

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110621\
 Data File : VW020776.D
 Acq On : 05 Nov 2021 13:25
 Operator : SY/VA
 Sample : M4464-15
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7L3

Quant Time: Nov 20 03:04:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Nov 20 02:58:59 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	168932	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	153415	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	86008	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	31067	19.560	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	78.240%		
7) Chloroethane-d5	2.879	69	19058	21.072	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	84.280%		
11) 1,1-Dichloroethene-d2	4.019	63	66029	19.805	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	79.240%		
21) 2-Butanone-d5	7.080	46	19535	37.034	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	74.060%		
24) Chloroform-d	7.647	84	72289	19.259	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	77.040%		
26) 1,2-Dichloroethane-d4	8.305	65	38257	19.145	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	76.600%		
32) Benzene-d6	8.275	84	138430	19.971	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	79.880%		
36) 1,2-Dichloropropane-d6	9.274	67	42658	19.878	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	79.520%		
41) Toluene-d8	10.323	98	132175	19.601	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	78.400%		
43) trans-1,3-Dichloroprop...	10.579	79	20098	18.882	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	75.520%		
47) 2-Hexanone-d5	10.921	63	16247	37.417	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	74.840%		
56) 1,1,2,2-Tetrachloroeth...	12.695	84	33719	18.959	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	75.840%		
66) 1,2-Dichlorobenzene-d4	13.853	152	53788	19.900	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	79.600%		
Target Compounds						Qvalue
3) Chloromethane	2.215	50	33692	18.692	ug/L	97
6) Bromomethane	2.776	94	12270	9.119	ug/L	95
9) Trichlorofluoromethane	3.251	101	20005	14.508	ug/L	100
12) 1,1-Dichloroethene	4.038	96	43236	20.005	ug/L	82
13) Acetone	4.117	43	34266	70.695	ug/L	90
15) Methyl Acetate	4.666	43	29453	32.023	ug/L	94
16) Methylene chloride	4.909	84	25846	10.332	ug/L	85
17) trans-1,2-Dichloroethene	5.422	96	23636	10.288	ug/L	89
18) Methyl tert-butyl Ether	5.422	73	89149	27.423	ug/L	95
20) cis-1,2-Dichloroethene	7.165	96	59472	24.557	ug/L	88
23) Bromochloromethane	7.513	128	15989	14.307	ug/L #	72
27) 1,2-Dichloroethane	8.397	62	24937	9.299	ug/L	99
29) Cyclohexane	7.958	56	40075	10.012	ug/L	91
30) 1,1,1-Trichloroethane	7.872	97	36146	9.914	ug/L	95
31) Carbon tetrachloride	8.067	117	43629	12.576	ug/L	99
34) Trichloroethene	9.092	95	97835	40.003	ug/L	90
35) Methylcyclohexane	9.335	83	107138	25.103	ug/L	91
37) 1,2-Dichloropropane	9.366	63	27413	12.602	ug/L	98
38) Bromodichloromethane	9.640	83	58393	19.176	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110621\
 Data File : VW020776.D
 Acq On : 05 Nov 2021 13:25
 Operator : SY/VA
 Sample : M4464-15
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7L3

Quant Time: Nov 20 03:04:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Nov 20 02:58:59 2021
 Response via : Initial Calibration

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

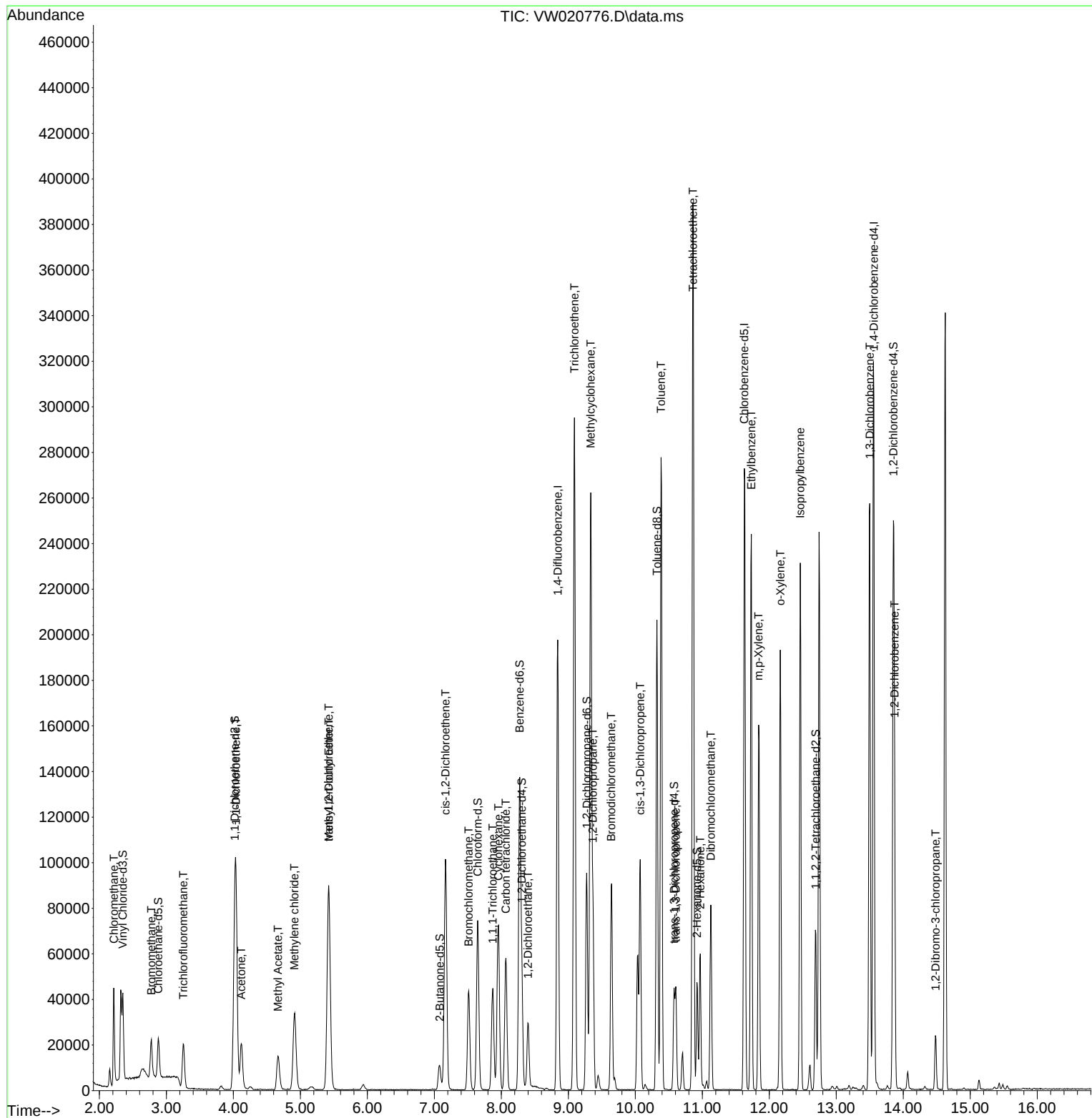
39) cis-1,3-Dichloropropene	10.073	75	55322	15.626	ug/L	99
42) Toluene	10.384	91	199250	20.167	ug/L	97
44) trans-1,3-Dichloropropene	10.603	75	22366	6.984	ug/L	99
46) Tetrachloroethene	10.860	164	90427	41.222	ug/L	96
48) 2-Hexanone	10.969	43	38605	37.187	ug/L #	97
49) Dibromochloromethane	11.128	129	40073	18.177	ug/L	99
52) Ethylbenzene	11.731	91	170484	15.401	ug/L	97
53) m,p-Xylene	11.841	106	44290	9.986	ug/L	91
54) o-Xylene	12.164	106	50964	12.130	ug/L	99
60) Isopropylbenzene	12.463	105	145748	12.295	ug/L	96
64) 1,3-Dichlorobenzene	13.499	146	109064	19.843	ug/L	94
67) 1,2-Dichlorobenzene	13.871	146	46925	9.665	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.481	75	5558	15.997	ug/L #	76

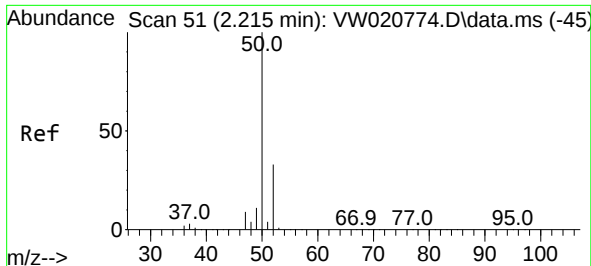
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110621\
 Data File : VW020776.D
 Acq On : 05 Nov 2021 13:25
 Operator : SY/VA
 Sample : M4464-15
 Misc : 5.00g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7L3

Quant Time: Nov 20 03:04:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Nov 20 02:58:59 2021
 Response via : Initial Calibration

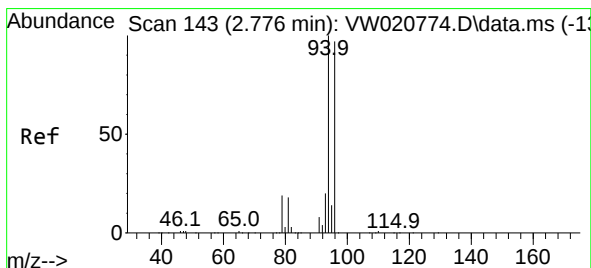
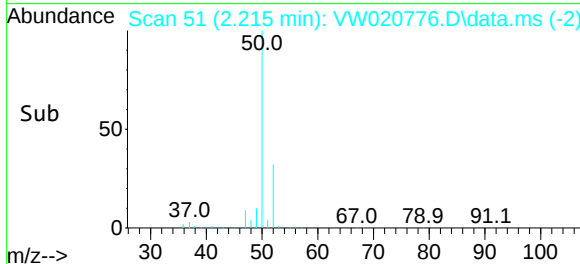
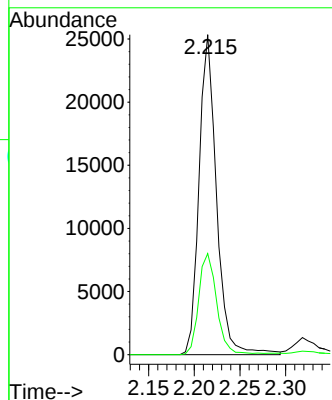
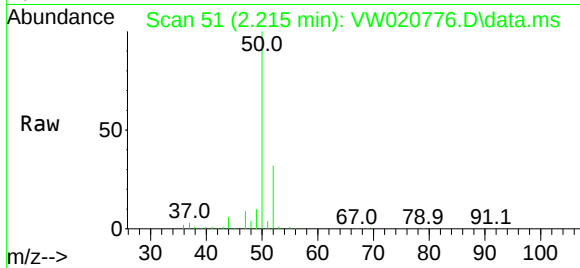




#3
Chloromethane
Concen: 18.692 ug/L
RT: 2.215 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

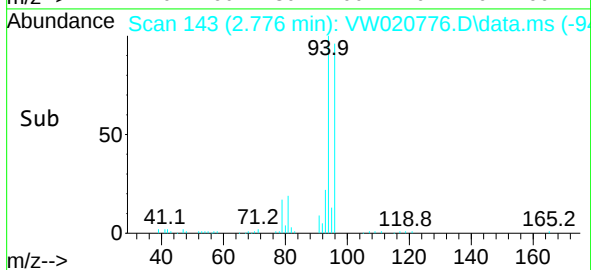
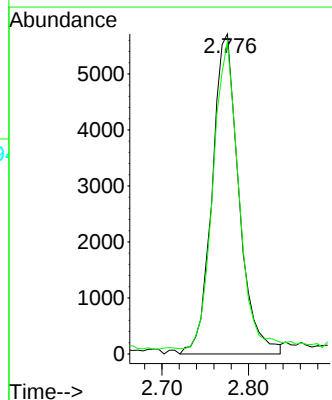
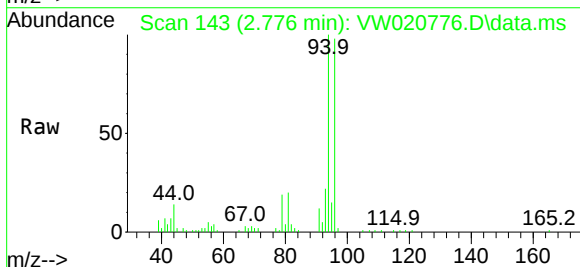
Instrument :
MSVOA_W
ClientSampleId :
GB7L3

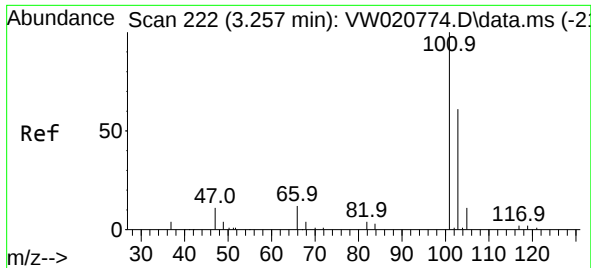
Tgt Ion: 50 Resp: 33692
Ion Ratio Lower Upper
50 100
52 31.6 23.4 43.6



#6
Bromomethane
Concen: 9.119 ug/L
RT: 2.776 min Scan# 143
Delta R.T. 0.000 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

Tgt Ion: 94 Resp: 12270
Ion Ratio Lower Upper
94 100
96 97.5 64.8 120.4

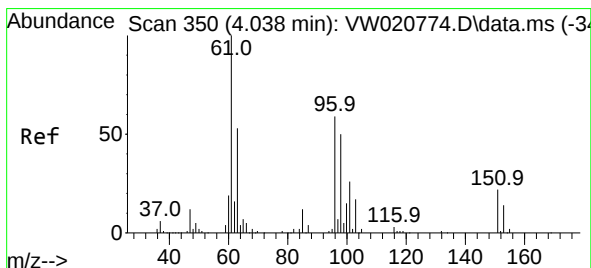
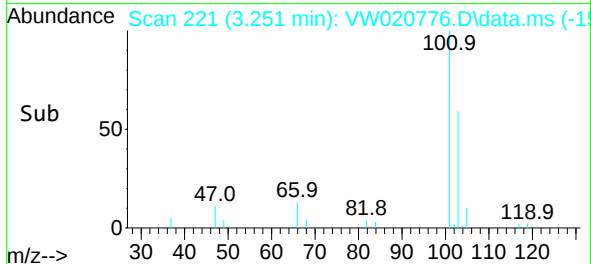
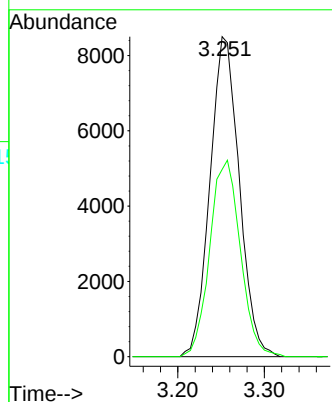
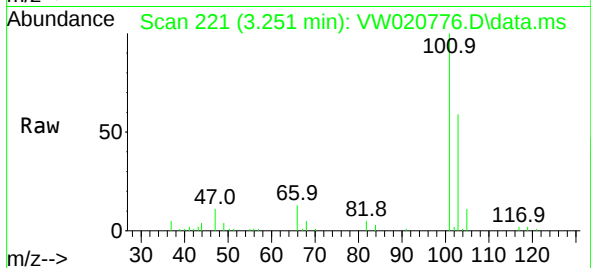




#9
 Trichlorofluoromethane
 Concen: 14.508 ug/L
 RT: 3.251 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW020776.D
 Acq: 05 Nov 2021 13:25

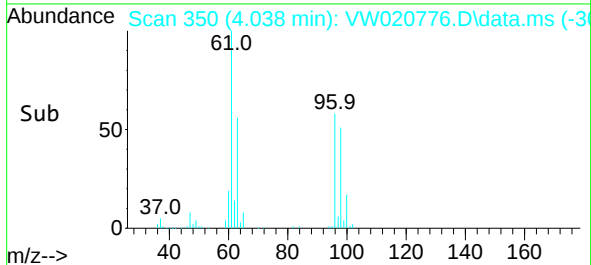
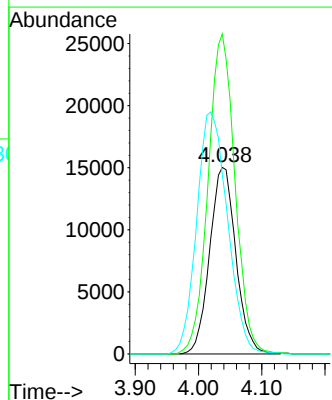
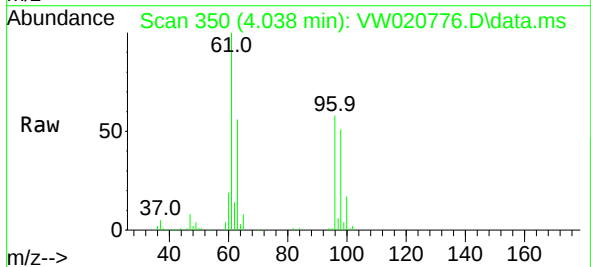
Instrument :
 MSVOA_W
 ClientSampleId :
 GB7L3

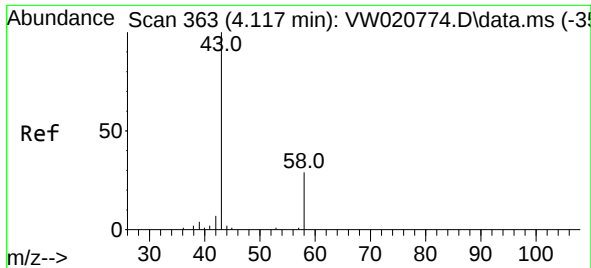
Tgt Ion:101 Resp: 20005
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.4 77.2



#12
 1,1-Dichloroethene
 Concen: 20.005 ug/L
 RT: 4.038 min Scan# 350
 Delta R.T. -0.006 min
 Lab File: VW020776.D
 Acq: 05 Nov 2021 13:25

Tgt Ion: 96 Resp: 43236
 Ion Ratio Lower Upper
 96 100
 61 171.5 138.3 256.9
 63 96.4 82.6 153.4

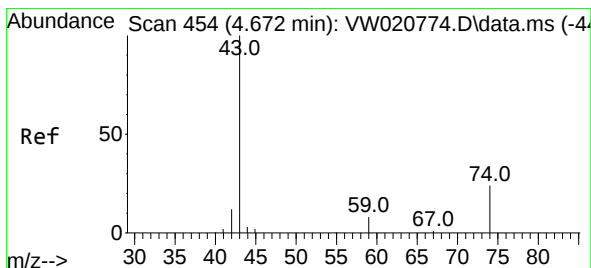
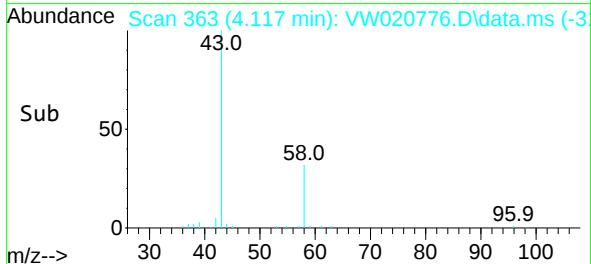
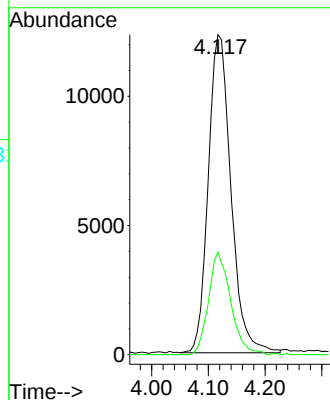
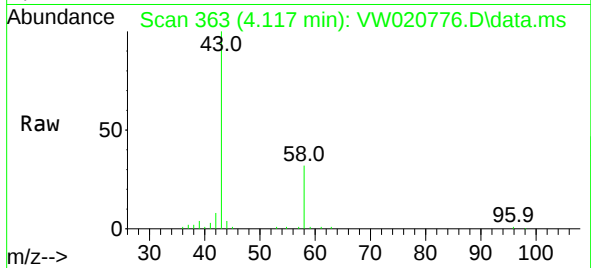




#13
Acetone
Concen: 70.695 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.005 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

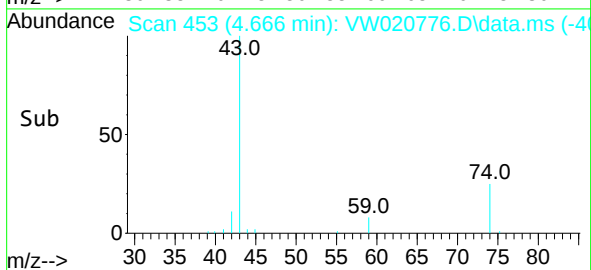
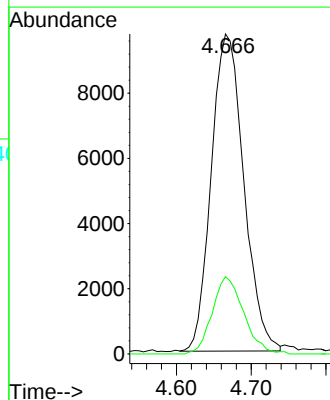
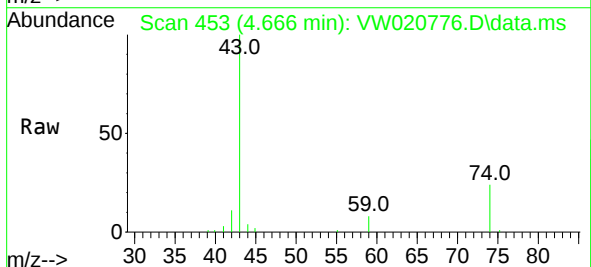
Instrument :
MSVOA_W
ClientSampleId :
GB7L3

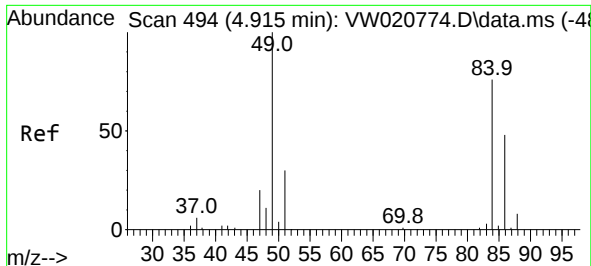
Tgt Ion: 43 Resp: 34266
Ion Ratio Lower Upper
43 100
58 31.4 0.0 52.8



#15
Methyl Acetate
Concen: 32.023 ug/L
RT: 4.666 min Scan# 453
Delta R.T. -0.005 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

Tgt Ion: 43 Resp: 29453
Ion Ratio Lower Upper
43 100
74 23.3 16.4 24.6

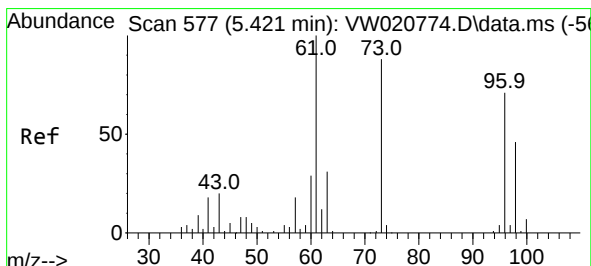
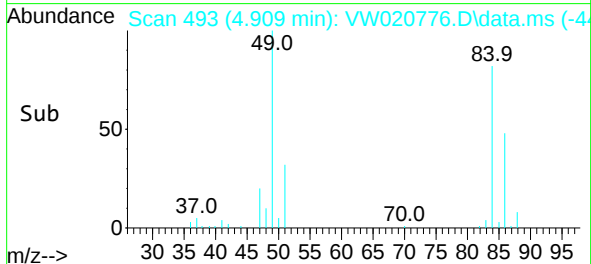
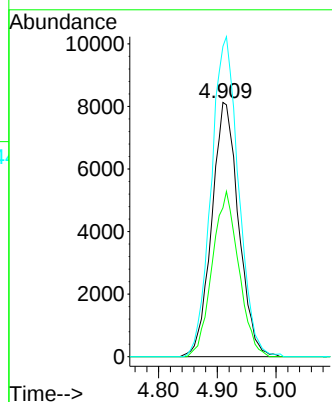
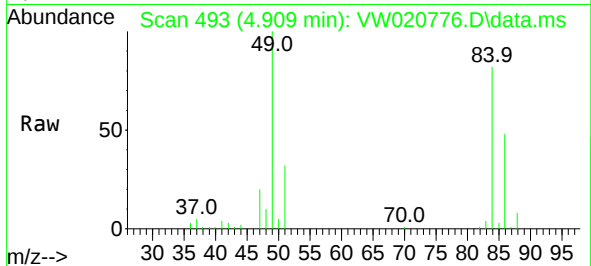




#16
Methylene chloride
Concen: 10.332 ug/L
RT: 4.909 min Scan# 494
Delta R.T. -0.006 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

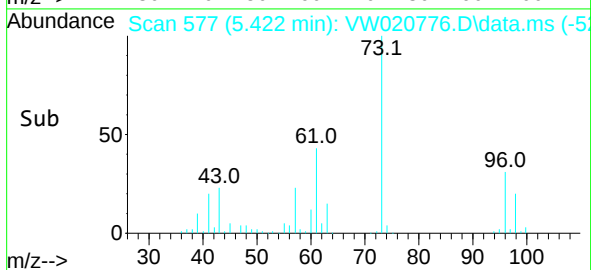
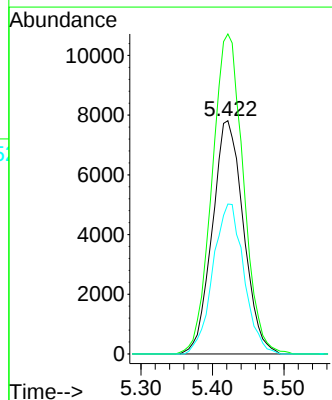
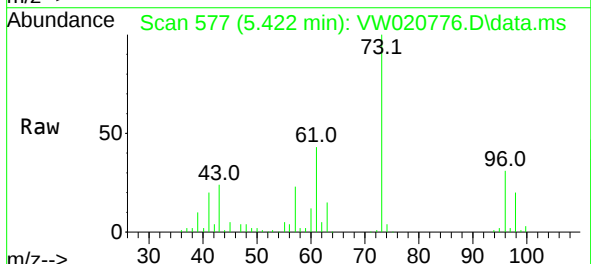
Instrument :
MSVOA_W
ClientSampleId :
GB7L3

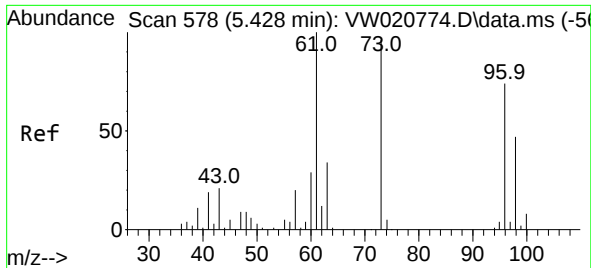
Tgt Ion: 84 Resp: 25846
Ion Ratio Lower Upper
84 100
86 58.5 45.5 84.5
49 122.1 100.5 186.7



#17
trans-1,2-Dichloroethene
Concen: 10.288 ug/L
RT: 5.422 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

Tgt Ion: 96 Resp: 23636
Ion Ratio Lower Upper
96 100
61 137.2 107.4 199.4
98 64.3 41.2 76.6

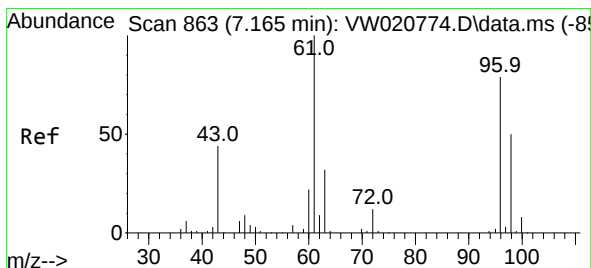
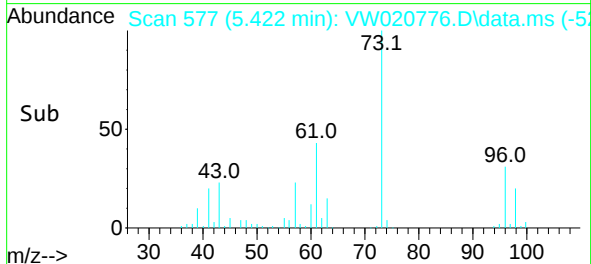
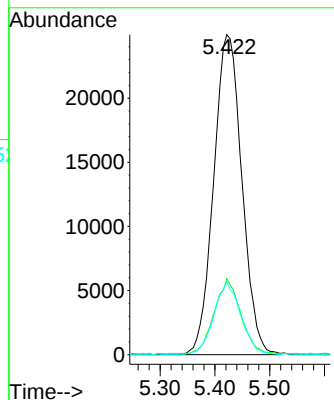
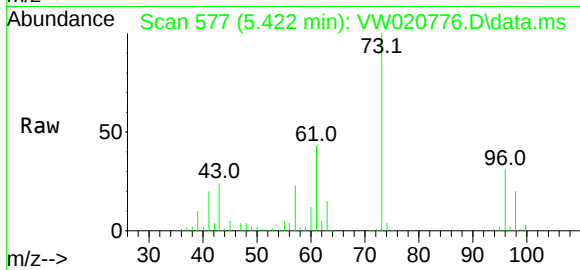




#18
Methyl tert-butyl Ether
Concen: 27.423 ug/L
RT: 5.422 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

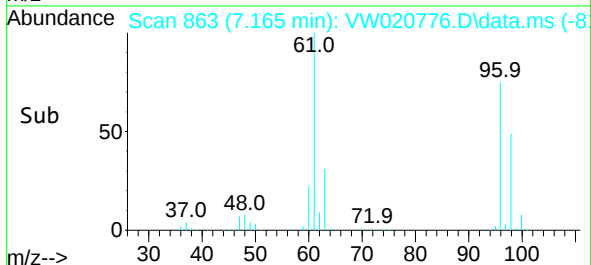
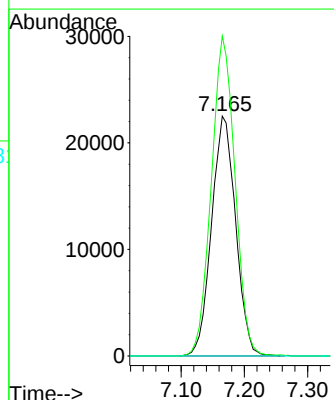
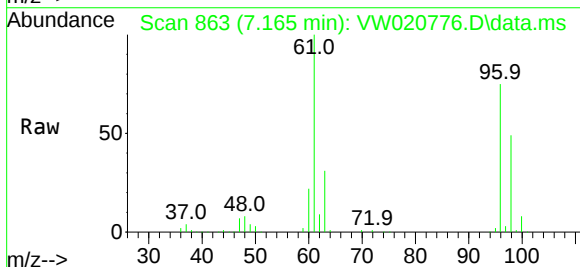
Instrument :
MSVOA_W
ClientSampleId :
GB7L3

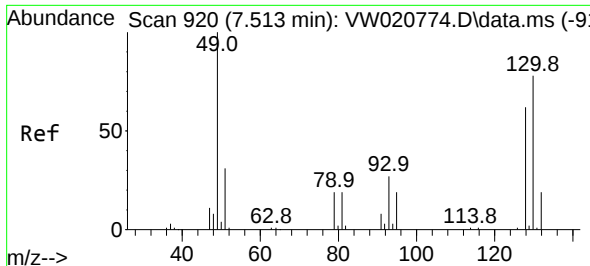
Tgt Ion: 73	Resp: 89149
Ion Ratio	Lower Upper
73 100	
43 21.5	19.5 29.3
57 21.8	19.3 28.9



#20
cis-1,2-Dichloroethene
Concen: 24.557 ug/L
RT: 7.165 min Scan# 863
Delta R.T. 0.000 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

Tgt Ion: 96	Resp: 59472
Ion Ratio	Lower Upper
96 100	
61 133.4	103.7 192.7
68 0.0	0.0 0.0

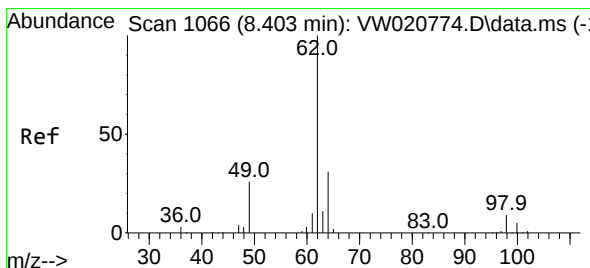
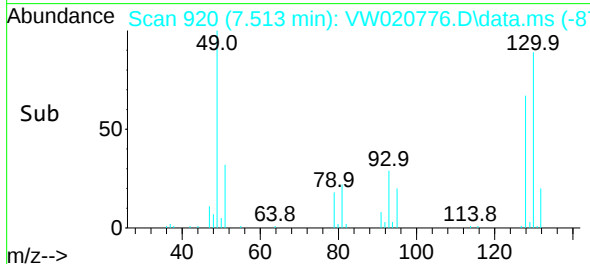
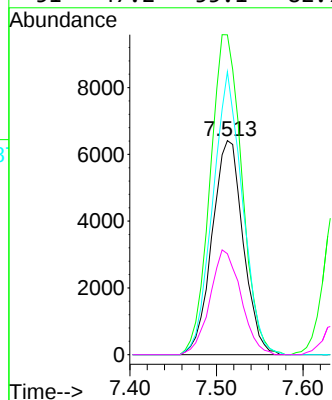
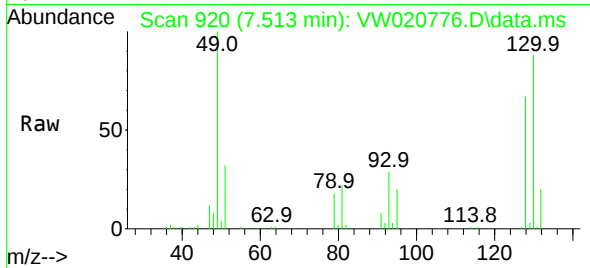




#23
Bromochloromethane
Concen: 14.307 ug/L
RT: 7.513 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

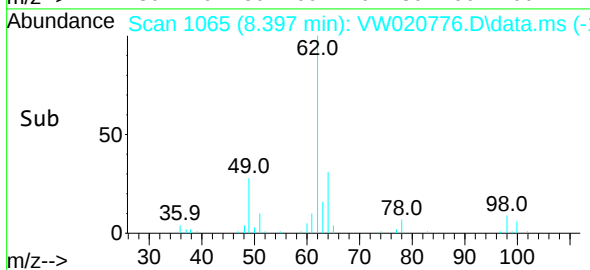
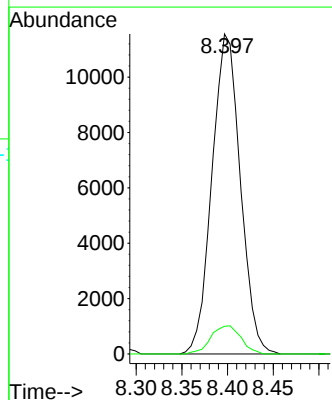
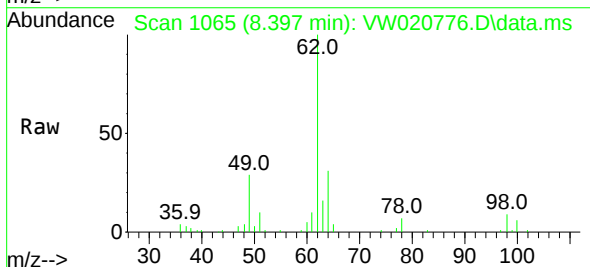
Instrument :
MSVOA_W
ClientSampleId :
GB7L3

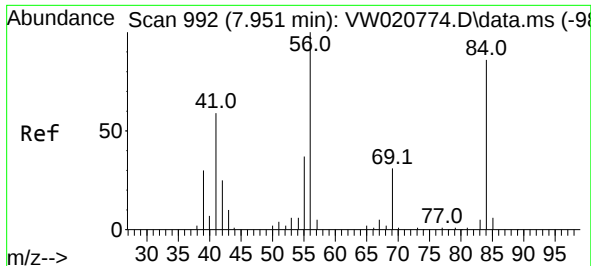
Tgt Ion:128 Resp: 15989
Ion Ratio Lower Upper
128 100
49 149.4 150.3 279.1#
130 132.2 88.3 163.9
51 47.2 55.1 82.7#



#27
1,2-Dichloroethane
Concen: 9.299 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

Tgt Ion: 62 Resp: 24937
Ion Ratio Lower Upper
62 100
98 8.6 6.5 9.7





#29

Cyclohexane

Concen: 10.012 ug/L

RT: 7.958 min Scan# 992

Delta R.T. 0.000 min

Lab File: VW020776.D

Acq: 05 Nov 2021 13:25

Instrument :

MSVOA_W

ClientSampleId :

GB7L3

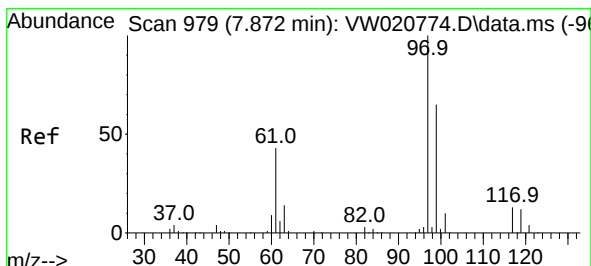
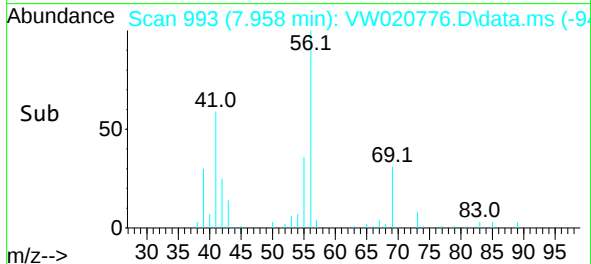
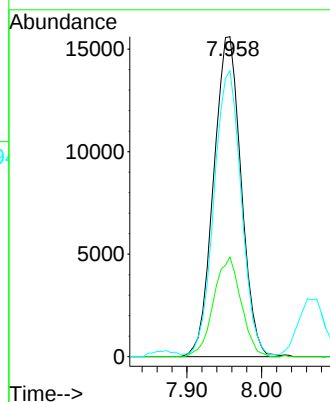
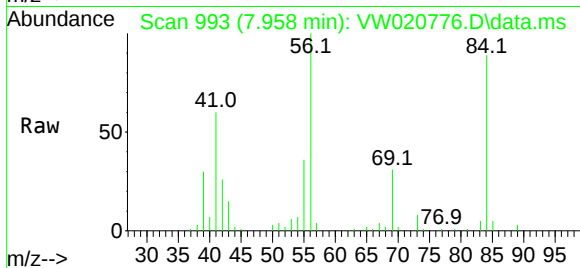
Tgt Ion: 56 Resp: 40075

Ion Ratio Lower Upper

56 100

69 31.0 23.5 35.3

84 88.8 63.4 95.2



#30

1,1,1-Trichloroethane

Concen: 9.914 ug/L

RT: 7.872 min Scan# 979

Delta R.T. 0.000 min

Lab File: VW020776.D

Acq: 05 Nov 2021 13:25

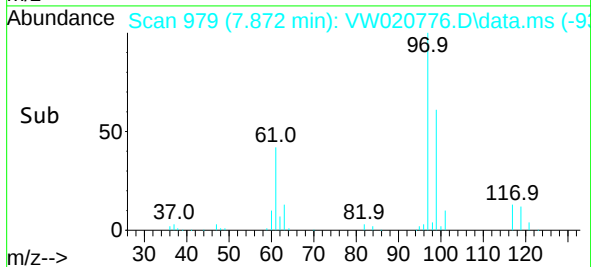
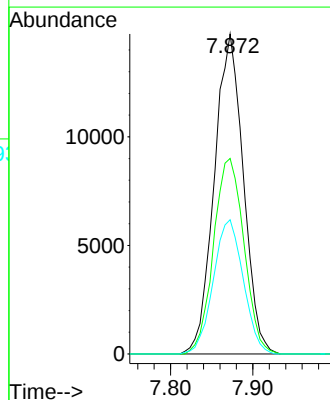
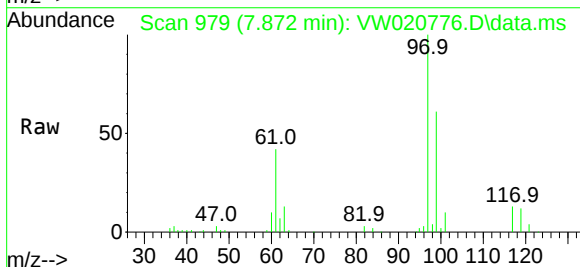
Tgt Ion: 97 Resp: 36146

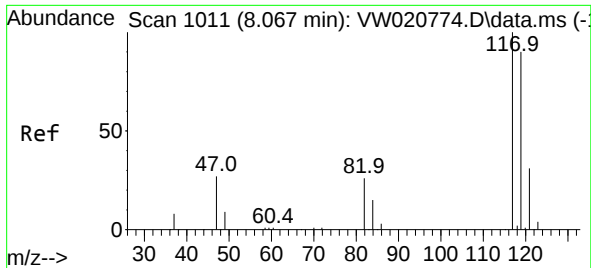
Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

61 43.3 40.9 61.3

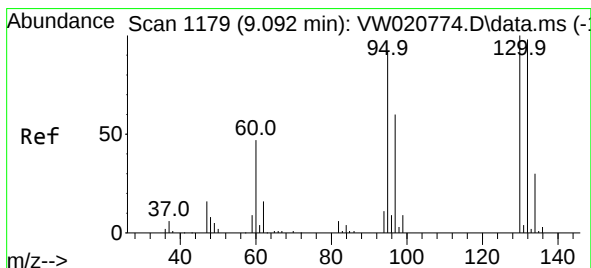
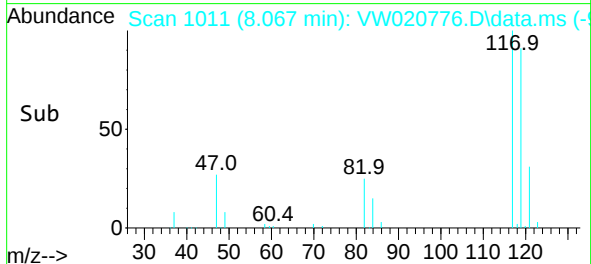
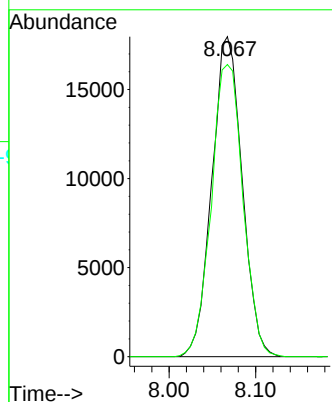
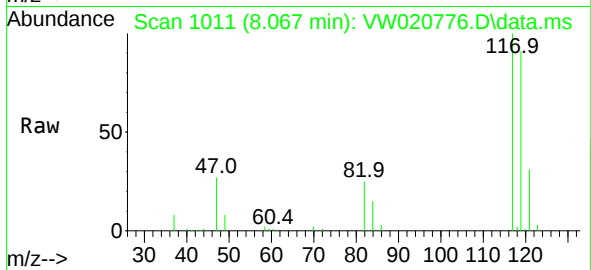




#31
Carbon tetrachloride
Concen: 12.576 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

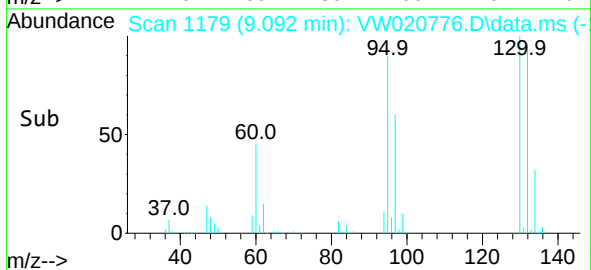
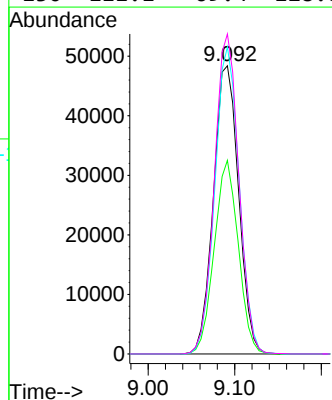
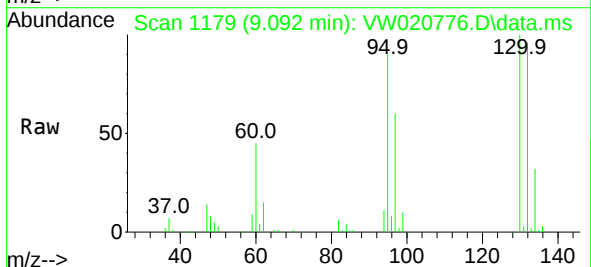
Instrument :
MSVOA_W
ClientSampleId :
GB7L3

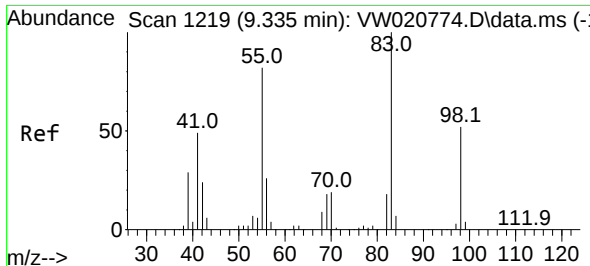
Tgt Ion: 117 Resp: 43629
Ion Ratio Lower Upper
117 100
119 95.4 75.7 113.5



#34
Trichloroethene
Concen: 40.003 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

Tgt Ion: 95 Resp: 97835
Ion Ratio Lower Upper
95 100
97 67.2 47.0 87.2
132 106.6 65.5 121.6
130 111.1 69.4 128.8

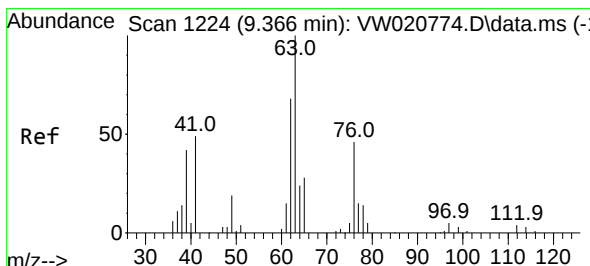
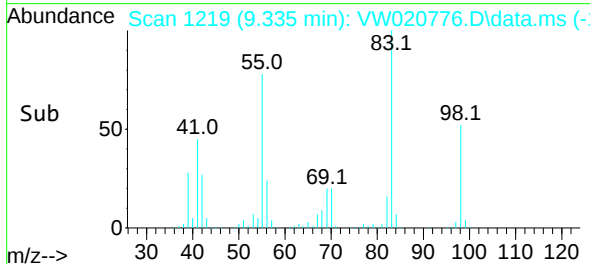
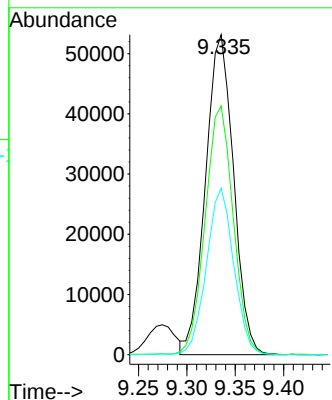
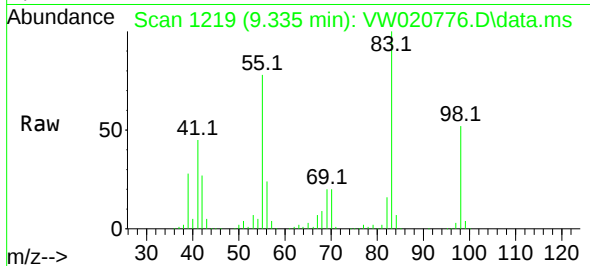




#35
Methylcyclohexane
Concen: 25.103 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

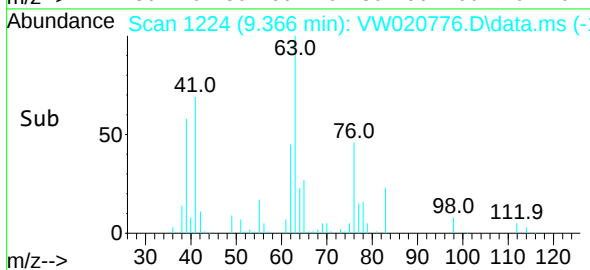
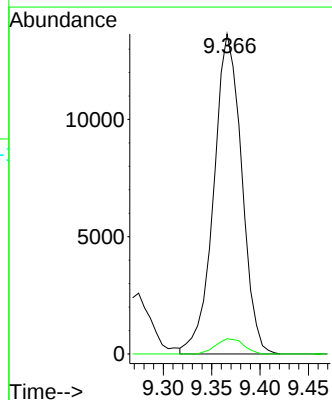
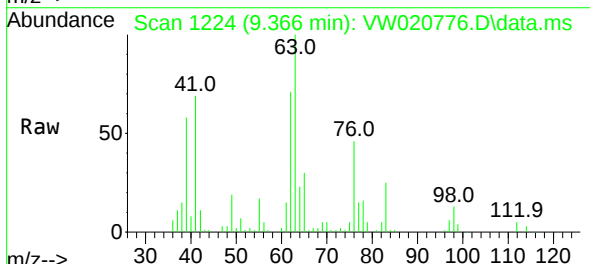
Instrument :
MSVOA_W
ClientSampleId :
GB7L3

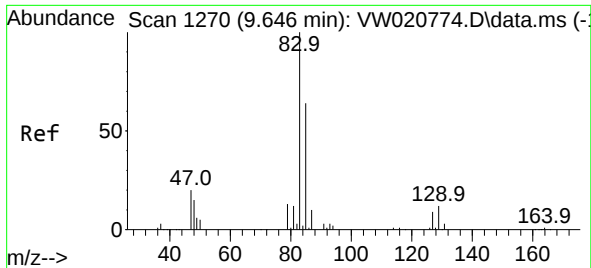
Tgt Ion: 83 Resp: 107138
Ion Ratio Lower Upper
83 100
55 77.8 70.8 106.2
98 50.8 37.7 56.5



#37
1,2-Dichloropropane
Concen: 12.602 ug/L
RT: 9.366 min Scan# 1224
Delta R.T. -0.006 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

Tgt Ion: 63 Resp: 27413
Ion Ratio Lower Upper
63 100
112 4.7 3.2 4.8

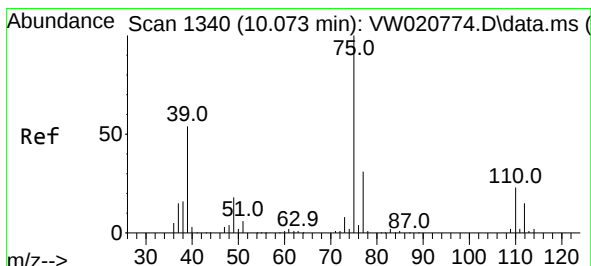
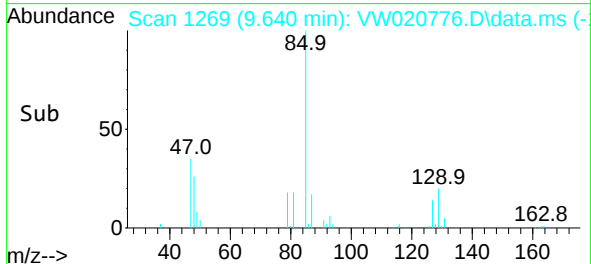
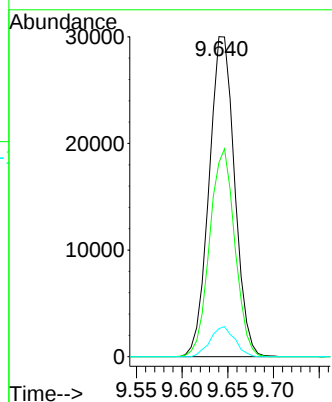
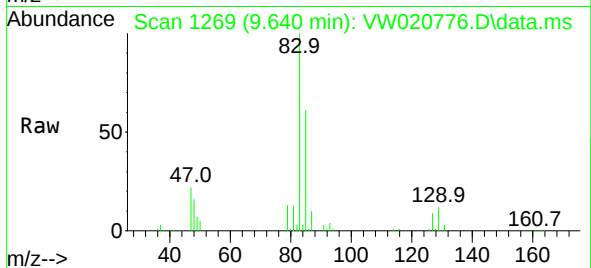




#38
Bromodichloromethane
Concen: 19.176 ug/L
RT: 9.640 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

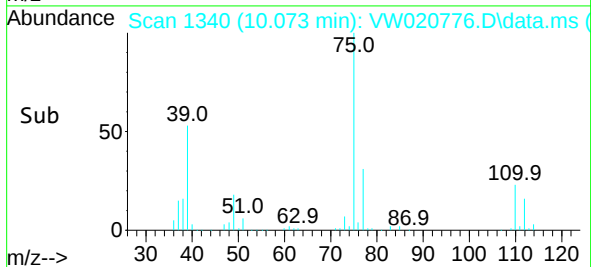
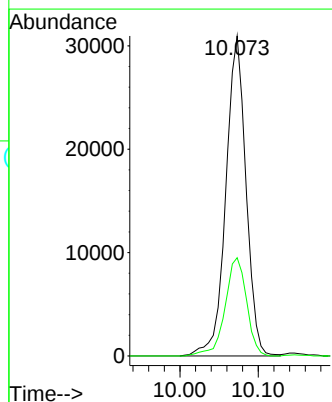
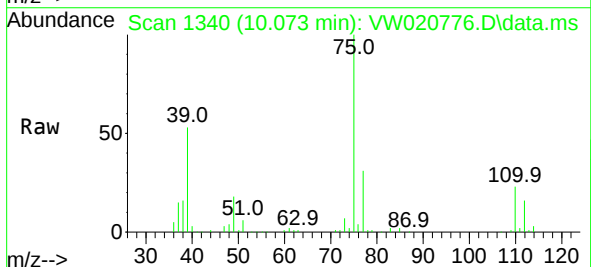
Instrument :
MSVOA_W
ClientSampleId :
GB7L3

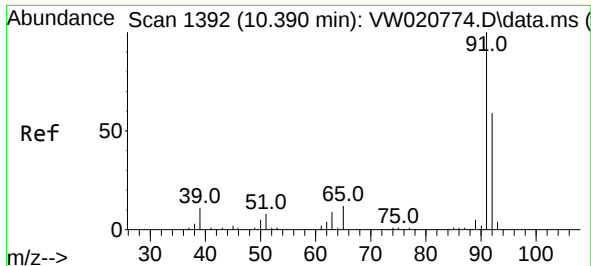
Tgt Ion: 83 Resp: 58393
Ion Ratio Lower Upper
83 100
85 60.7 44.1 81.9
127 8.8 6.1 9.1



#39
cis-1,3-Dichloropropene
Concen: 15.626 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

Tgt Ion: 75 Resp: 55322
Ion Ratio Lower Upper
75 100
77 30.7 21.8 40.6

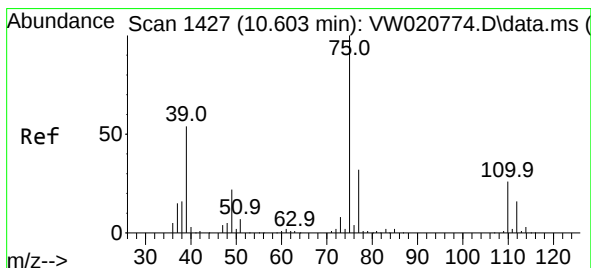
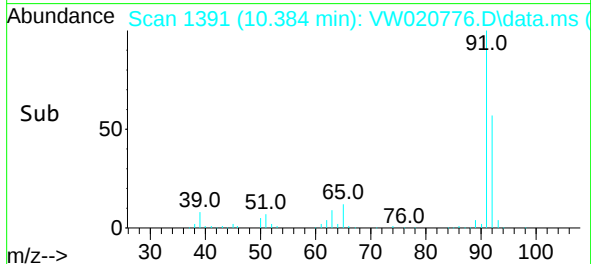
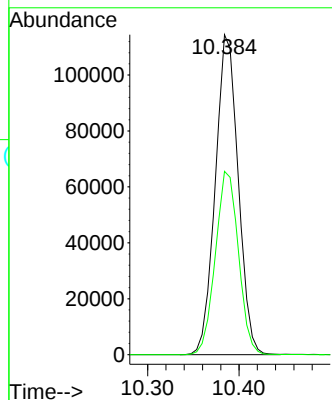
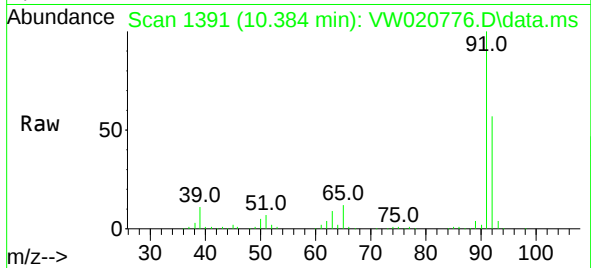




#42
Toluene
Concen: 20.167 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

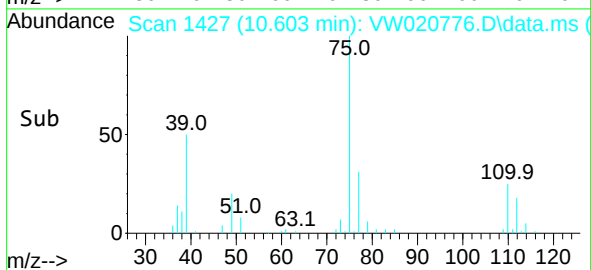
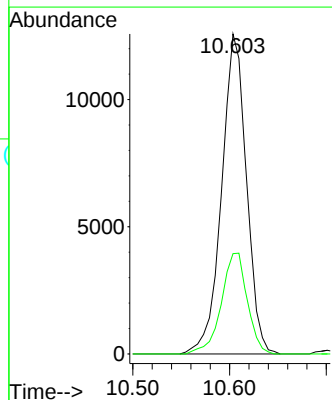
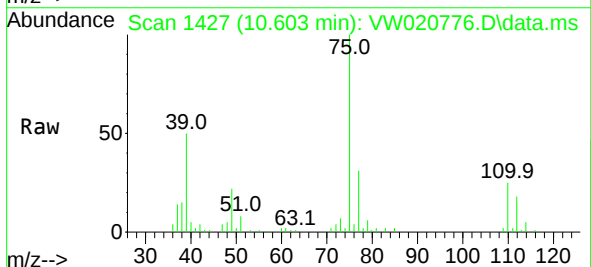
Instrument :
MSVOA_W
ClientSampleId :
GB7L3

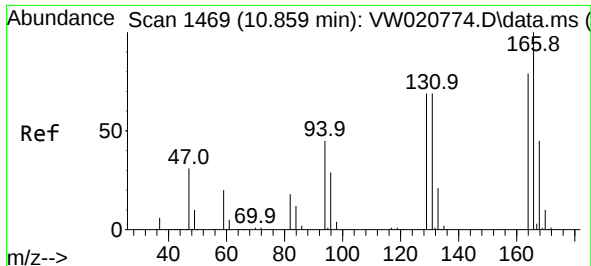
Tgt Ion: 91 Resp: 199250
Ion Ratio Lower Upper
91 100
92 57.3 41.7 77.5



#44
trans-1,3-Dichloropropene
Concen: 6.984 ug/L
RT: 10.603 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

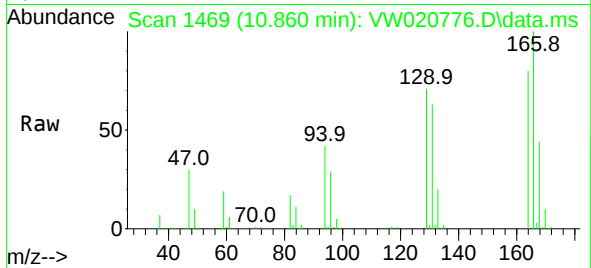
Tgt Ion: 75 Resp: 22366
Ion Ratio Lower Upper
75 100
77 31.3 22.2 41.2



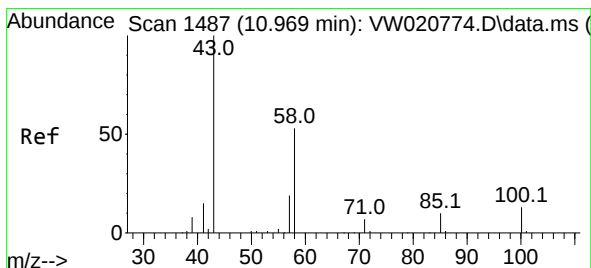
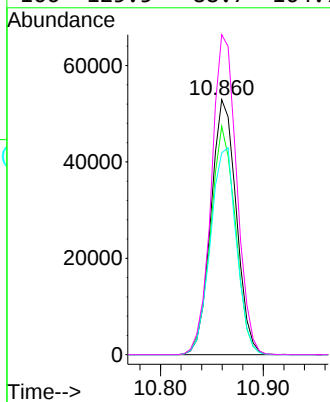
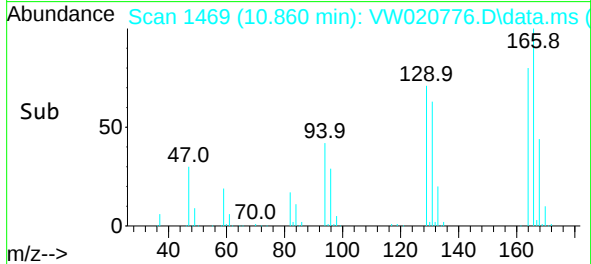


#46
Tetrachloroethene
Concen: 41.222 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

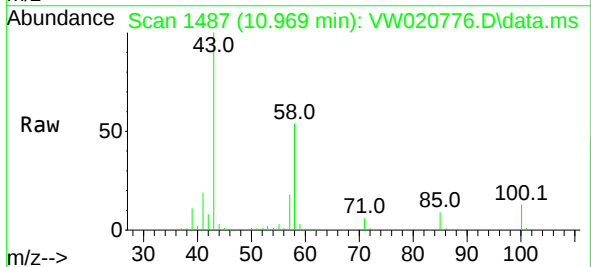
Instrument :
MSVOA_W
ClientSampleId :
GB7L3



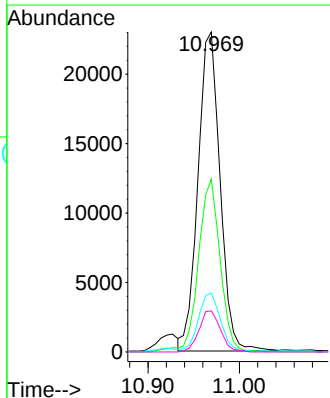
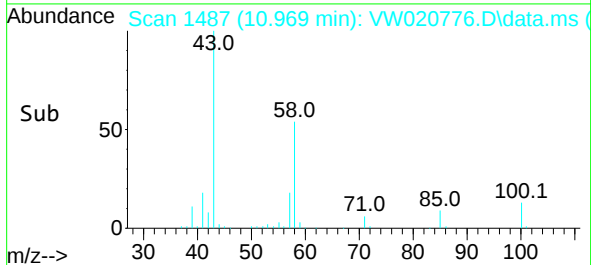
Tgt Ion:164 Resp: 90427
Ion Ratio Lower Upper
164 100
129 89.5 65.5 121.7
131 79.1 59.7 110.9
166 125.5 88.7 164.7

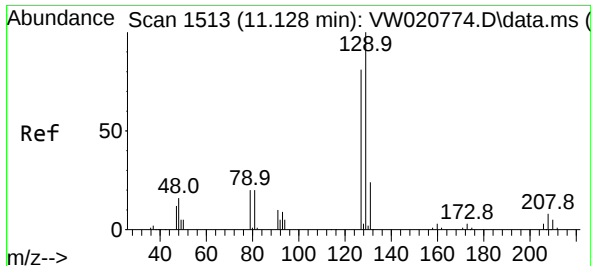


#48
2-Hexanone
Concen: 37.187 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25



Tgt Ion: 43 Resp: 38605
Ion Ratio Lower Upper
43 100
58 52.0 40.2 60.2
57 18.6 14.3 21.5
100 12.5 8.0 12.0#





#49

Dibromochloromethane

Concen: 18.177 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VW020776.D

Acq: 05 Nov 2021 13:25

Instrument :

MSVOA_W

ClientSampleId :

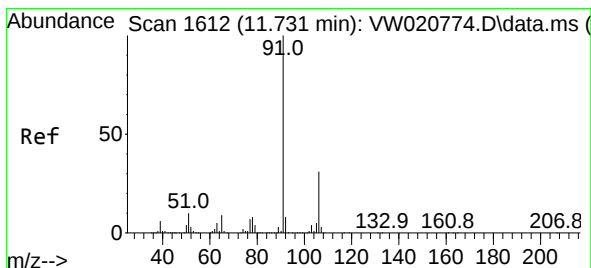
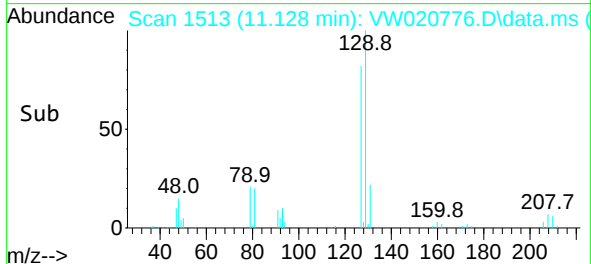
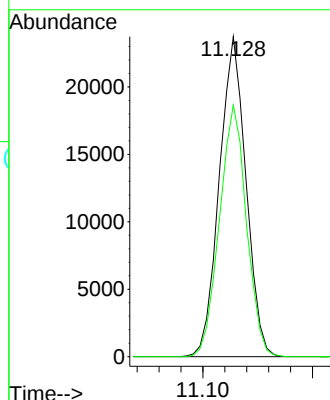
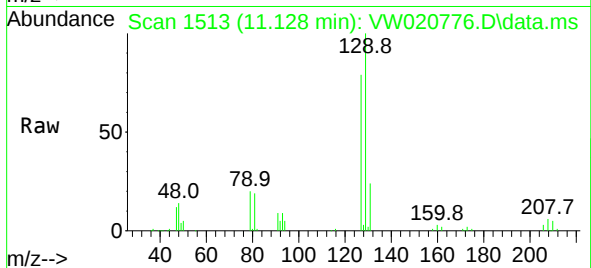
GB7L3

Tgt Ion:129 Resp: 40073

Ion Ratio Lower Upper

129 100

127 78.6 55.7 103.5



#52

Ethylbenzene

Concen: 15.401 ug/L

RT: 11.731 min Scan# 1612

Delta R.T. 0.000 min

Lab File: VW020776.D

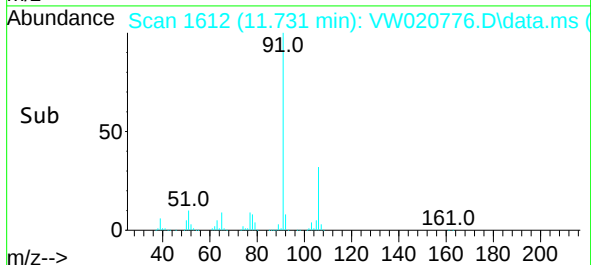
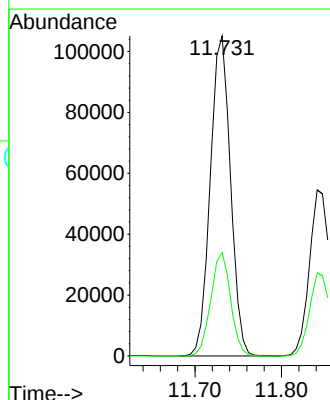
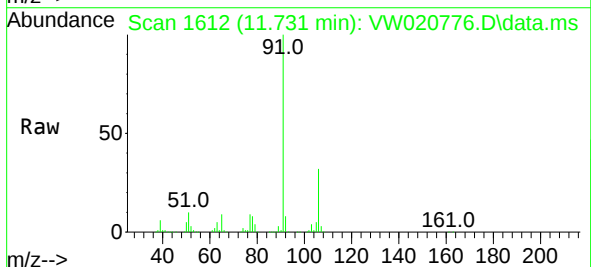
Acq: 05 Nov 2021 13:25

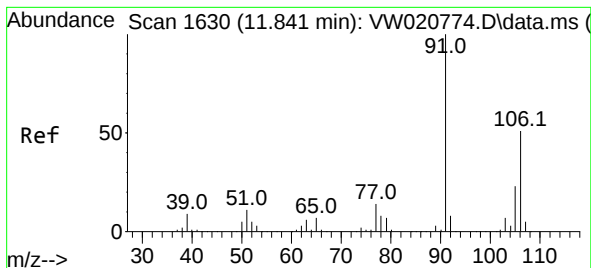
Tgt Ion: 91 Resp: 170484

Ion Ratio Lower Upper

91 100

106 32.3 21.5 39.9





#53

m,p-Xylene

Concen: 9.986 ug/L

RT: 11.841 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW020776.D

Acq: 05 Nov 2021 13:25

Instrument :

MSVOA_W

ClientSampleId :

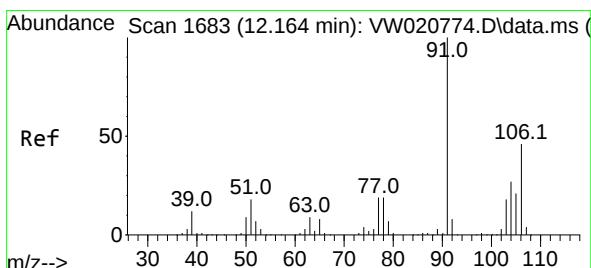
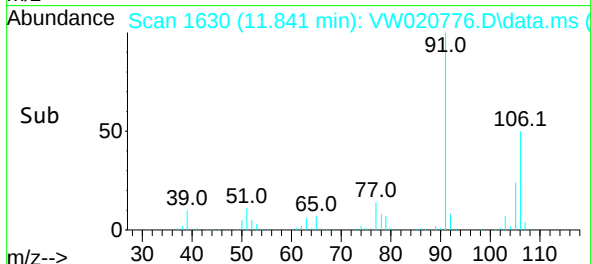
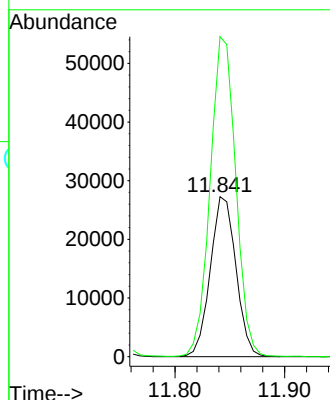
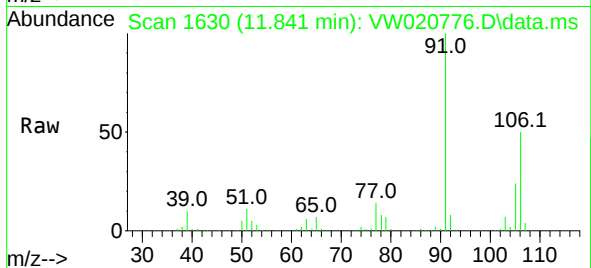
GB7L3

Tgt Ion:106 Resp: 44290

Ion Ratio Lower Upper

106 100

91 200.1 149.9 278.3



#54

o-Xylene

Concen: 12.130 ug/L

RT: 12.164 min Scan# 1683

Delta R.T. 0.000 min

Lab File: VW020776.D

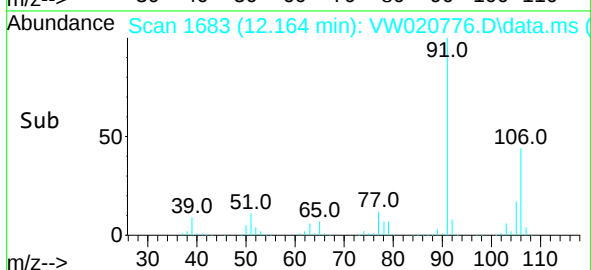
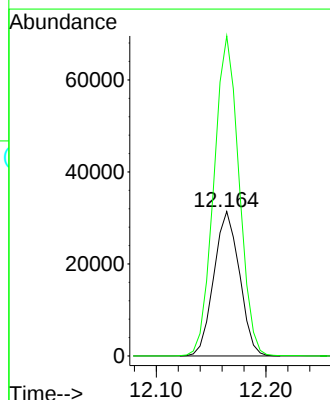
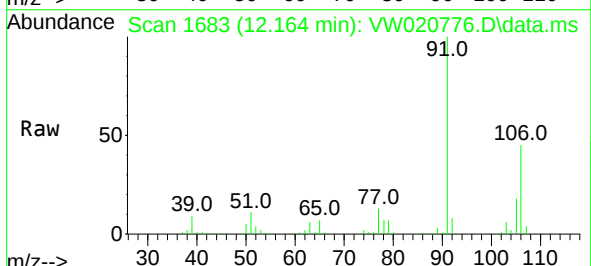
Acq: 05 Nov 2021 13:25

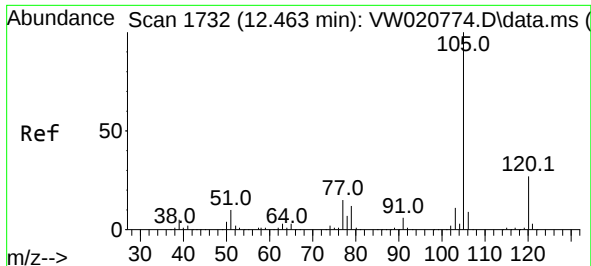
Tgt Ion:106 Resp: 50964

Ion Ratio Lower Upper

106 100

91 221.4 153.6 285.3

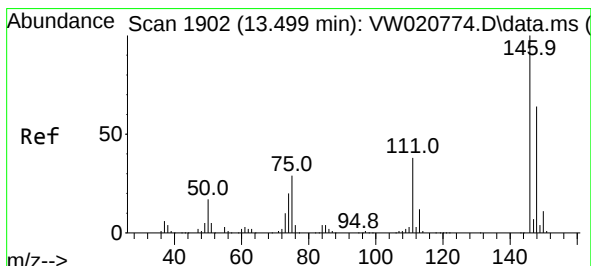
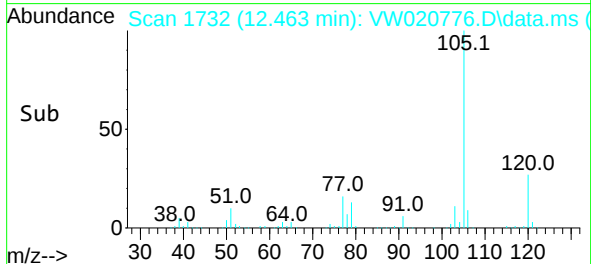
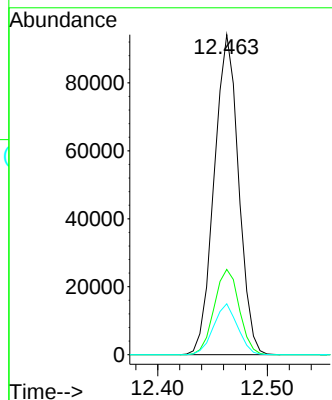
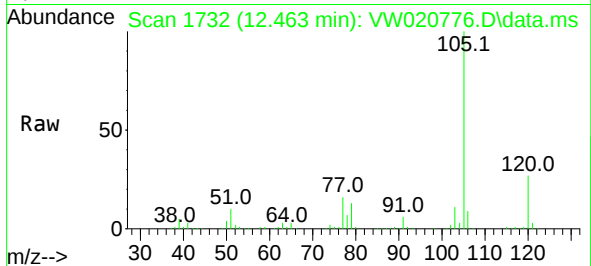




#60
Isopropylbenzene
Concen: 12.295 ug/L
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

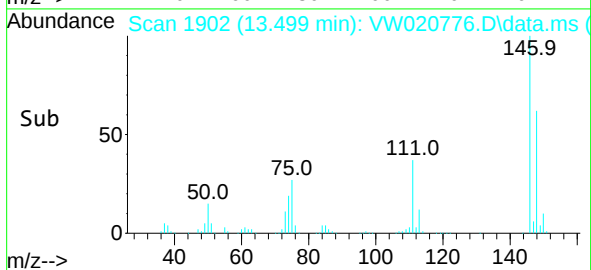
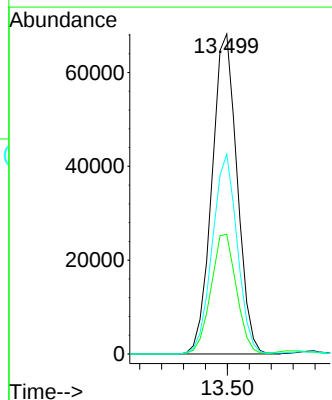
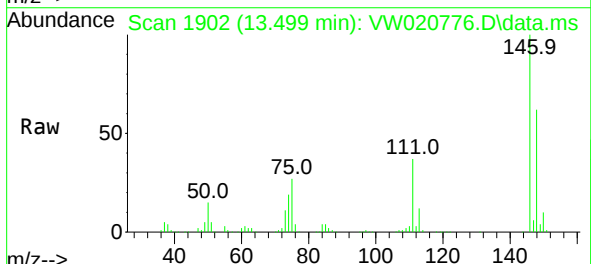
Instrument :
MSVOA_W
ClientSampleId :
GB7L3

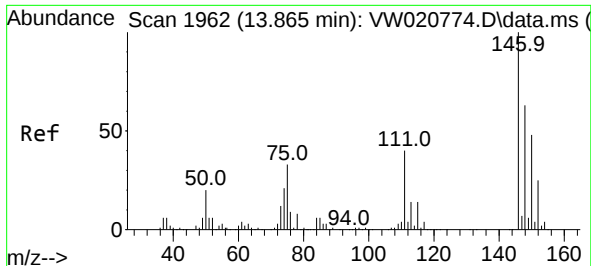
Tgt Ion:105 Resp: 145748
Ion Ratio Lower Upper
105 100
120 27.3 20.1 30.1
77 15.6 13.8 20.8



#64
1,3-Dichlorobenzene
Concen: 19.843 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW020776.D
Acq: 05 Nov 2021 13:25

Tgt Ion:146 Resp: 109064
Ion Ratio Lower Upper
146 100
111 37.4 29.8 55.3
148 62.4 46.2 85.8





#67

1,2-Dichlorobenzene

Concen: 9.665 ug/L

RT: 13.871 min Scan# 1962

Delta R.T. 0.007 min

Lab File: VW020776.D

Acq: 05 Nov 2021 13:25

Instrument :

MSVOA_W

ClientSampleId :

GB7L3

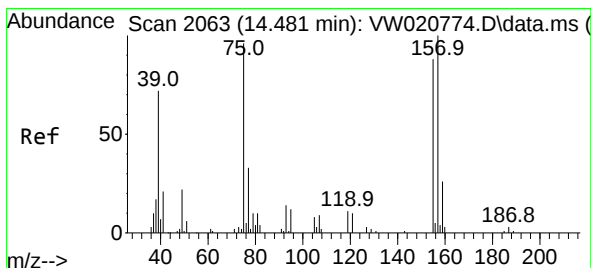
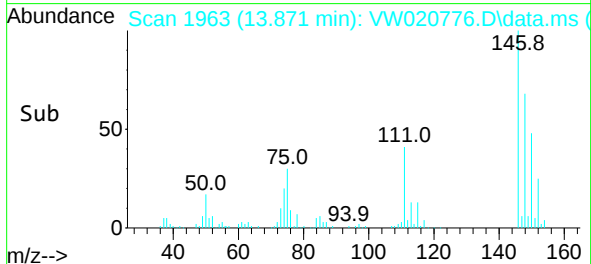
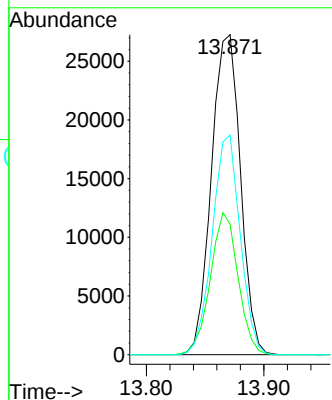
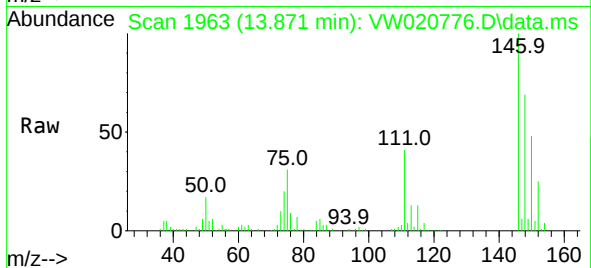
Tgt Ion:146 Resp: 46925

Ion Ratio Lower Upper

146 100

111 40.8 33.1 49.7

148 68.6 47.4 71.2



#68

1,2-Dibromo-3-chloropropane

Concen: 15.997 ug/L

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW020776.D

Acq: 05 Nov 2021 13:25

Tgt Ion: 75 Resp: 5558

Ion Ratio Lower Upper

75 100

155 83.1 54.2 81.2#

157 111.7 69.4 104.2#

