

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014591.D
 Acq On : 09 Jan 2020 19:05
 Operator : SY/VA
 Sample : L1056-04RE
 Misc : 7.00G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jan 10 00:49:22 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

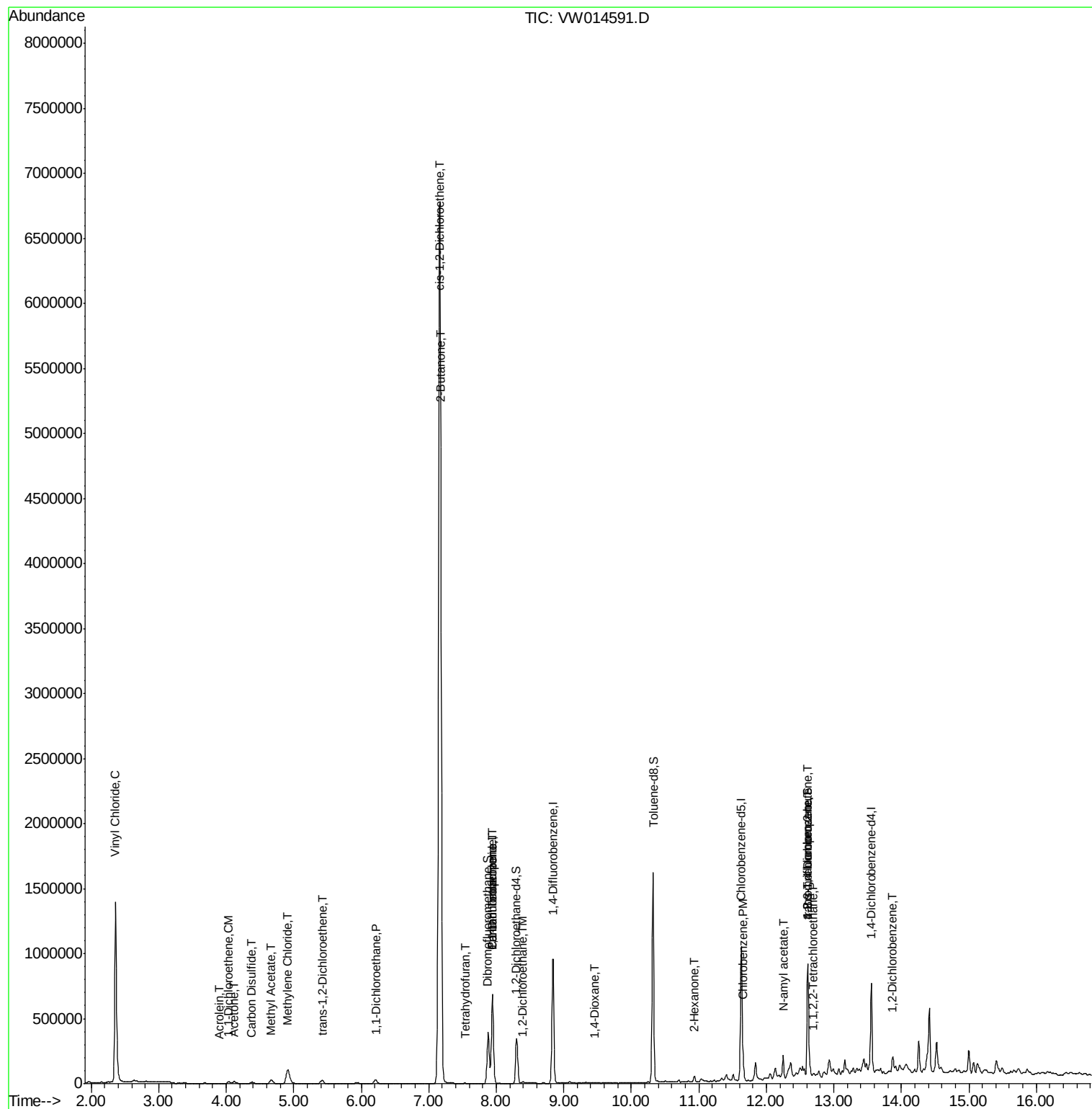
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	565114	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	860910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	609148	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	195294	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	265411	53.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.44%	
35) Dibromofluoromethane	7.88	113	290573	59.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.12%	
50) Toluene-d8	10.32	98	1112782	54.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.38%	
62) 4-Bromofluorobenzene	12.62	95	282469	40.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.12%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.36	62	1670190	290.750	ug/l	99
11) Tert butyl alcohol	5.16	59	1575	Below Cal	#	73
12) 1,1-Dichloroethene	4.04	96	9822	1.747	ug/l	97
13) Acrolein	3.89	56	485	1.125	ug/l #	47
16) Acetone	4.12	43	29990	21.496	ug/l	99
17) Carbon Disulfide	4.39	76	18540	1.094	ug/l	97
18) Methyl Acetate	4.67	43	55369	16.433	ug/l	100
20) Methylene Chloride	4.91	84	100824	14.675	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	16069	2.691	ug/l	97
24) 1,1-Dichloroethane	6.21	63	42941	4.232	ug/l	97
25) 2-Butanone	7.18	43	3645	2.036	ug/l #	1
27) cis-1,2-Dichloroethene	7.17	96	4386634	699.120	ug/l	93
29) Tetrahydrofuran	7.53	42	1783	1.607	ug/l #	86
36) 1,1-Dichloropropene	7.94	75	37661	4.538	ug/l #	50
38) Carbon Tetrachloride	7.95	117	50590	7.026	ug/l #	15
42) 1,2-Dichloroethane	8.40	62	12425	2.039	ug/l	98
49) 1,4-Dioxane	9.46	88	604	11.352	ug/l #	69
59) 2-Hexanone	10.93	43	17032	6.963	ug/l #	27
65) Chlorobenzene	11.66	112	92134	7.383	ug/l	95
74) N-amyl acetate	12.25	43	36972	11.507	ug/l #	67
75) 1,1,2,2-Tetrachloroethane	12.68	83	3437	1.329	ug/l #	30
76) 1,2,3-Trichloropropane	12.62	75	133668	72.391	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	133668	161.290	ug/l #	15
91) 1,2-Dichlorobenzene	13.87	146	7872	1.384	ug/l #	52

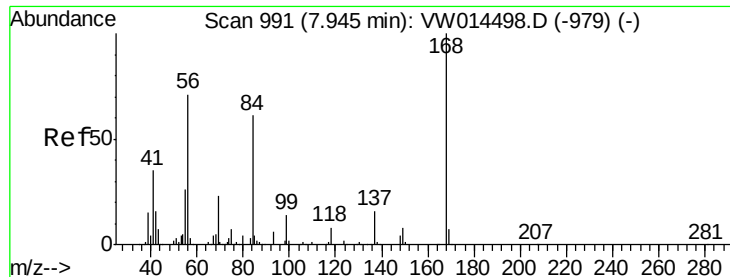
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW010920\
Data File : VW014591.D
Acq On : 09 Jan 2020 19:05
Operator : SY/VA
Sample : L1056-04RE
Misc : 7.00G/5ML/MSVOA W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Jan 10 00:49:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
Quant Title : SW846 8260
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: VW014591.D

Acq: 09 Jan 2020 19:05

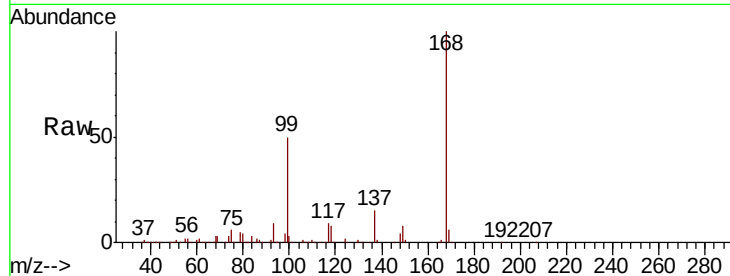
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 565114

Ion Ratio Lower Upper

168 100

99 49.6 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

250000

200000

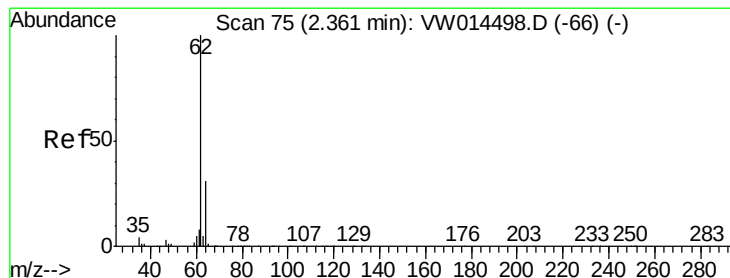
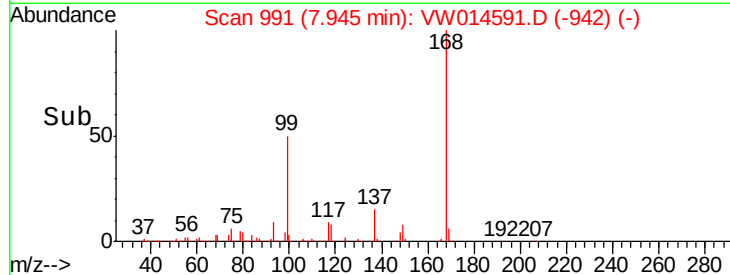
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 290.750 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.00 min

Lab File: VW014591.D

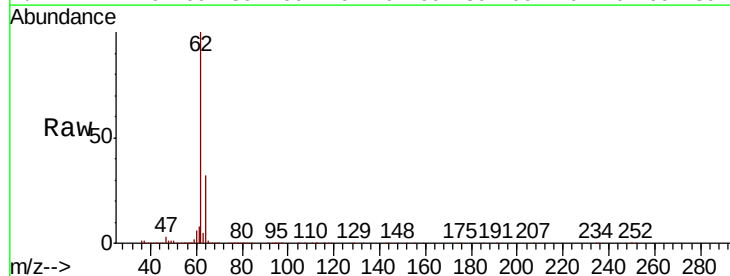
Acq: 09 Jan 2020 19:05

Tgt Ion: 62 Resp: 1670190

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW

1000000

800000

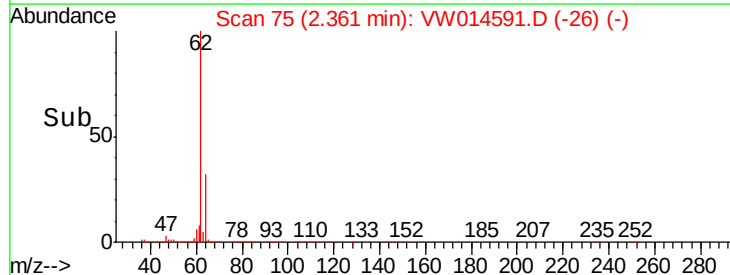
600000

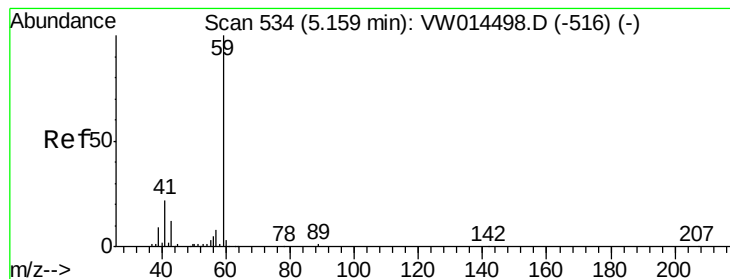
400000

200000

0

Time-->



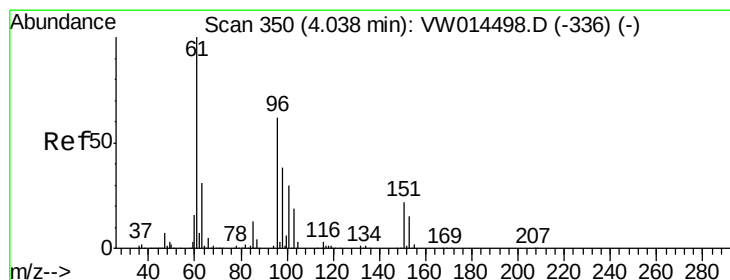
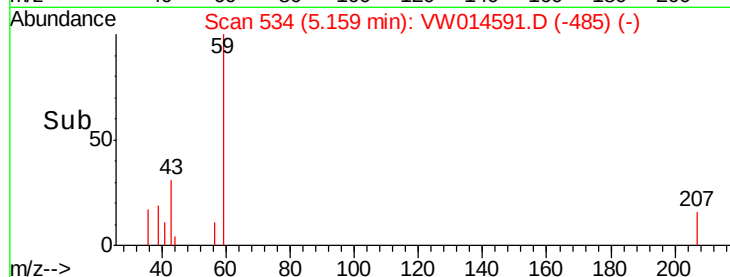
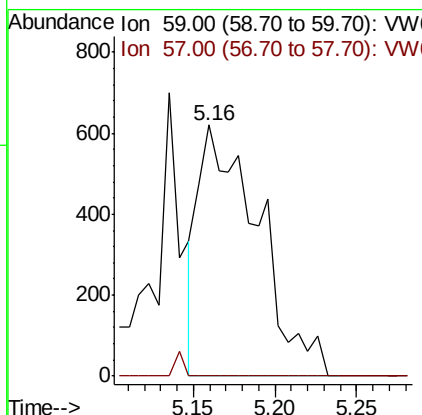
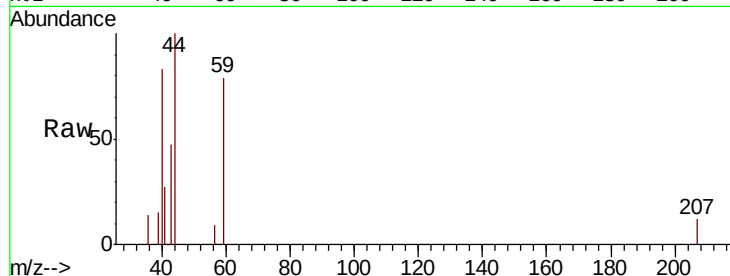


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.16 min Scan# 534
Delta R.T. 0.00 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

Instrument :
MSVOA_W
ClientSampleId :

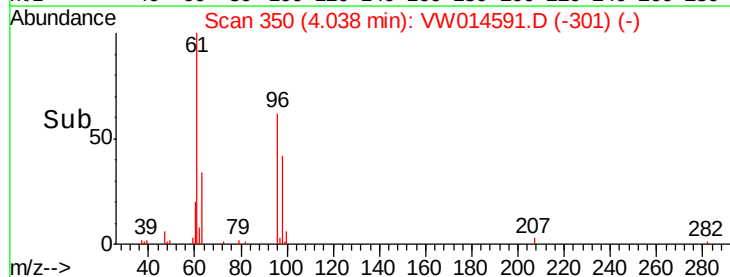
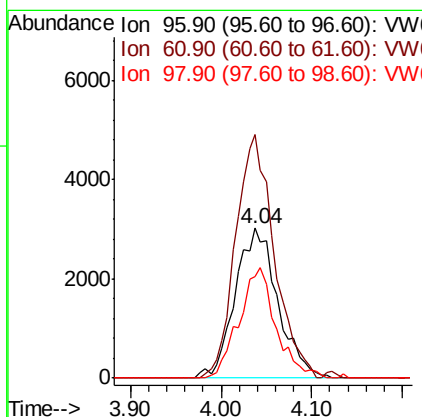
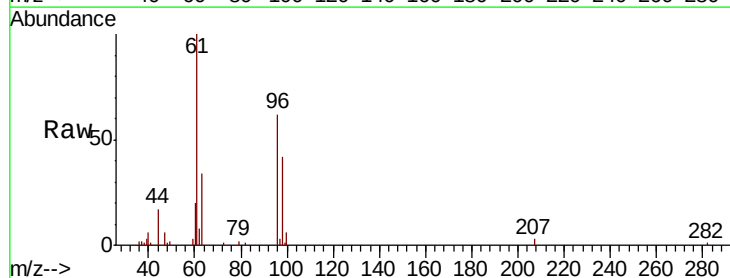
Tot Ion: 59 Resp: 1575
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

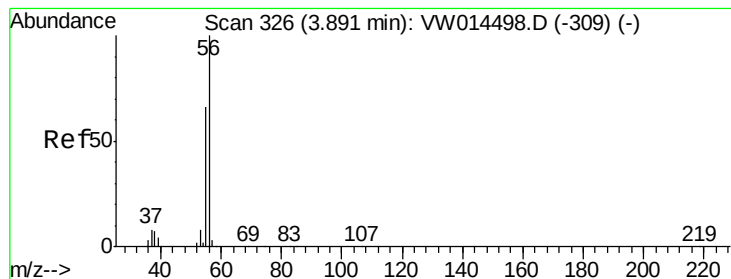


#12

1,1-Dichloroethene
Concen: 1.747 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

Tgt Ion: 96 Resp: 9822
Ion Ratio Lower Upper
96 100
61 162.2 128.4 192.6
98 67.6 49.1 73.7





#13

Acrolein

Concen: 1.125 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW014591.D

Acq: 09 Jan 2020 19:05

Instrument :

MSVOA_W

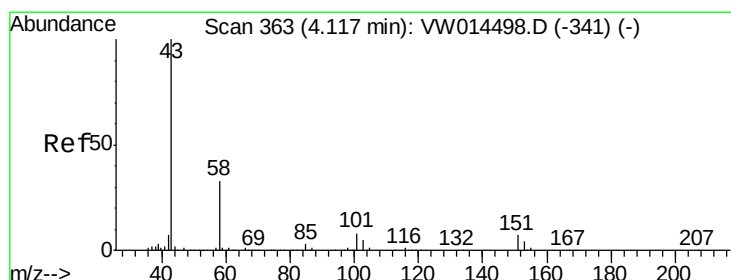
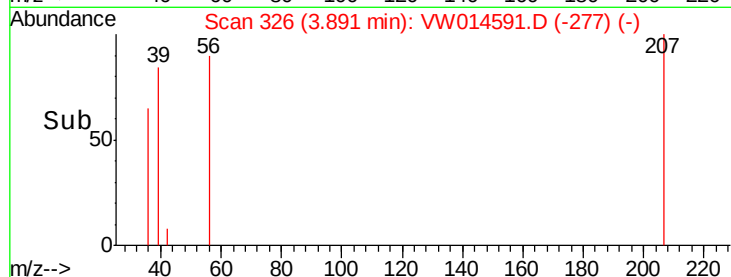
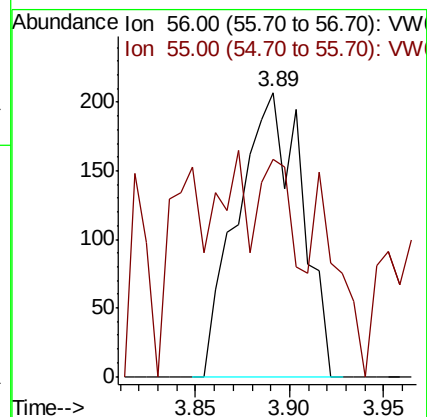
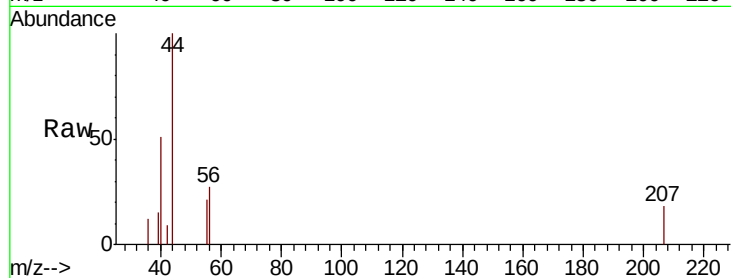
ClientSampleId :

Tot Ion: 56 Resp: 485

Ion Ratio Lower Upper

56 100

55 27.0 56.7 85.1#



#16

Acetone

Concen: 21.496 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW014591.D

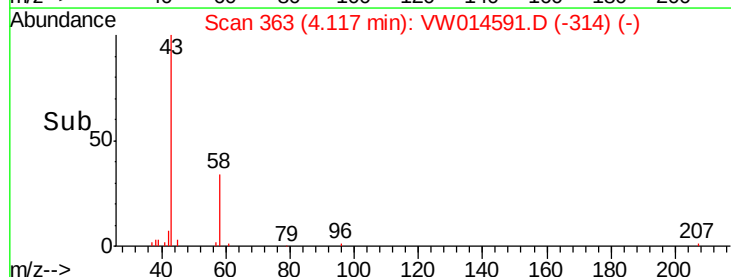
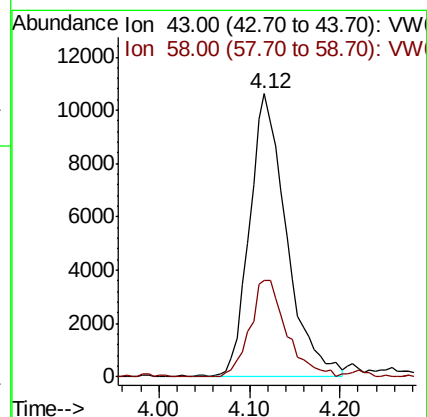
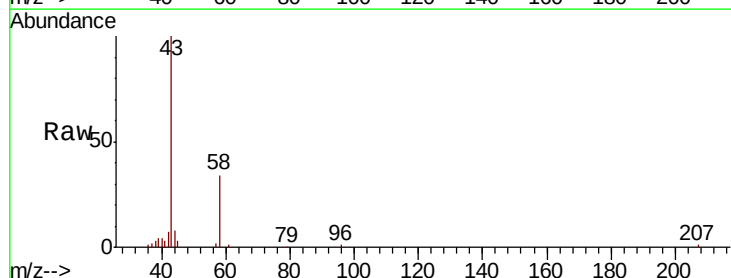
Acq: 09 Jan 2020 19:05

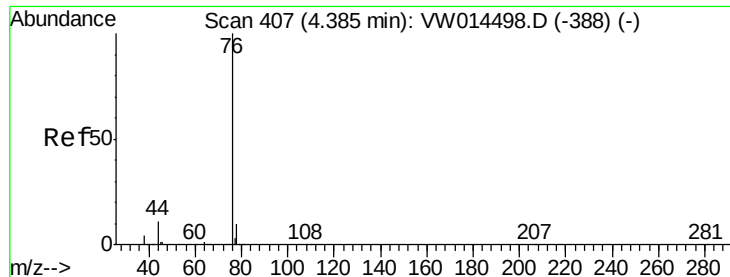
Tgt Ion: 43 Resp: 29990

Ion Ratio Lower Upper

43 100

58 34.0 26.6 39.8





#17

Carbon Disulfide

Concen: 1.094 ug/l

RT: 4.39 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW014591.D

Acq: 09 Jan 2020 19:05

Instrument :

MSVOA_W

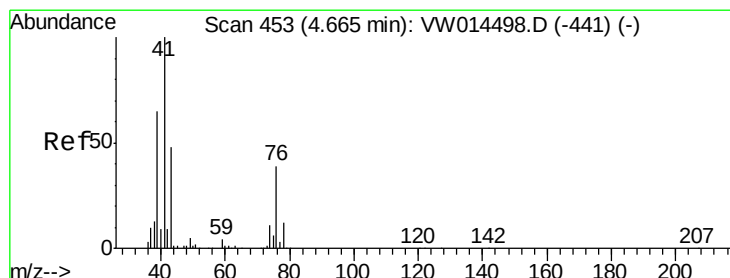
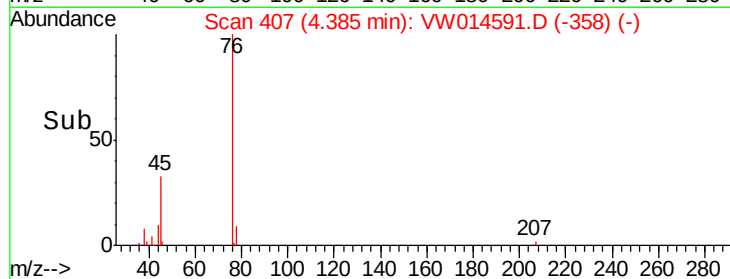
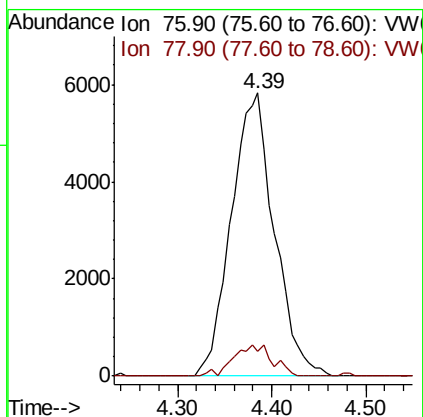
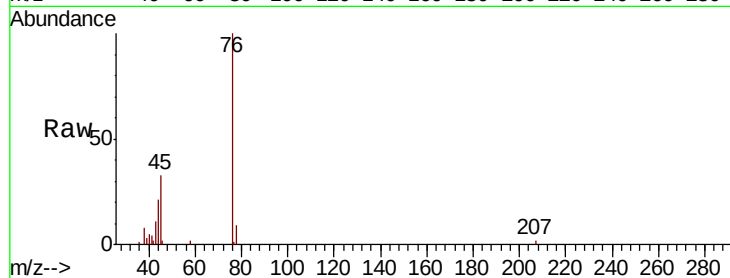
ClientSampleId :

Tot Ion: 76 Resp: 18540

Ion Ratio Lower Upper

76 100

78 8.6 7.8 11.6



#18

Methyl Acetate

Concen: 16.433 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW014591.D

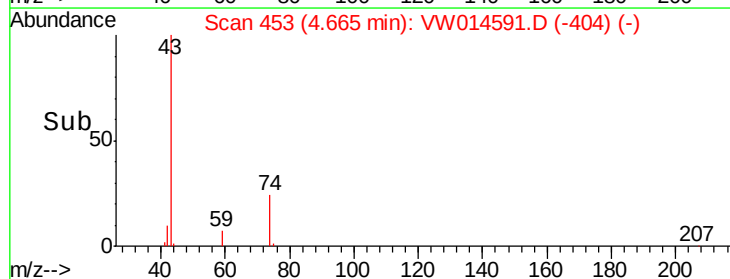
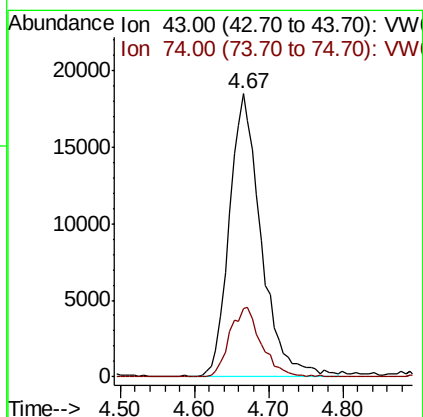
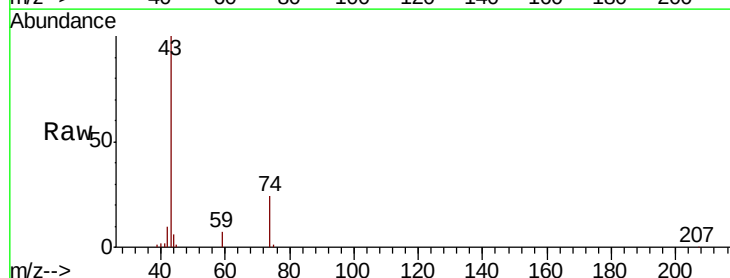
Acq: 09 Jan 2020 19:05

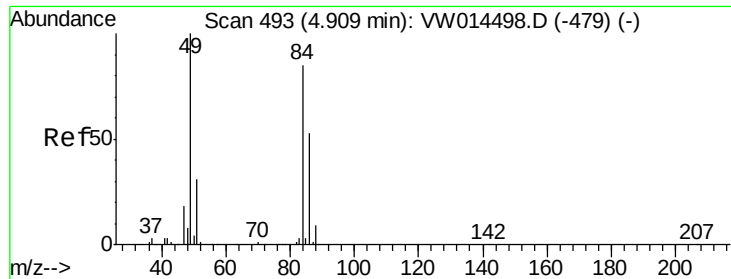
Tgt Ion: 43 Resp: 55369

Ion Ratio Lower Upper

43 100

74 24.2 19.3 28.9

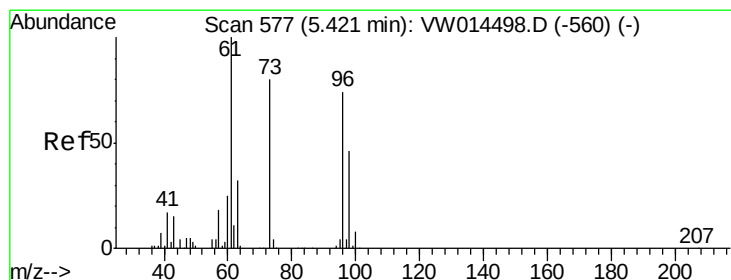
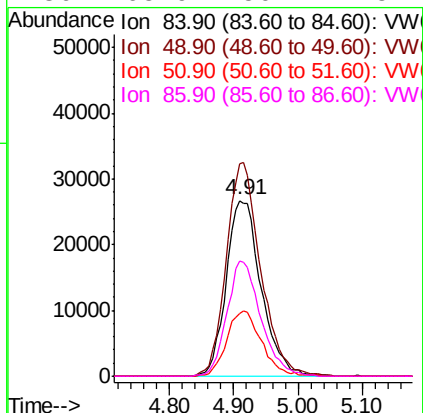
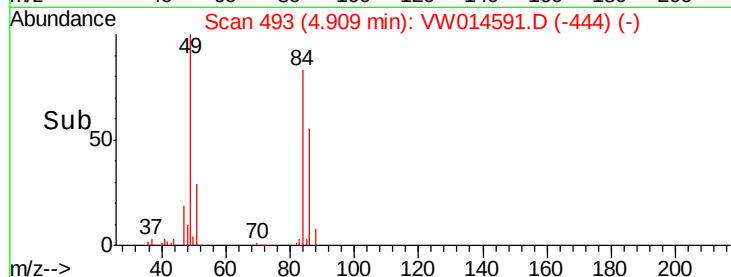
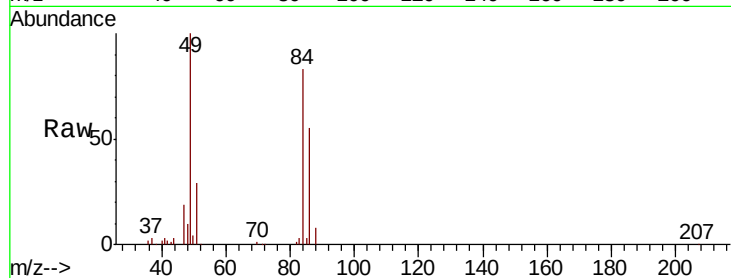




#20
Methylene Chloride
Concen: 14.675 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

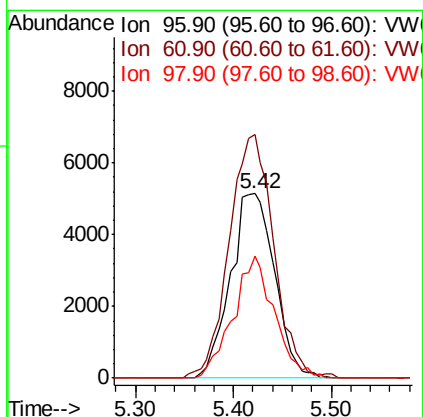
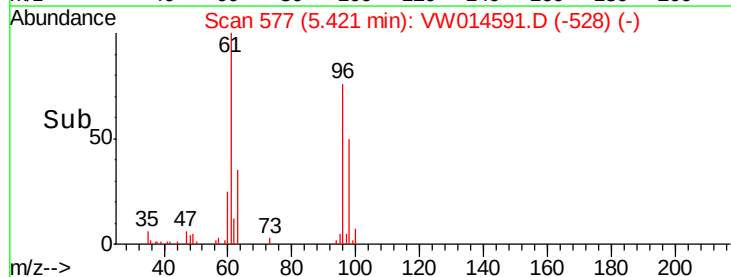
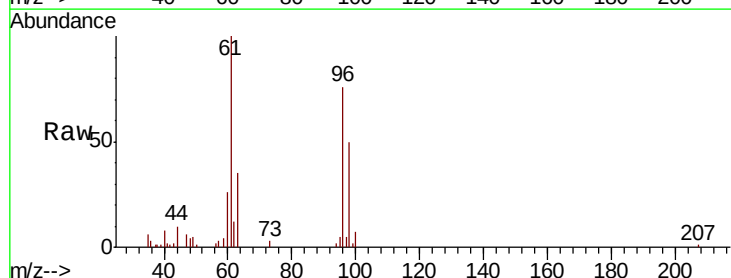
Instrument :
MSVOA_W
ClientSampled :

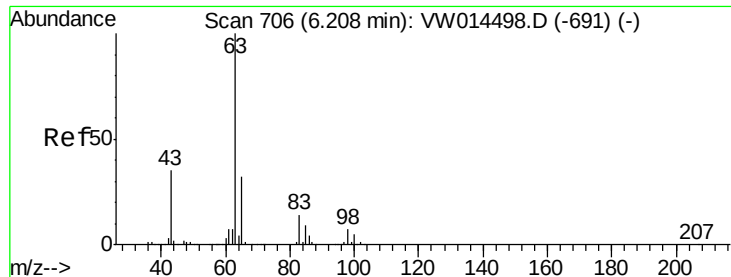
Tot Ion: 84 Resp: 100824
Ion Ratio Lower Upper
84 100
49 120.8 94.4 141.6
51 35.4 29.5 44.3
86 65.9 50.2 75.2



#21
trans-1,2-Dichloroethene
Concen: 2.691 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

Tgt Ion: 96 Resp: 16069
Ion Ratio Lower Upper
96 100
61 132.2 107.8 161.6
98 66.1 49.4 74.0





#24

1,1-Dichloroethane

Concen: 4.232 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.00 min

Lab File: VW014591.D

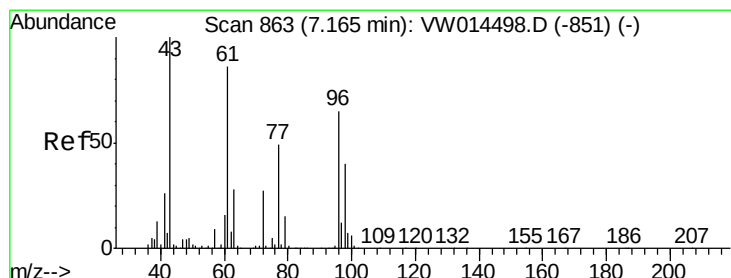
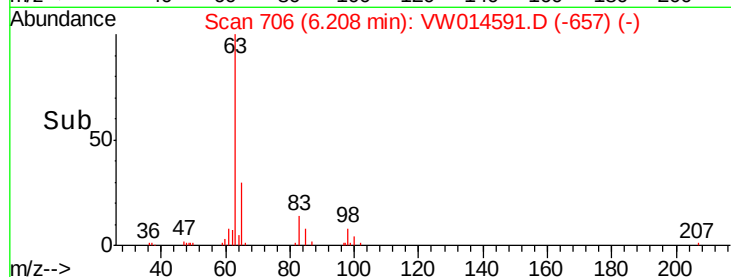
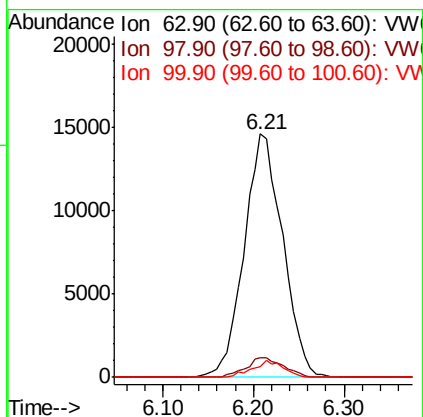
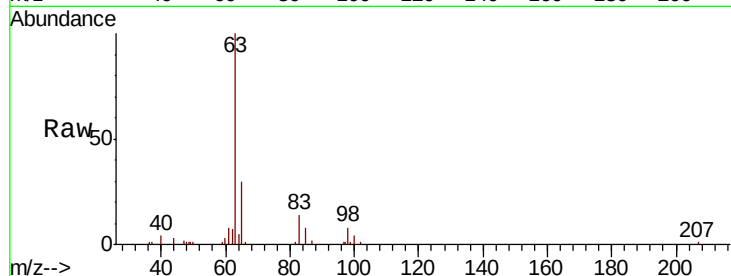
Acq: 09 Jan 2020 19:05

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion:	63	Resp:	42941
Ion	Ratio	Lower	Upper
63	100		
98	8.0	3.5	10.4
100	4.3	2.5	7.4



#25

2-Butanone

Concen: 2.036 ug/l

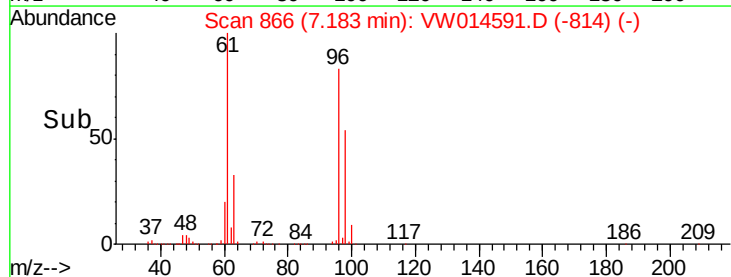
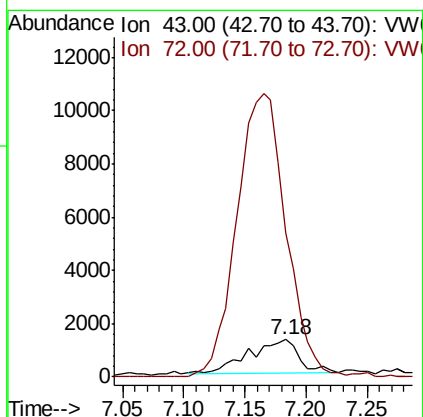
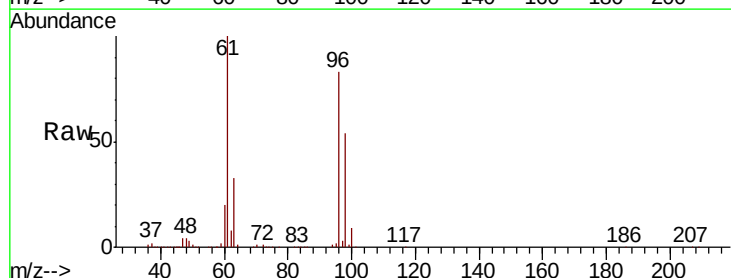
RT: 7.18 min Scan# 866

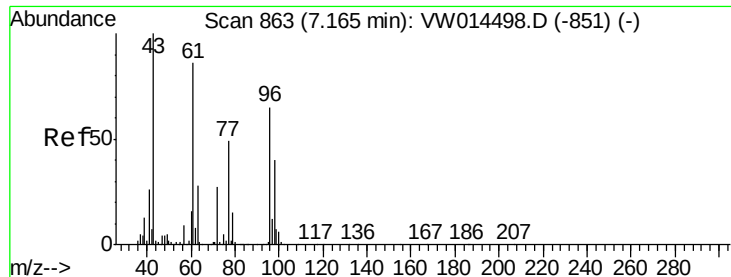
Delta R.T. 0.02 min

Lab File: VW014591.D

Acq: 09 Jan 2020 19:05

Tgt Ion:	43	Resp:	3645
Ion	Ratio	Lower	Upper
43	100		
72	431.8	21.9	32.9#



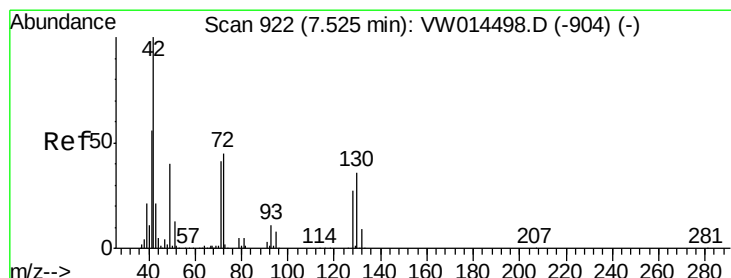
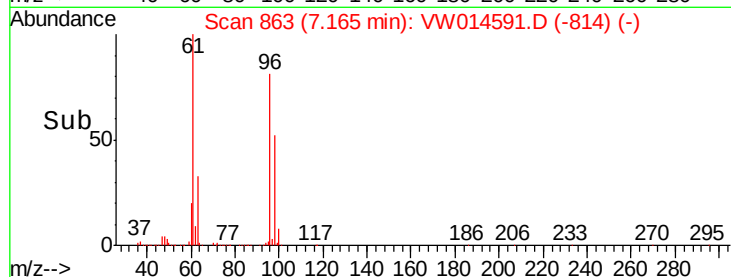
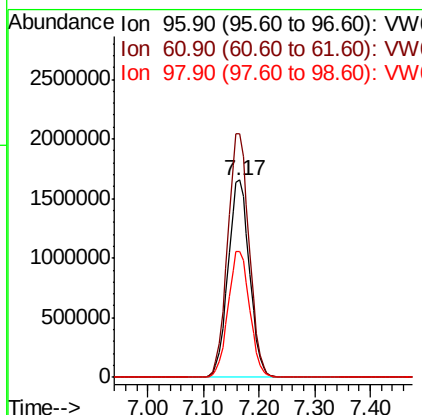
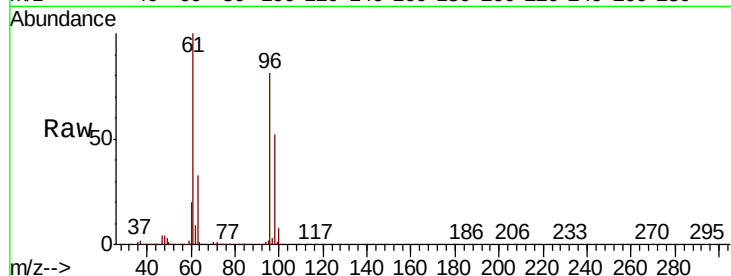


#27

cis-1,2-Dichloroethene
Concen: 699.120 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

Instrument :
MSVOA_W
ClientSampled :

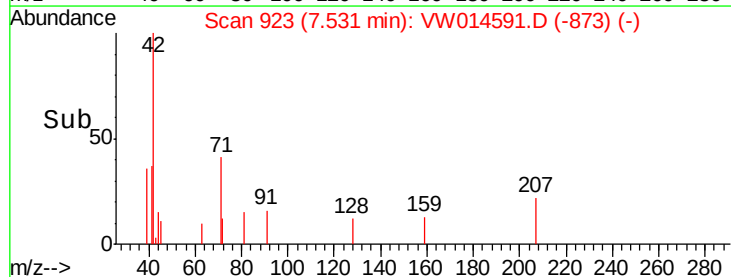
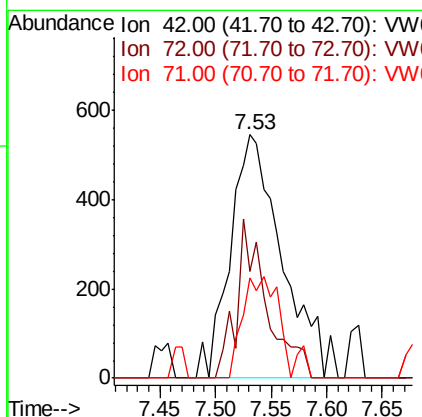
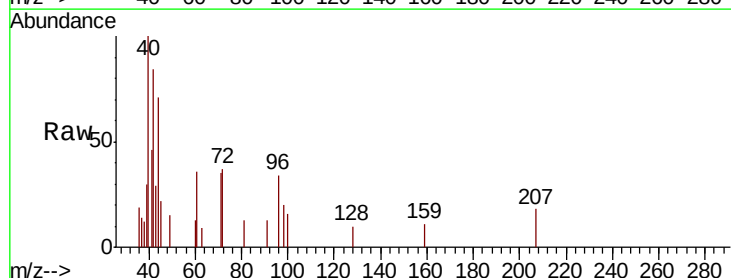
Tot Ion: 96 Resp: 4386634
Ion Ratio Lower Upper
96 100
61 124.4 0.0 274.8
98 64.3 0.0 128.6

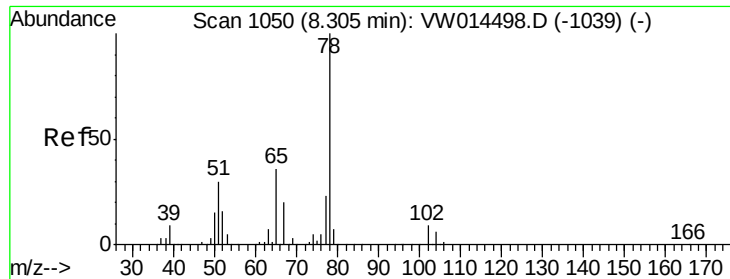


#29

Tetrahydrofuran
Concen: 1.607 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

Tgt Ion: 42 Resp: 1783
Ion Ratio Lower Upper
42 100
72 37.9 34.5 51.7
71 28.0 32.0 48.0#

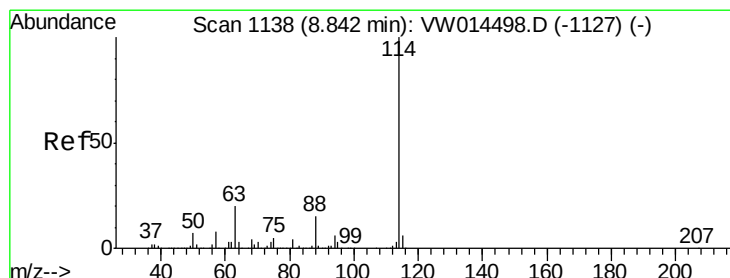
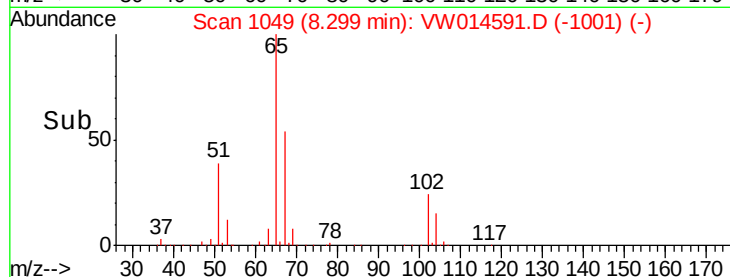
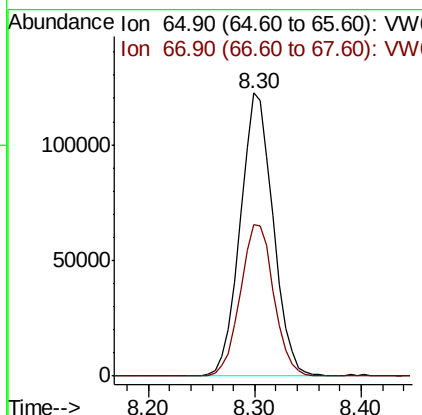
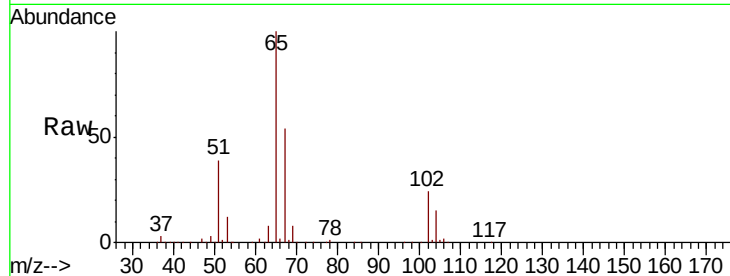




#33
 1,2-Dichloroethane-d4
 Concen: 53.717 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW014591.D
 Acq: 09 Jan 2020 19:05

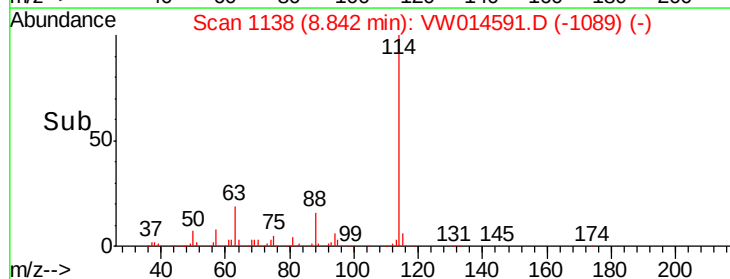
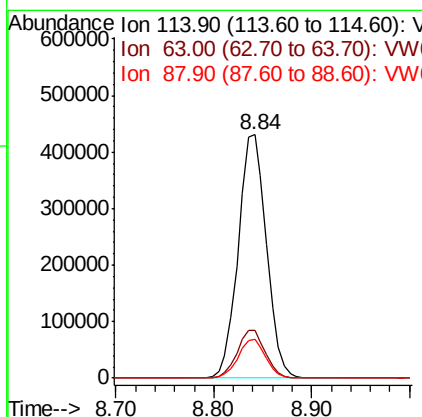
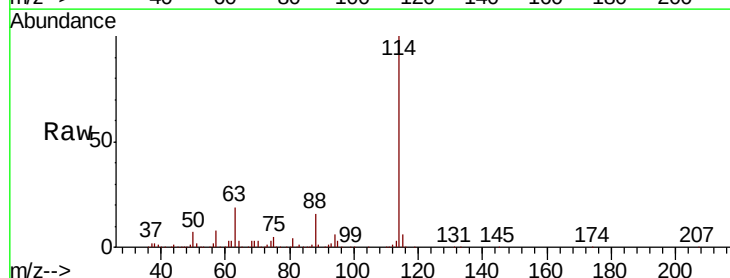
Instrument :
 MSVOA_W
 ClientSampleId :

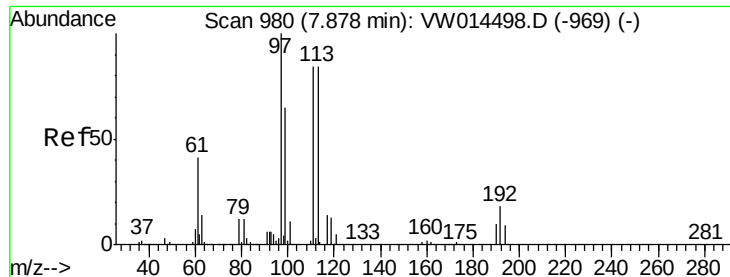
Tot Ion: 65 Resp: 265411
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW014591.D
 Acq: 09 Jan 2020 19:05

Tgt Ion: 114 Resp: 860910
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.4
 88 15.8 0.0 30.6

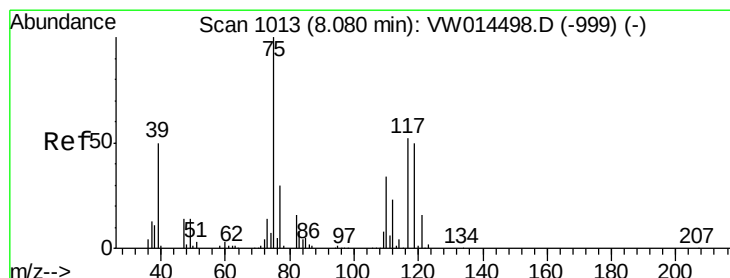
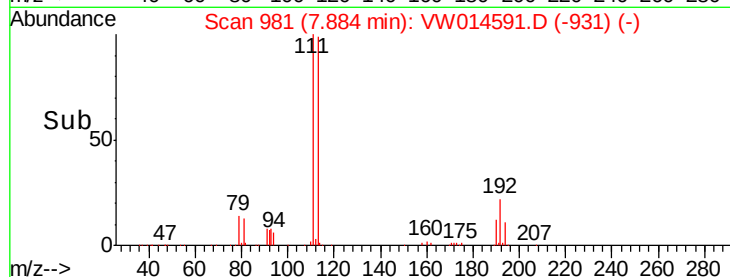
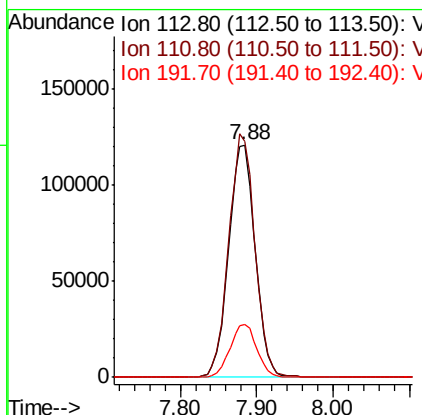
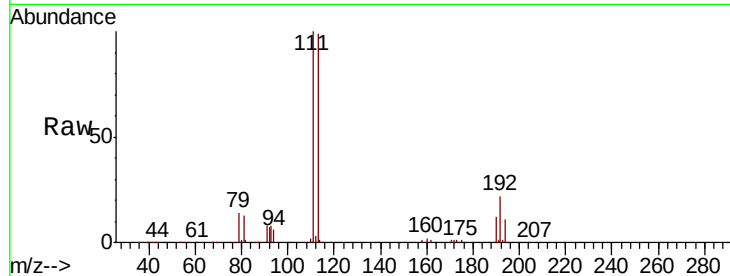




#35
 Dibromofluoromethane
 Concen: 59.057 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW014591.D
 Acq: 09 Jan 2020 19:05

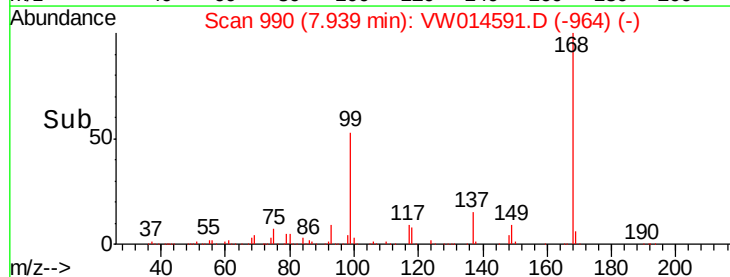
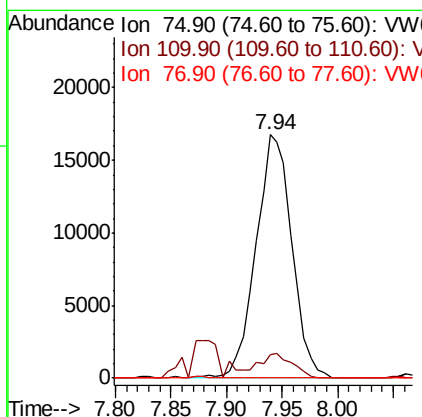
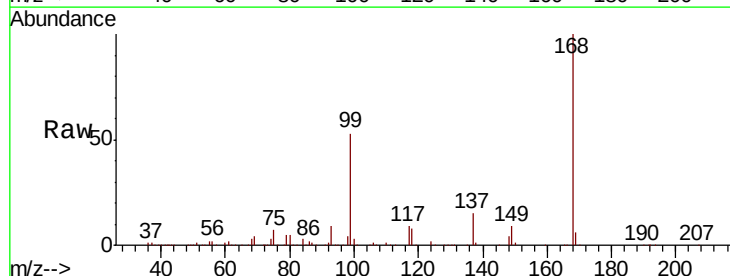
Instrument :
 MSVOA_W
 ClientSampleId :

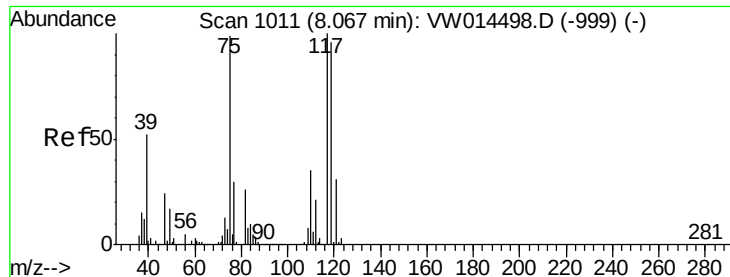
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.2
192	22.8	17.8	26.8



#36
 1,1-Dichloropropene
 Concen: 4.538 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.14 min
 Lab File: VW014591.D
 Acq: 09 Jan 2020 19:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.8	53.5#
77	0.0	24.7	37.1#

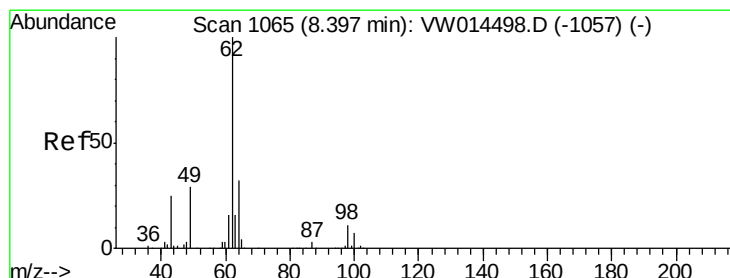
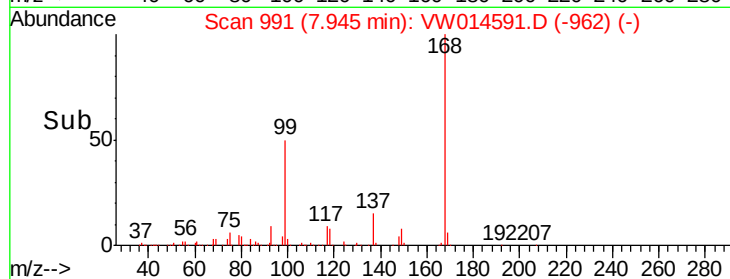
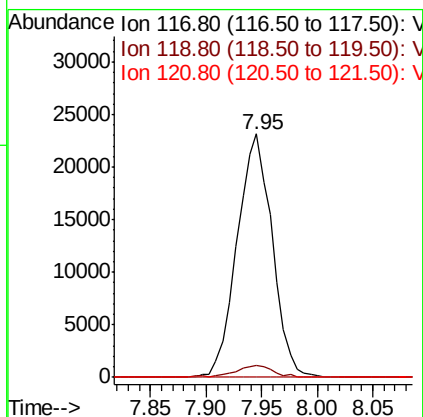
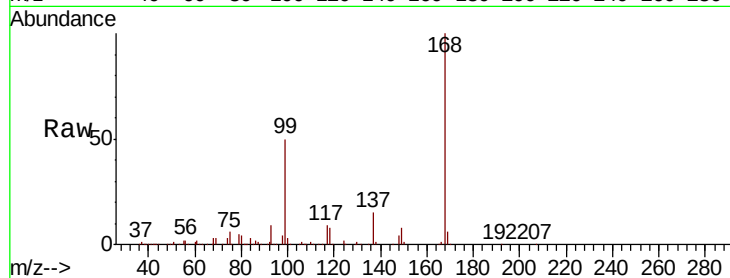




#38
Carbon Tetrachloride
Concen: 7.026 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

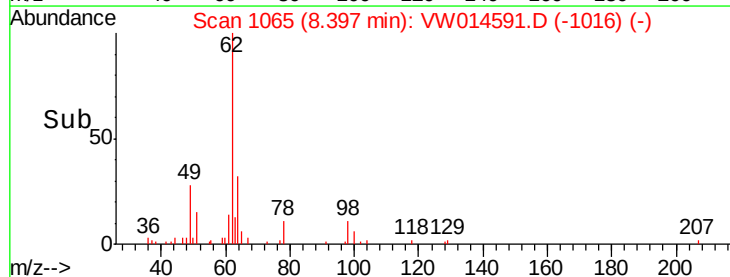
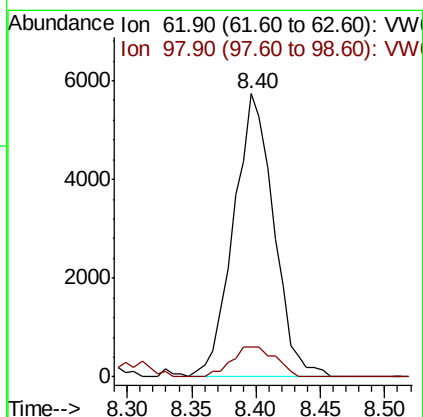
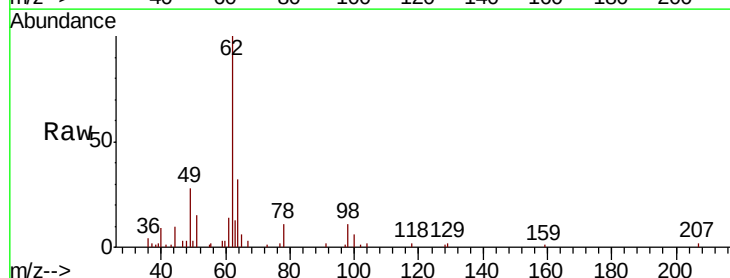
Instrument :
MSVOA_W
ClientSampled :

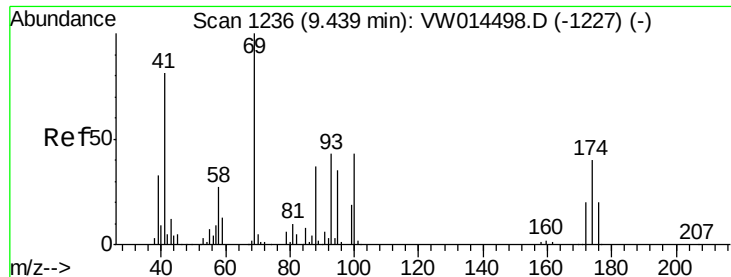
Tot Ion:117 Resp: 50590
Ion Ratio Lower Upper
117 100
119 4.7 77.0 115.6#
121 0.0 24.6 36.8#



#42
1,2-Dichloroethane
Concen: 2.039 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

Tgt Ion: 62 Resp: 12425
Ion Ratio Lower Upper
62 100
98 11.6 0.0 22.0

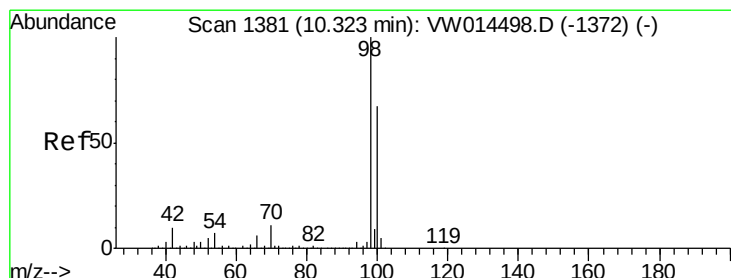
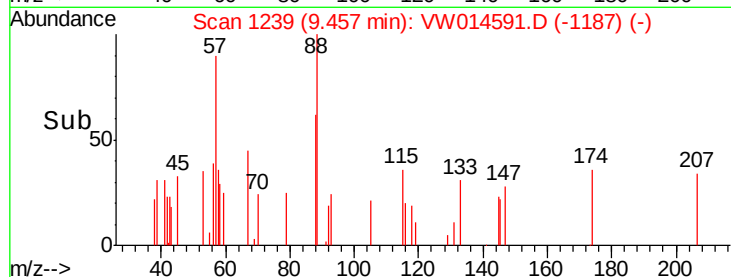
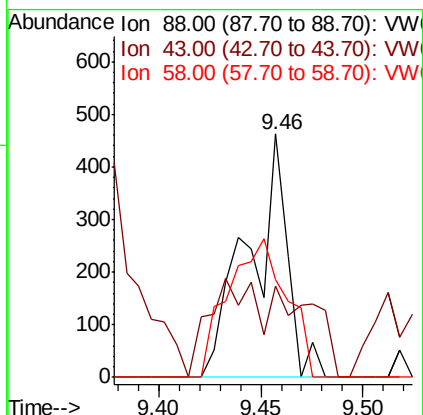
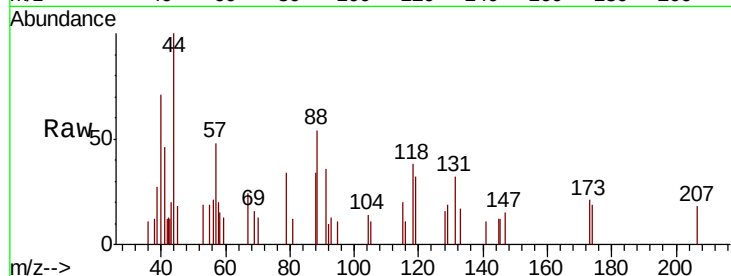




#49
1,4-Dioxane
Concen: 11.352 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.02 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

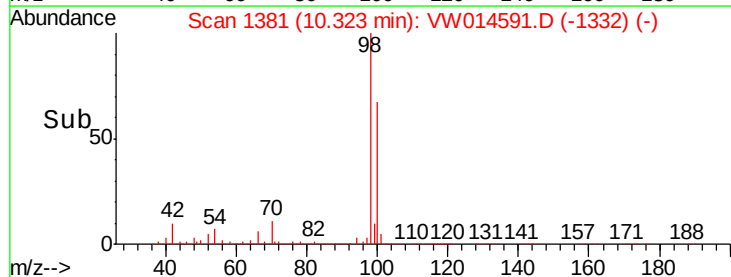
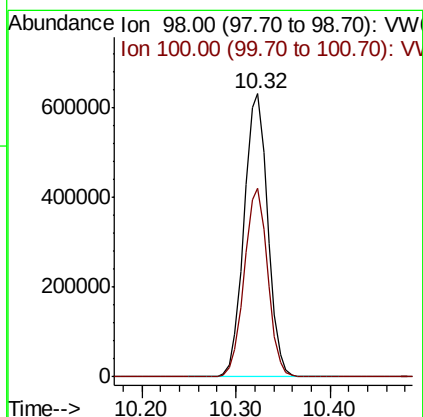
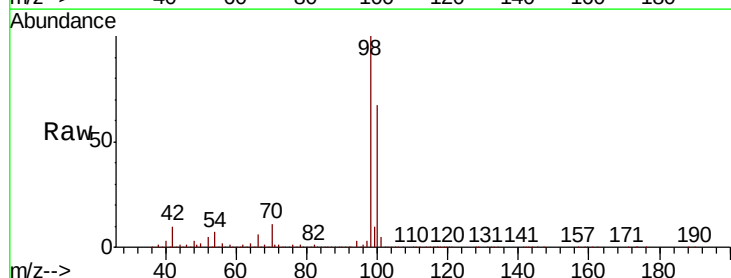
Instrument :
MSVOA_W
ClientSampleId :

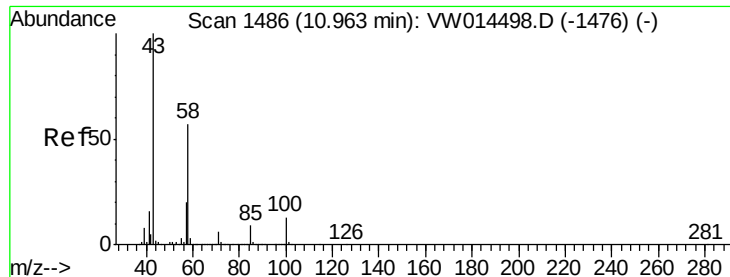
Tot Ion: 88 Resp: 604
Ion Ratio Lower Upper
88 100
43 0.0 24.9 37.3#
58 87.1 56.9 85.3#



#50
Toluene-d8
Concen: 54.194 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

Tgt Ion: 98 Resp: 1112782
Ion Ratio Lower Upper
98 100
100 65.9 53.8 80.6

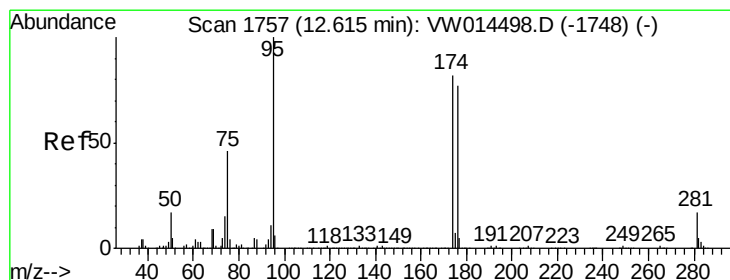
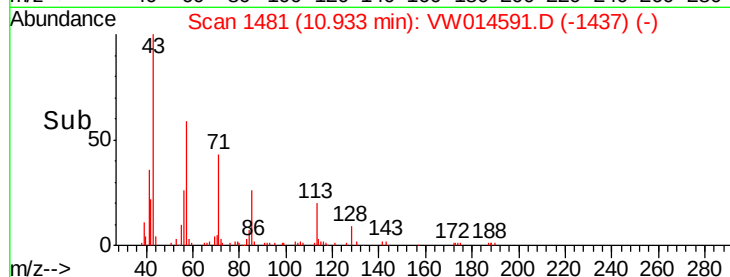
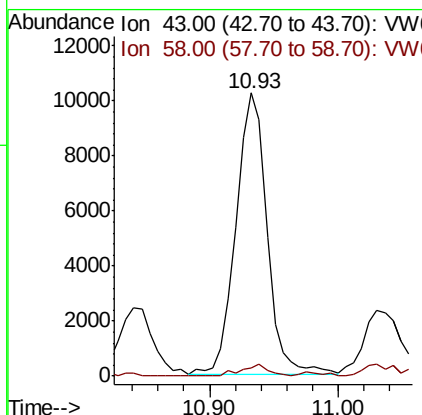
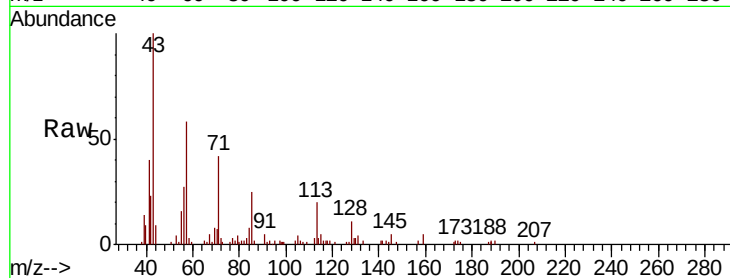




#59
2-Hexanone
Concen: 6.963 ug/l
RT: 10.93 min Scan# 1481
Delta R.T. -0.03 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

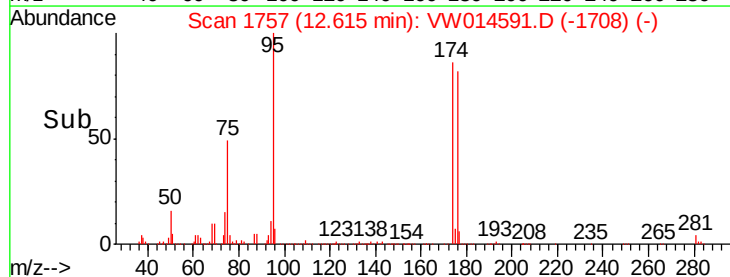
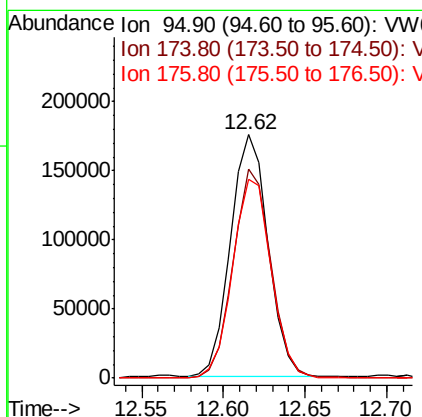
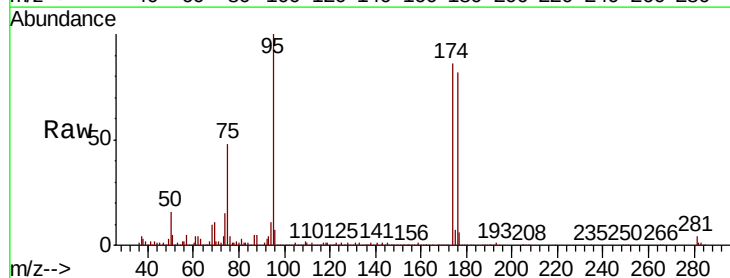
Instrument :
MSVOA_W
ClientSampleId :

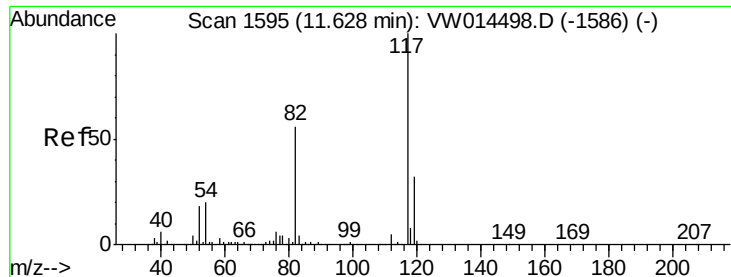
Tot Ion: 43 Resp: 17032
Ion Ratio Lower Upper
43 100
58 3.7 28.7 86.3#



#62
4-Bromofluorobenzene
Concen: 40.557 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

Tgt Ion: 95 Resp: 282469
Ion Ratio Lower Upper
95 100
174 86.4 0.0 168.6
176 84.0 0.0 162.0

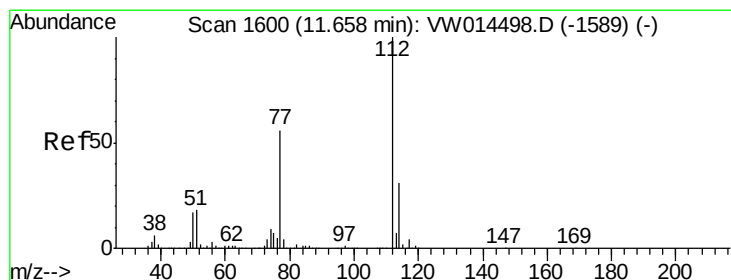
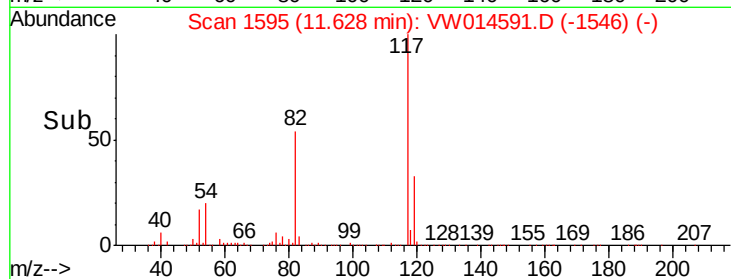
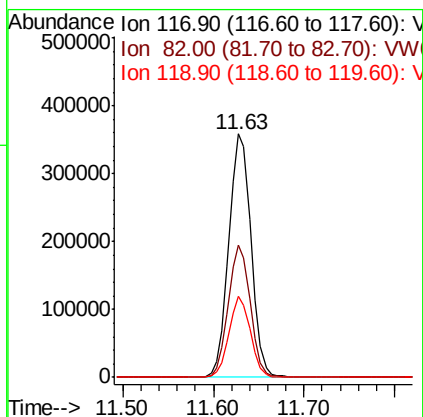
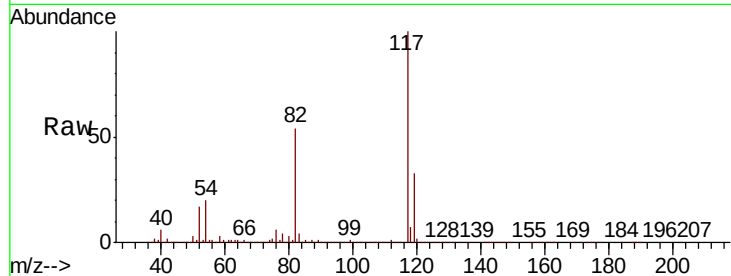




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

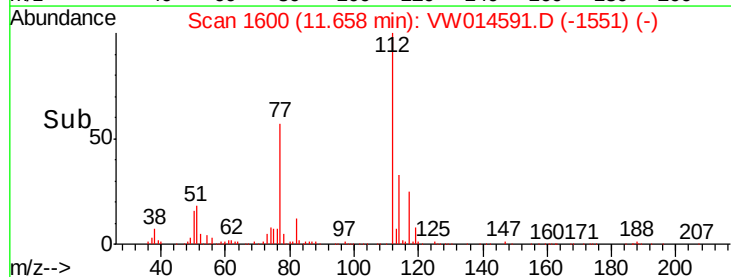
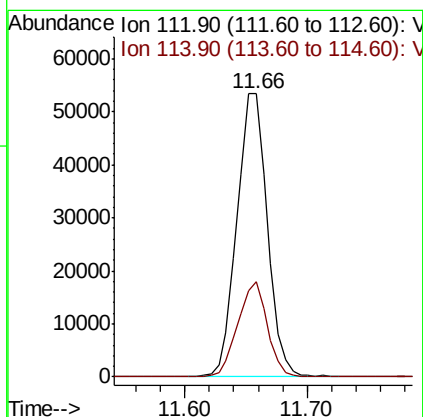
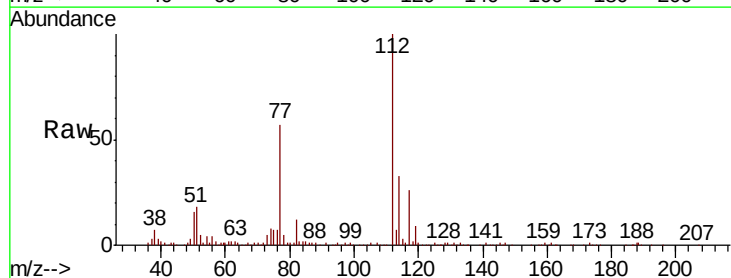
Instrument :
MSVOA_W
ClientSampleId :

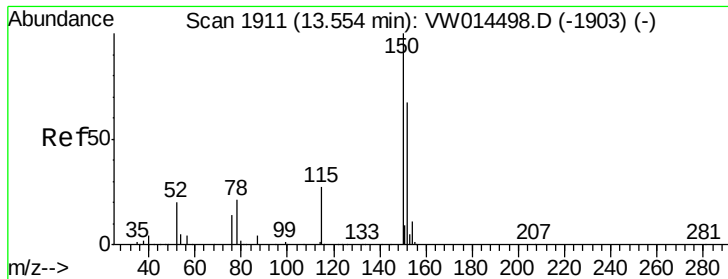
Tot Ion:117 Resp: 609148
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 33.3 25.7 38.5



#65
Chlorobenzene
Concen: 7.383 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

Tgt Ion:112 Resp: 92134
Ion Ratio Lower Upper
112 100
114 33.5 24.6 37.0



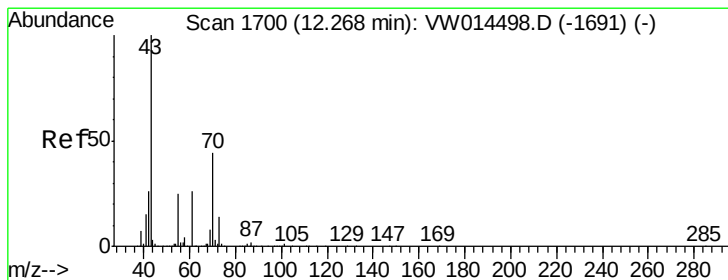
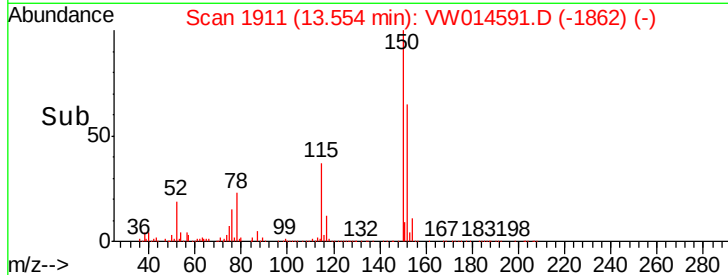
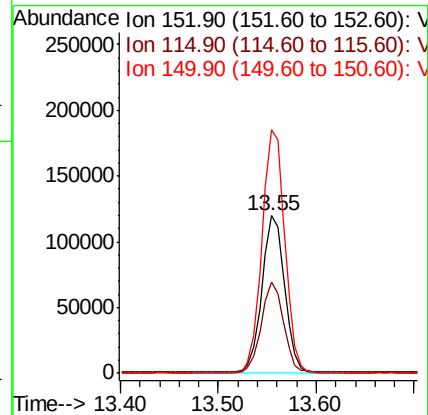
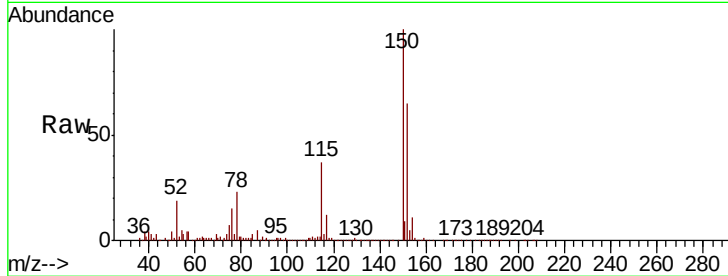


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.00 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

Instrument :
MSVOA_W
ClientSampleId :

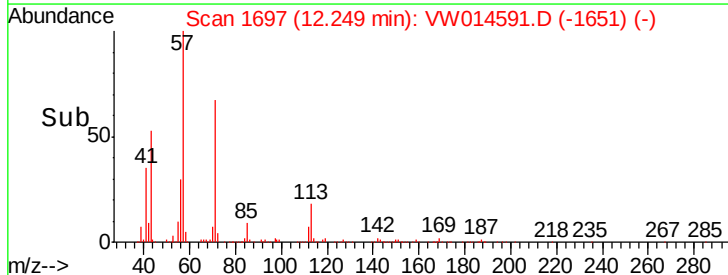
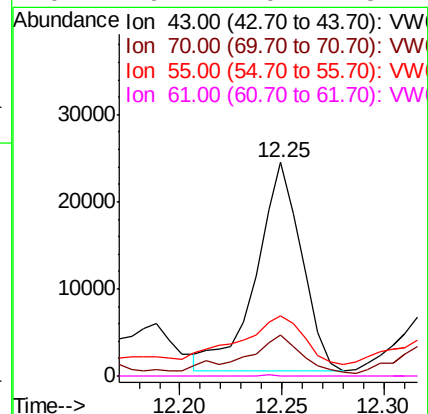
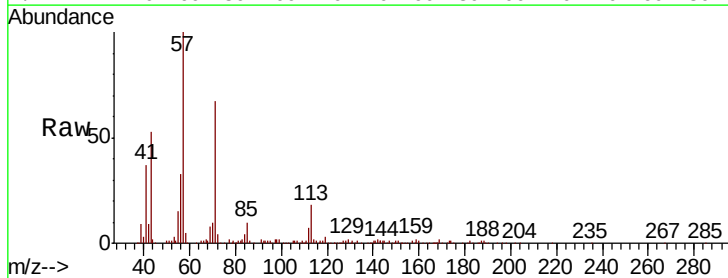
Tot Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.7	83.1
150	154.7	0.0	343.4

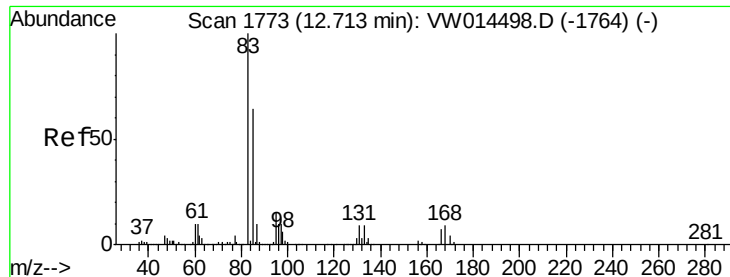


#74

N-ethyl acetate
Concen: 11.507 ug/l
RT: 12.25 min Scan# 1697
Delta R.T. -0.02 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	22.9	36.5	54.7#
55	32.7	20.9	31.3#
61	0.1	20.7	31.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.329 ug/l

RT: 12.68 min Scan# 1768

Delta R.T. -0.03 min

Lab File: VW014591.D

Acq: 09 Jan 2020 19:05

Instrument :

MSVOA_W

ClientSampleId :

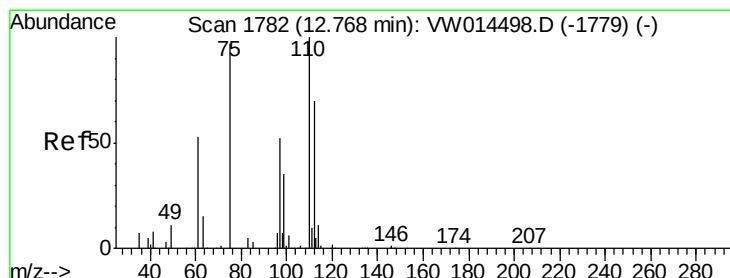
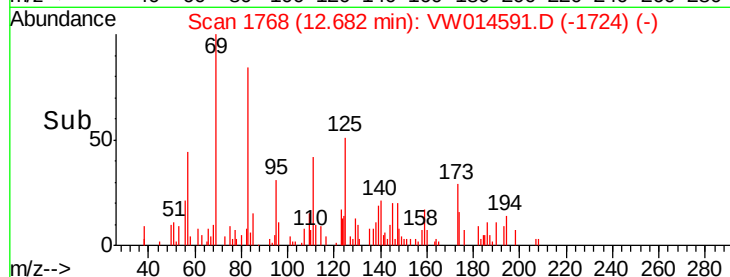
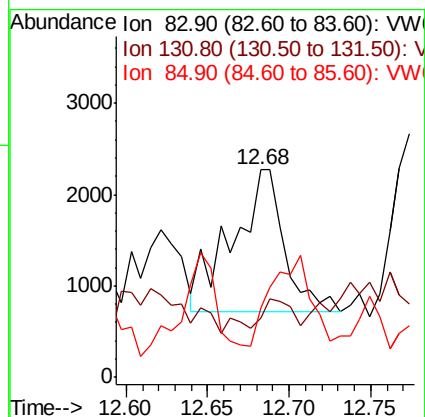
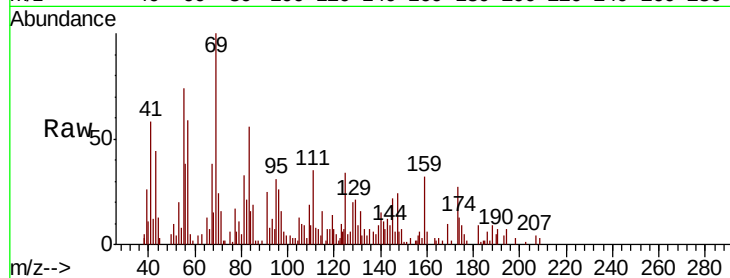
Tot Ion: 83 Resp: 3437

Ion Ratio Lower Upper

83 100

131 10.3 5.1 15.4

85 0.0 31.9 95.7#



#76

1,2,3-Trichloropropane

Concen: 72.391 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW014591.D

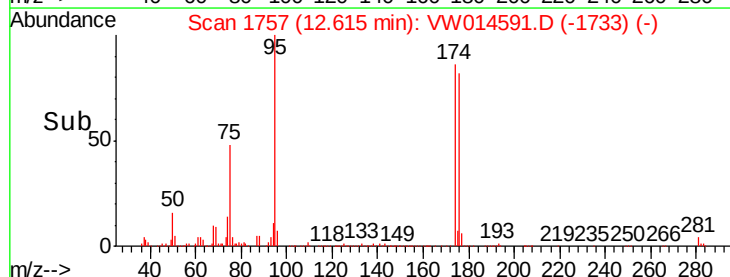
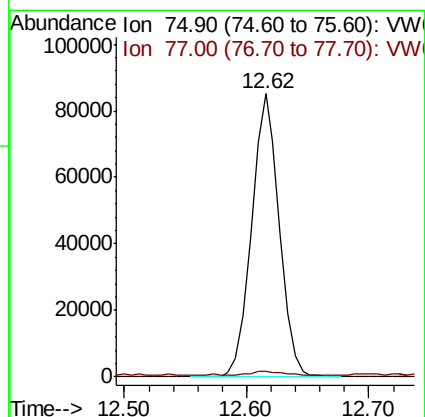
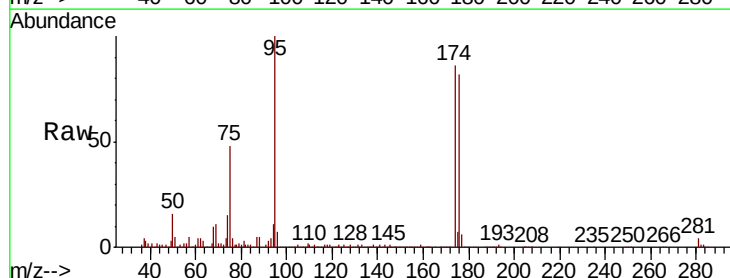
Acq: 09 Jan 2020 19:05

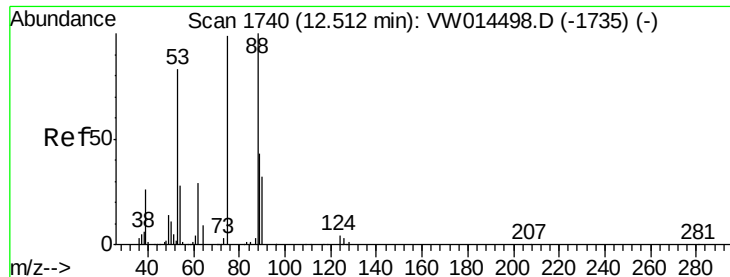
Tgt Ion: 75 Resp: 133668

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#

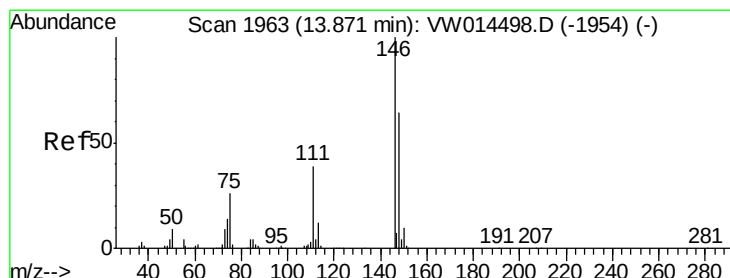
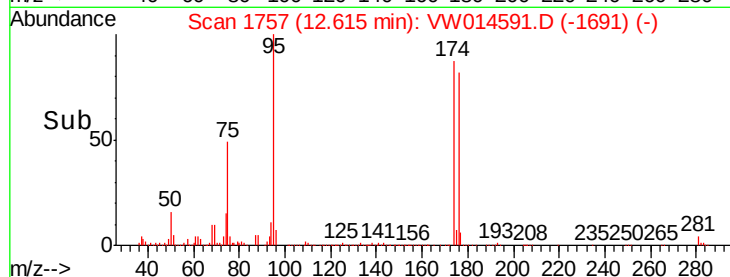
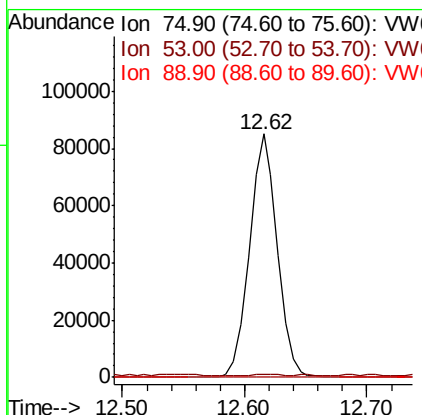
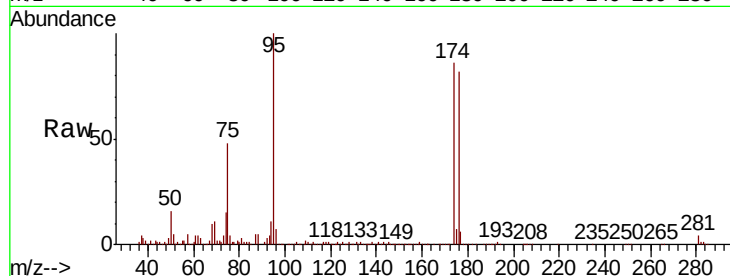




#81
trans-1,4-Dichloro-2-butene
Concen: 161.290 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.10 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 133668
Ion Ratio Lower Upper
75 100
53 1.2 70.9 106.3#
89 0.1 35.8 53.8#



#91
1,2-Dichlorobenzene
Concen: 1.384 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW014591.D
Acq: 09 Jan 2020 19:05

Tgt Ion: 146 Resp: 7872
Ion Ratio Lower Upper
146 100
111 118.1 20.4 61.3#
148 65.0 32.3 96.8

