

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW062121\
 Data File : VW019252.D
 Acq On : 21 Jun 2021 16:14
 Operator : SY/VA
 Sample : M2777-03
 Misc : 3.71G/5ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 22 03:13:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W062121S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 21 12:12:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

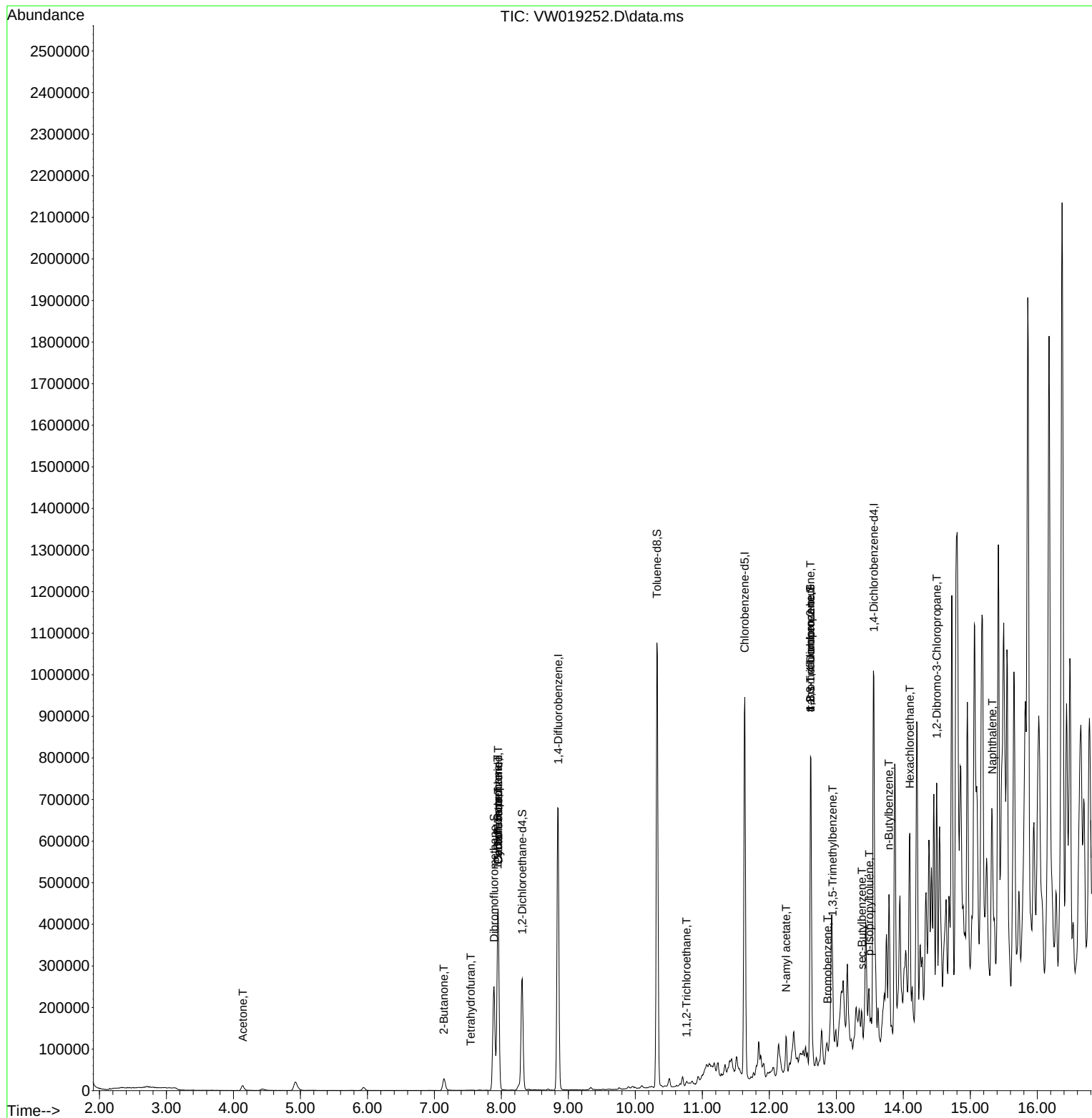
Internal Standards						
1) Pentafluorobenzene	7.951	168	314691	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.848	114	563807	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	501837	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	224032	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.311	65	215797	56.530	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.060%	
35) Dibromofluoromethane	7.890	113	175713	48.930	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.860%	
50) Toluene-d8	10.323	98	707693	49.228	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.460%	
62) 4-Bromofluorobenzene	12.615	95	247393	49.205	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.400%	
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.171	59	298	Below Cal	#	71
16) Acetone	4.141	43	21776	35.542	ug/l	92
20) Methylene Chloride	4.928	84	20115	Below Cal		94
25) 2-Butanone	7.141	43	1599	1.770	ug/l #	45
29) Tetrahydrofuran	7.543	42	616	1.101	ug/l #	55
31) Cyclohexane	7.951	56	8121	1.251	ug/l #	2
36) 1,1-Dichloropropene	7.945	75	27937	4.682	ug/l #	49
38) Carbon Tetrachloride	7.951	117	33880	6.495	ug/l #	16
55) 1,1,2-Trichloroethane	10.762	97	3788	1.304	ug/l #	23
74) N-amyl acetate	12.249	43	18807	5.330	ug/l #	63
76) 1,2,3-Trichloropropane	12.615	75	131672	59.994	ug/l #	100
77) Bromobenzene	12.871	156	19398	5.408	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.944	105	40639	2.877	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.615	75	131672	145.541	ug/l #	9
85) sec-Butylbenzene	13.383	105	41296	2.226	ug/l	96
86) p-Isopropyltoluene	13.493	119	21684	1.436	ug/l	95
89) n-Butylbenzene	13.786	91	41876	2.758	ug/l #	1
90) Hexachloroethane	14.097	117	20444	7.472	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.499	75	1527	3.157	ug/l #	15
95) Naphthalene	15.328	128	8259	1.072	ug/l #	1

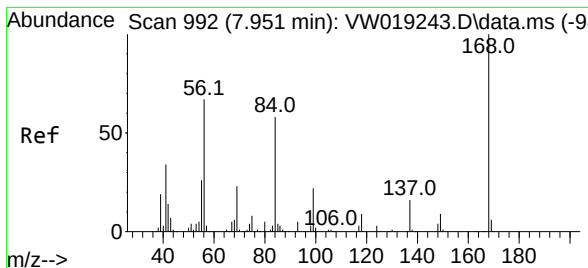
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jun 21 12:12:47 2021
Response via : Initial Calibration

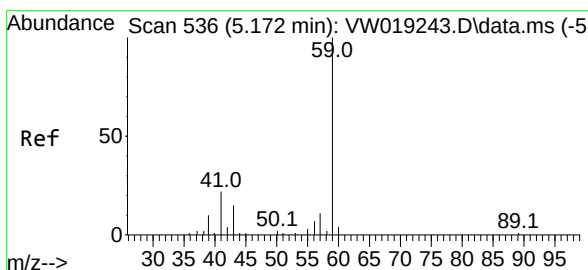
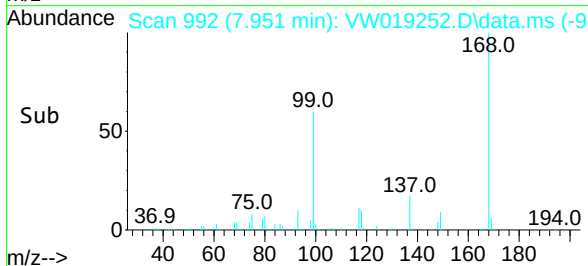
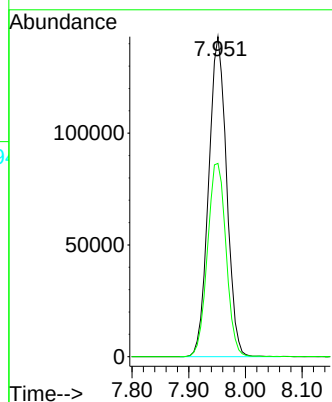
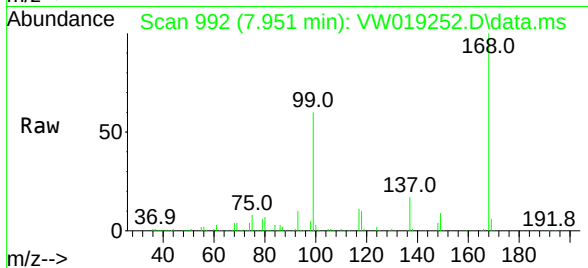




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.951 min Scan# 992
Delta R.T. 0.000 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

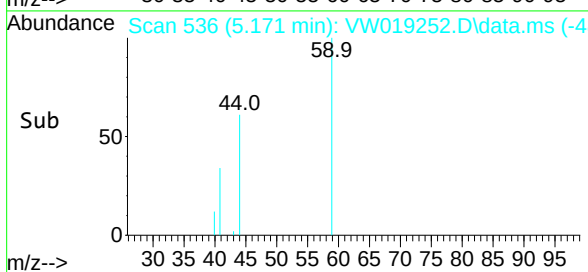
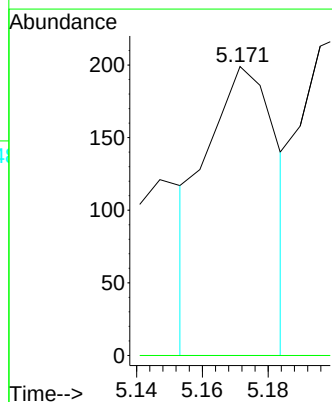
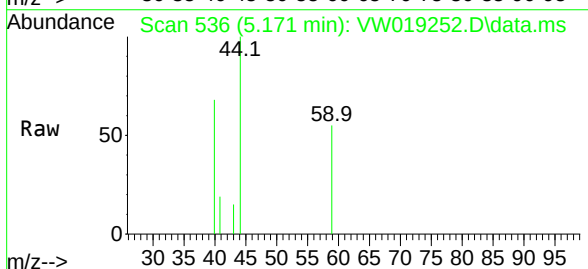
Instrument :
MSVOA_W
ClientSampled :

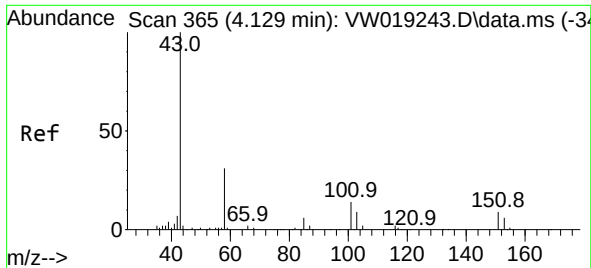
Tgt Ion:168 Resp: 314691
Ion Ratio Lower Upper
168 100
99 60.4 48.8 73.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.171 min Scan# 536
Delta R.T. -0.001 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

Tgt Ion: 59 Resp: 298
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

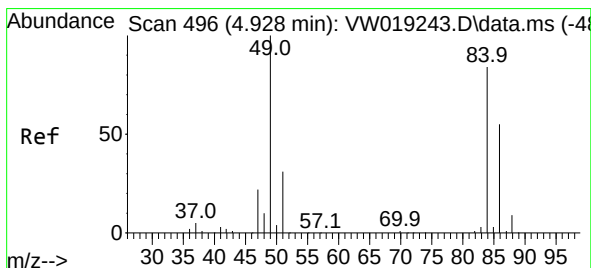
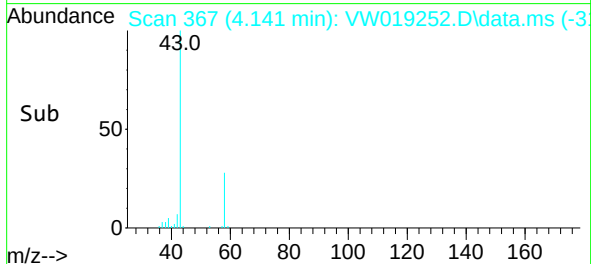
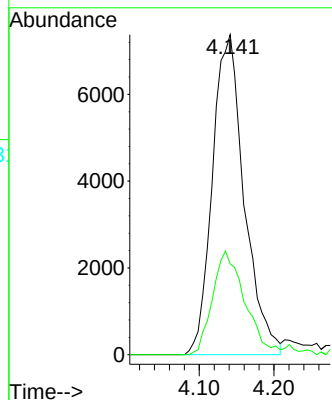
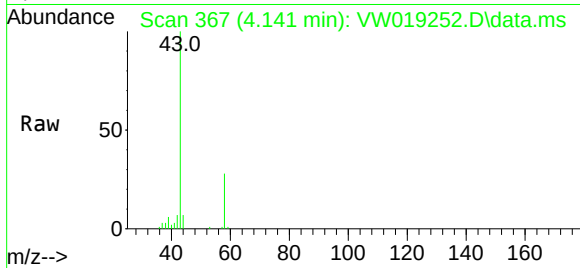




#16
Acetone
Concen: 35.542 ug/l
RT: 4.141 min Scan# 367
Delta R.T. 0.012 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

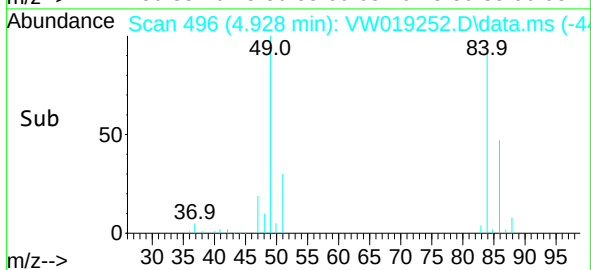
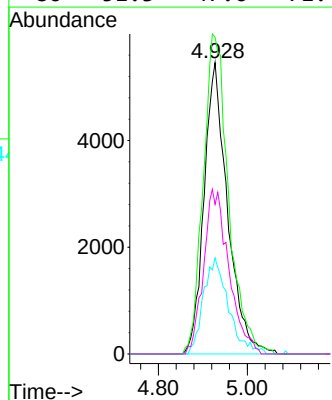
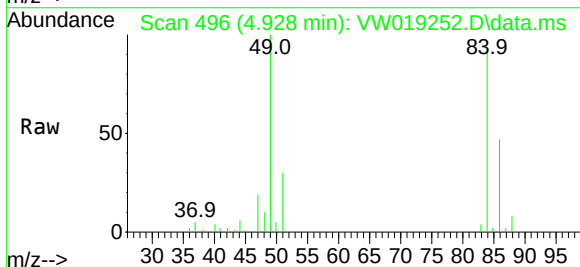
Instrument :
MSVOA_W
ClientSampled :

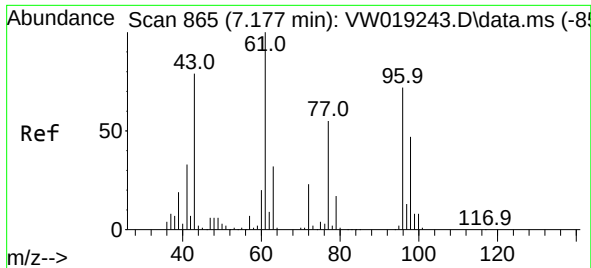
Tgt Ion: 43 Resp: 21776
Ion Ratio Lower Upper
43 100
58 28.4 26.4 39.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.928 min Scan# 496
Delta R.T. -0.000 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

Tgt Ion: 84 Resp: 20115
Ion Ratio Lower Upper
84 100
49 108.7 90.4 135.6
51 32.9 27.1 40.7
86 51.3 47.6 71.4

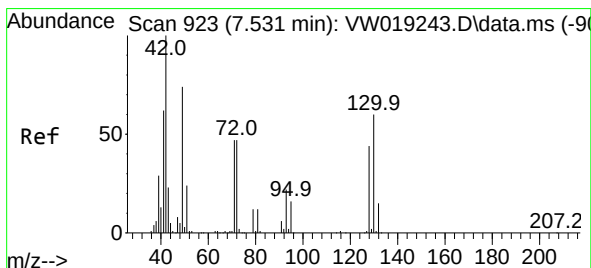
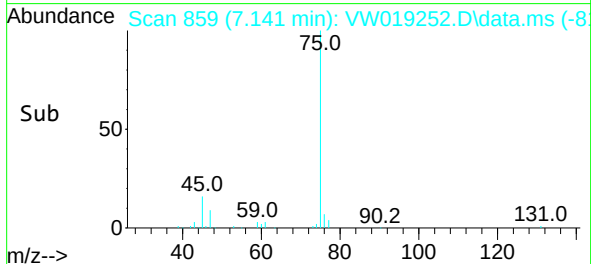
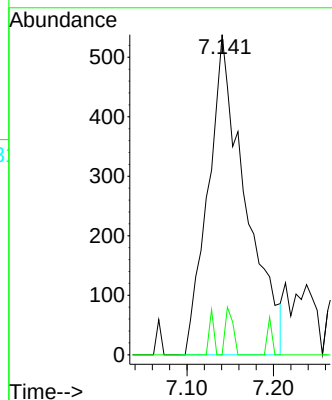
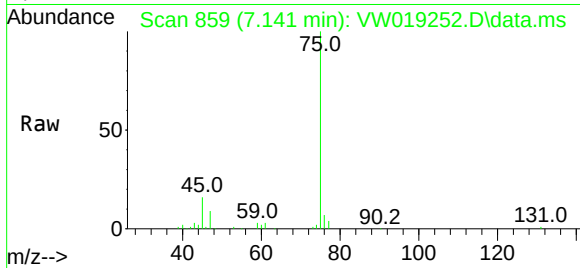




#25
2-Butanone
Concen: 1.770 ug/l
RT: 7.141 min Scan# 859
Delta R.T. -0.036 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

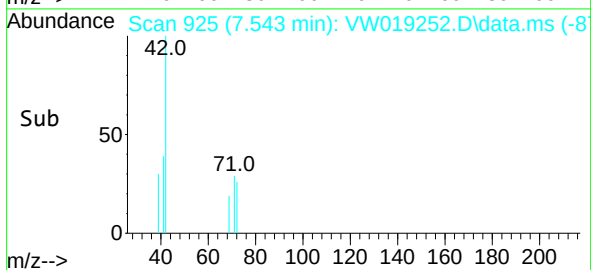
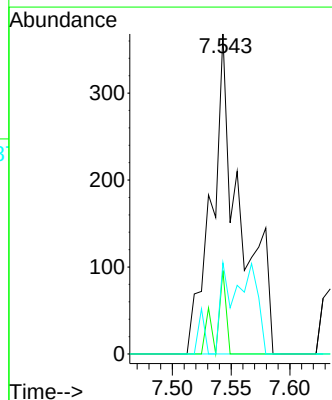
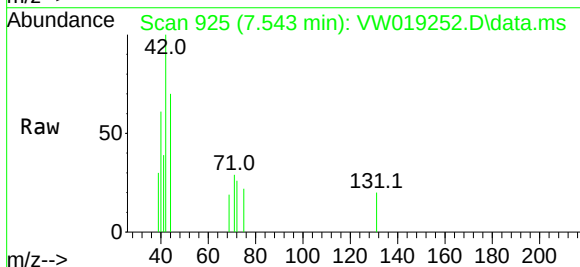
Instrument :
MSVOA_W
ClientSampled :

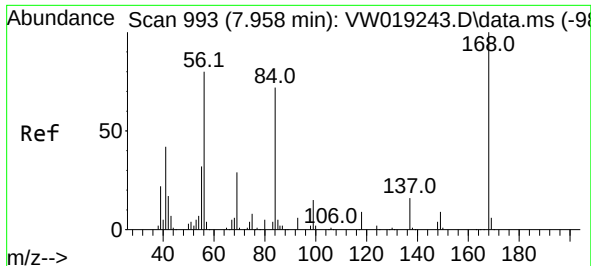
Tgt Ion: 43 Resp: 1599
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#



#29
Tetrahydrofuran
Concen: 1.101 ug/l
RT: 7.543 min Scan# 925
Delta R.T. 0.012 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

Tgt Ion: 42 Resp: 616
Ion Ratio Lower Upper
42 100
72 8.8 40.1 60.1#
71 28.2 38.3 57.5#

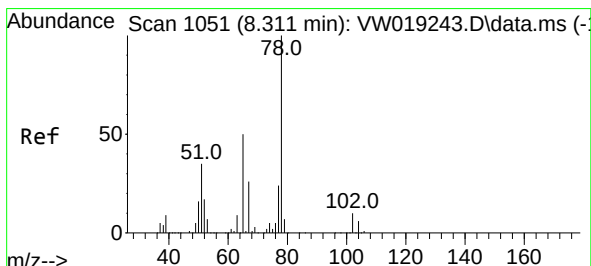
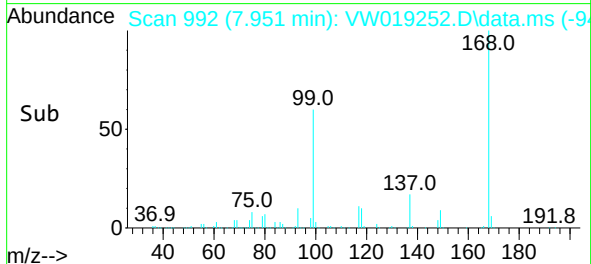
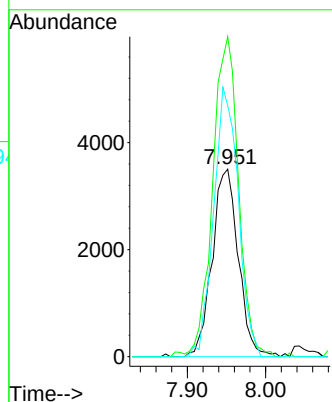
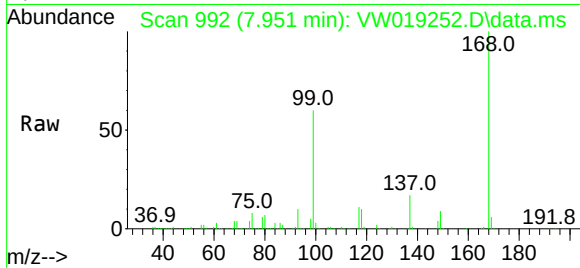




#31
Cyclohexane
Concen: 1.251 ug/l
RT: 7.951 min Scan# 992
Delta R.T. -0.007 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

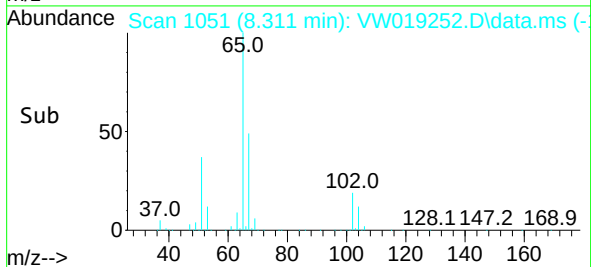
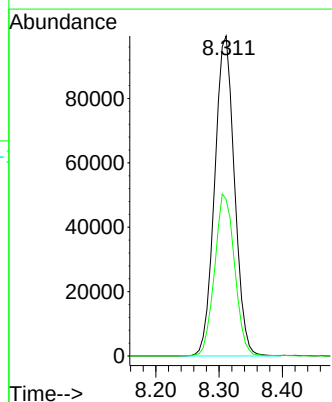
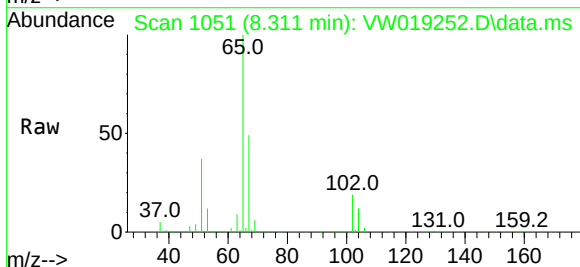
Instrument :
MSVOA_W
ClientSampleId :

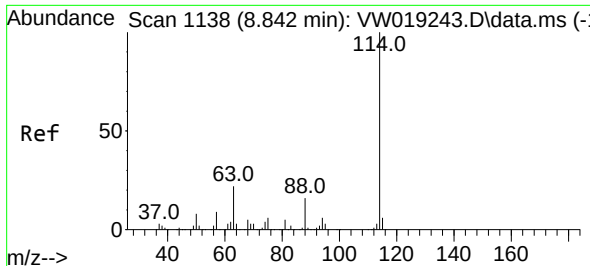
Tgt Ion: 56 Resp: 8121
Ion Ratio Lower Upper
56 100
69 170.7 28.4 42.6#
84 133.9 72.3 108.5#



#33
1,2-Dichloroethane-d4
Concen: 56.530 ug/l
RT: 8.311 min Scan# 1051
Delta R.T. 0.000 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

Tgt Ion: 65 Resp: 215797
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.0

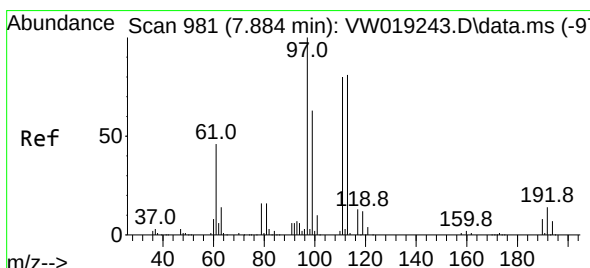
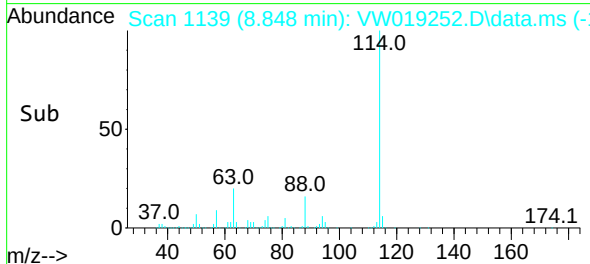
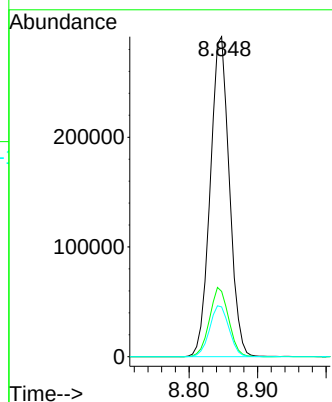
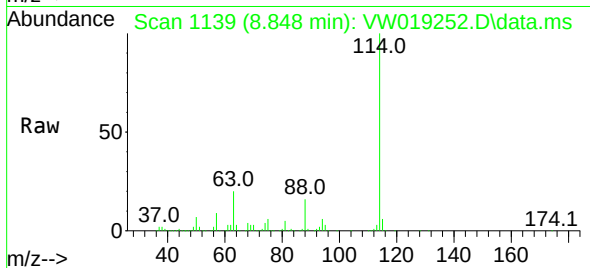




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.848 min Scan# 1139
Delta R.T. 0.006 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

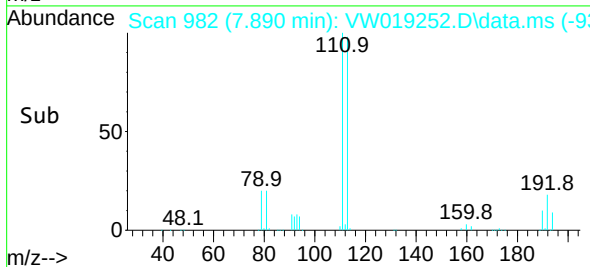
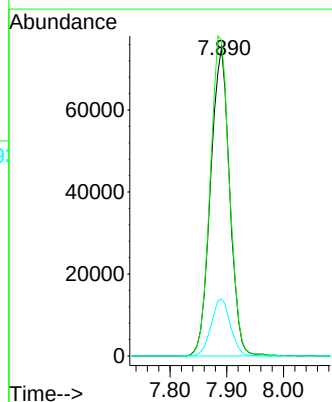
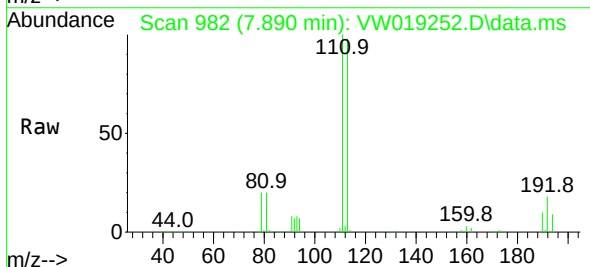
Instrument :
MSVOA_W
ClientSampleId :

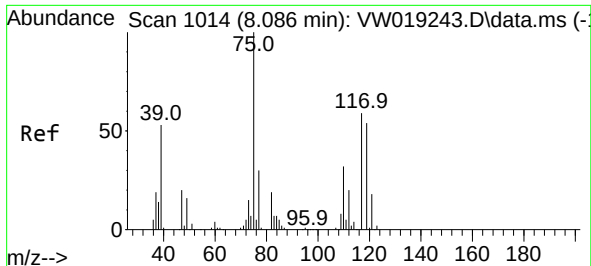
Tgt Ion:114 Resp: 563807
Ion Ratio Lower Upper
114 100
63 20.4 0.0 42.4
88 15.6 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.930 ug/l
RT: 7.890 min Scan# 982
Delta R.T. 0.006 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

Tgt Ion:113 Resp: 175713
Ion Ratio Lower Upper
113 100
111 104.7 82.3 123.5
192 18.7 15.3 22.9





#36

1,1-Dichloropropene

Concen: 4.682 ug/l

RT: 7.945 min Scan# 991

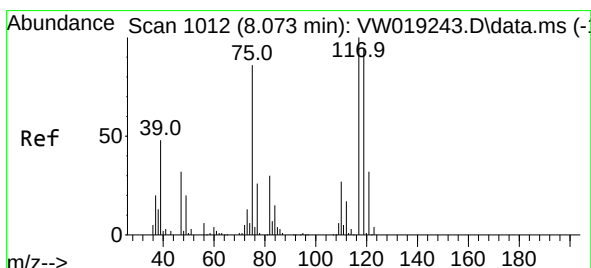
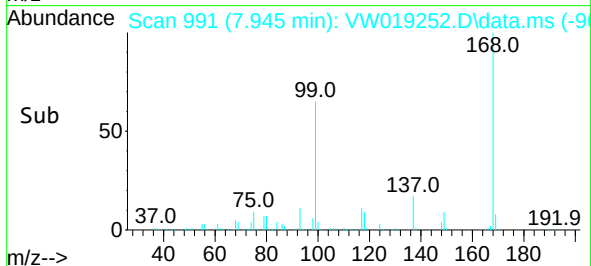
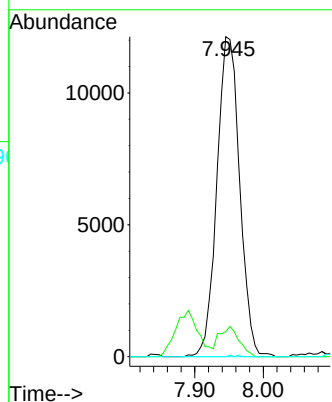
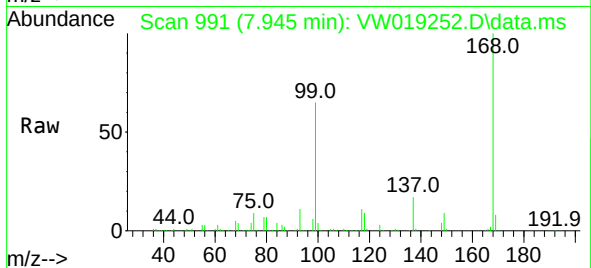
Delta R.T. -0.141 min

Lab File: VW019252.D

Acq: 21 Jun 2021 16:14

Tgt Ion:	75	Resp:	27937
Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.1	51.2#
77	0.2	25.3	37.9#

Instrument :
MSVOA_W
ClientSampleId :



#38

Carbon Tetrachloride

Concen: 6.495 ug/l

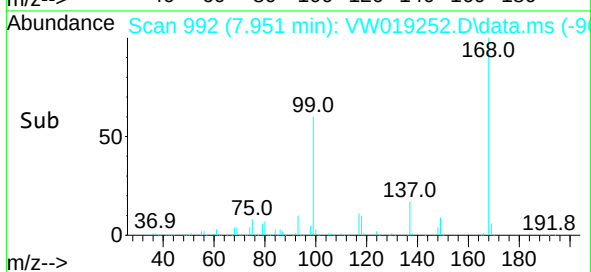
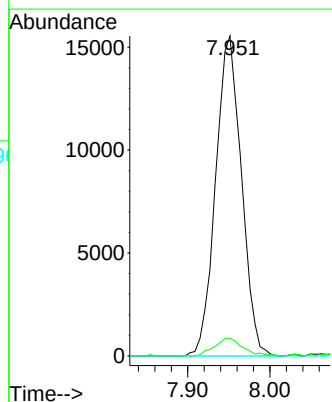
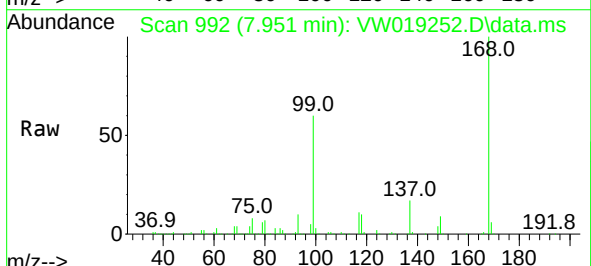
RT: 7.951 min Scan# 992

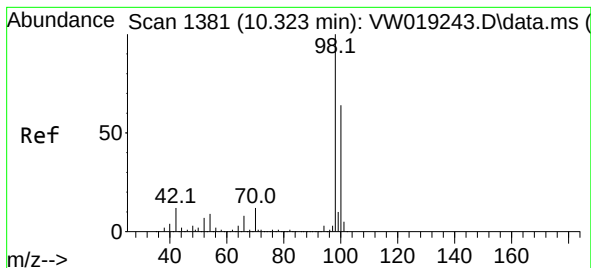
Delta R.T. -0.122 min

Lab File: VW019252.D

Acq: 21 Jun 2021 16:14

Tgt Ion:	117	Resp:	33880
Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.4	116.0#
121	0.0	23.6	35.4#

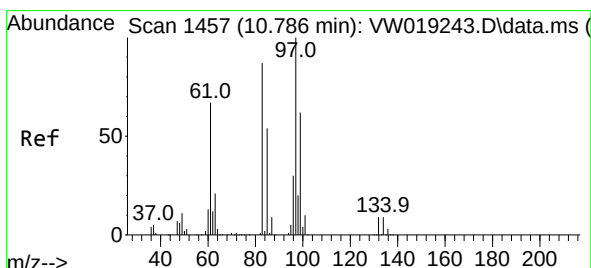
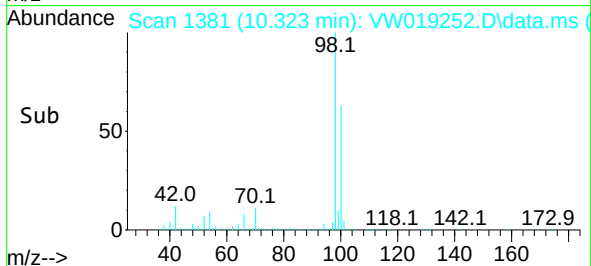
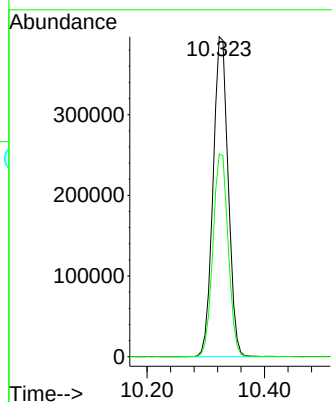
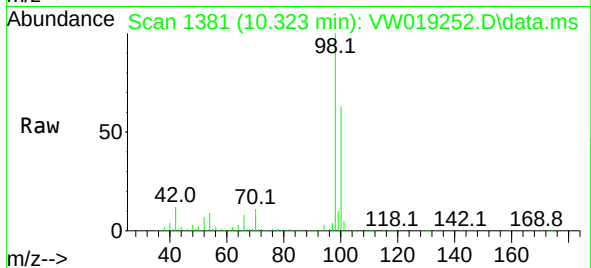




#50
Toluene-d8
Concen: 49.228 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

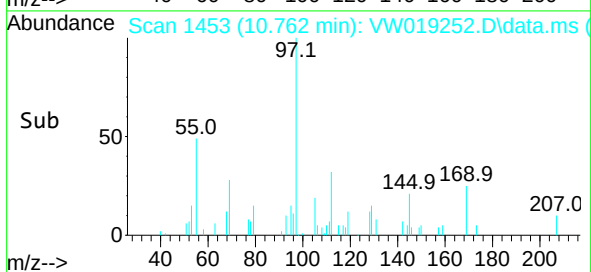
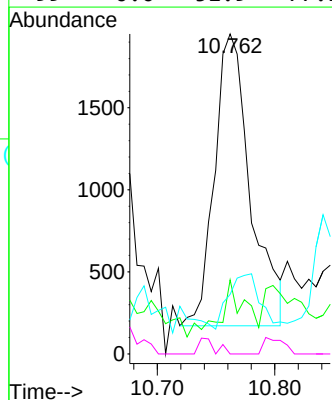
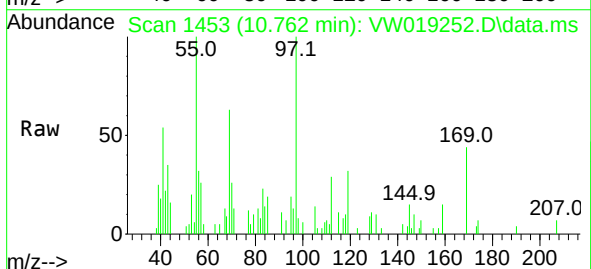
Instrument :
MSVOA_W
ClientSampled :

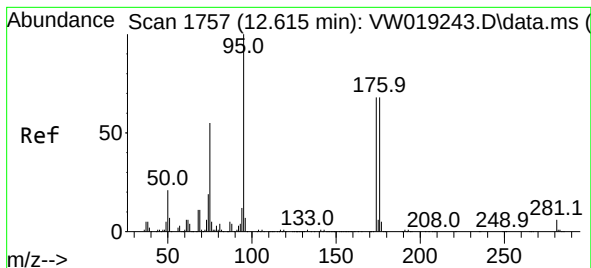
Tgt Ion: 98 Resp: 707693
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0



#55
1,1,2-Trichloroethane
Concen: 1.304 ug/l
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

Tgt Ion: 97 Resp: 3788
Ion Ratio Lower Upper
97 100
83 13.0 70.6 106.0#
85 9.4 45.8 68.6#
99 0.0 51.9 77.9#

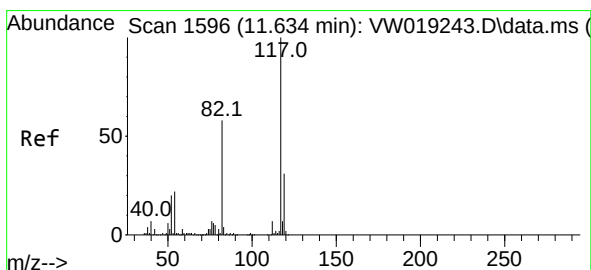
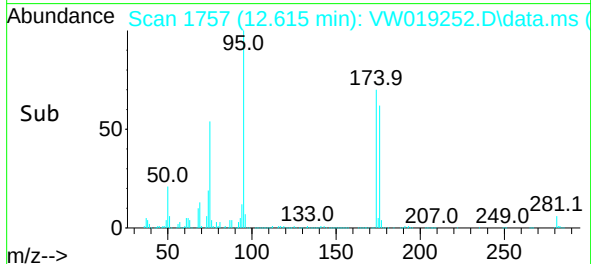
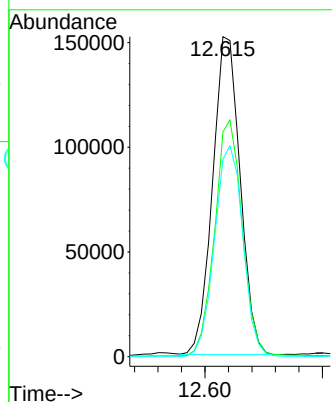
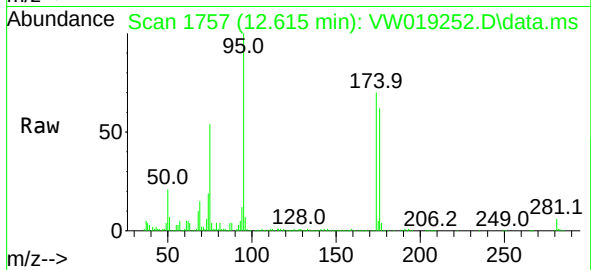




#62
4-Bromofluorobenzene
Concen: 49.205 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

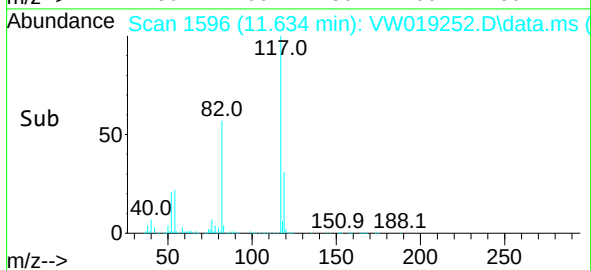
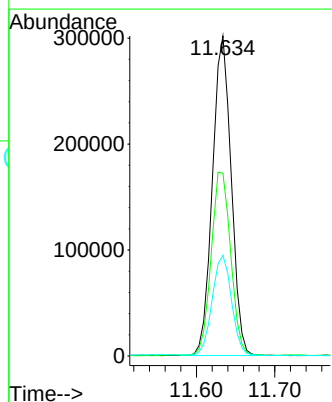
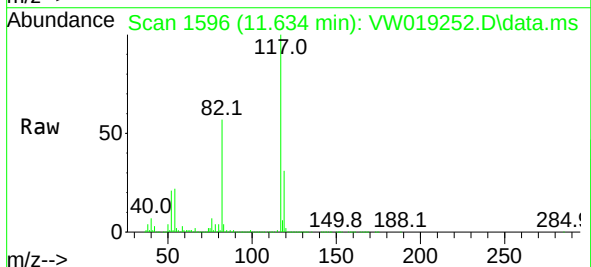
Instrument :
MSVOA_W
ClientSampleId :

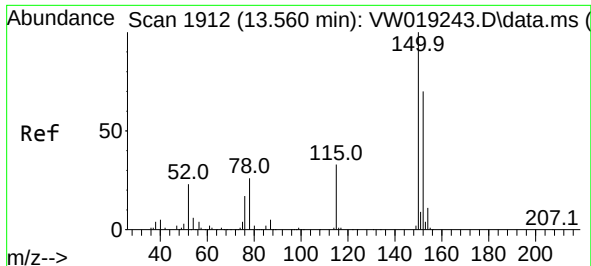
Tgt Ion: 95 Resp: 247393
Ion Ratio Lower Upper
95 100
174 74.6 0.0 156.2
176 68.5 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 1596
Delta R.T. -0.000 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

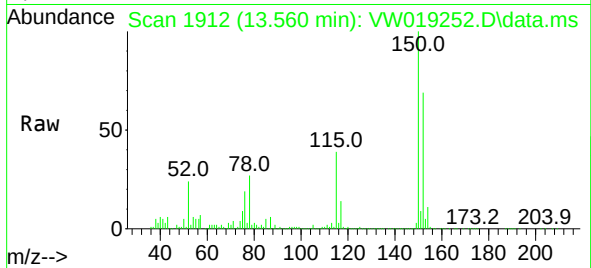
Tgt Ion: 117 Resp: 501837
Ion Ratio Lower Upper
117 100
82 57.0 44.4 66.6
119 31.4 24.6 36.8



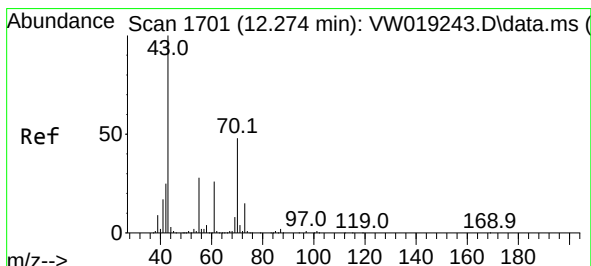
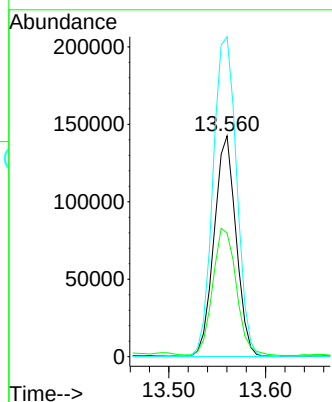
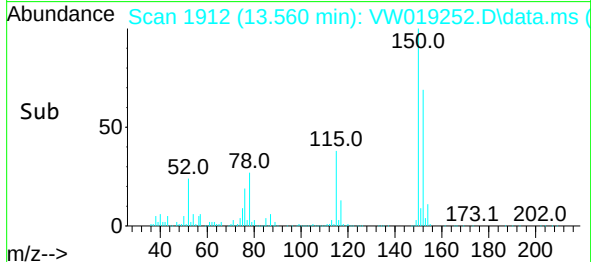


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.560 min Scan# 1912
Delta R.T. 0.000 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

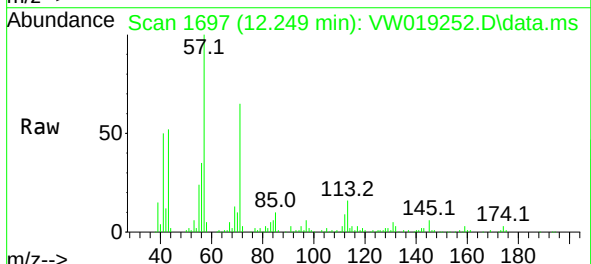
Instrument :
MSVOA_W
ClientSampleId :



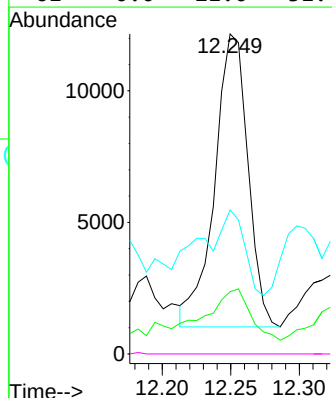
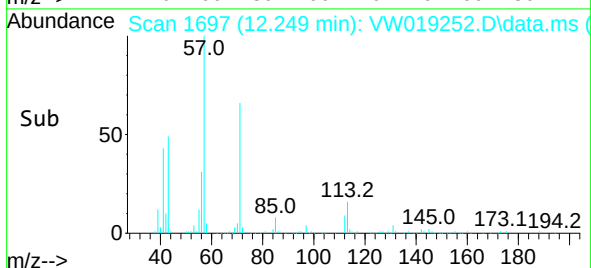
Tgt Ion:152 Resp: 224032
Ion Ratio Lower Upper
152 100
115 62.1 30.3 90.8
150 155.9 0.0 356.0

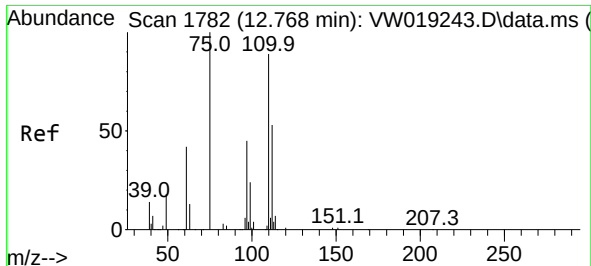


#74
N-ethyl acetate
Concen: 5.330 ug/l
RT: 12.249 min Scan# 1697
Delta R.T. -0.025 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14



Tgt Ion: 43 Resp: 18807
Ion Ratio Lower Upper
43 100
70 23.1 38.4 57.6#
55 39.0 21.6 32.4#
61 0.0 21.0 31.4#

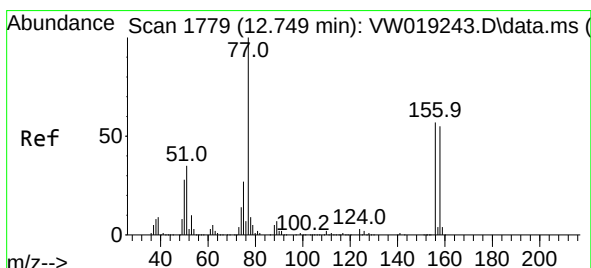
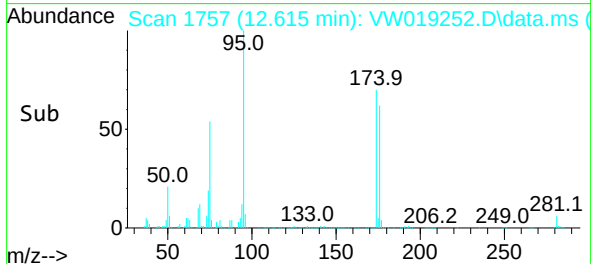
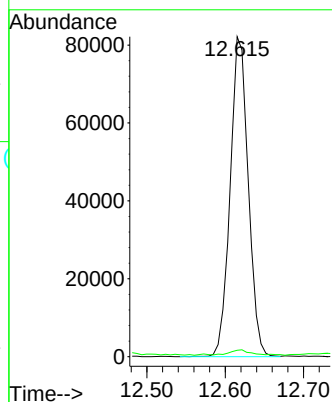
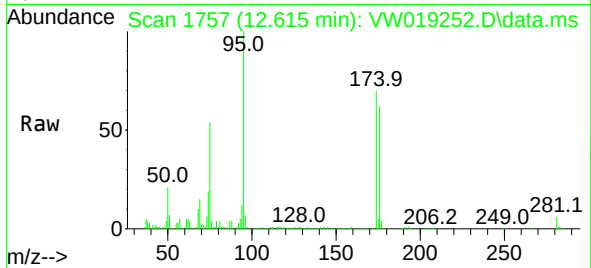




#76
1,2,3-Trichloropropane
Concen: 59.994 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. -0.153 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

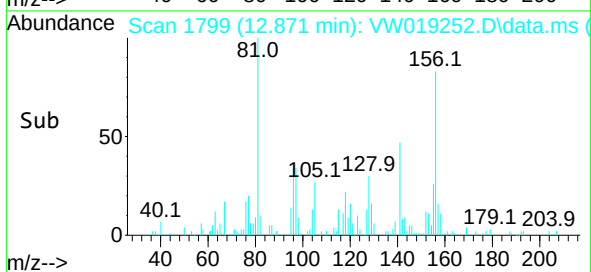
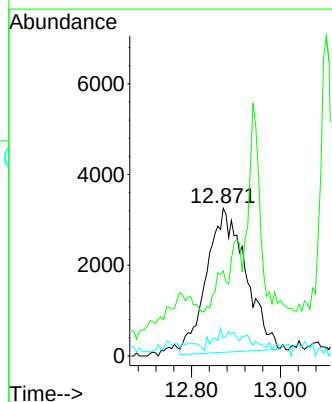
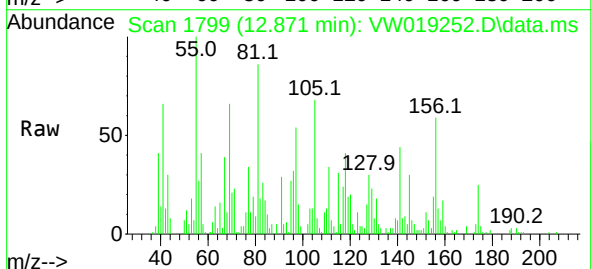
Instrument :
MSVOA_W
ClientSampled :

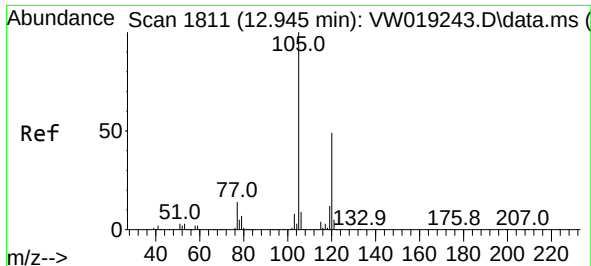
Tgt Ion: 75 Resp: 131672
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#77
Bromobenzene
Concen: 5.408 ug/l
RT: 12.871 min Scan# 1799
Delta R.T. 0.122 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

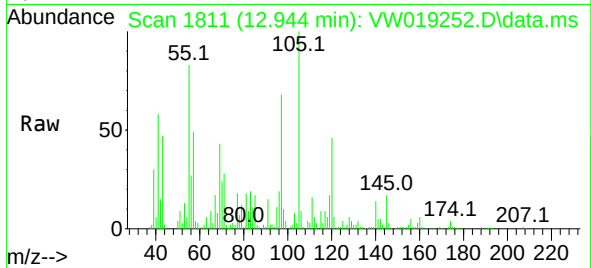
Tgt Ion:156 Resp: 19398
Ion Ratio Lower Upper
156 100
77 9.8 96.7 290.0#
158 4.2 48.4 145.3#



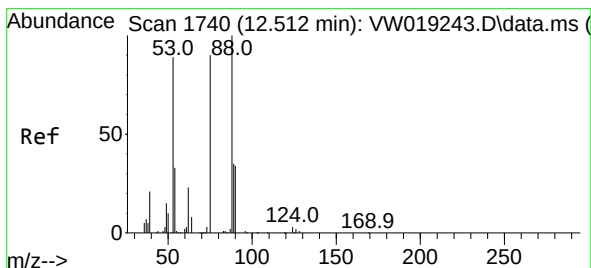
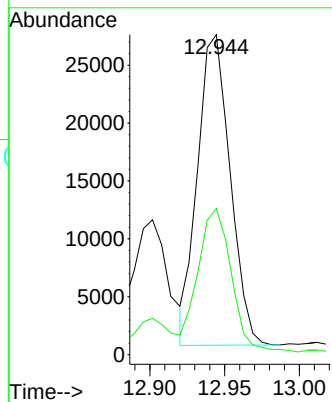
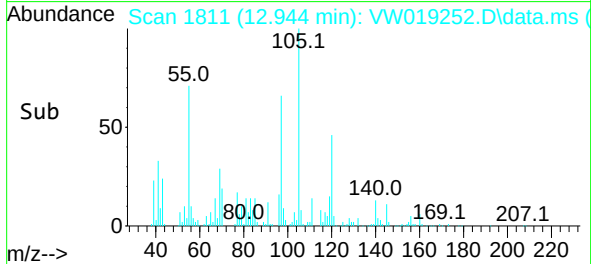


#80
1,3,5-Trimethylbenzene
Concen: 2.877 ug/l
RT: 12.944 min Scan# 1811
Delta R.T. -0.001 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

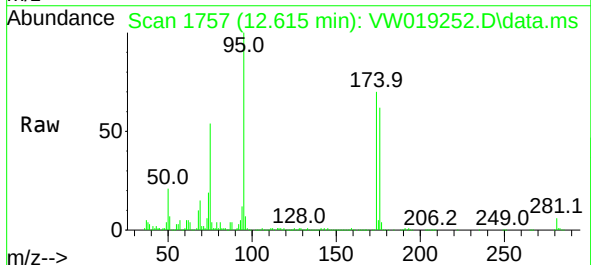
Instrument :
MSVOA_W
ClientSampleId :



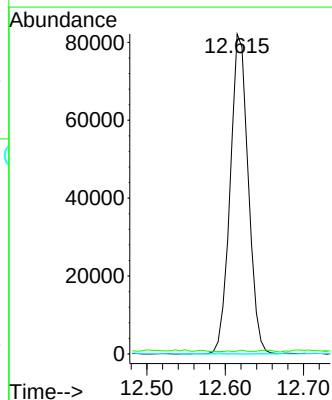
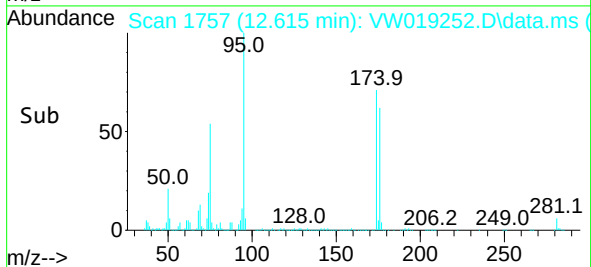
Tgt Ion:105 Resp: 40639
Ion Ratio Lower Upper
105 100
120 47.4 24.1 72.2

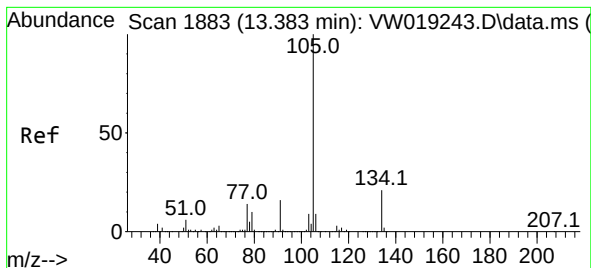


#81
trans-1,4-Dichloro-2-butene
Concen: 145.541 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.103 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14



Tgt Ion: 75 Resp: 131672
Ion Ratio Lower Upper
75 100
53 0.3 81.5 122.3#
89 0.0 36.3 54.5#

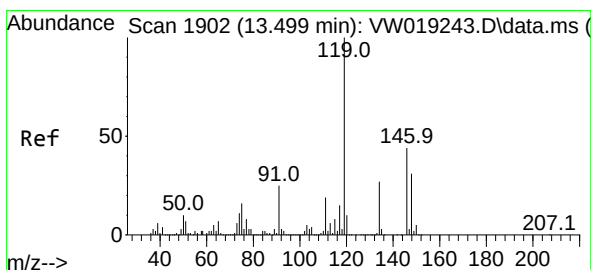
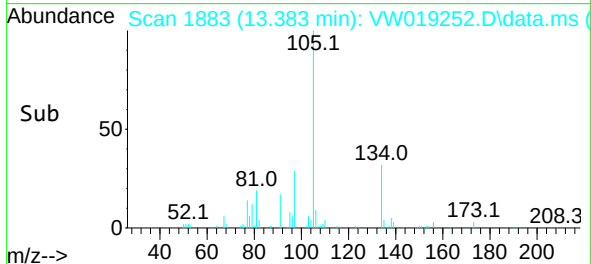
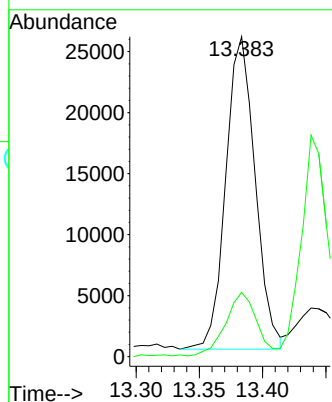
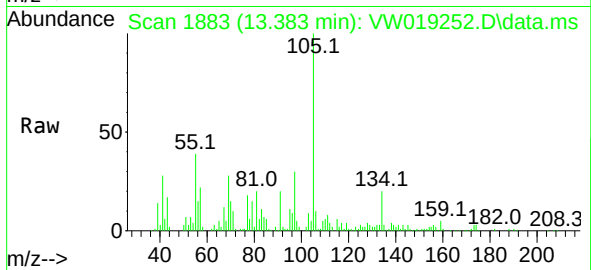




#85
 sec-Butylbenzene
 Concen: 2.226 ug/l
 RT: 13.383 min Scan# 1883
 Delta R.T. 0.000 min
 Lab File: VW019252.D
 Acq: 21 Jun 2021 16:14

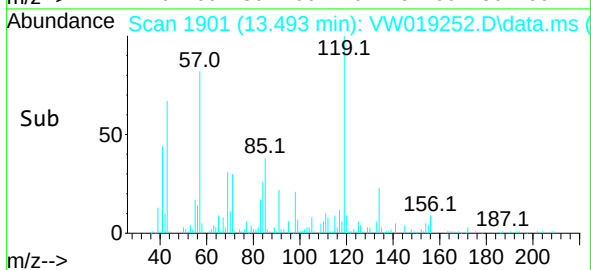
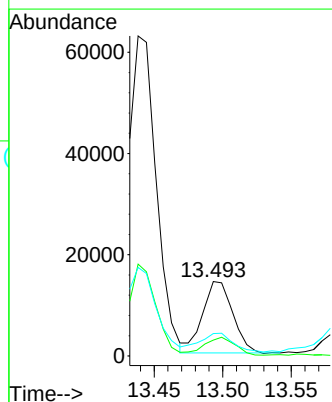
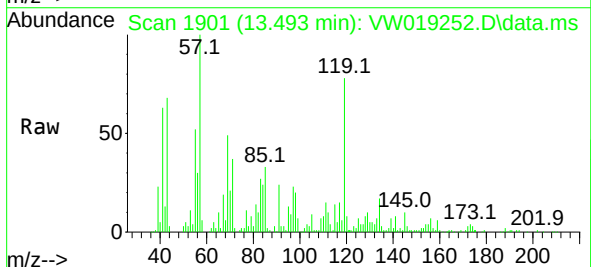
Instrument :
 MSVOA_W
 ClientSampled :

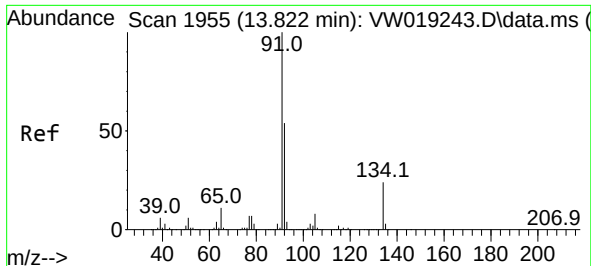
Tgt Ion:105 Resp: 41296
 Ion Ratio Lower Upper
 105 100
 134 21.8 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 1.436 ug/l
 RT: 13.493 min Scan# 1901
 Delta R.T. -0.006 min
 Lab File: VW019252.D
 Acq: 21 Jun 2021 16:14

Tgt Ion:119 Resp: 21684
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.8 38.3
 91 28.6 12.1 36.3

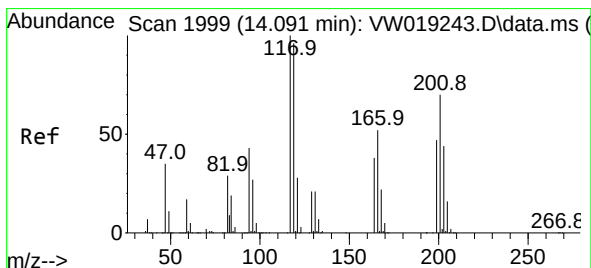
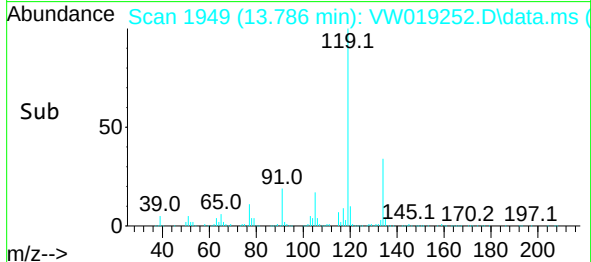
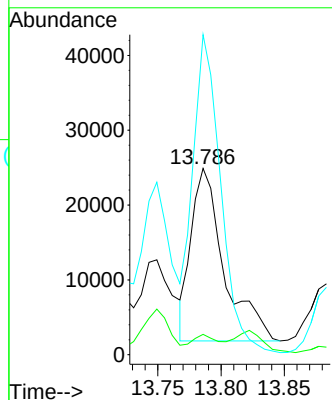
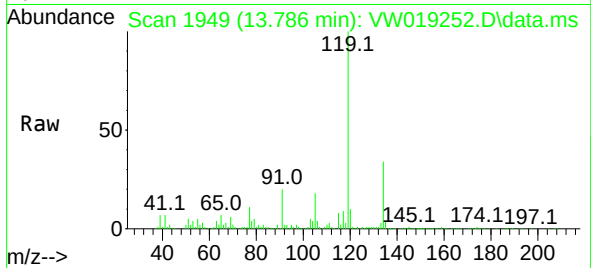




#89
n-Butylbenzene
Concen: 2.758 ug/l
RT: 13.786 min Scan# 1949
Delta R.T. -0.036 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

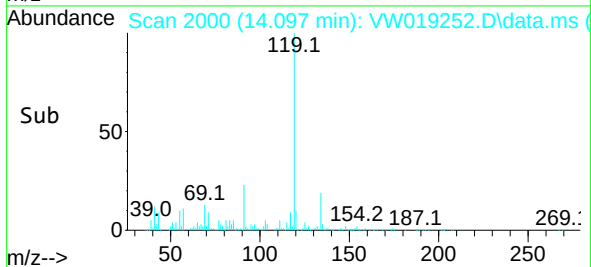
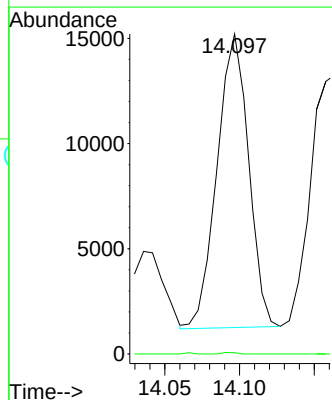
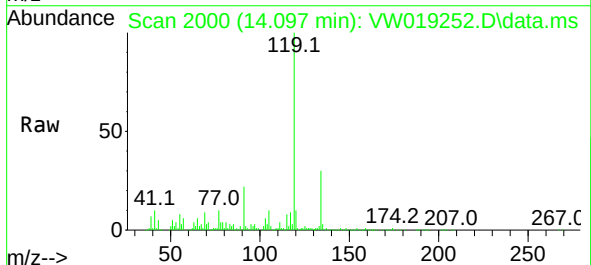
Instrument :
MSVOA_W
ClientSampleId :

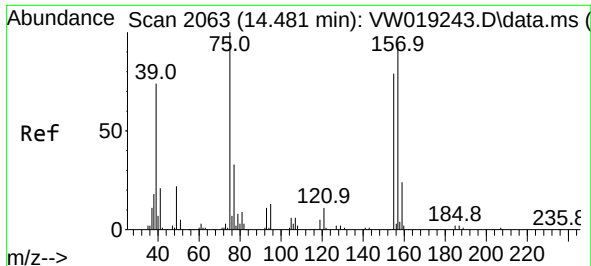
Tgt Ion: 91 Resp: 41876
Ion Ratio Lower Upper
91 100
92 3.1 26.6 79.8#
134 156.0 12.7 38.0#



#90
Hexachloroethane
Concen: 7.472 ug/l
RT: 14.097 min Scan# 2000
Delta R.T. 0.006 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

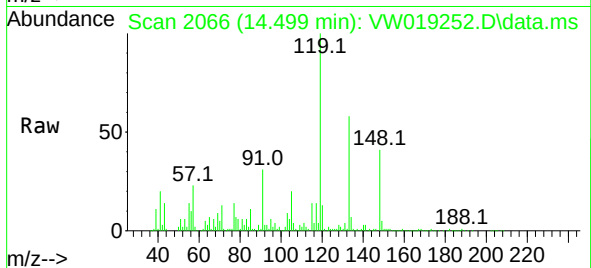
Tgt Ion: 117 Resp: 20444
Ion Ratio Lower Upper
117 100
201 0.2 38.4 115.2#



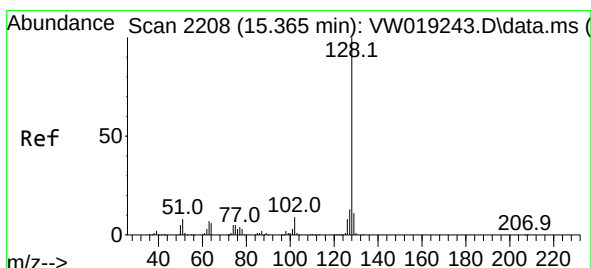
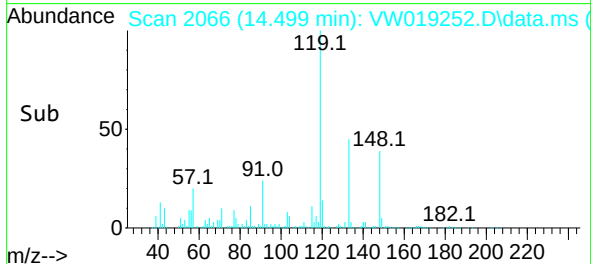
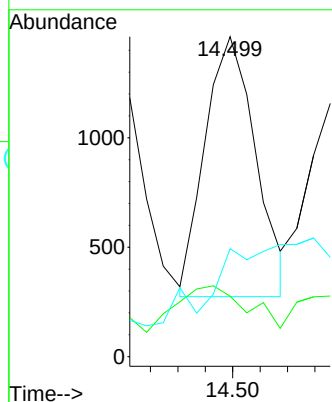


#92
1,2-Dibromo-3-Chloropropane
Concen: 3.157 ug/l
RT: 14.499 min Scan# 2066
Delta R.T. 0.018 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 75 Resp: 1527
Ion Ratio Lower Upper
75 100
155 25.0 41.3 124.1#
157 0.0 51.2 153.6#



#95
Naphthalene
Concen: 1.072 ug/l
RT: 15.328 min Scan# 2202
Delta R.T. -0.037 min
Lab File: VW019252.D
Acq: 21 Jun 2021 16:14

Tgt Ion:128 Resp: 8259
Ion Ratio Lower Upper
128 100
127 66.8 10.4 15.6#
129 94.4 8.5 12.7#

