

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014577.D
 Acq On : 09 Jan 2020 12:58
 Operator : SY/VA
 Sample : L1056-02RE
 Misc : 7.14G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 09 13:32:25 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	688096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1040273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	705466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	220941	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	294057	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	7.88	113	314873	52.96	ug/l	0.00
Spiked Amount			Recovery	=	105.92%	
50) Toluene-d8	10.32	98	1155112	46.56	ug/l	0.00
Spiked Amount			Recovery	=	93.12%	
62) 4-Bromofluorobenzene	12.62	95	280993	33.39	ug/l	0.00
Spiked Amount			Recovery	=	66.78%	

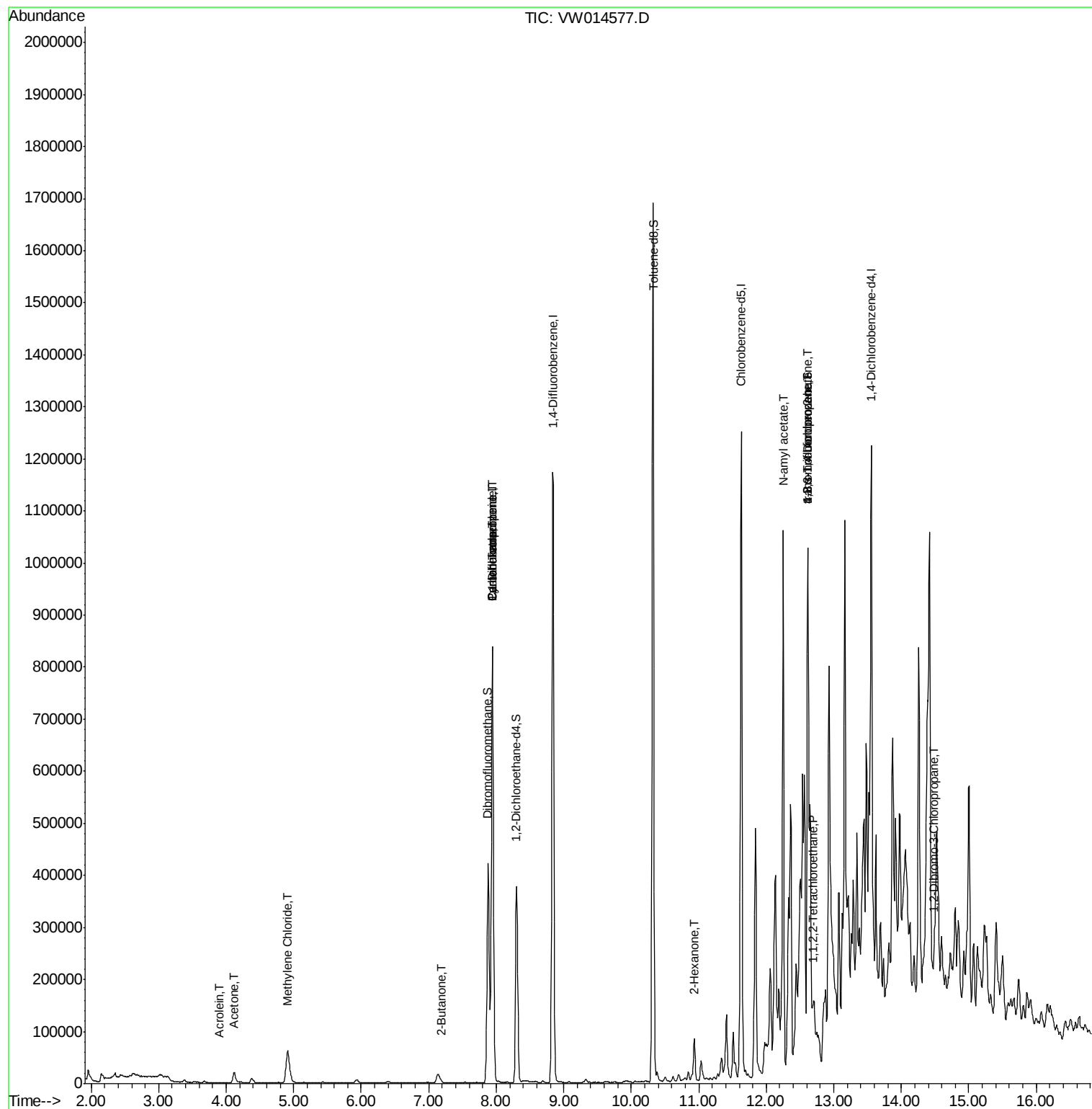
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	2271	Below Cal	#	73
13) Acrolein	3.89	56	909	1.731	ug/l #	14
16) Acetone	4.12	43	35281	20.769	ug/l	99
20) Methylene Chloride	4.90	84	56526	4.077	ug/l	93
25) 2-Butanone	7.19	43	5253	2.410	ug/l #	84
31) Cyclohexane	7.94	56	13054	1.017	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	46372	4.624	ug/l #	49
38) Carbon Tetrachloride	7.95	117	59943	6.890	ug/l #	16
59) 2-Hexanone	10.93	43	27934	9.451	ug/l #	27
74) N-amyl acetate	12.25	43	209216	57.557	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.68	83	19597	6.697	ug/l #	26
76) 1,2,3-Trichloropropane	12.62	75	130219	62.337	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	130219	138.889	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.47	75	721	1.556	ug/l #	53

(#) = 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: VW014577.D

Acq: 09 Jan 2020 12:58

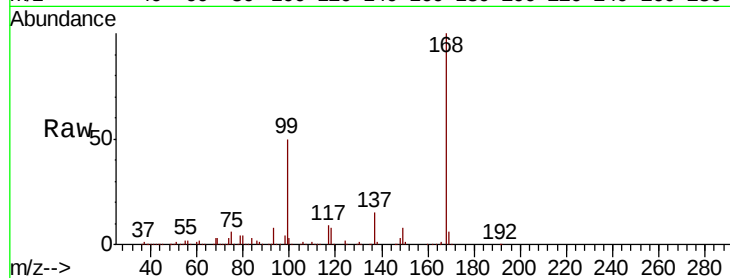
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 688096

Ion Ratio Lower Upper

168 100

99 50.0 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

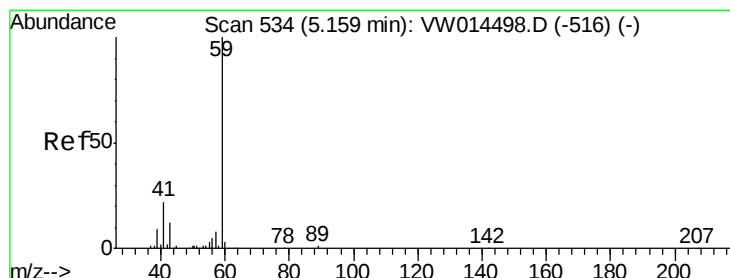
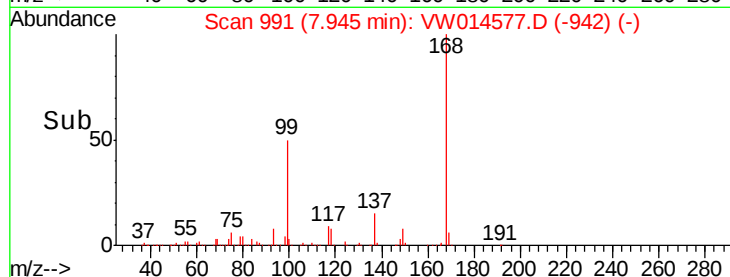
300000

200000

100000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.15 min Scan# 532

Delta R.T. -0.01 min

Lab File: VW014577.D

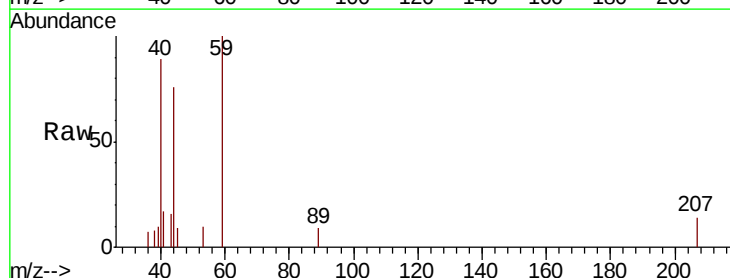
Acq: 09 Jan 2020 12:58

Tgt Ion: 59 Resp: 2271

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

5.15

800

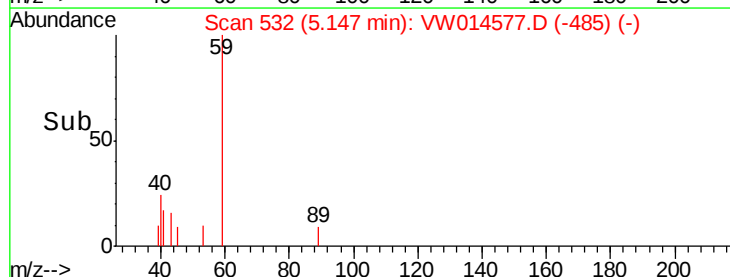
600

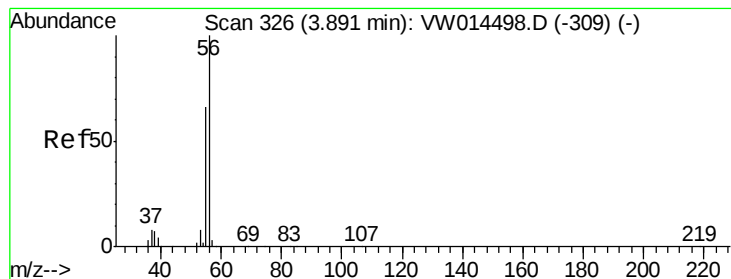
400

200

0

Time--> 5.05 5.10 5.15 5.20 5.25





#13

Acrolein

Concen: 1.731 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW014577.D

Acq: 09 Jan 2020 12:58

Instrument :

MSVOA_W

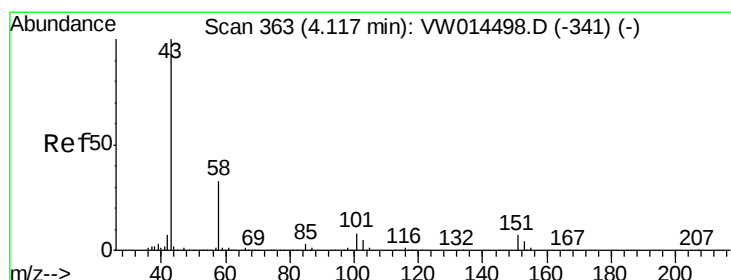
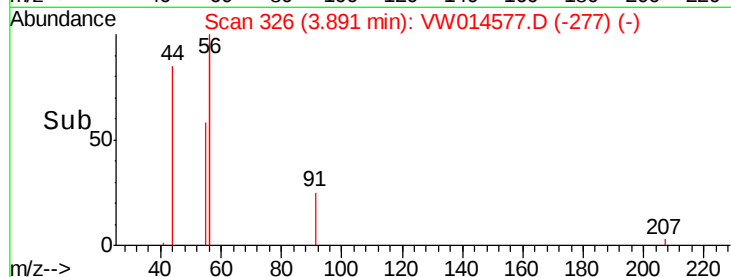
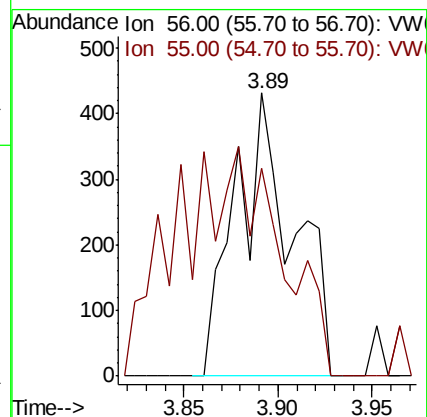
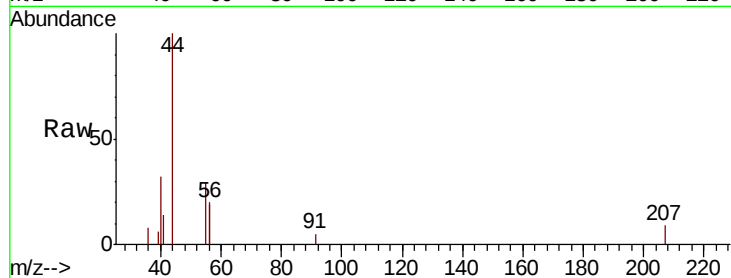
ClientSampled :

Tot Ion: 56 Resp: 909

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



#16

Acetone

Concen: 20.769 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014577.D

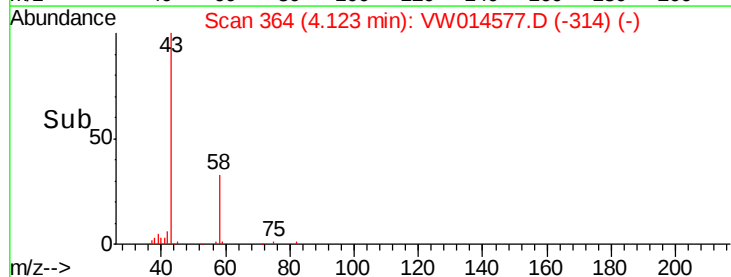
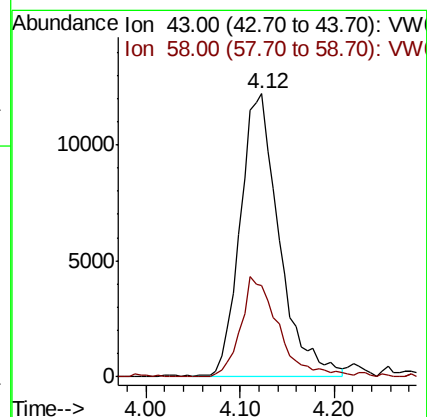
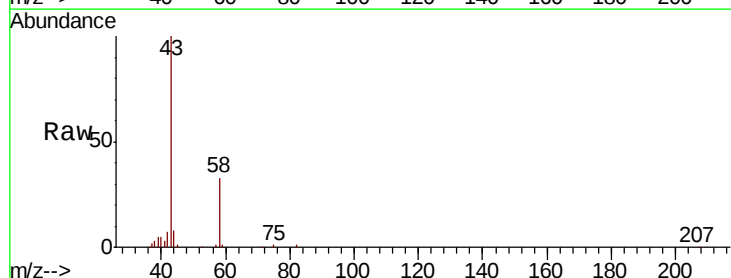
Acq: 09 Jan 2020 12:58

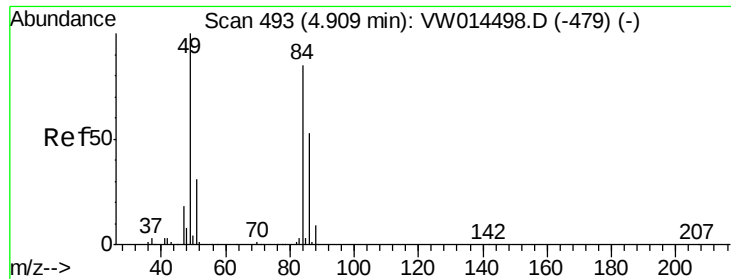
Tgt Ion: 43 Resp: 35281

Ion Ratio Lower Upper

43 100

58 32.5 26.6 39.8

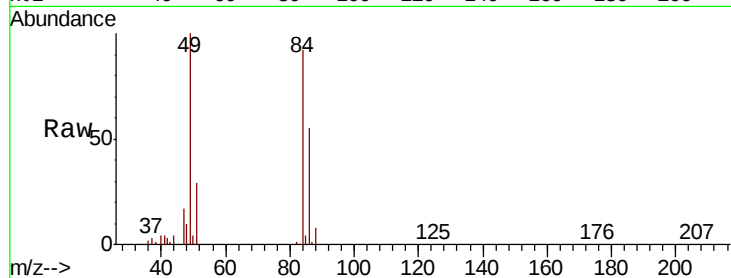




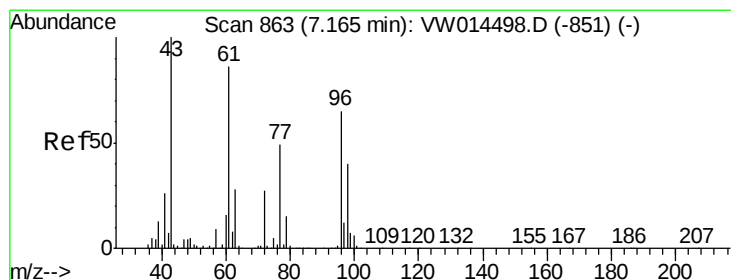
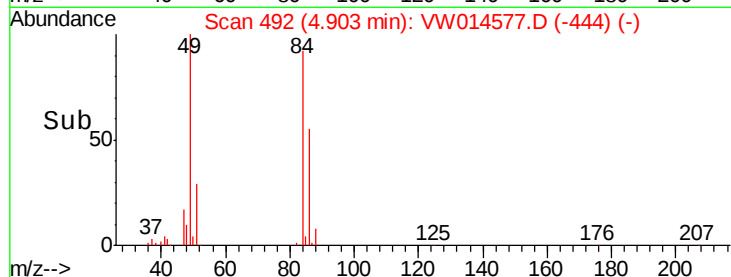
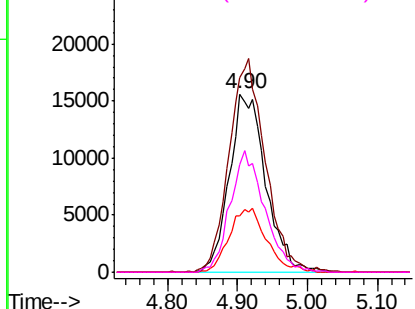
#20
Methvlene Chloride
Concen: 4.077 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW014577.D
Acq: 09 Jan 2020 12:58

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 56526
Ion Ratio Lower Upper
84 100
49 108.8 94.4 141.6
51 31.9 29.5 44.3
86 60.0 50.2 75.2

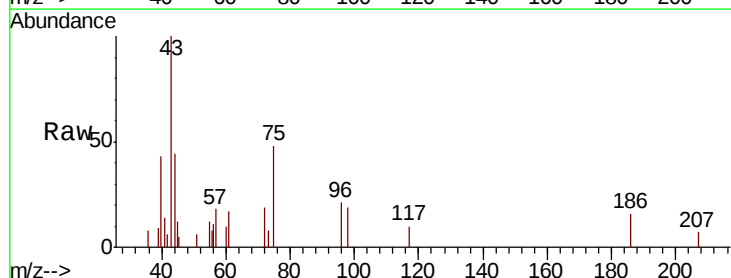


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

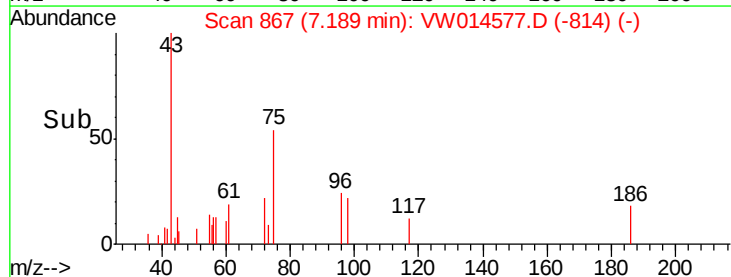
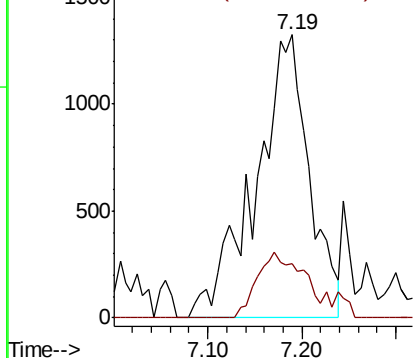


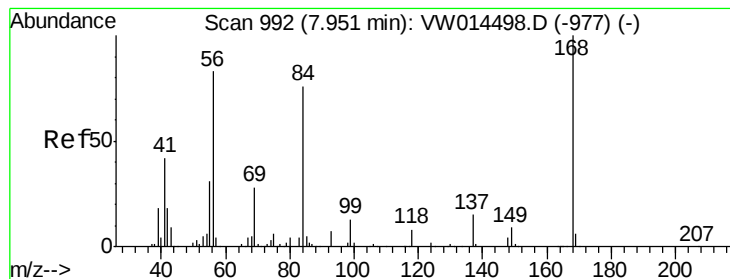
#25
2-Butanone
Concen: 2.410 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW014577.D
Acq: 09 Jan 2020 12:58

Tgt Ion: 43 Resp: 5253
Ion Ratio Lower Upper
43 100
72 19.2 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#31

Cyclohexane

Concen: 1.017 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW014577.D

Acq: 09 Jan 2020 12:58

Instrument :

MSVOA_W

ClientSampled :

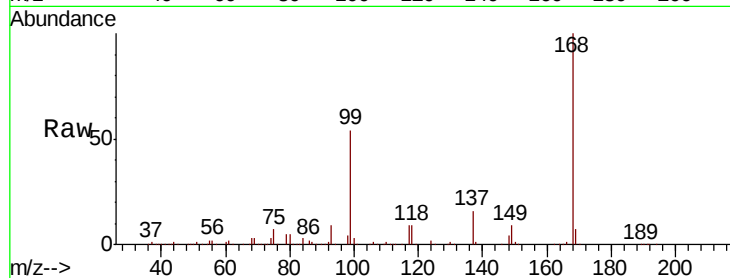
Tot Ion: 56 Resp: 13054

Ion Ratio Lower Upper

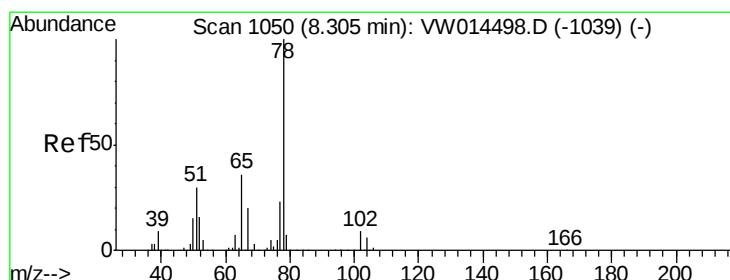
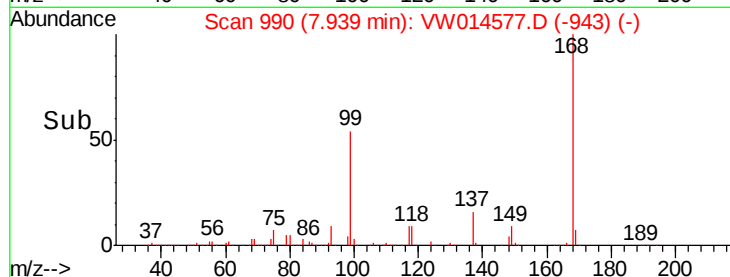
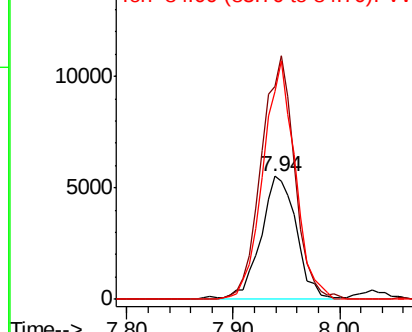
56 100

69 172.7 26.8 40.2#

84 169.3 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: 48.878 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW014577.D

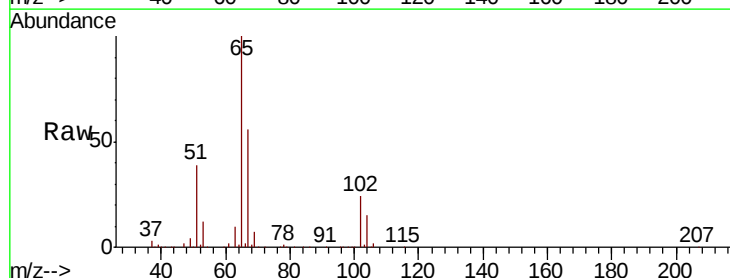
Acq: 09 Jan 2020 12:58

Tgt Ion: 65 Resp: 294057

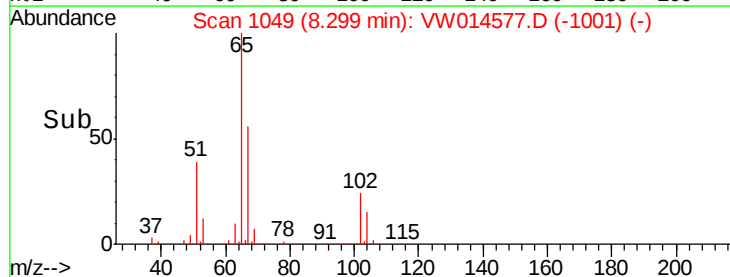
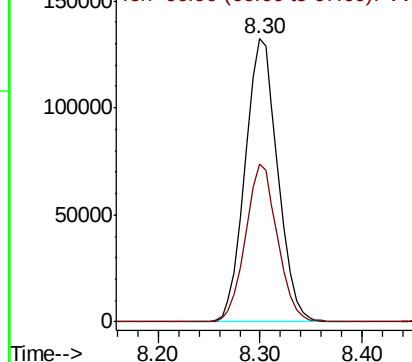
Ion Ratio Lower Upper

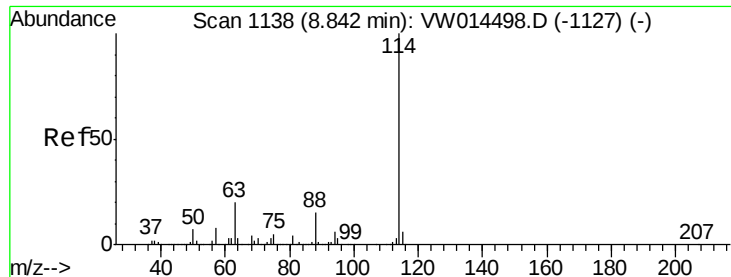
65 100

67 54.5 0.0 108.4



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

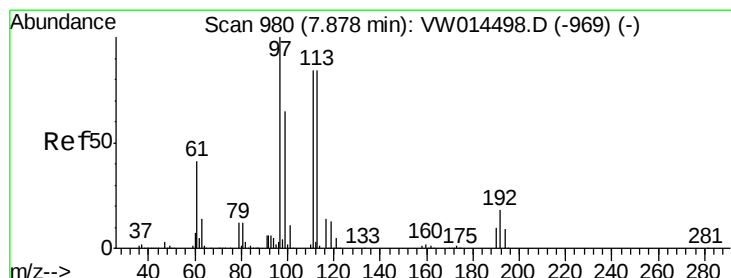
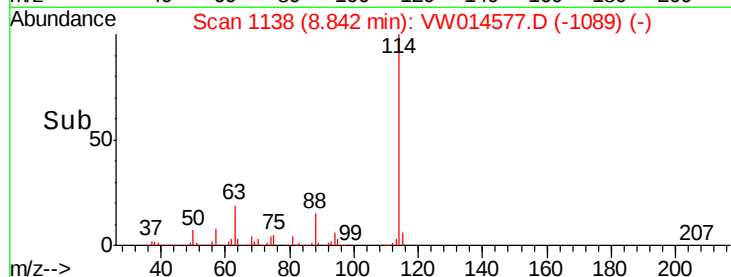
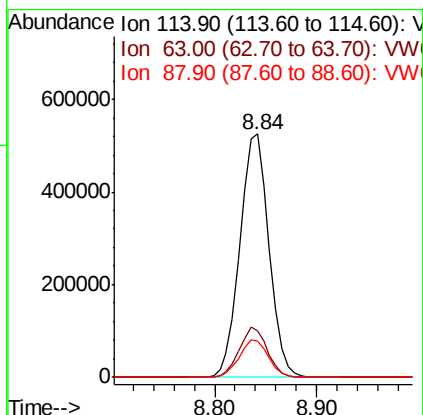
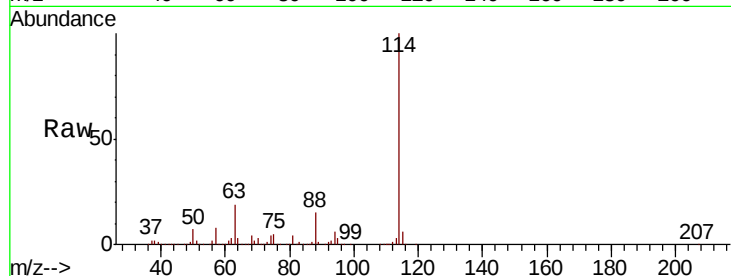




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW014577.D
 Acq: 09 Jan 2020 12:58

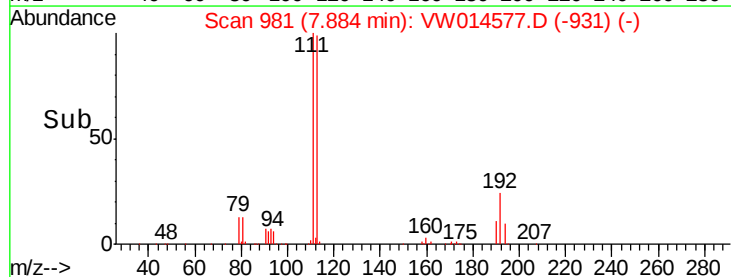
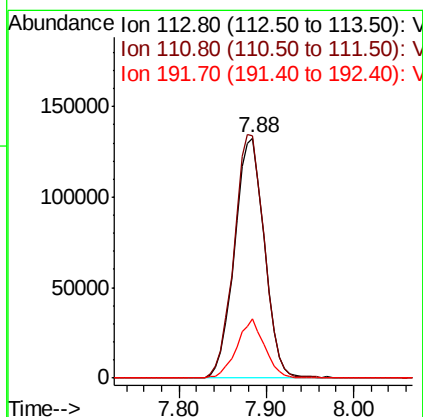
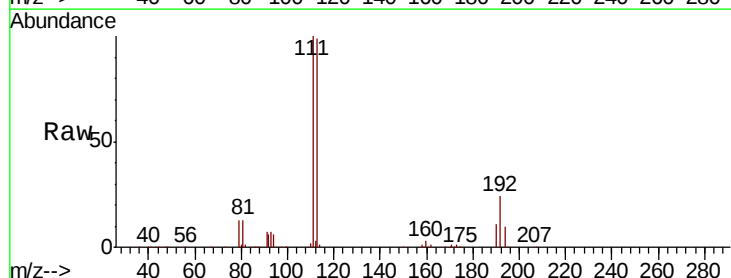
Instrument :
 MSVOA_W
 ClientSampleId :

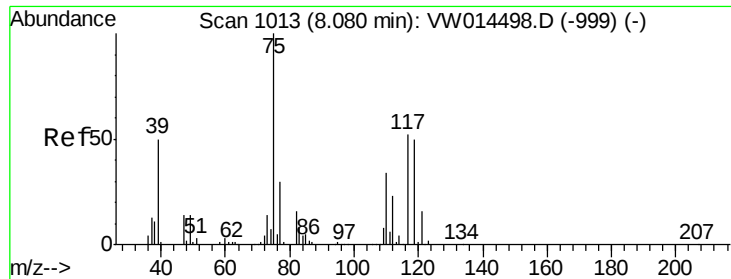
Tot Ion:114 Resp: 1040273
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.4
 88 15.0 0.0 30.6



#35
 Dibromofluoromethane
 Concen: 52.961 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014577.D
 Acq: 09 Jan 2020 12:58

Tgt Ion:113 Resp: 314873
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.4 122.2
 192 22.8 17.8 26.8

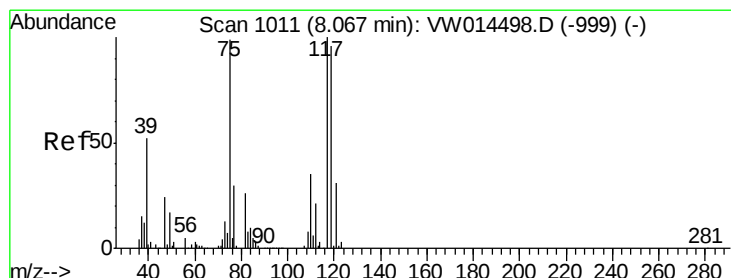
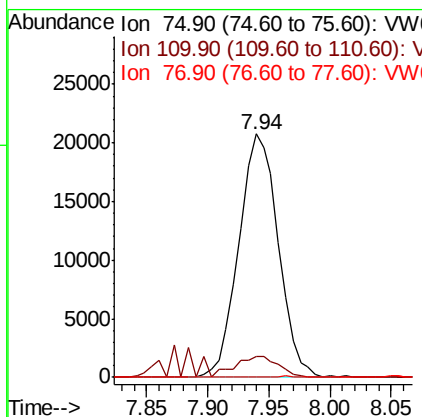
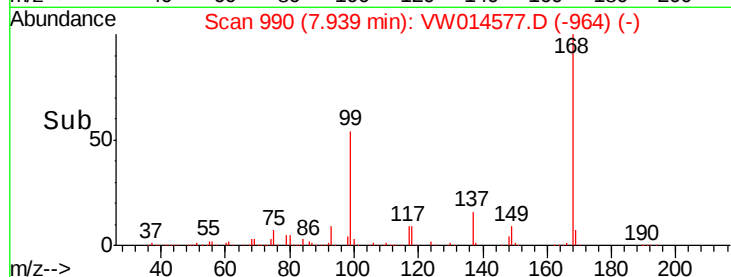
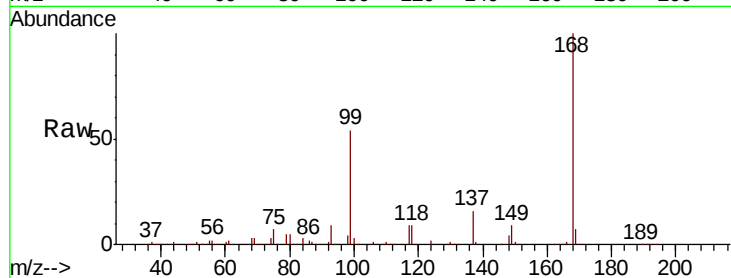




#36
 1,1-Dichloropropene
 Concen: 4.624 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014577.D
 Acq: 09 Jan 2020 12:58

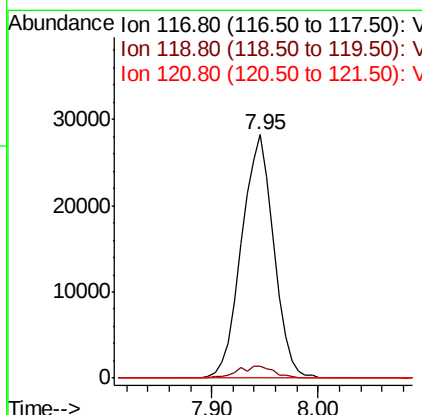
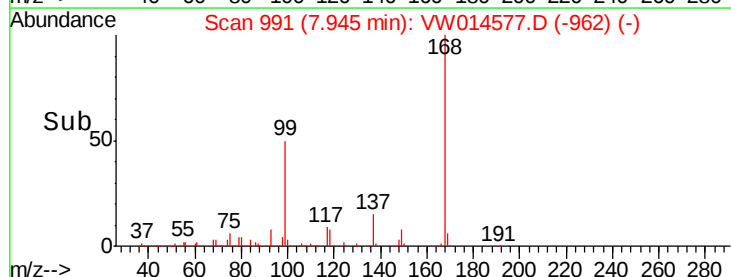
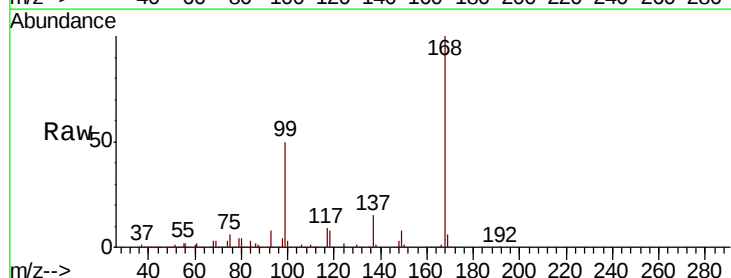
Instrument :
 MSVOA_W
 ClientSampled :

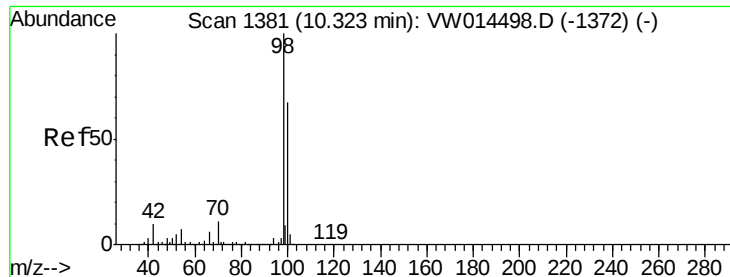
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.8	53.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.890 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW014577.D
 Acq: 09 Jan 2020 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.0	115.6#
121	0.0	24.6	36.8#

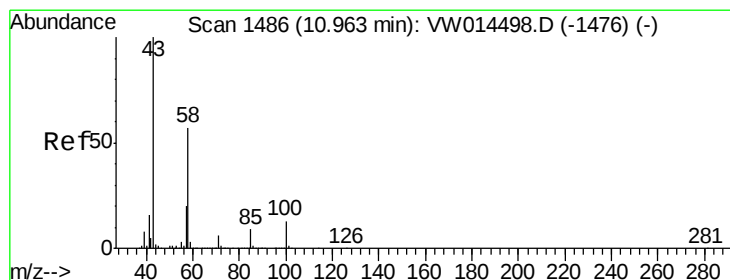
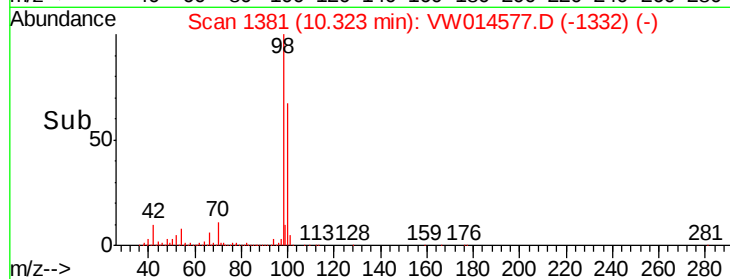
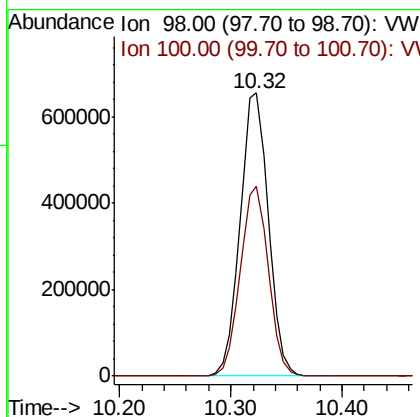
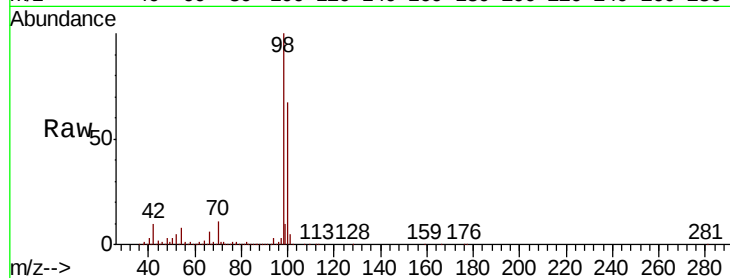




#50
Toluene-d8
Concen: 46.556 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW014577.D
Acq: 09 Jan 2020 12:58

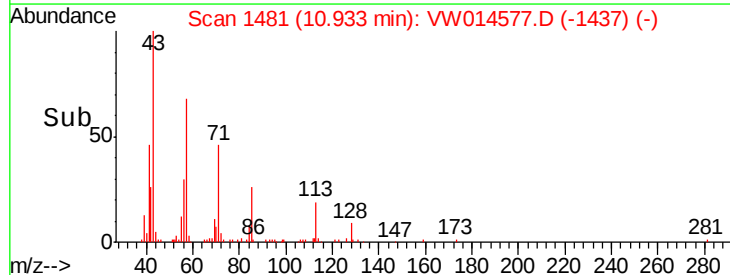
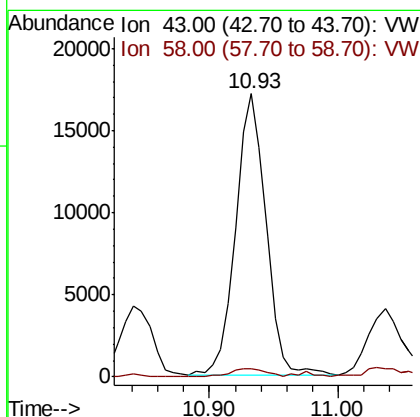
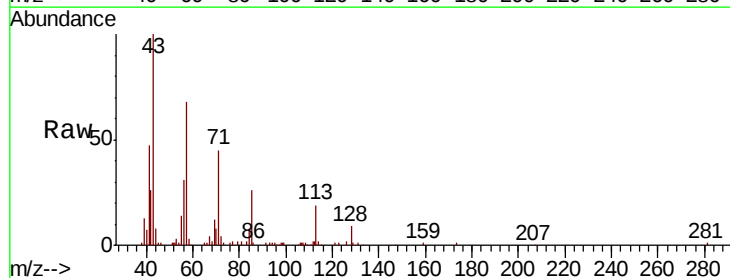
Instrument :
MSVOA_W
ClientSampleId :

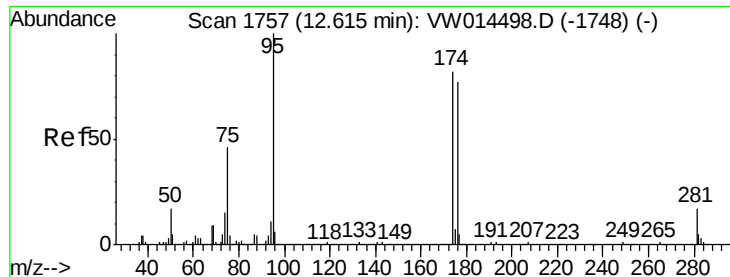
Tot Ion: 98 Resp: 1155112
Ion Ratio Lower Upper
98 100
100 66.9 53.8 80.6



#59
2-Hexanone
Concen: 9.451 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.03 min
Lab File: VW014577.D
Acq: 09 Jan 2020 12:58

Tgt Ion: 43 Resp: 27934
Ion Ratio Lower Upper
43 100
58 3.4 28.7 86.3#

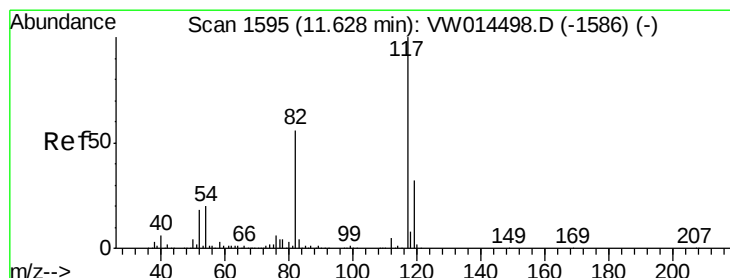
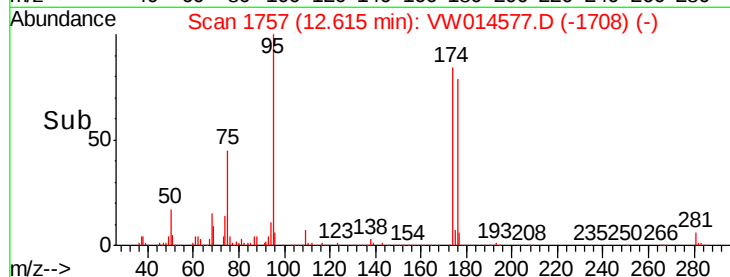
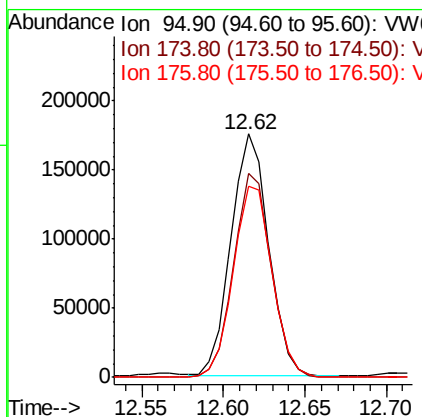
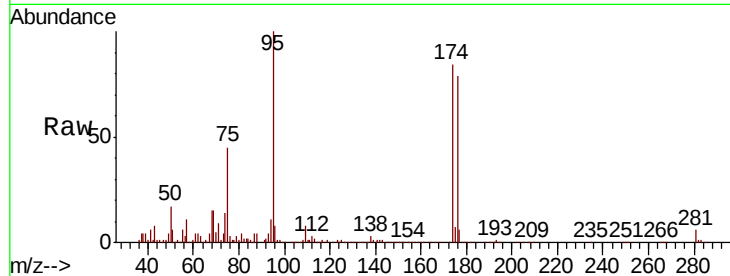




#62
4-Bromofluorobenzene
Concen: 33.389 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014577.D
Acq: 09 Jan 2020 12:58

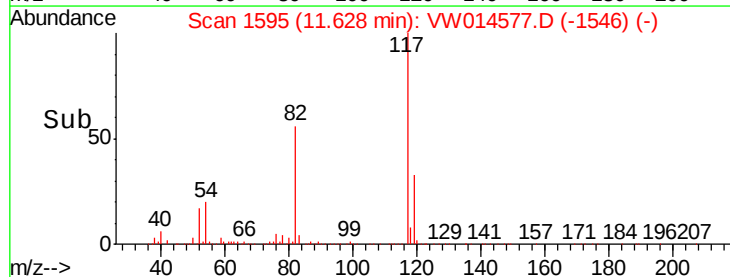
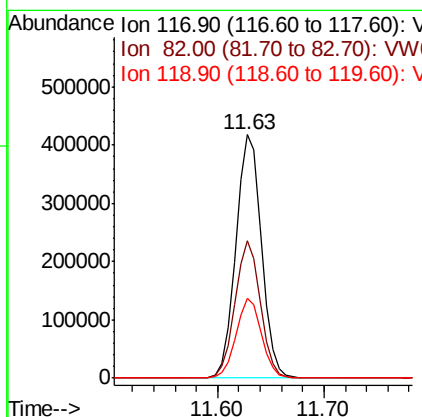
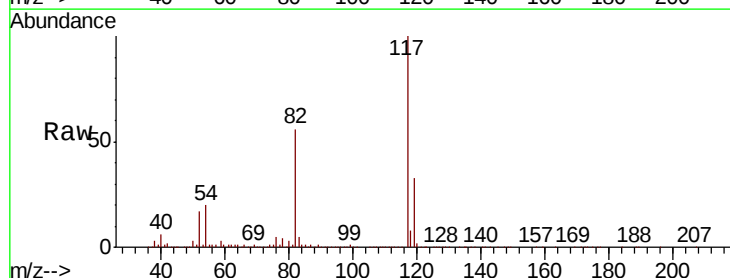
Instrument :
MSVOA_W
ClientSampleId :

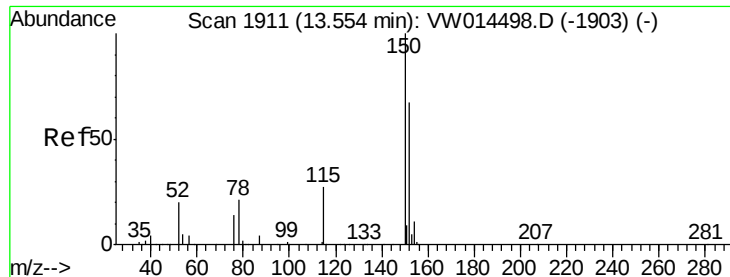
Tot Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	168.6
176	82.1	0.0	162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014577.D
Acq: 09 Jan 2020 12:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.6	67.0
119	33.0	25.7	38.5



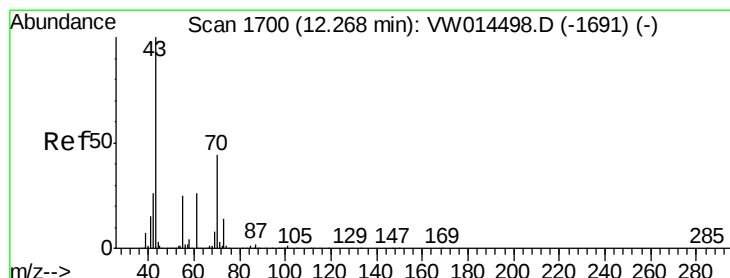
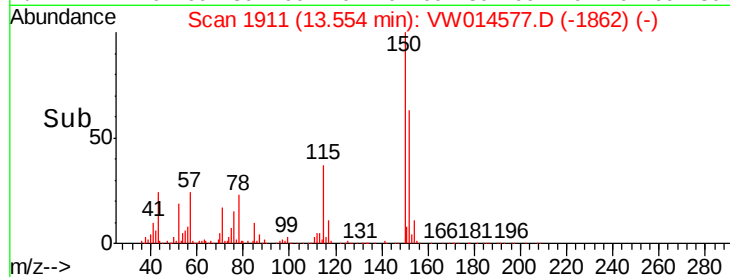
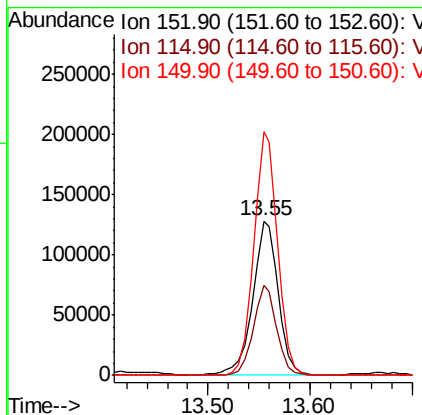
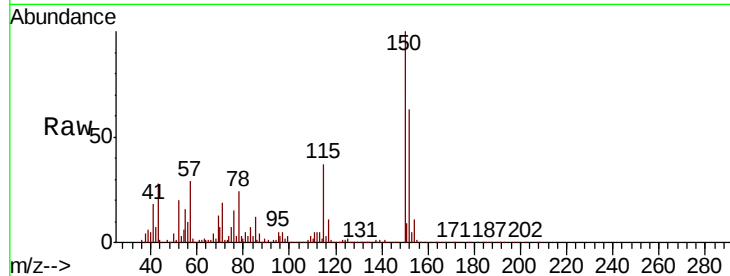


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014577.D
Acq: 09 Jan 2020 12:58

Instrument :
MSVOA_W
ClientSampleId :

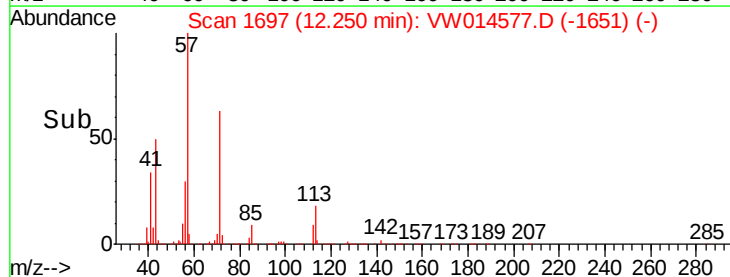
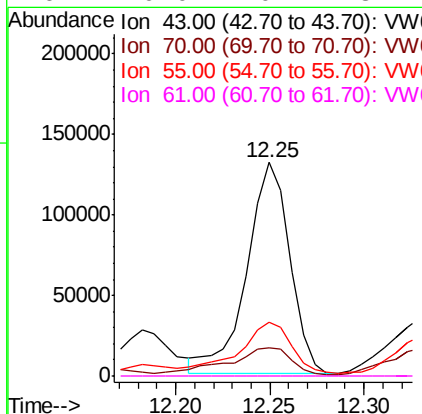
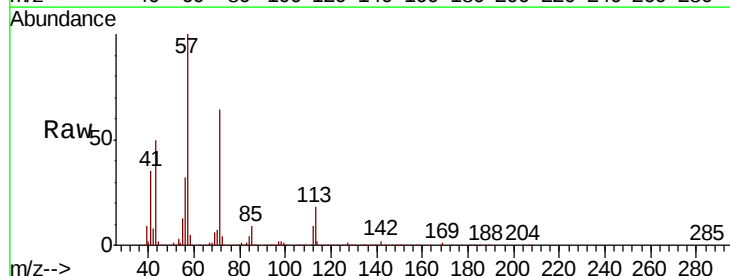
Tot Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.7	83.1
150	149.3	0.0	343.4

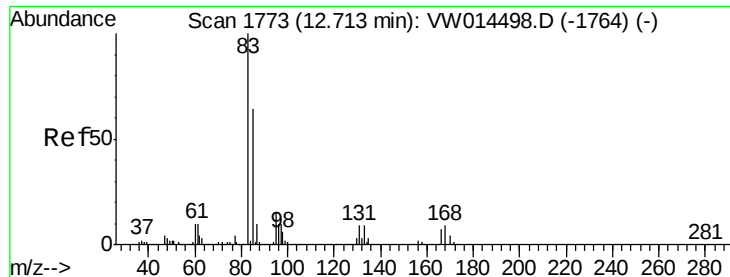


#74

N-ethyl acetate
Concen: 57.557 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW014577.D
Acq: 09 Jan 2020 12:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	18.5	36.5	54.7#
55	28.4	20.9	31.3
61	0.0	20.7	31.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 6.697 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW014577.D

Acq: 09 Jan 2020 12:58

Instrument :

MSVOA_W

ClientSampleId :

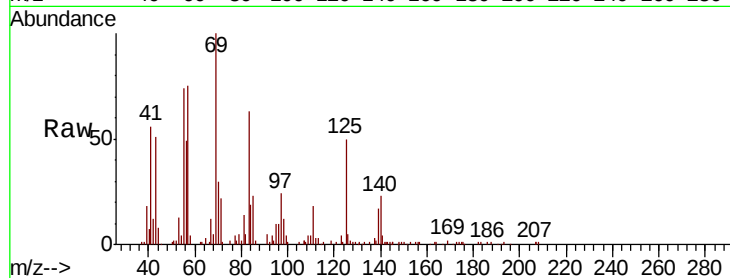
Tot Ion: 83 Resp: 19597

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

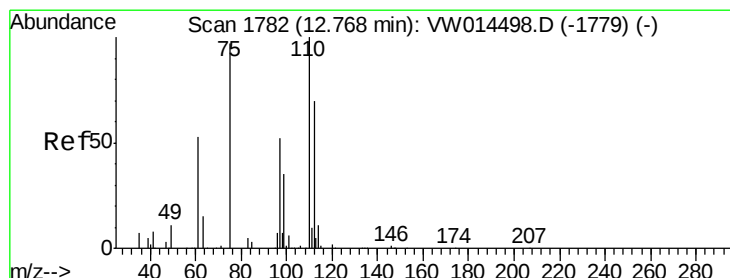
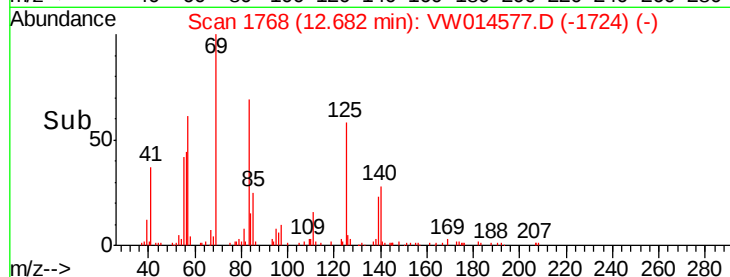
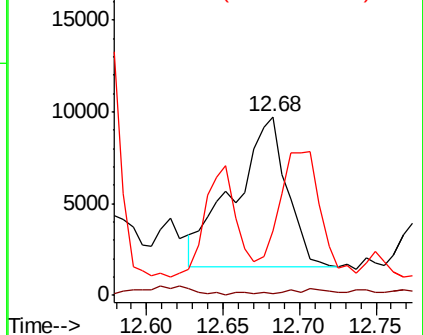
85 0.0 31.9 95.7#



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: 62.337 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014577.D

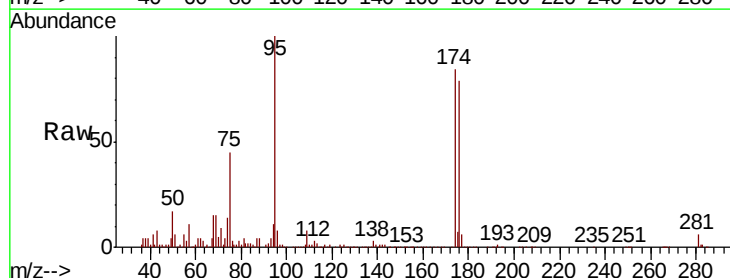
Acq: 09 Jan 2020 12:58

Tgt Ion: 75 Resp: 130219

Ion Ratio Lower Upper

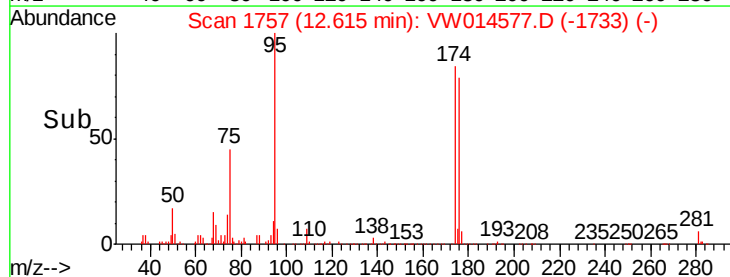
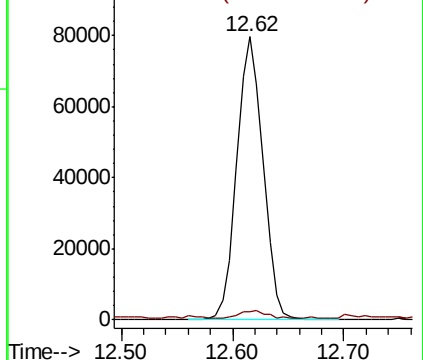
75 100

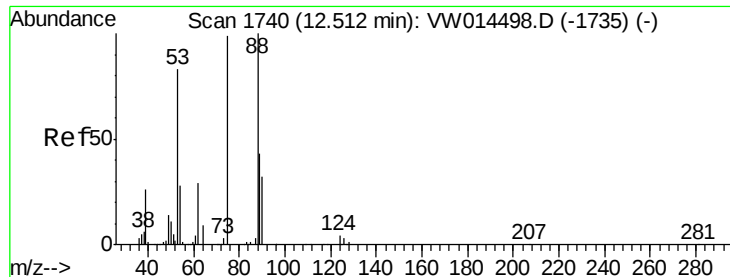
77 2.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

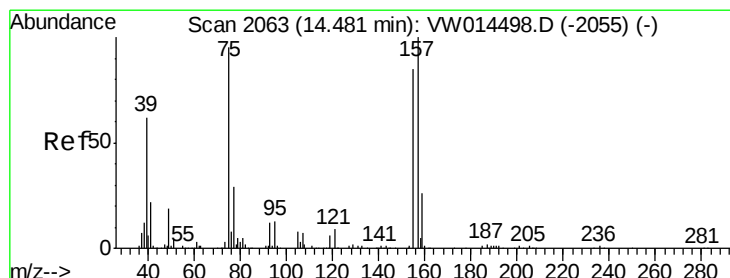
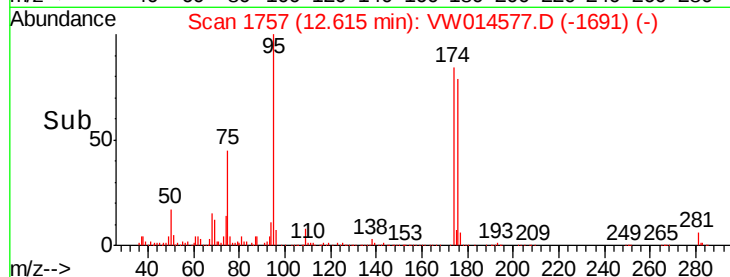
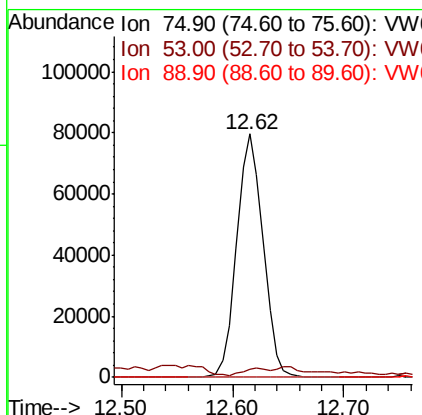
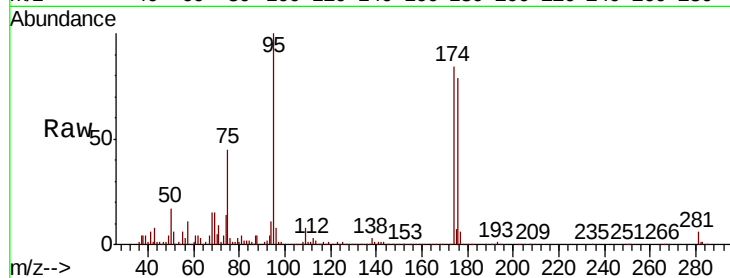




#81
trans-1,4-Dichloro-2-butene
Concen: 138.889 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW014577.D
Acq: 09 Jan 2020 12:58

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 130219
Ion Ratio Lower Upper
75 100
53 2.7 70.9 106.3#
89 0.0 35.8 53.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.556 ug/l
RT: 14.47 min Scan# 2062
Delta R.T. -0.01 min
Lab File: VW014577.D
Acq: 09 Jan 2020 12:58

Tgt Ion: 75 Resp: 721
Ion Ratio Lower Upper
75 100
155 0.0 45.8 137.4#
157 107.4 58.1 174.2

