

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014590.D
 Acq On : 09 Jan 2020 18:39
 Operator : SY/VA
 Sample : L1063-05
 Misc : 8.26G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 10 00:49:10 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

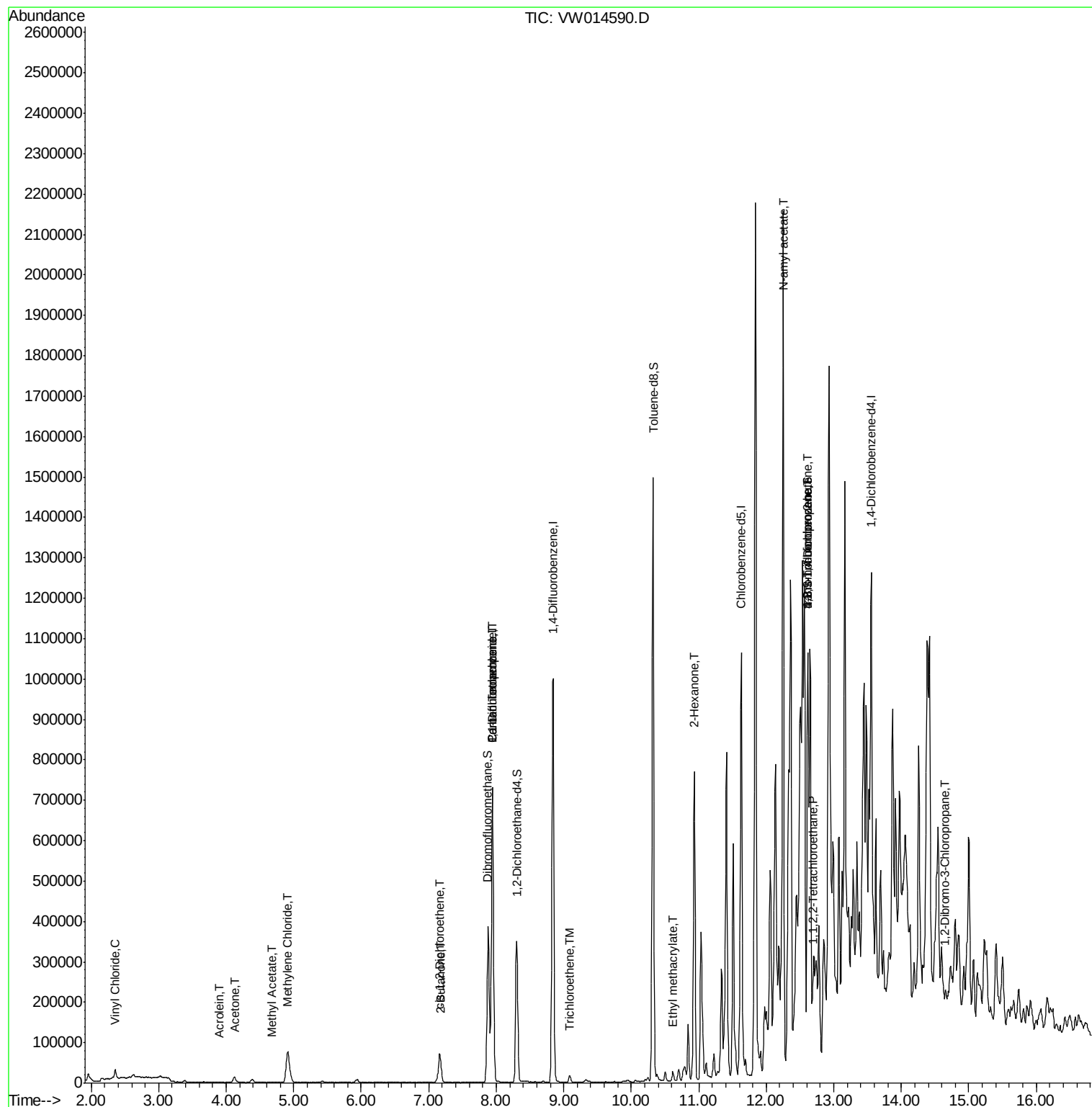
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	598768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	907254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	593527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	177687	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	276247	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
35) Dibromofluoromethane	7.88	113	285091	54.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.96%	
50) Toluene-d8	10.32	98	1035559	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.62	95	240150	32.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.44%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.36	62	15874	2.608	ug/l	92
11) Tert butyl alcohol	5.15	59	884	Below Cal	#	73
13) Acrolein	3.89	56	589	1.289	ug/l #	14
16) Acetone	4.12	43	25182	17.035	ug/l	100
18) Methyl Acetate	4.67	43	4705	1.318	ug/l #	75
20) Methylene Chloride	4.92	84	69498	7.812	ug/l	96
25) 2-Butanone	7.18	43	5572	2.937	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	40647	6.114	ug/l	93
36) 1,1-Dichloropropene	7.95	75	40329	4.611	ug/l #	50
38) Carbon Tetrachloride	7.95	117	52888	6.970	ug/l #	16
44) Trichloroethene	9.09	130	6802	1.016	ug/l	72
56) Ethyl methacrylate	10.62	69	6994	1.229	ug/l	89
59) 2-Hexanone	10.93	43	276573	107.298	ug/l #	27
74) N-amyl acetate	12.25	43	431069	147.458	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.68	83	10902	4.633	ug/l #	27
76) 1,2,3-Trichloropropane	12.62	75	109906	65.420	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	109906	145.759	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.65	75	533	1.430	ug/l	54

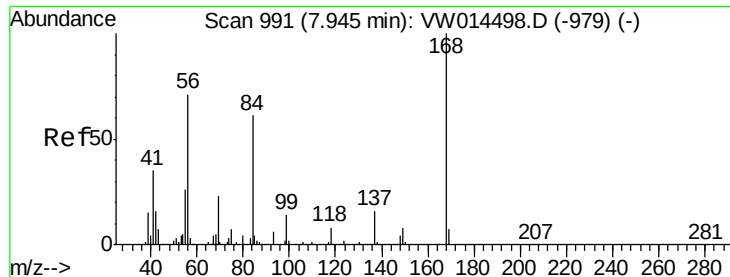
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW014590.D

Acq: 09 Jan 2020 18:39

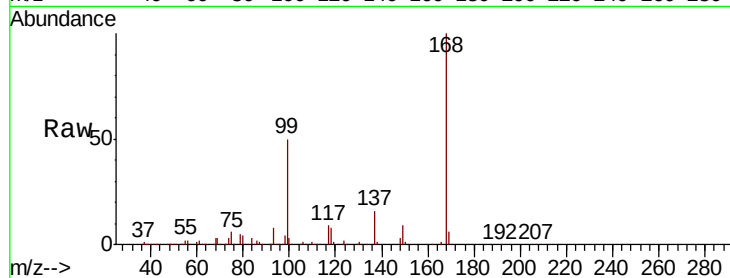
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 598768

Ion Ratio Lower Upper

168 100

99 50.1 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

250000

200000

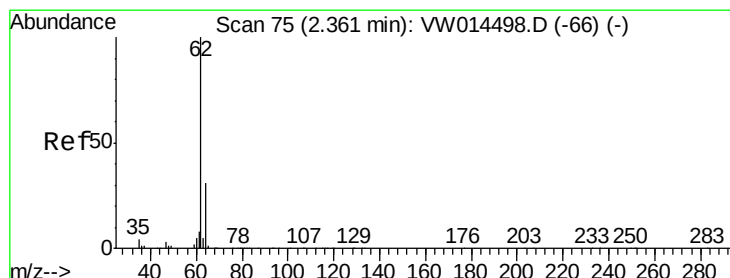
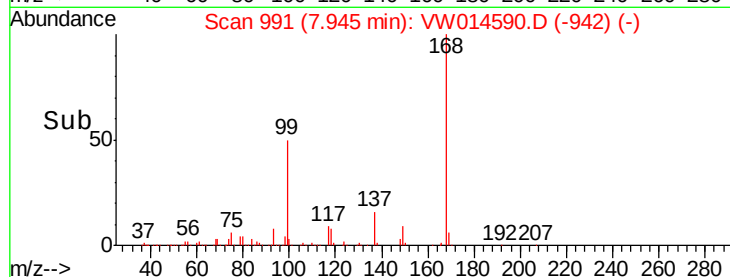
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#4

Vinyl Chloride

Concen: 2.608 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW014590.D

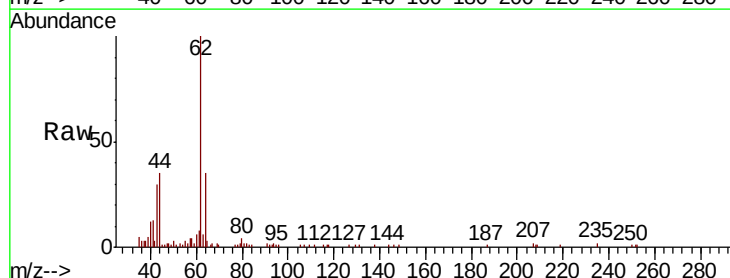
Acq: 09 Jan 2020 18:39

Tgt Ion: 62 Resp: 15874

Ion Ratio Lower Upper

62 100

64 35.5 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

2.36

10000

8000

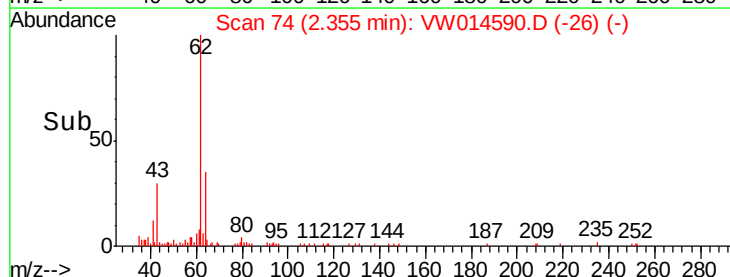
6000

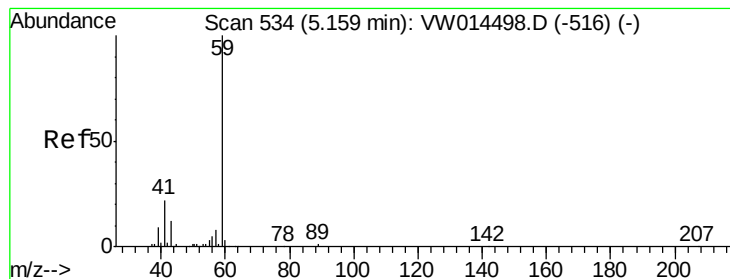
4000

2000

0

Time--> 2.30 2.35 2.40 2.45



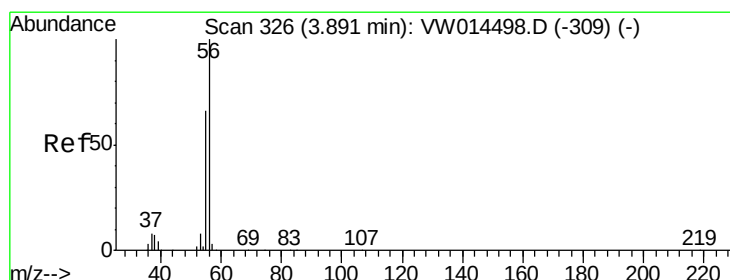
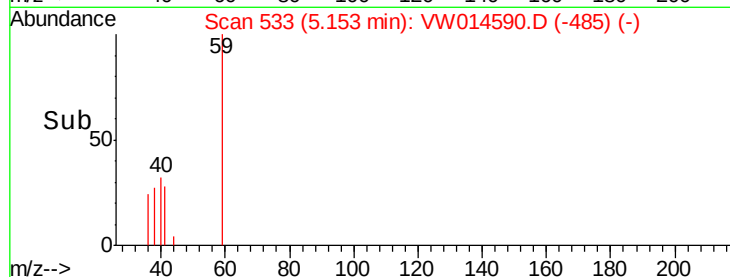
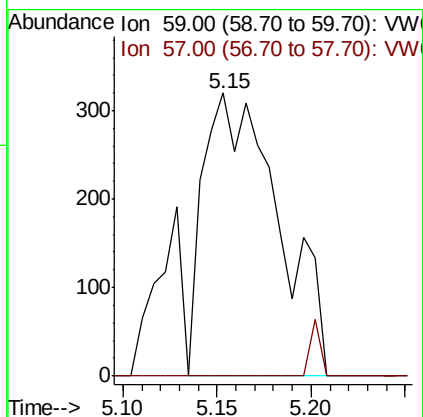
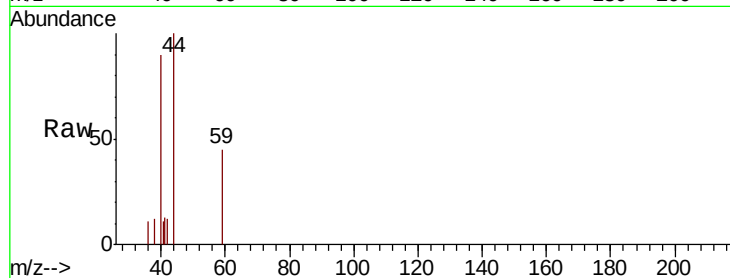


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.15 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VW014590.D
 Acq: 09 Jan 2020 18:39

Instrument :
 MSVOA_W
 ClientSampled :

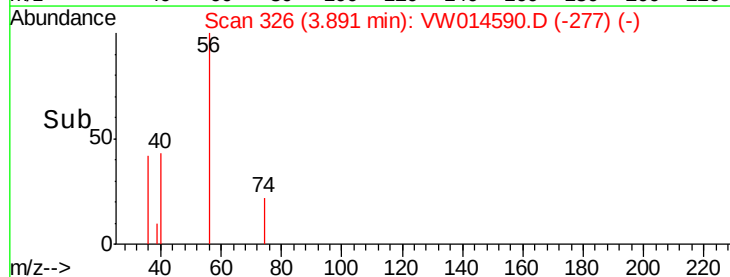
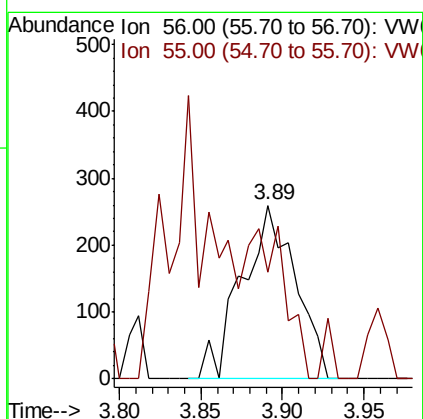
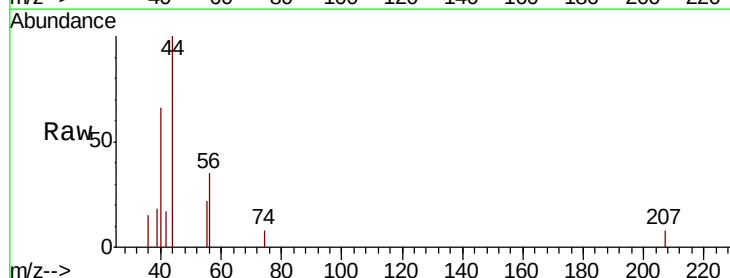
Tot Ion: 59 Resp: 884
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

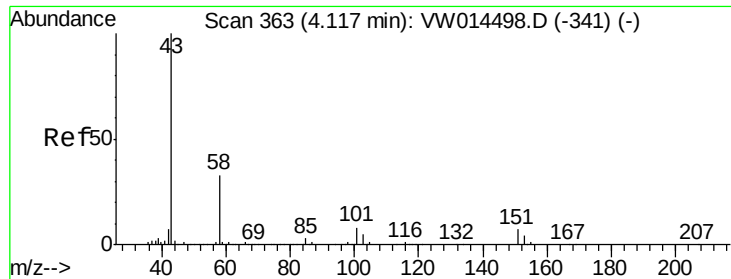


#13

Acrolein
 Concen: 1.289 ug/l
 RT: 3.89 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VW014590.D
 Acq: 09 Jan 2020 18:39

Tgt Ion: 56 Resp: 589
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.7 85.1#





#16

Acetone

Concen: 17.035 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW014590.D

Acq: 09 Jan 2020 18:39

Instrument :

MSVOA_W

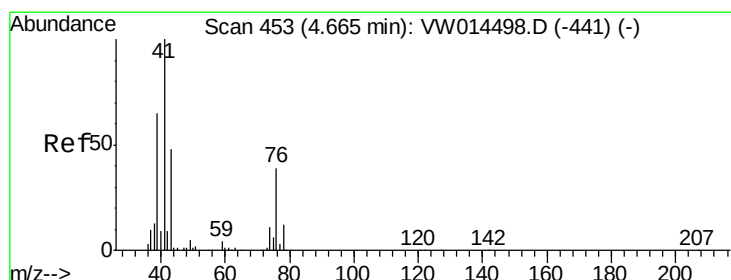
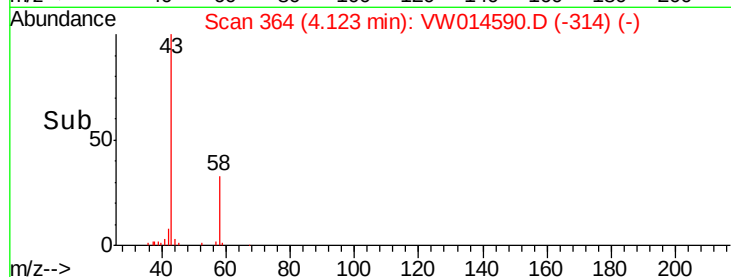
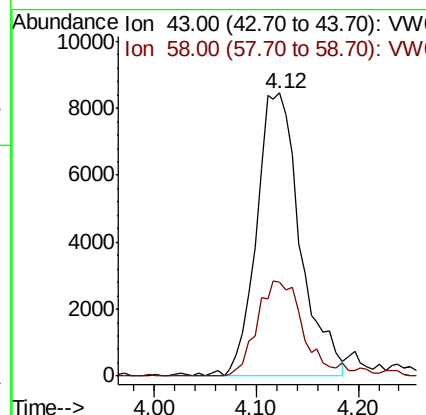
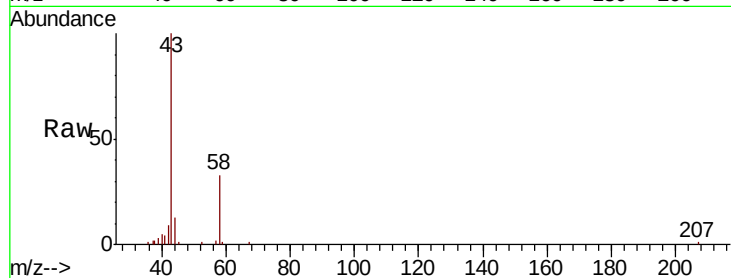
ClientSampleId :

Tot Ion: 43 Resp: 25182

Ion Ratio Lower Upper

43 100

58 33.1 26.6 39.8



#18

Methyl Acetate

Concen: 1.318 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW014590.D

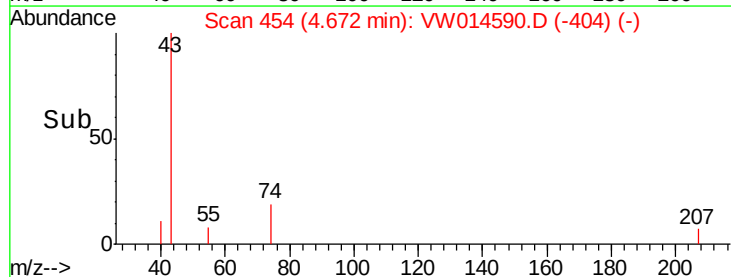
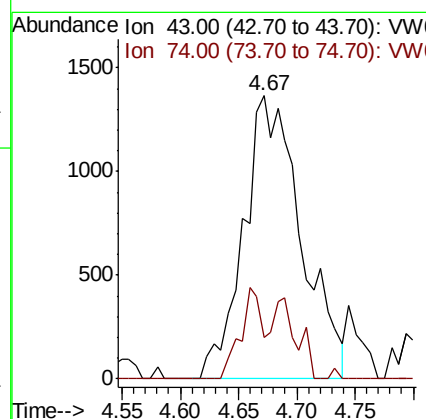
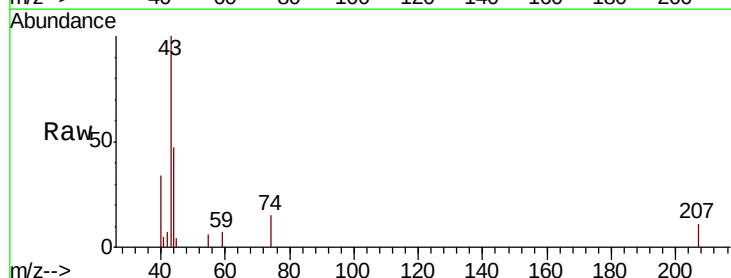
Acq: 09 Jan 2020 18:39

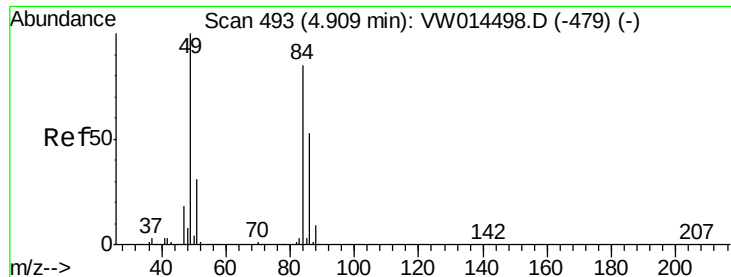
Tgt Ion: 43 Resp: 4705

Ion Ratio Lower Upper

43 100

74 11.8 19.3 28.9#

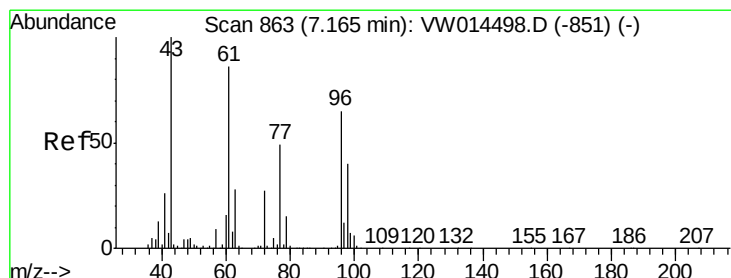
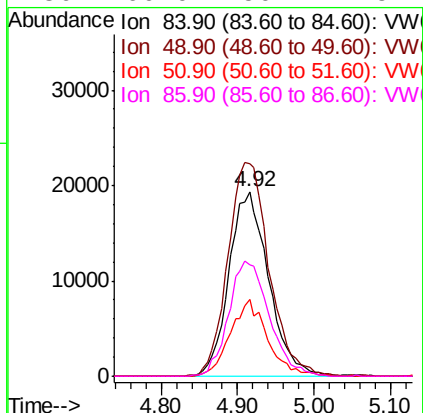
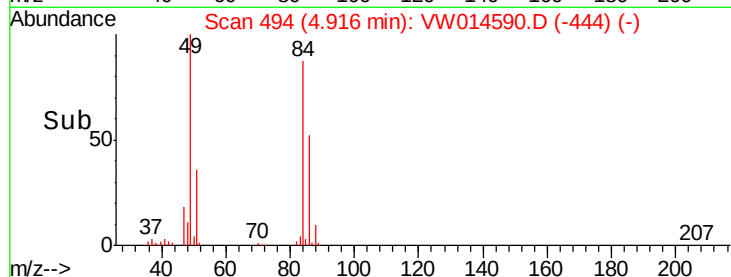
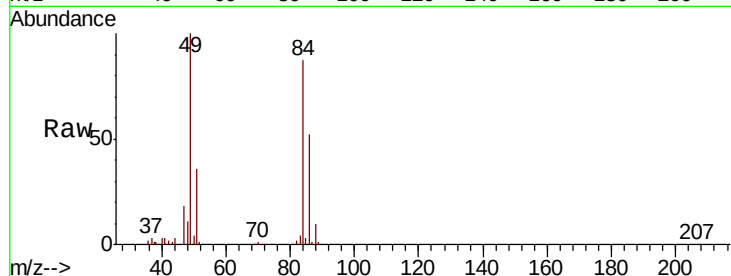




#20
Methvlene Chloride
Concen: 7.812 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW014590.D
Acq: 09 Jan 2020 18:39

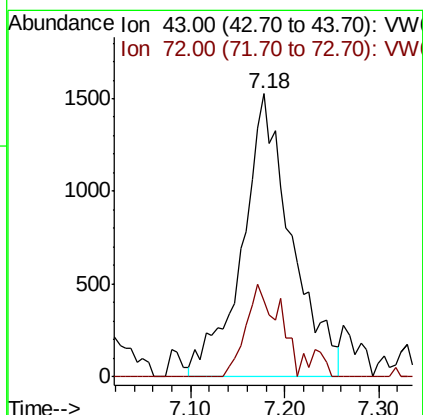
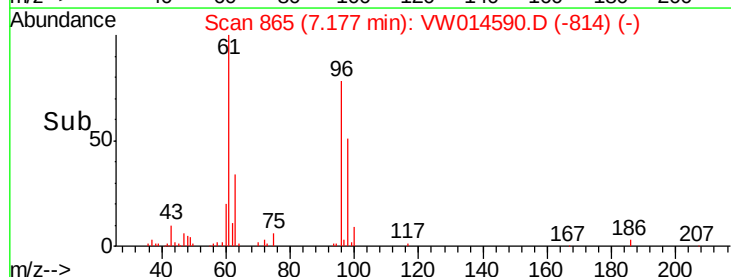
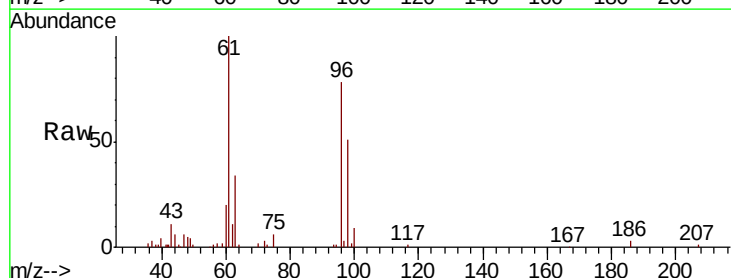
Instrument :
MSVOA_W
ClientSampleId :

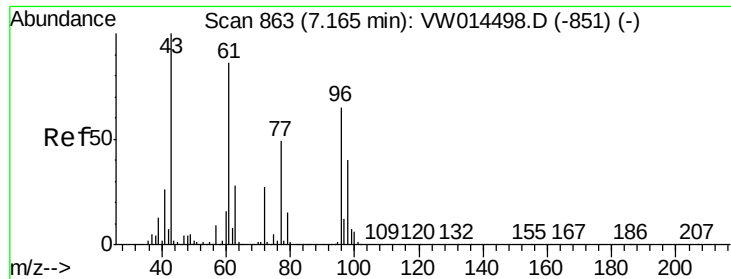
Tot Ion: 84 Resp: 69498
Ion Ratio Lower Upper
84 100
49 114.2 94.4 141.6
51 41.5 29.5 44.3
86 60.0 50.2 75.2



#25
2-Butanone
Concen: 2.937 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW014590.D
Acq: 09 Jan 2020 18:39

Tgt Ion: 43 Resp: 5572
Ion Ratio Lower Upper
43 100
72 27.8 21.9 32.9



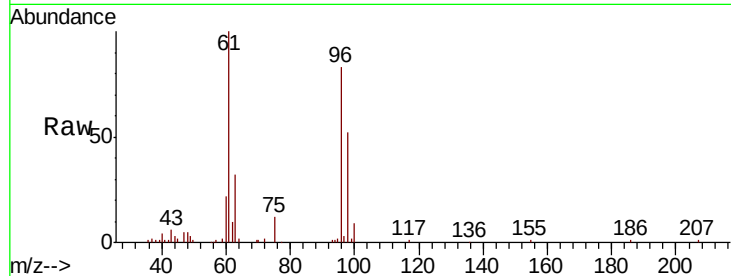


#27

cis-1,2-Dichloroethene
 Concen: 6.114 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW014590.D
 Acq: 09 Jan 2020 18:39

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	96	Resp	40647
Ion	Ratio	Lower	Upper
96	100		
61	126.6	0.0	274.8
98	62.6	0.0	128.6

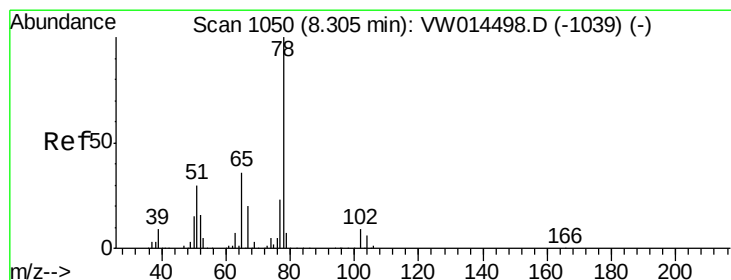
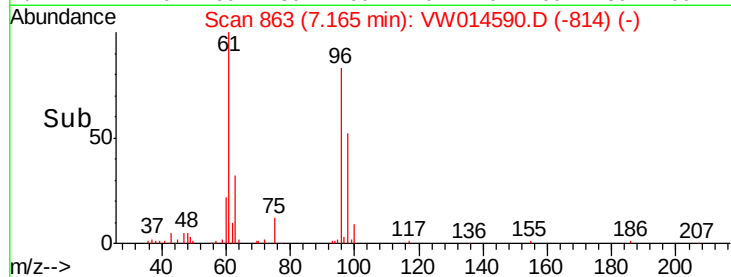
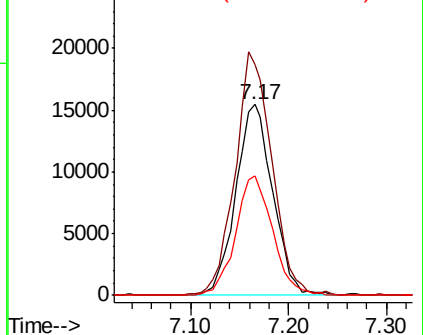


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

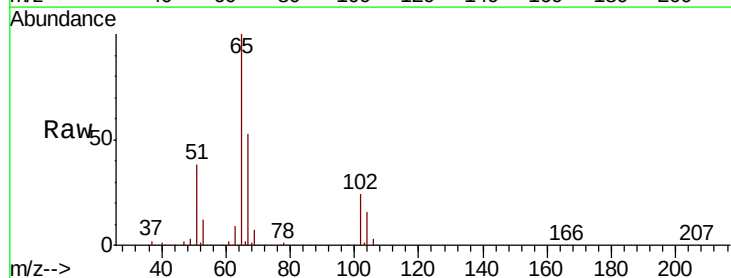
Ion 97.90 (97.60 to 98.60): VW



#33

1,2-Dichloroethane-d4
 Concen: 52.768 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014590.D
 Acq: 09 Jan 2020 18:39

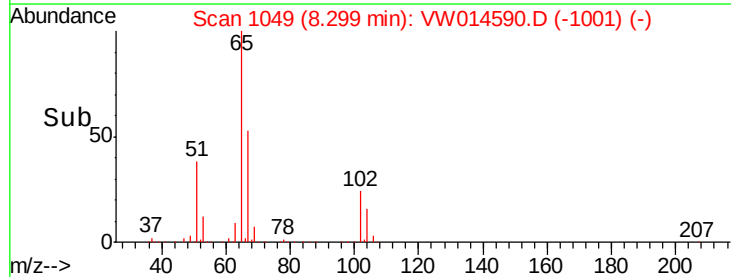
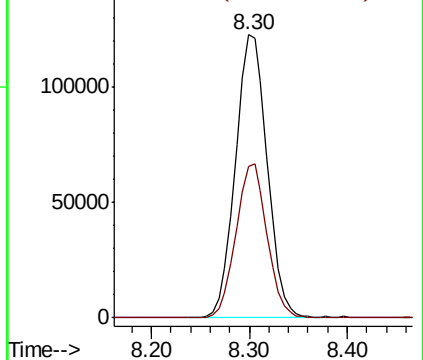
Tgt Ion	65	Resp	276247
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	108.4

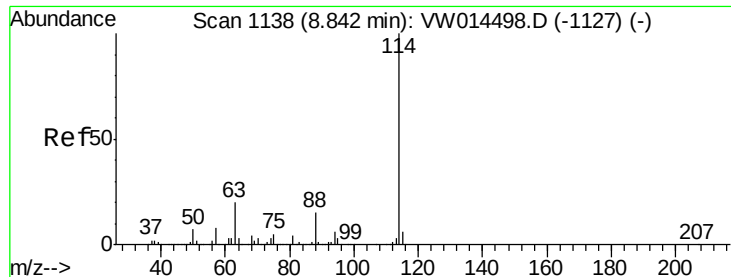


Abundance

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: VW014590.D

Acq: 09 Jan 2020 18:39

Instrument :

MSVOA_W

ClientSampleId :

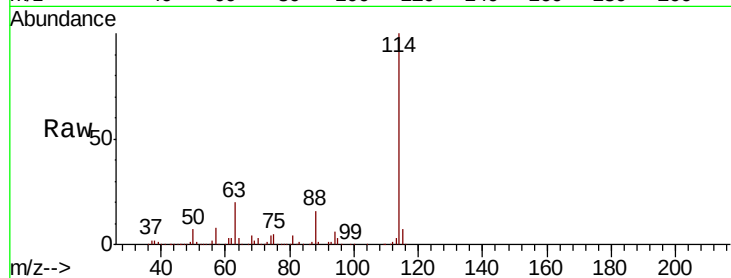
Tot Ion:114 Resp: 907254

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.4

88 15.9 0.0 30.6



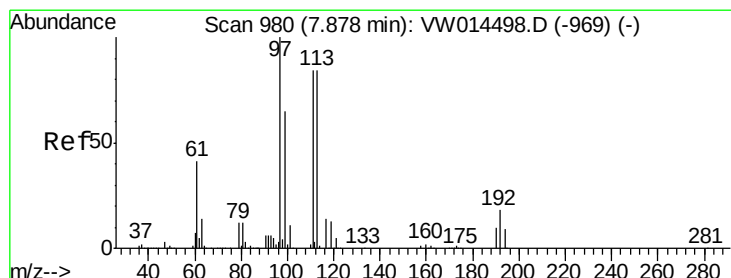
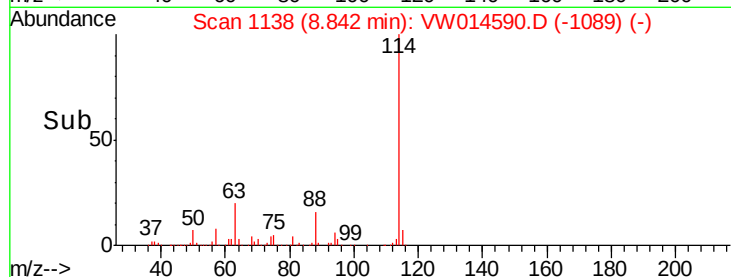
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

Time--> 8.70 8.80 8.90



#35

Dibromofluoromethane

Concen: 54.983 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW014590.D

Acq: 09 Jan 2020 18:39

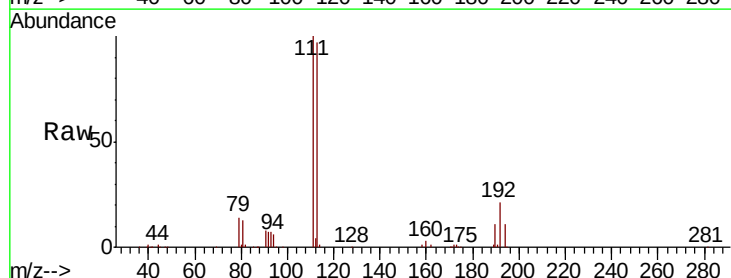
Tgt Ion:113 Resp: 285091

Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.2

192 22.9 17.8 26.8



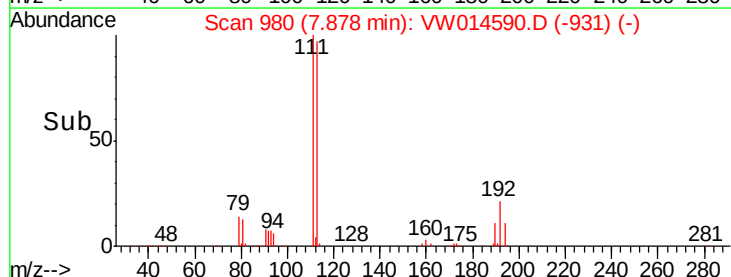
Abundance Ion 112.80 (112.50 to 113.50): V

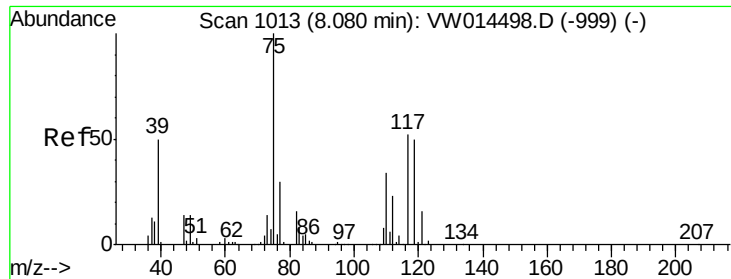
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.88

Time--> 7.80 7.90 8.00

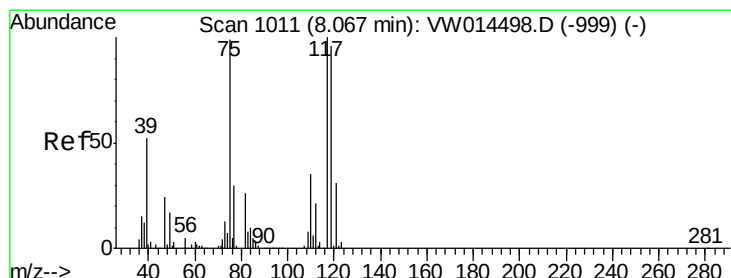
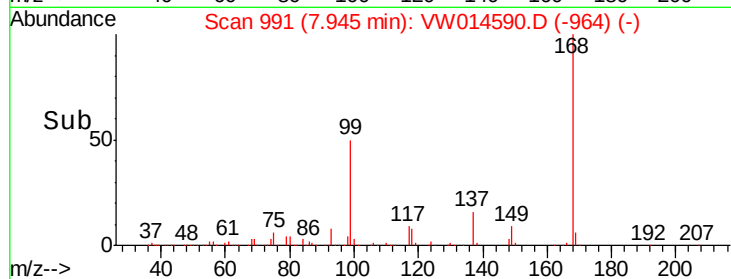
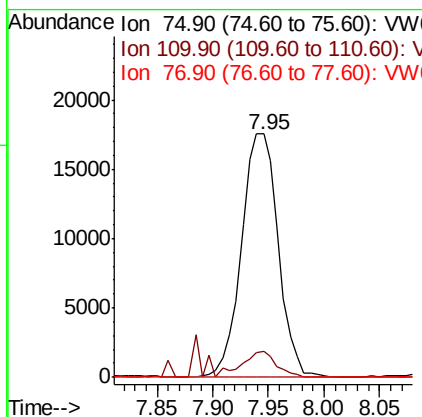
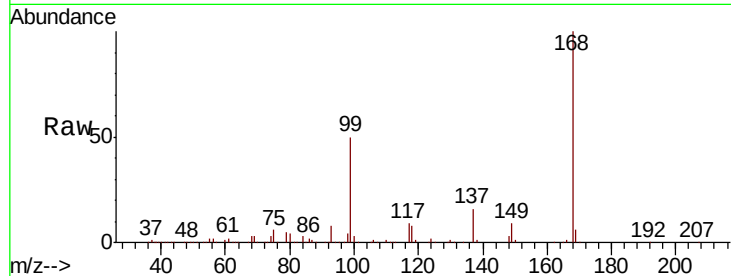




#36
 1,1-Dichloropropene
 Concen: 4.611 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW014590.D
 Acq: 09 Jan 2020 18:39

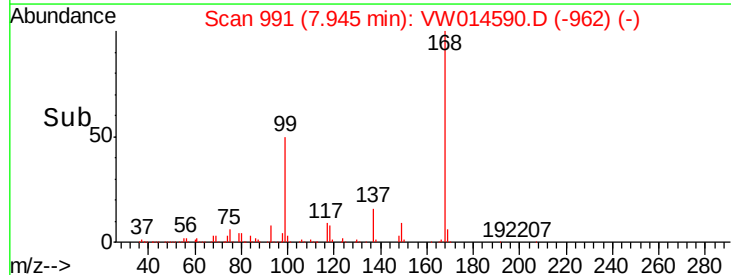
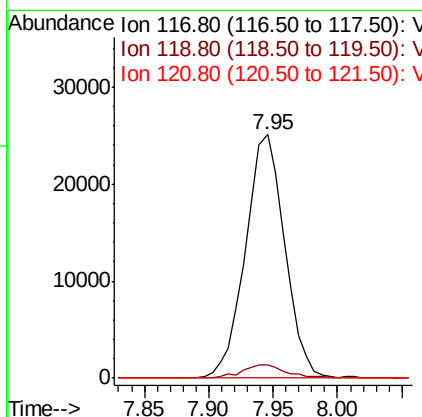
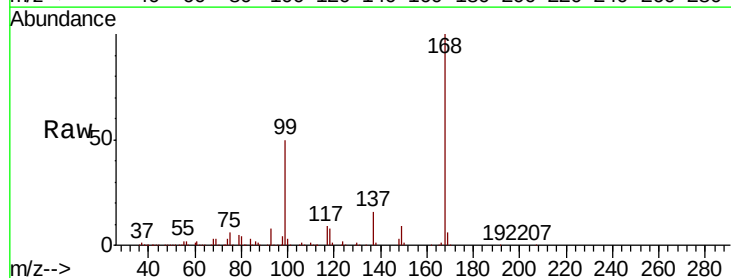
Instrument :
 MSVOA_W
 ClientSampled :

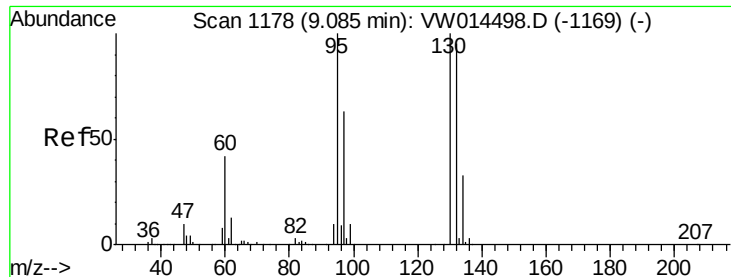
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.8	53.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.970 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW014590.D
 Acq: 09 Jan 2020 18:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.0	115.6#
121	0.0	24.6	36.8#





#44

Trichloroethene

Concen: 1.016 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW014590.D

Acq: 09 Jan 2020 18:39

Instrument :

MSVOA_W

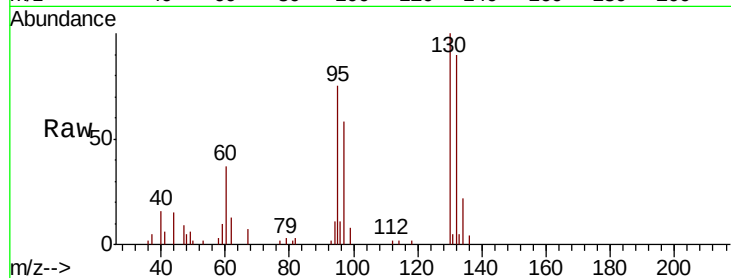
ClientSampleId :

Tot Ion:130 Resp: 6802

Ion Ratio Lower Upper

130 100

95 71.7 0.0 199.4



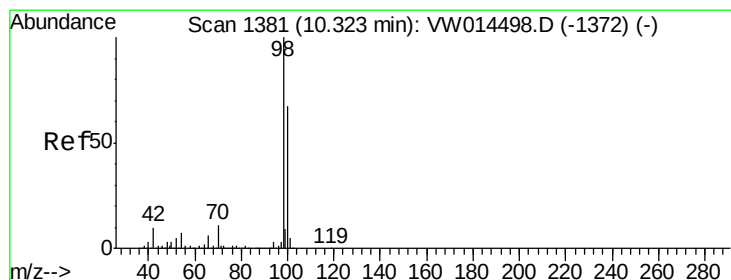
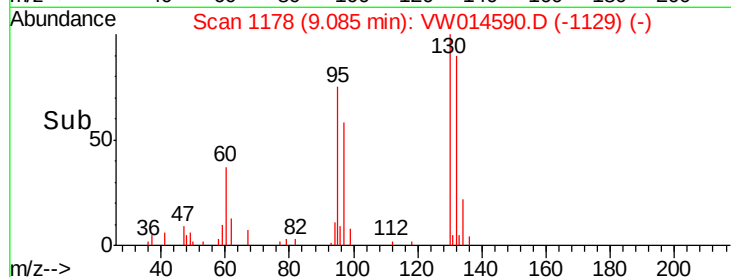
Abundance Ion 129.80 (129.50 to 130.50): VW

Ion 94.90 (94.60 to 95.60): VW

9.09

Time-->

9.00 9.05 9.10 9.15



#50

Toluene-d8

Concen: 47.857 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW014590.D

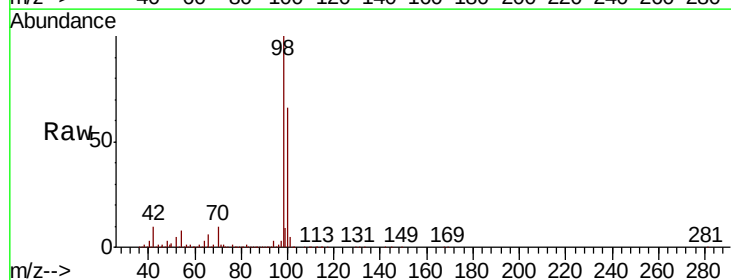
Acq: 09 Jan 2020 18:39

Tgt Ion: 98 Resp: 1035559

Ion Ratio Lower Upper

98 100

100 65.9 53.8 80.6



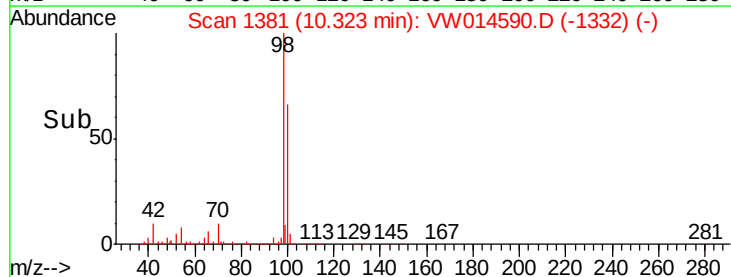
Abundance Ion 98.00 (97.70 to 98.70): VW

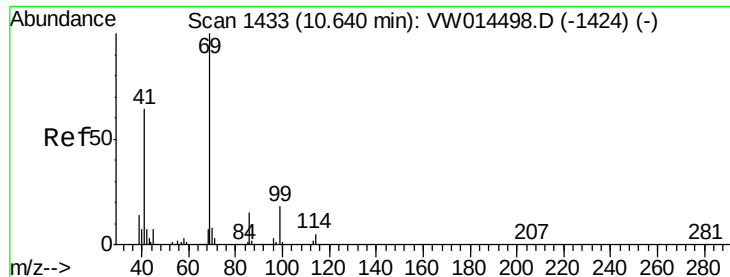
Ion 100.00 (99.70 to 100.70): VW

10.32

Time-->

10.20 10.30 10.40

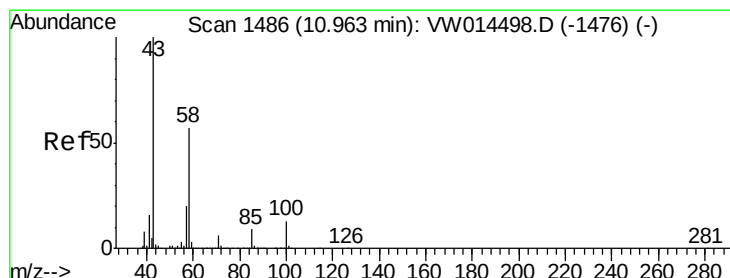
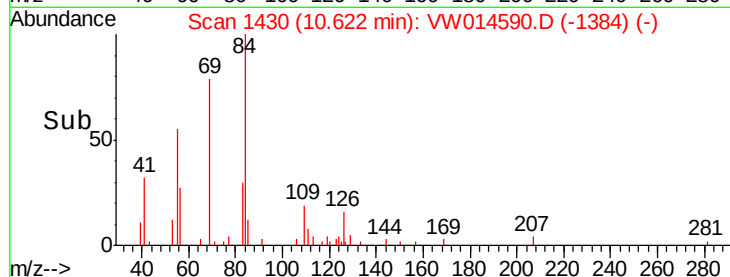
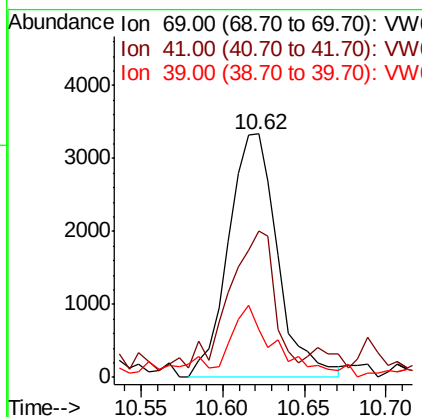
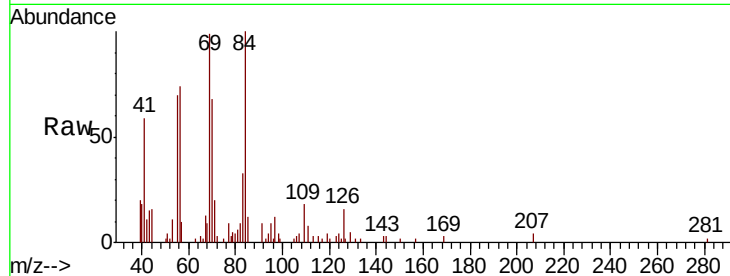




#56
Ethyl methacrylate
Concen: 1.229 ug/l
RT: 10.62 min Scan# 1430
Delta R.T. -0.02 min
Lab File: VW014590.D
Acq: 09 Jan 2020 18:39

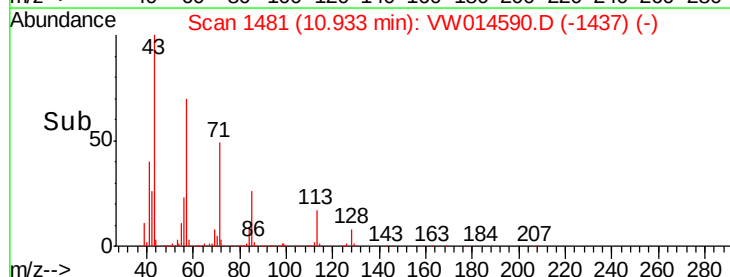
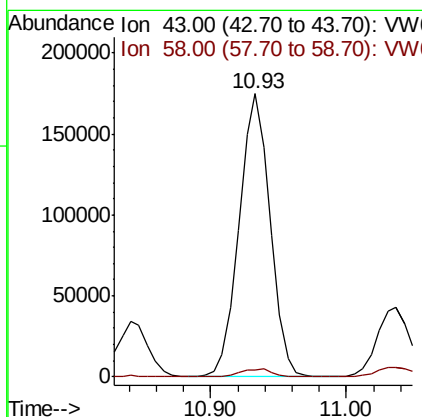
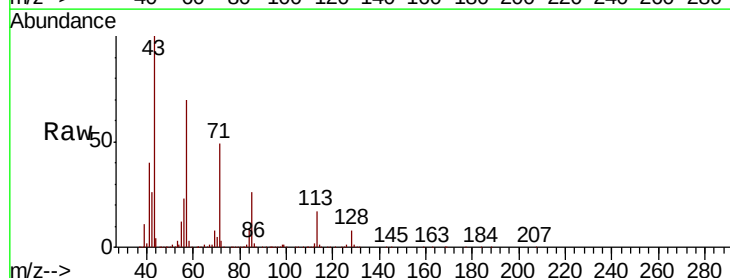
Instrument :
MSVOA_W
ClientSampleId :

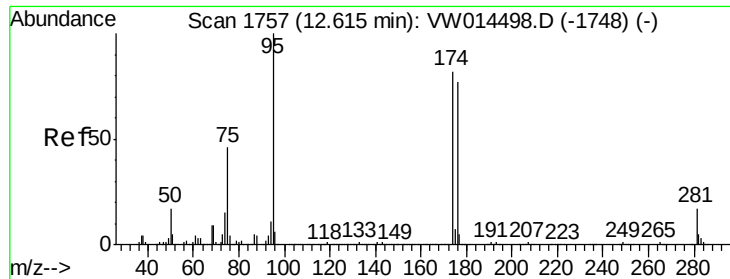
Tot Ion: 69 Resp: 6994
Ion Ratio Lower Upper
69 100
41 54.0 51.3 76.9
39 22.5 21.0 31.6



#59
2-Hexanone
Concen: 107.298 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.03 min
Lab File: VW014590.D
Acq: 09 Jan 2020 18:39

Tgt Ion: 43 Resp: 276573
Ion Ratio Lower Upper
43 100
58 3.2 28.7 86.3#

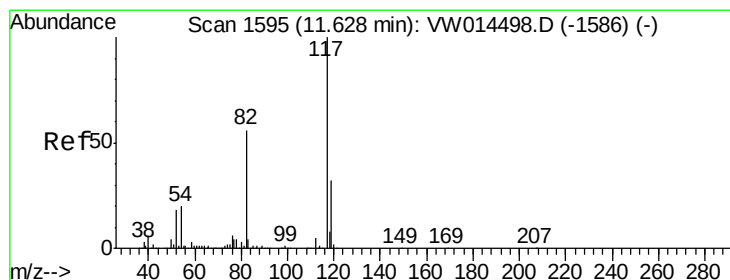
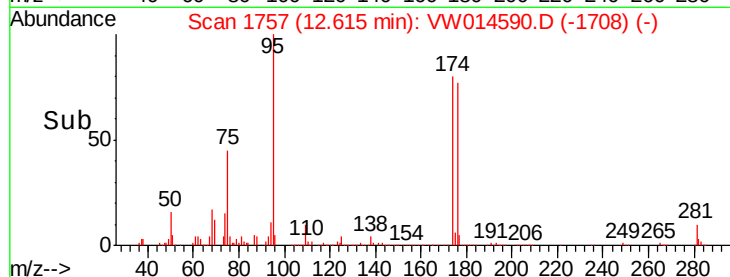
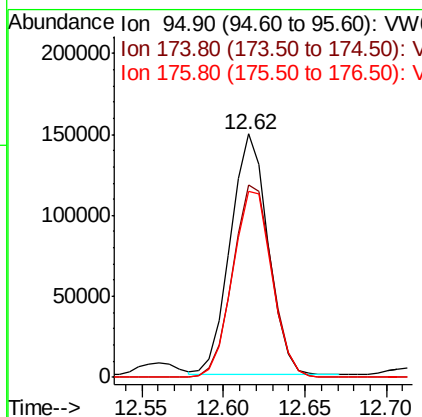
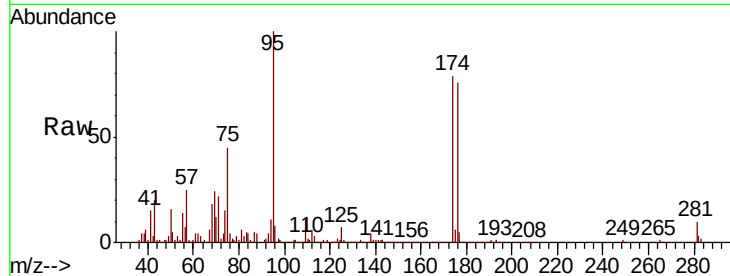




#62
4-Bromofluorobenzene
Concen: 32.720 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW014590.D
Acq: 09 Jan 2020 18:39

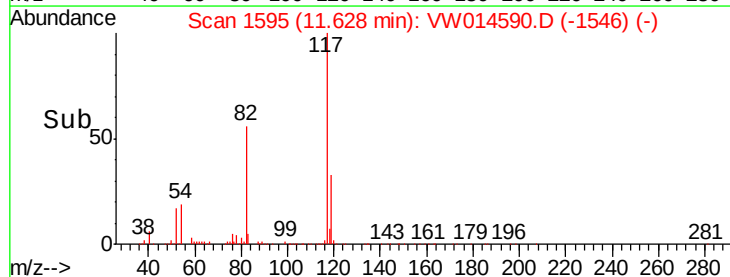
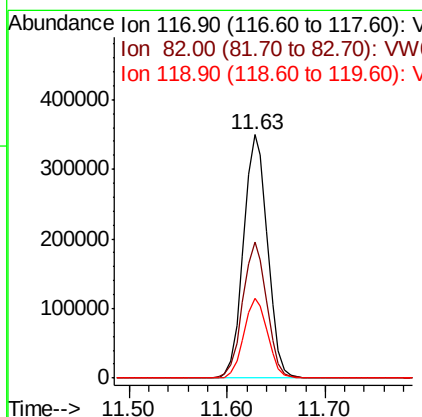
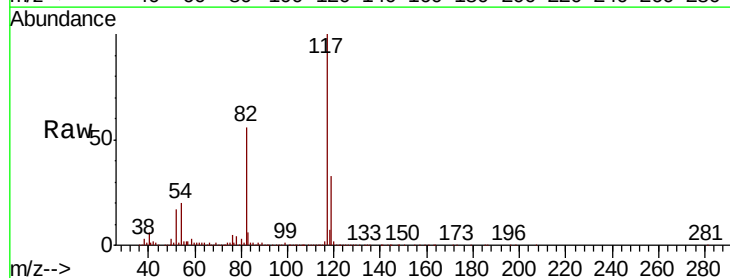
Instrument :
MSVOA_W
ClientSampleId :

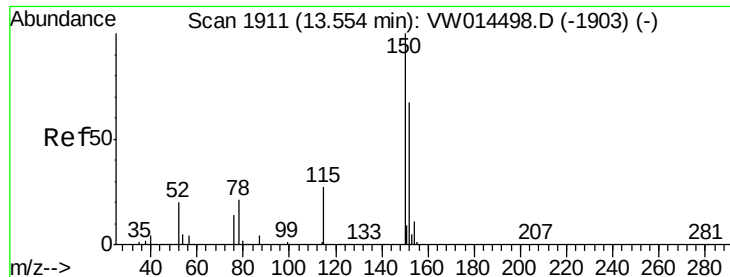
Tot Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	168.6
176	80.7	0.0	162.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW014590.D
Acq: 09 Jan 2020 18:39

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.7	44.6	67.0
119	33.0	25.7	38.5



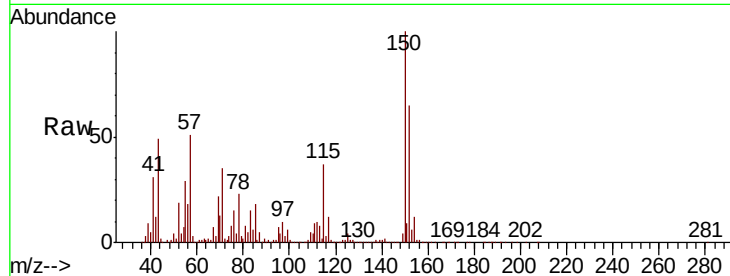


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. 0.00 min
Lab File: VW014590.D
Acq: 09 Jan 2020 18:39

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	51.5	27.7	83.1
150	143.5	0.0	343.4

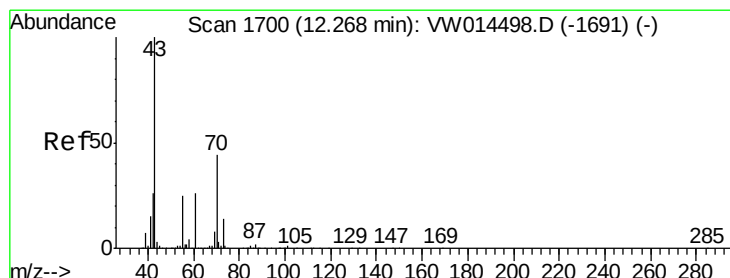
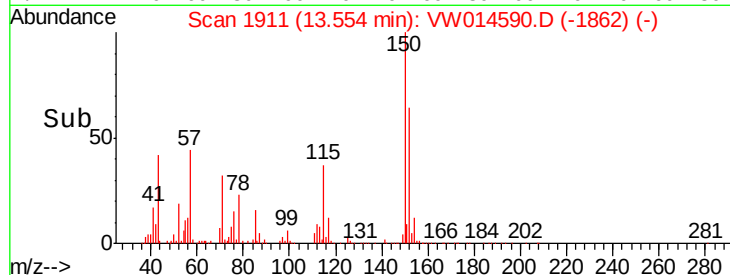
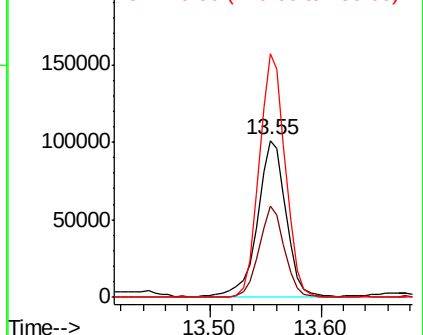


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

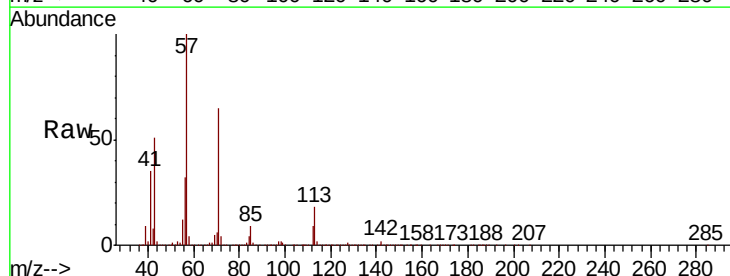
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate
Concen: 147.458 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW014590.D
Acq: 09 Jan 2020 18:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	16.9	36.5	54.7#
55	29.1	20.9	31.3
61	0.0	20.7	31.1#



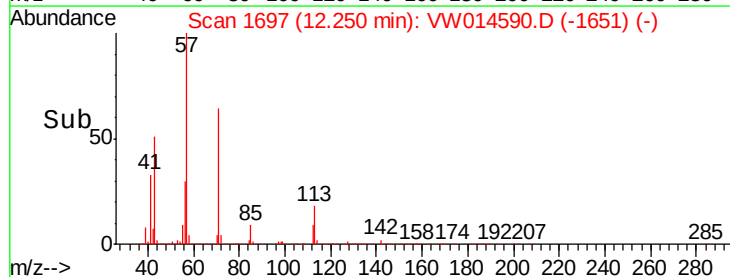
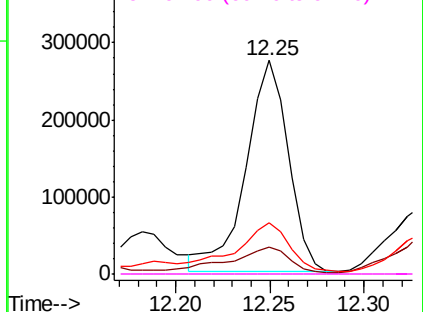
Abundance

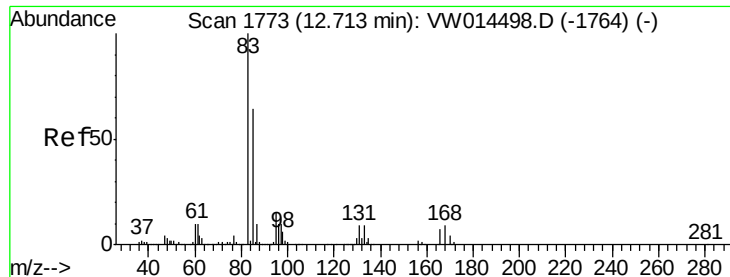
Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 4.633 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW014590.D

Acq: 09 Jan 2020 18:39

Instrument :

MSVOA_W

ClientSampleId :

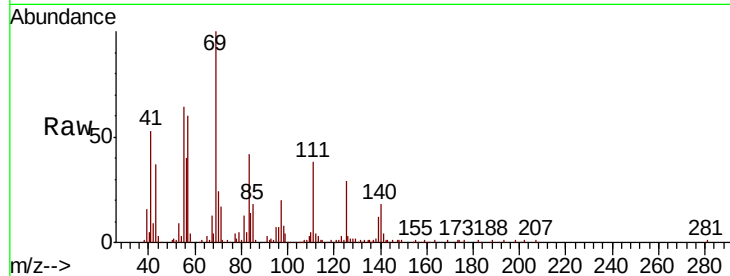
Tot Ion: 83 Resp: 10902

Ion Ratio Lower Upper

83 100

131 3.8 5.1 15.4#

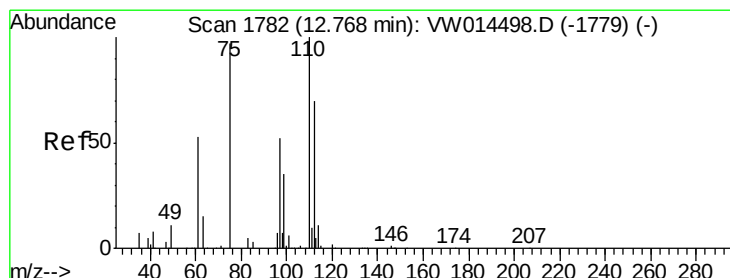
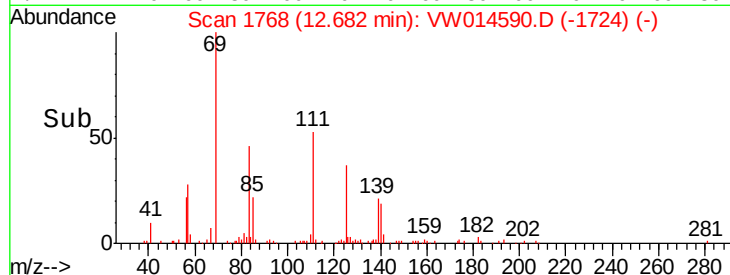
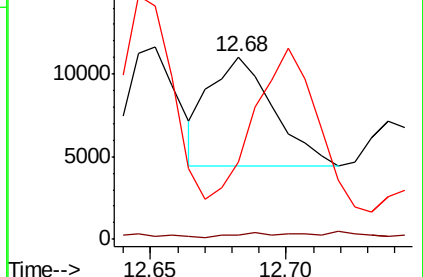
85 0.0 31.9 95.7#



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 65.420 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014590.D

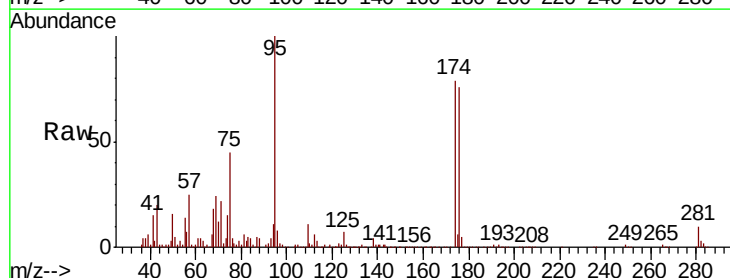
Acq: 09 Jan 2020 18:39

Tgt Ion: 75 Resp: 109906

Ion Ratio Lower Upper

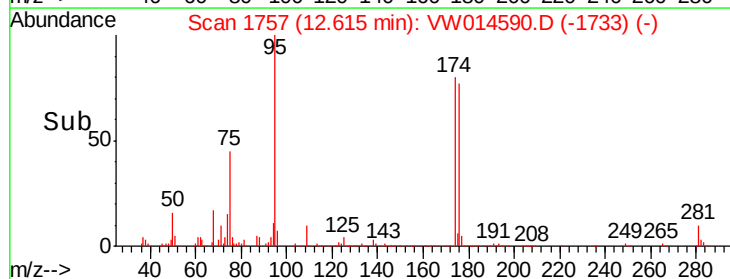
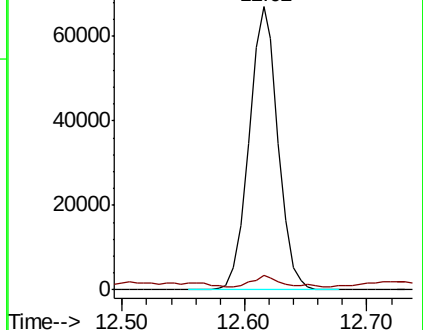
75 100

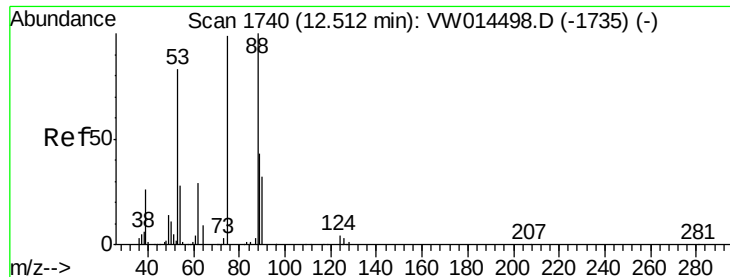
77 4.5 0.0 0.0#



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: 145.759 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW014590.D

Acq: 09 Jan 2020 18:39

Instrument :

MSVOA_W

ClientSampleId :

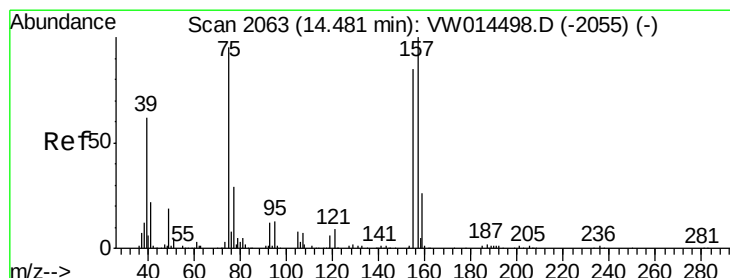
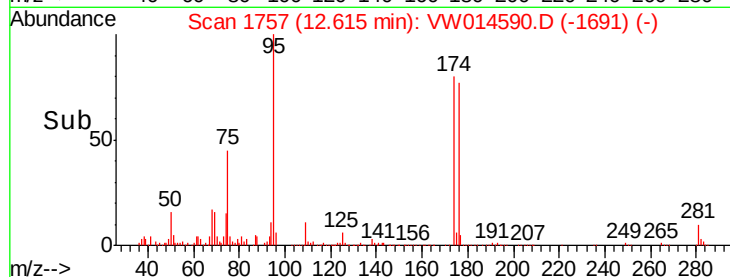
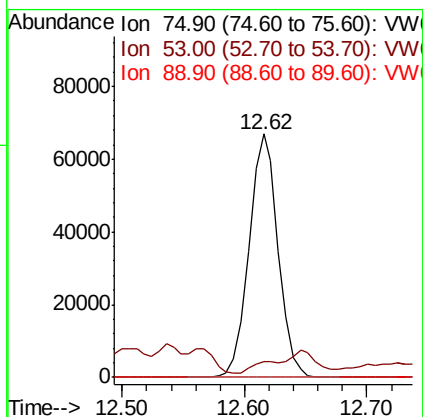
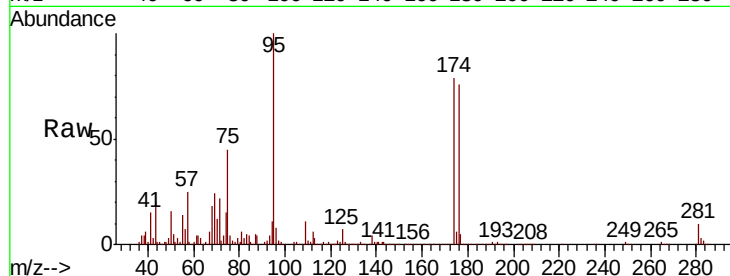
Tot Ion: 75 Resp: 109906

Ion Ratio Lower Upper

75 100

53 0.0 70.9 106.3#

89 0.0 35.8 53.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.430 ug/l

RT: 14.65 min Scan# 2091

Delta R.T. 0.17 min

Lab File: VW014590.D

Acq: 09 Jan 2020 18:39

Tgt Ion: 75 Resp: 533

Ion Ratio Lower Upper

75 100

155 52.9 45.8 137.4

157 61.7 58.1 174.2

