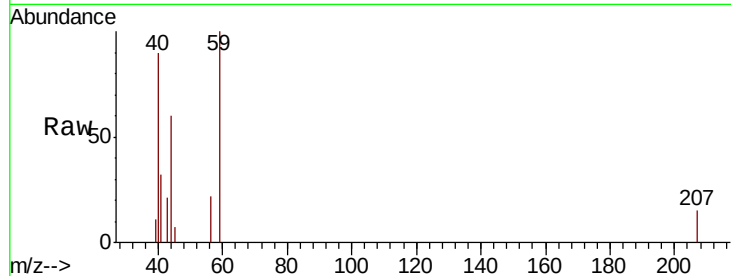


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 535
 Delta R.T. 0.01 min
 Lab File: VW014584.D
 Acq: 09 Jan 2020 16:02

Instrument :
 MSVOA_W
 ClientSampled :

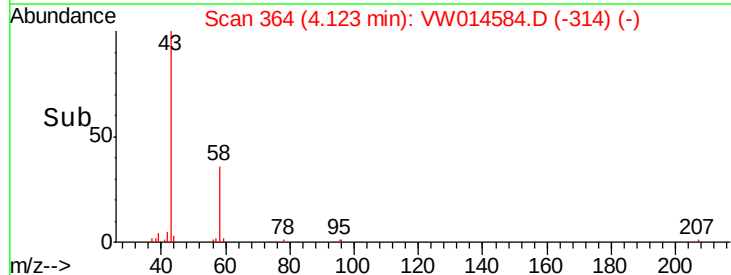
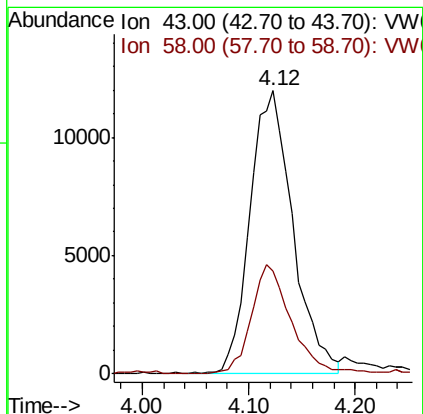
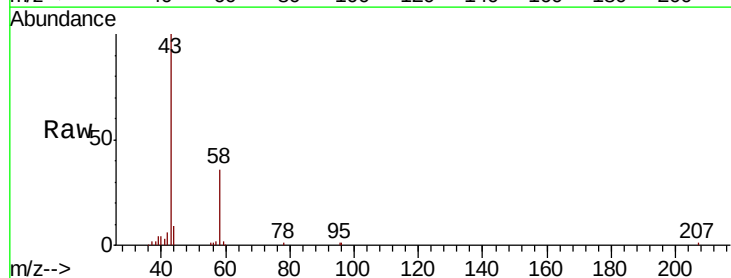
Tot Ion: 59 Resp: 2510
 Ion Ratio Lower Upper
 59 100
 57 1.8 7.8 11.8#

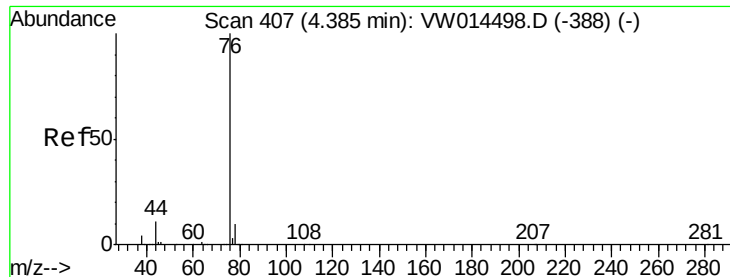


#16

Acetone
 Concen: 19.035 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW014584.D
 Acq: 09 Jan 2020 16:02

Tgt Ion: 43 Resp: 33766
 Ion Ratio Lower Upper
 43 100
 58 36.3 26.6 39.8





#17

Carbon Disulfide

Concen: 1.024 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW014584.D

Acq: 09 Jan 2020 16:02

Instrument :

MSVOA_W

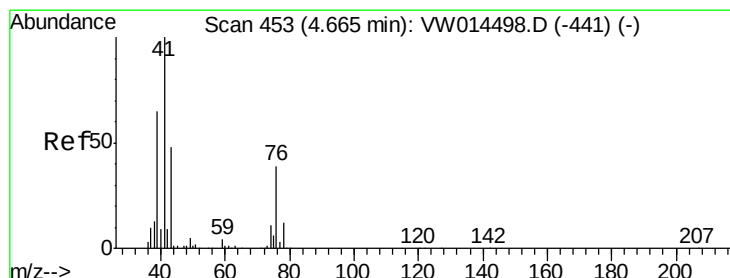
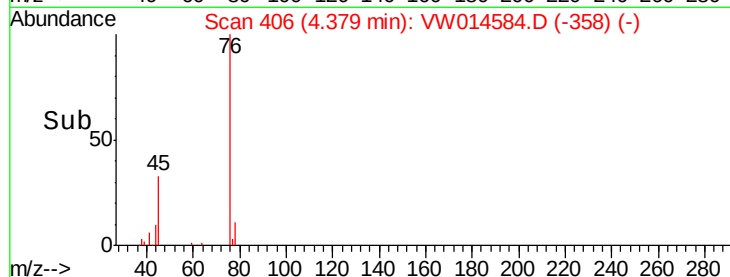
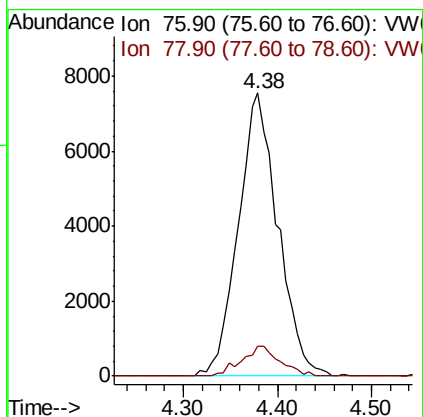
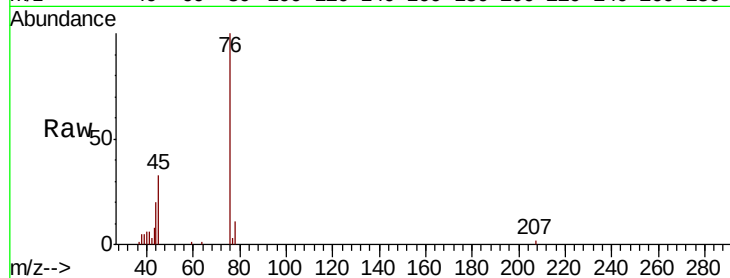
ClientSampled :

Tot Ion: 76 Resp: 22063

Ion Ratio Lower Upper

76 100

78 10.5 7.8 11.6



#18

Methyl Acetate

Concen: 3.675 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW014584.D

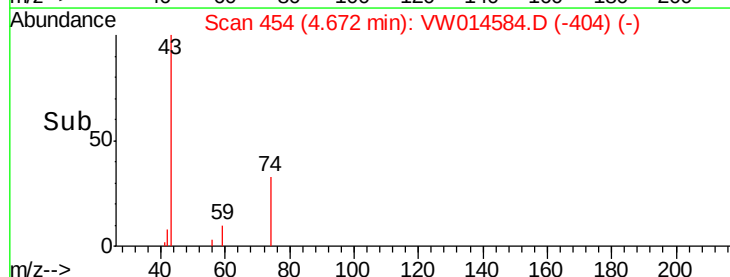
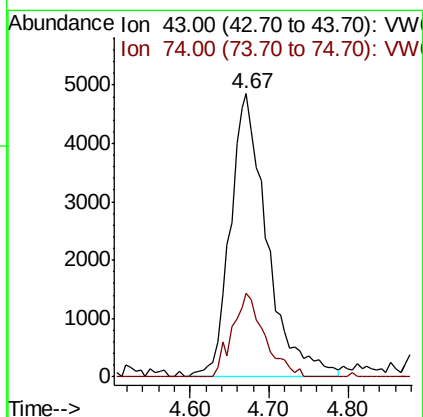
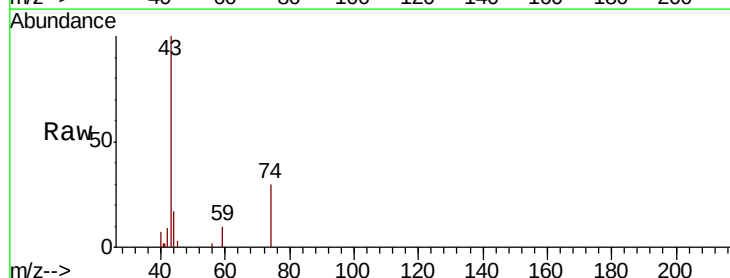
Acq: 09 Jan 2020 16:02

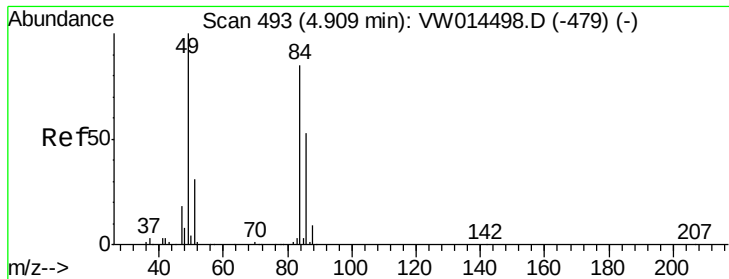
Tgt Ion: 43 Resp: 15743

Ion Ratio Lower Upper

43 100

74 26.0 19.3 28.9





#20

Methylene Chloride

Concen: 2.788 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW014584.D

Acq: 09 Jan 2020 16:02

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 50612

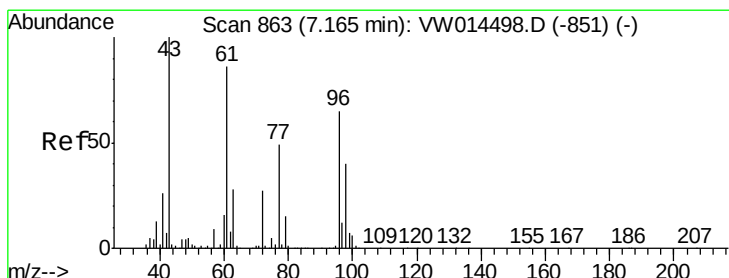
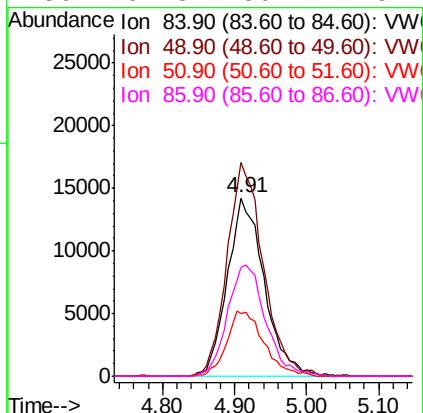
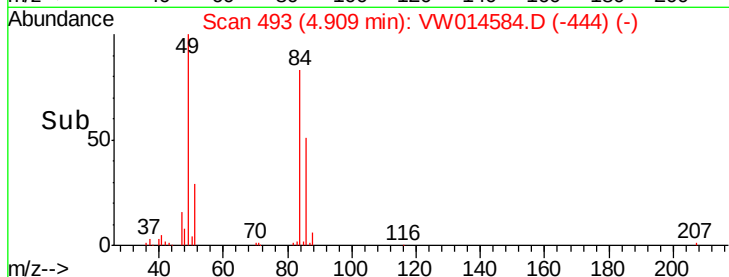
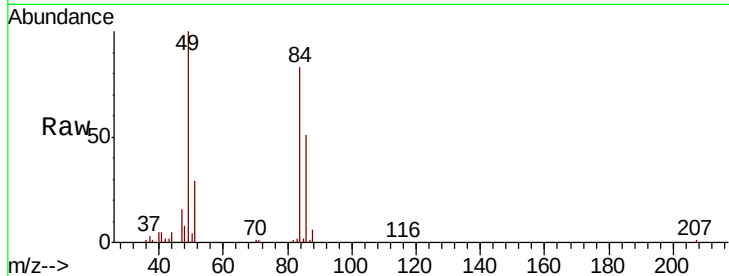
Ion	Ratio	Lower	Upper
84	100		
49	119.8	94.4	141.6
51	35.1	29.5	44.3
86	61.3	50.2	75.2

84 100

49 119.8 94.4 141.6

51 35.1 29.5 44.3

86 61.3 50.2 75.2



#25

2-Butanone

Concen: 3.244 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.02 min

Lab File: VW014584.D

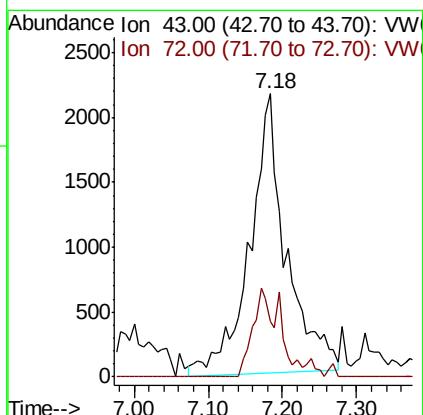
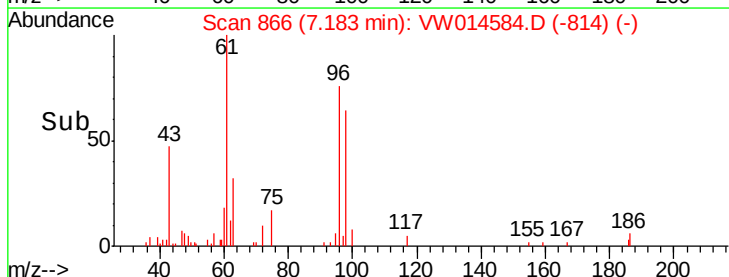
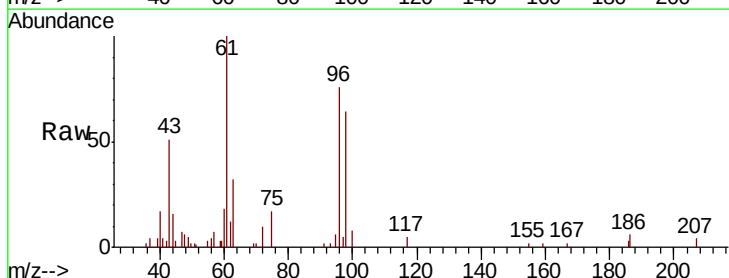
Acq: 09 Jan 2020 16:02

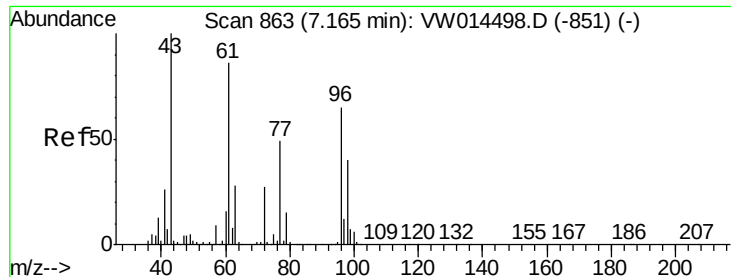
Tgt Ion: 43 Resp: 7384

Ion	Ratio	Lower	Upper
43	100		
72	20.4	21.9	32.9#

43 100

72 20.4 21.9 32.9#



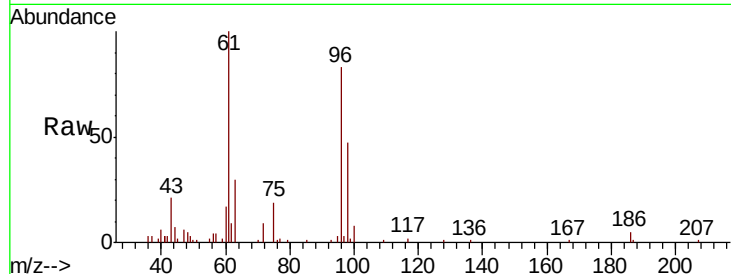


#27

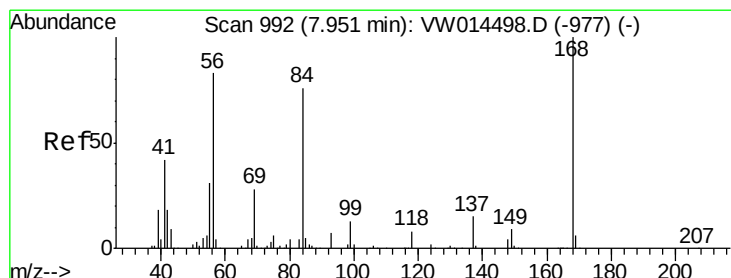
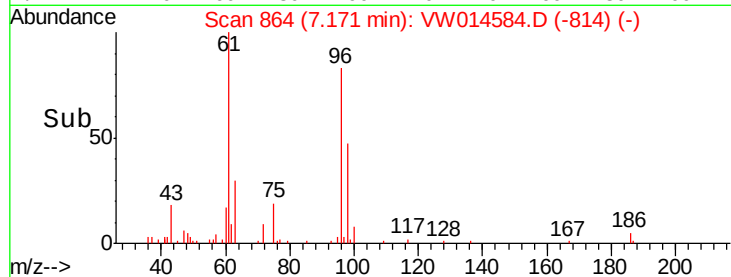
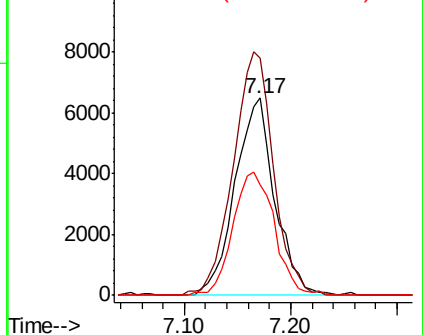
cis-1,2-Dichloroethene
Concen: 2.130 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW014584.D
Acq: 09 Jan 2020 16:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 96 Resp: 16994
Ion Ratio Lower Upper
96 100
61 125.1 0.0 274.8
98 65.1 0.0 128.6



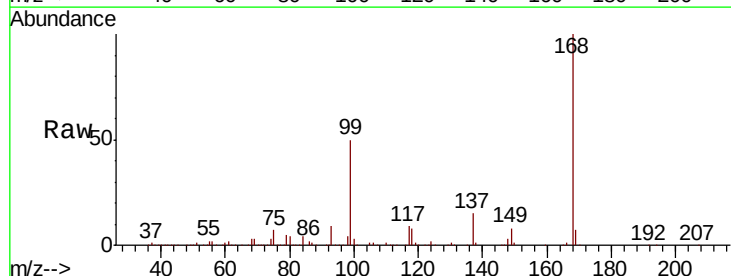
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



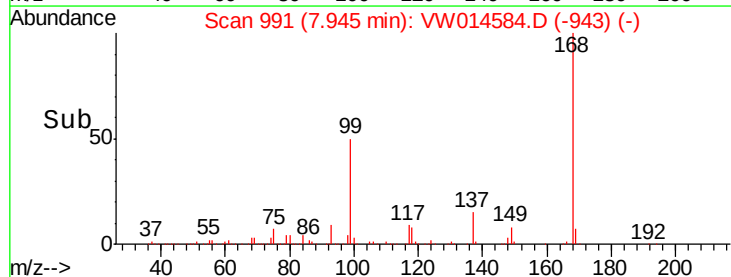
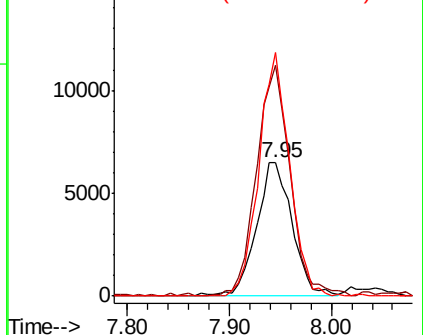
#31

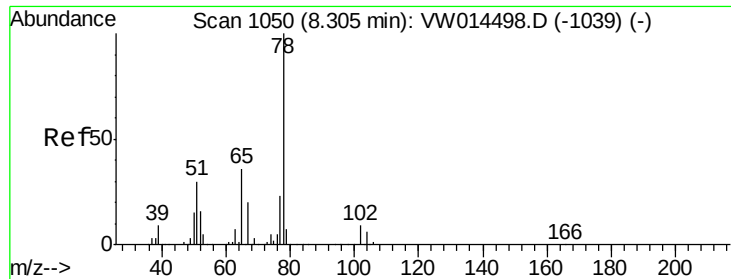
Cyclohexane
Concen: 1.176 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW014584.D
Acq: 09 Jan 2020 16:02

Tgt Ion: 56 Resp: 15761
Ion Ratio Lower Upper
56 100
69 170.3 26.8 40.2#
84 182.6 71.8 107.6#



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

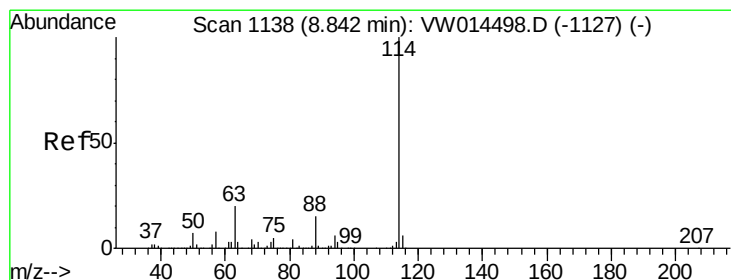
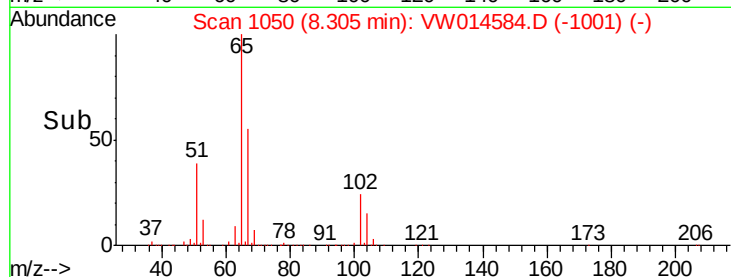
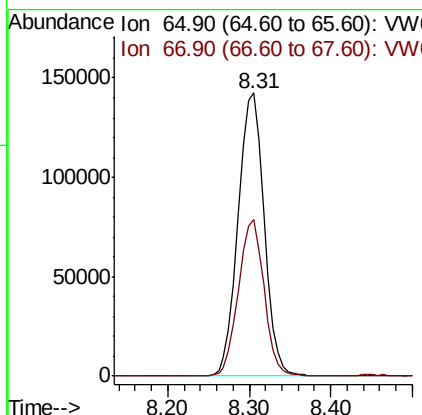
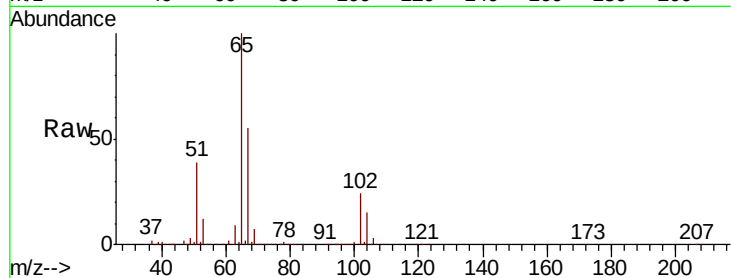




#33
 1,2-Dichloroethane-d4
 Concen: 50.120 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW014584.D
 Acq: 09 Jan 2020 16:02

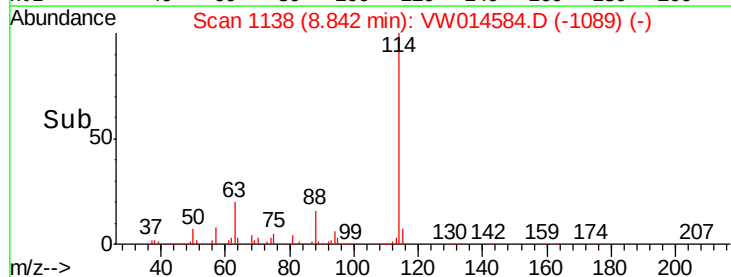
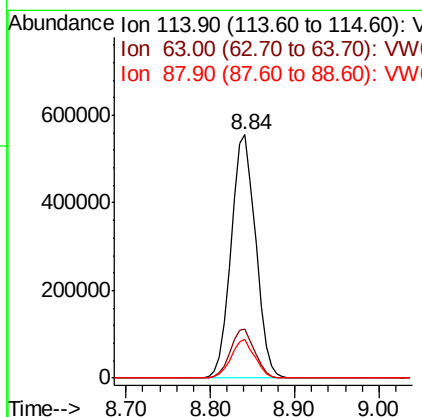
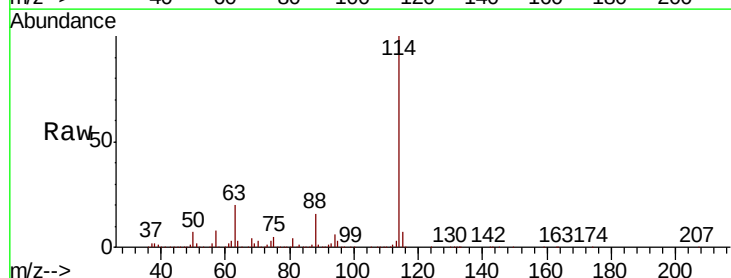
Instrument :
 MSVOA_W
 ClientSampleId :

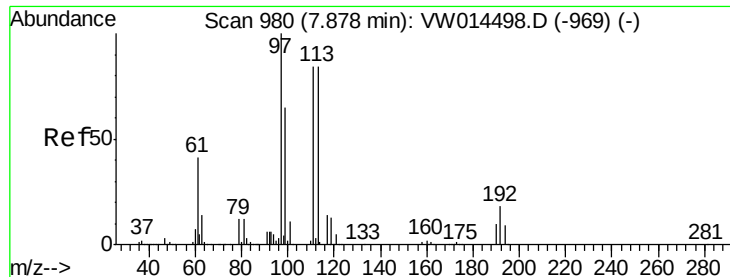
Tot Ion: 65 Resp: 314872
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014584.D
 Acq: 09 Jan 2020 16:02

Tgt Ion: 114 Resp: 1093875
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.4
 88 16.0 0.0 30.6

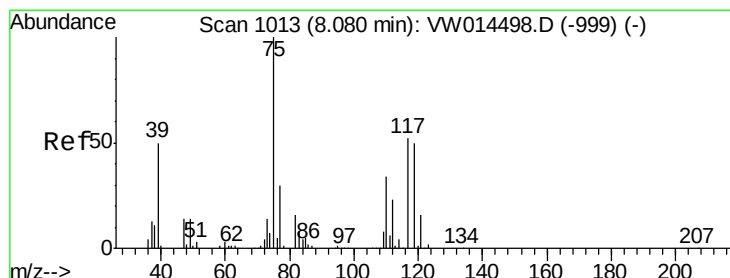
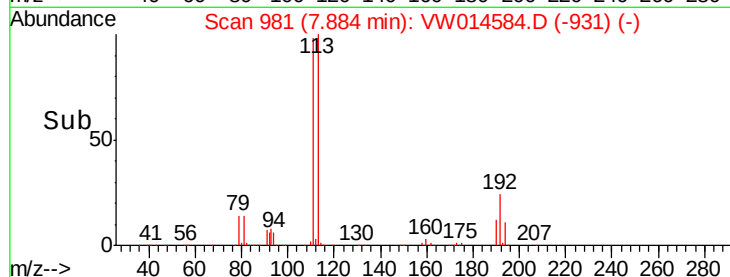
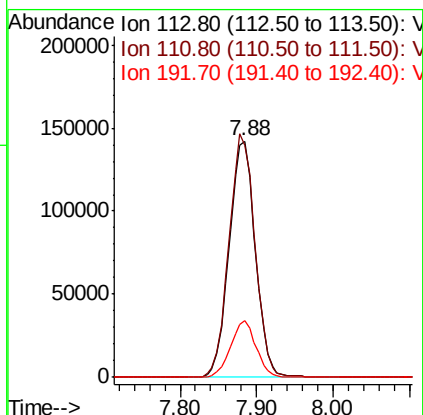
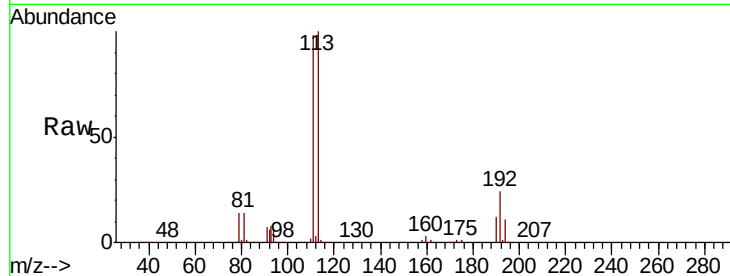




#35
 Dibromofluoromethane
 Concen: 53.814 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014584.D
 Acq: 09 Jan 2020 16:02

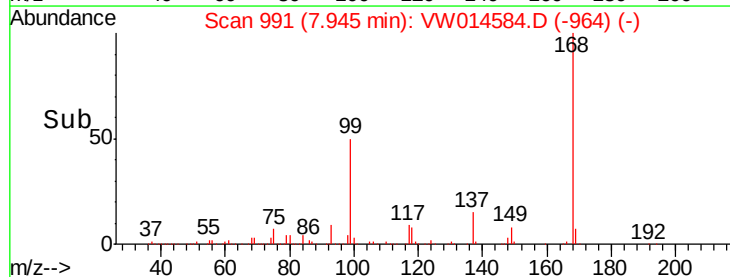
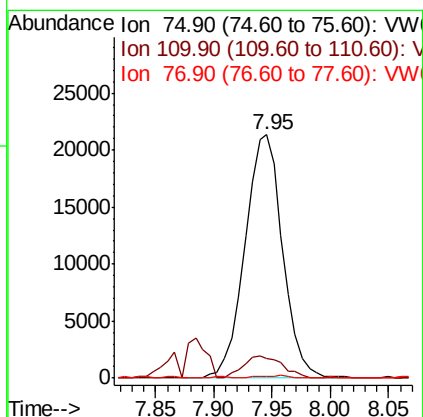
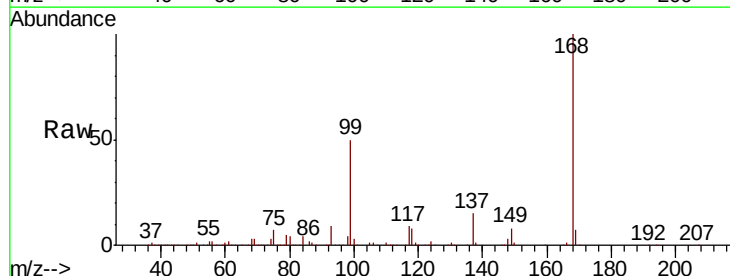
Instrument :
 MSVOA_W
 ClientSampleId :

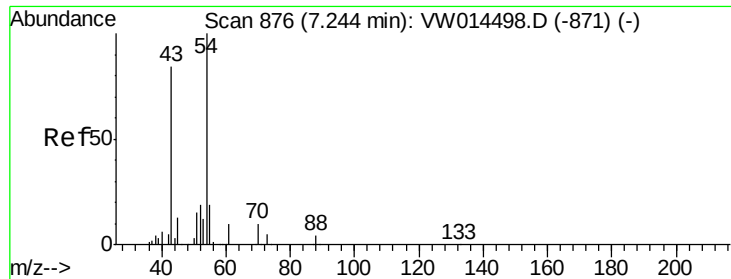
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.2
192	23.2	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.547 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014584.D
 Acq: 09 Jan 2020 16:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.8	53.5#
77	0.7	24.7	37.1#





#37

Ethyl Acetate

Concen: 1.544 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.06 min

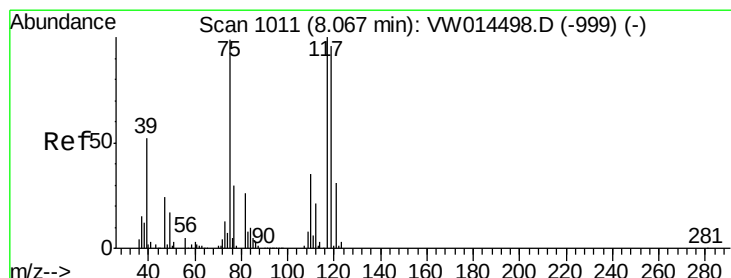
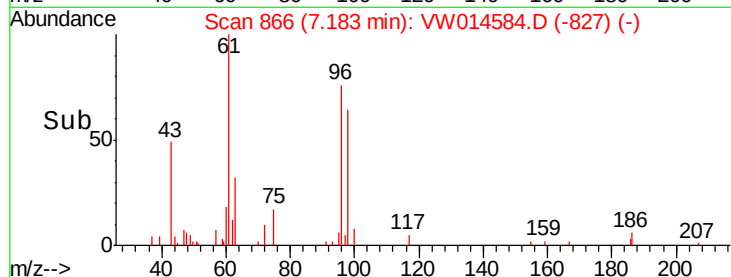
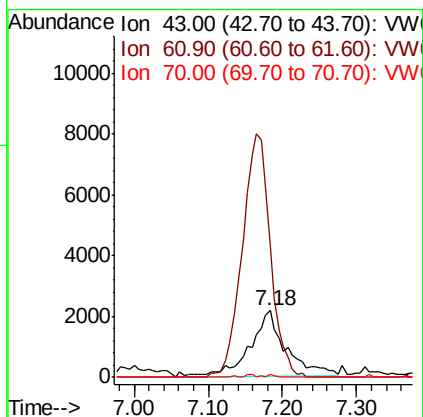
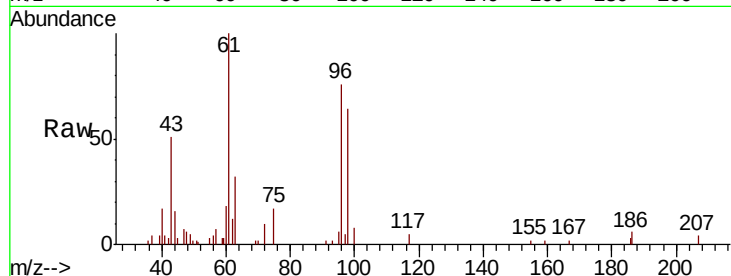
Lab File: VW014584.D

Acq: 09 Jan 2020 16:02

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 7384

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.7	17.5#
70	0.7	9.0	13.6#



#38

Carbon Tetrachloride

Concen: 6.945 ug/l

RT: 7.95 min Scan# 991

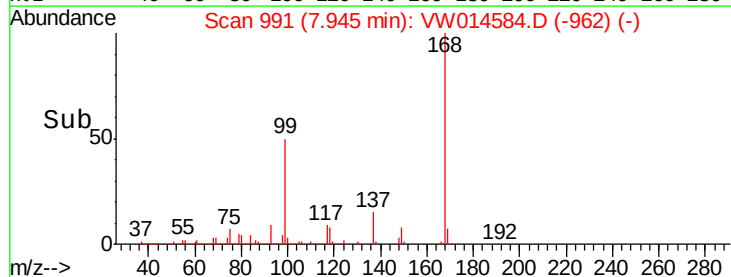
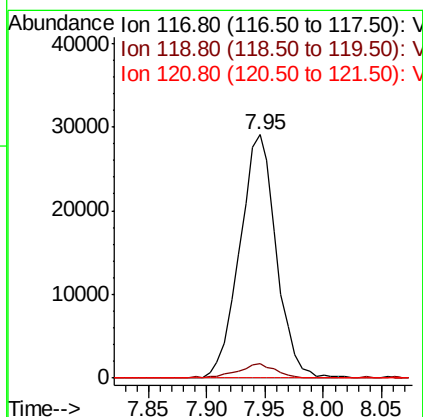
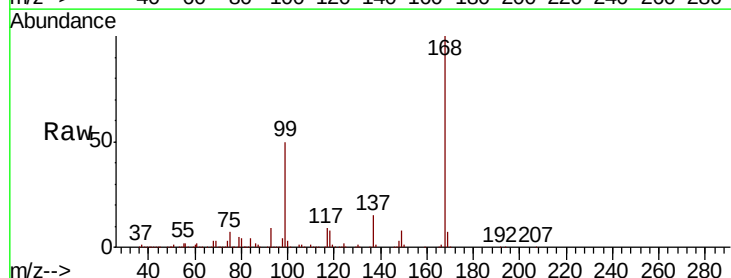
Delta R.T. -0.12 min

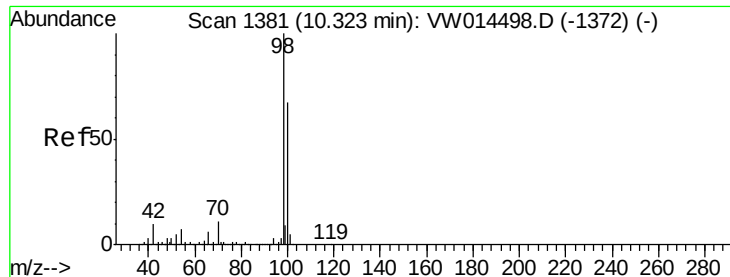
Lab File: VW014584.D

Acq: 09 Jan 2020 16:02

Tgt Ion: 117 Resp: 63542

Ion	Ratio	Lower	Upper
117	100		
119	5.9	77.0	115.6#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 49.311 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014584.D

Acq: 09 Jan 2020 16:02

Instrument :

MSVOA_W

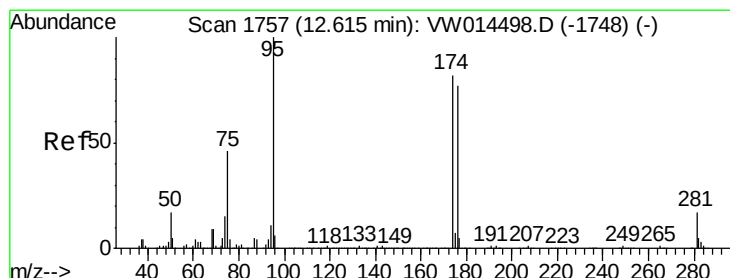
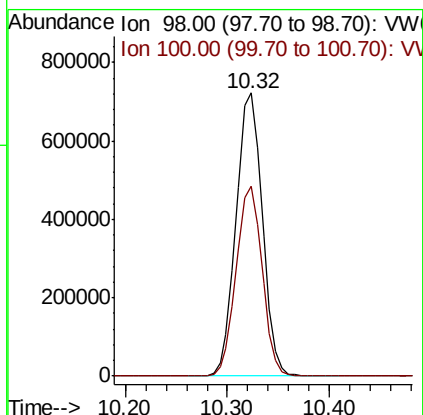
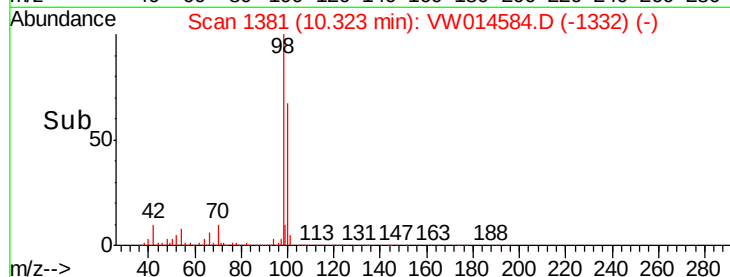
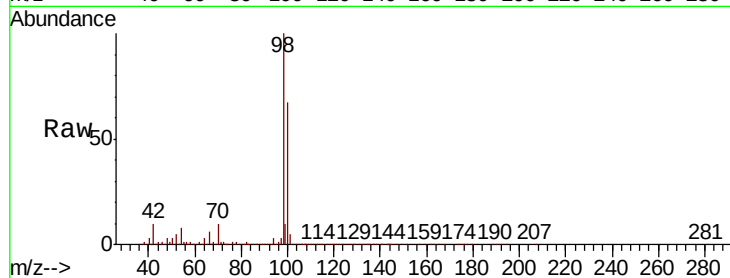
ClientSampleId :

Tot Ion: 98 Resp: 1286505

Ion Ratio Lower Upper

98 100

100 66.4 53.8 80.6



#62

4-Bromofluorobenzene

Concen: 35.926 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW014584.D

Acq: 09 Jan 2020 16:02

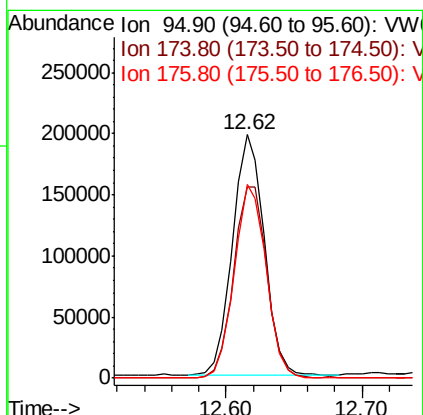
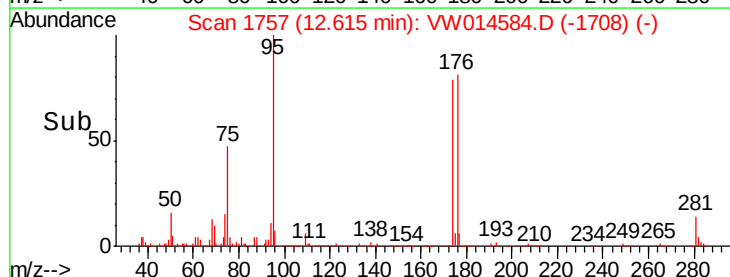
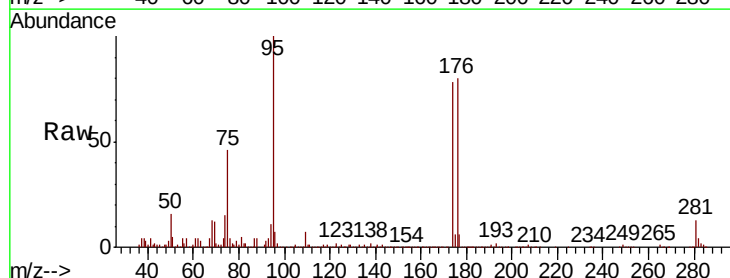
Tgt Ion: 95 Resp: 317922

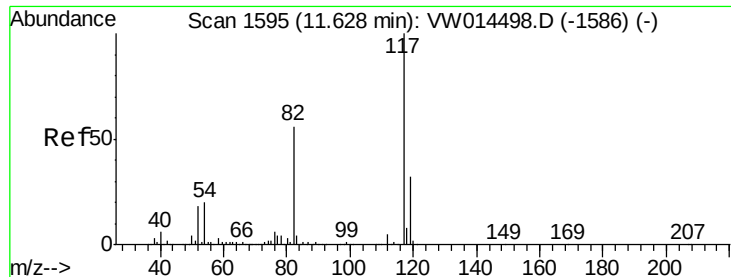
Ion Ratio Lower Upper

95 100

174 83.9 0.0 168.6

176 80.9 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VW014584.D

Acq: 09 Jan 2020 16:02

Instrument :

MSVOA_W

ClientSampleId :

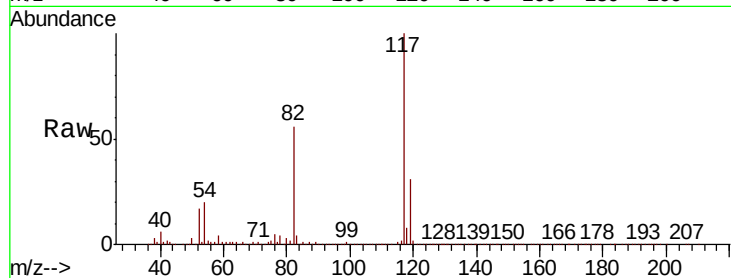
Tot Ion:117 Resp: 767670

Ion Ratio Lower Upper

117 100

82 56.4 44.6 67.0

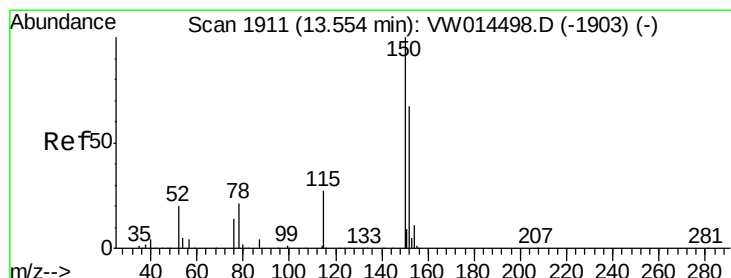
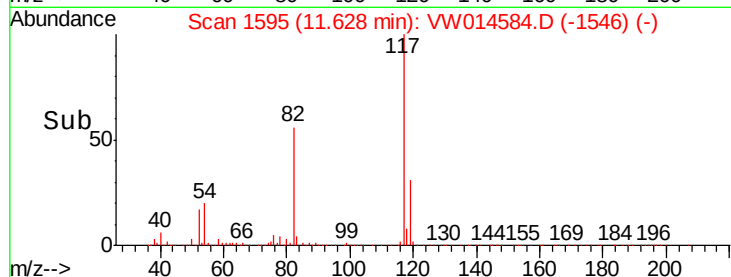
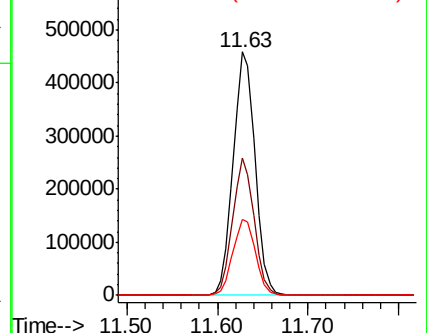
119 31.2 25.7 38.5



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: VW014584.D

Acq: 09 Jan 2020 16:02

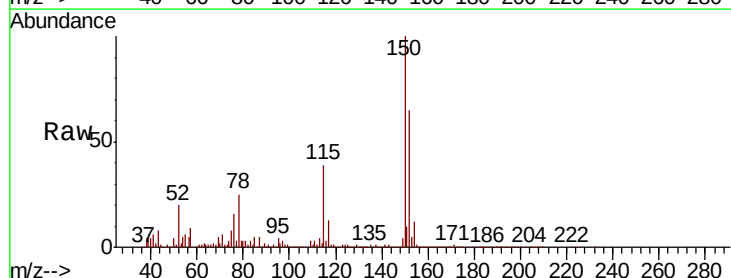
Tgt Ion:152 Resp: 231519

Ion Ratio Lower Upper

152 100

115 55.2 27.7 83.1

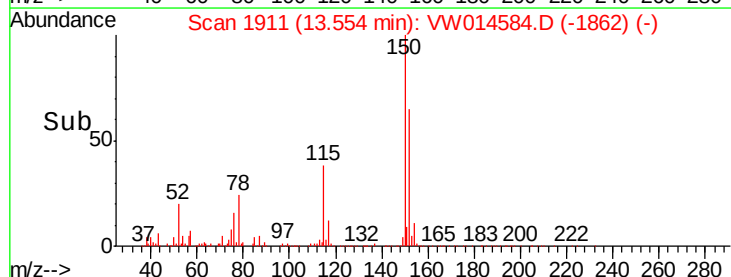
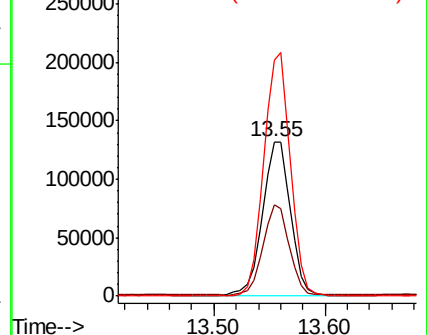
150 149.6 0.0 343.4

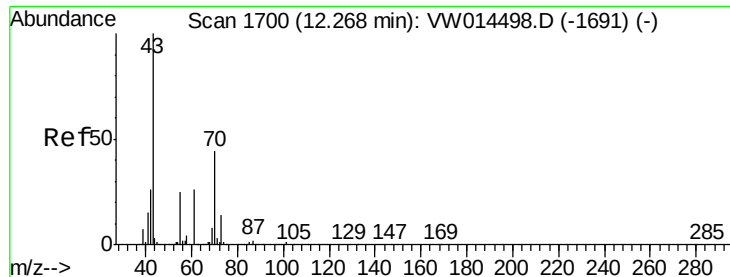


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 5.363 ug/l

RT: 12.25 min Scan# 1697

Delta R.T. -0.02 min

Lab File: VW014584.D

Acq: 09 Jan 2020 16:02

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 43 Resp: 20429

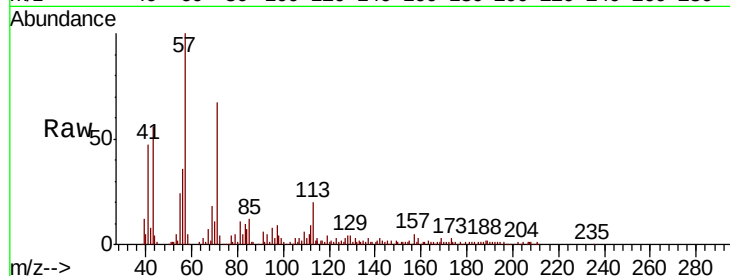
Ion Ratio Lower Upper

43 100

70 25.0 36.5 54.7#

55 26.9 20.9 31.3

61 0.1 20.7 31.1#

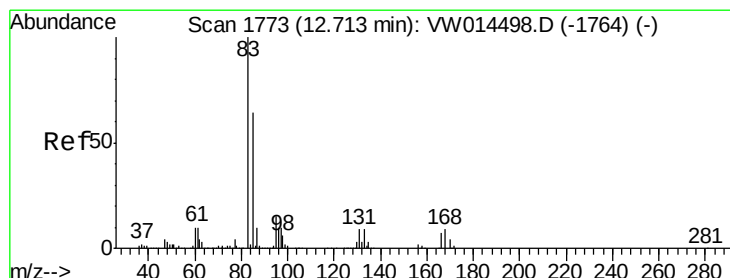
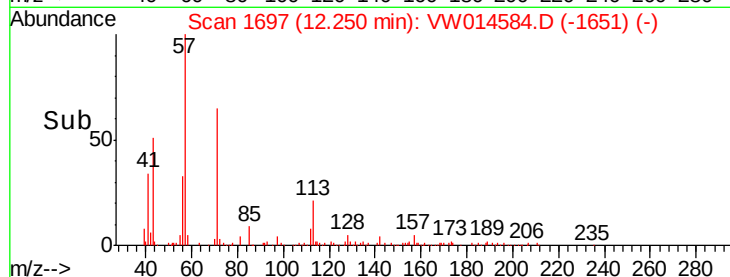
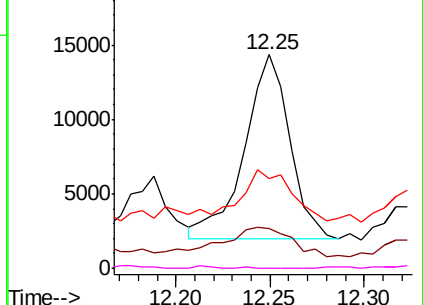


Abundance Ion 43.00 (42.70 to 43.70): VW

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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.545 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW014584.D

Acq: 09 Jan 2020 16:02

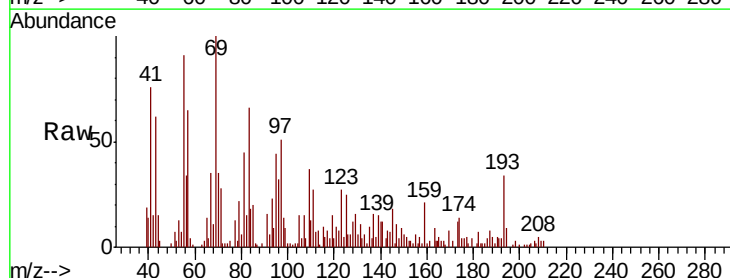
Tgt Ion: 83 Resp: 4738

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

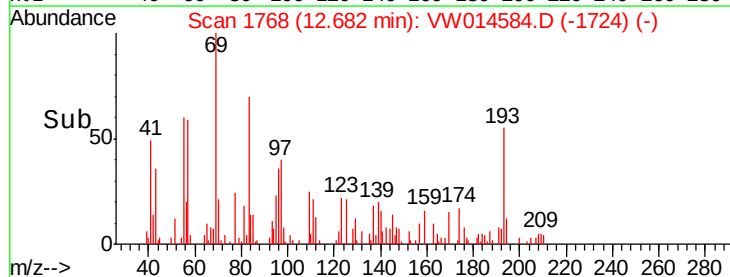
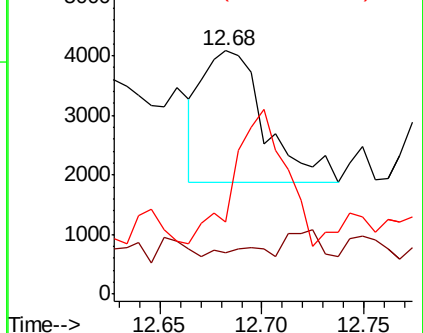
85 82.5 31.9 95.7

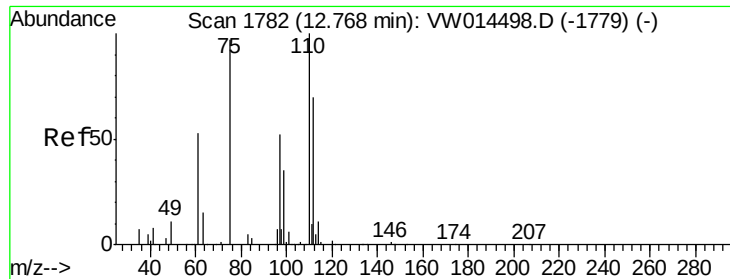


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



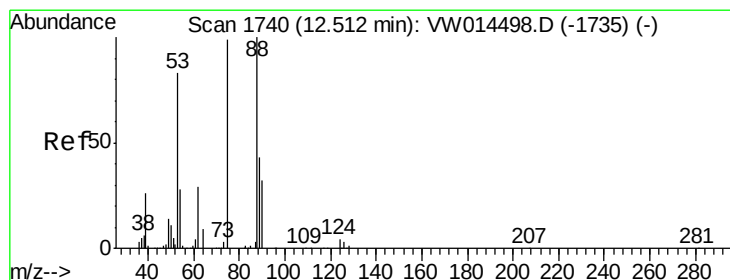
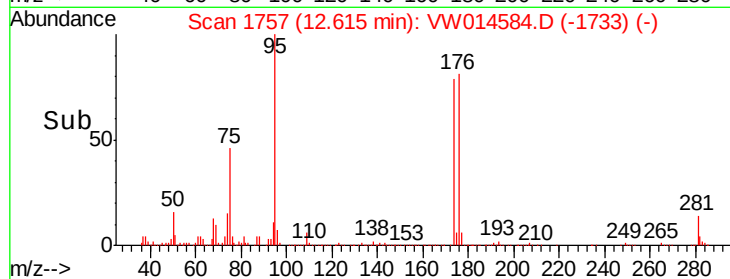
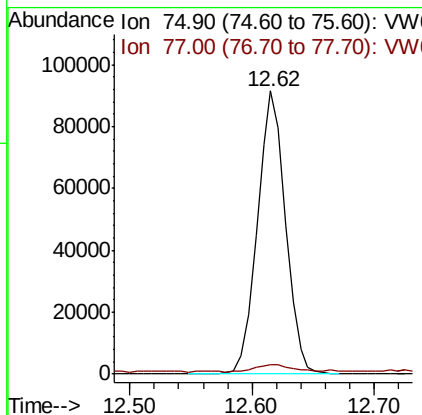
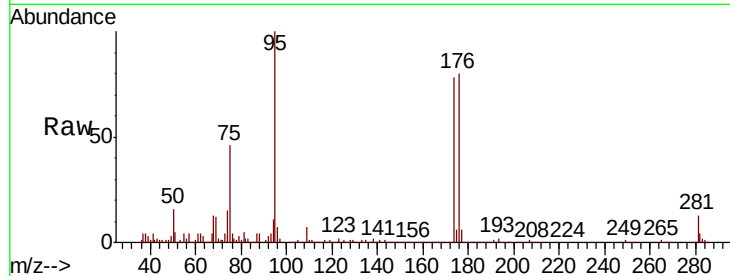


#76

1,2,3-Trichloropropane
Concen: 66.928 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW014584.D
Acq: 09 Jan 2020 16:02

Instrument :
MSVOA_W
ClientSampled :

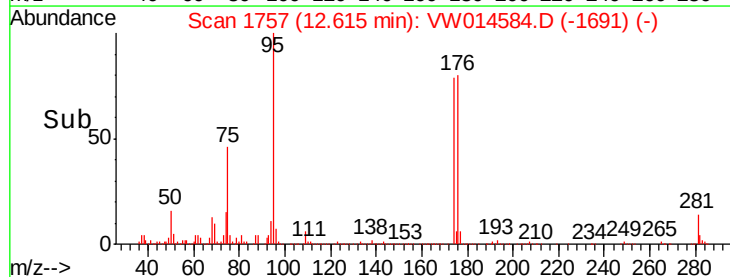
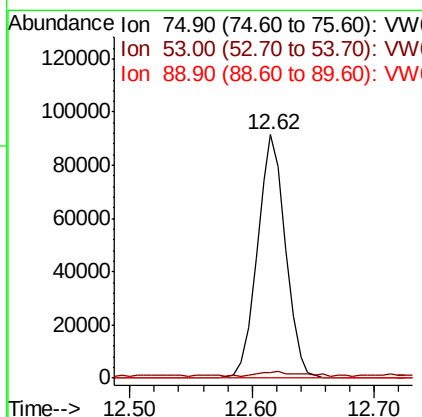
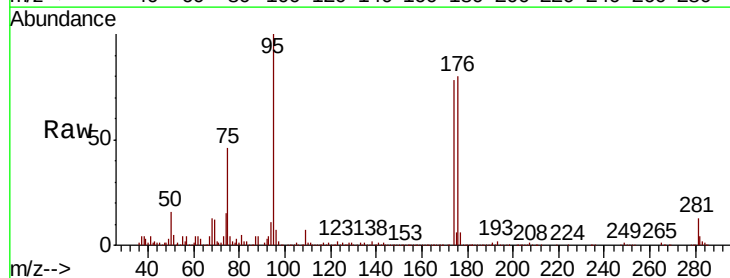
Tot Ion: 75 Resp: 146503
Ion Ratio Lower Upper
75 100
77 3.6 0.0 0.0#

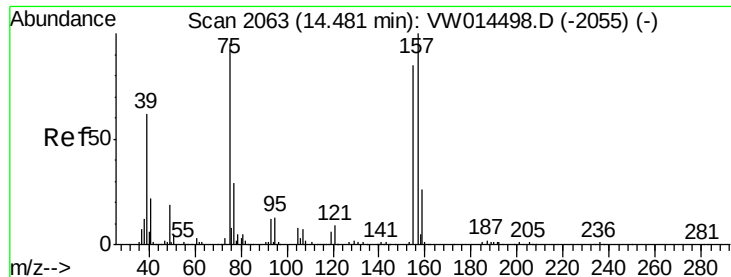


#81

trans-1,4-Dichloro-2-butene
Concen: 149.117 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW014584.D
Acq: 09 Jan 2020 16:02

Tgt Ion: 75 Resp: 146503
Ion Ratio Lower Upper
75 100
53 2.9 70.9 106.3#
89 0.2 35.8 53.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.361 ug/l

RT: 14.66 min Scan# 2092

Delta R.T. 0.18 min

Lab File: VW014584.D

Acq: 09 Jan 2020 16:02

Instrument :

MSVOA_W

ClientSampleId :

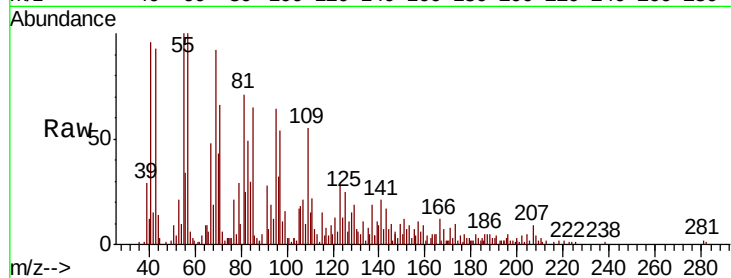
Tot Ion: 75 Resp: 661

Ion Ratio Lower Upper

75 100

155 70.7 45.8 137.4

157 146.9 58.1 174.2



Abundance Ion 74.90 (74.60 to 75.60): VW014584.D (-2014) (-)

Ion 154.80 (154.50 to 155.50): VW014584.D (-2014) (-)

Ion 156.80 (156.50 to 157.50): VW014584.D (-2014) (-)

