

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030322\
 Data File : VW022157.D
 Acq On : 03 Mar 2022 11:51
 Operator : SY/VA
 Sample : N1733-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBRQ4

Quant Time: Mar 04 00:32:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 04 00:31:34 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	181433	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.628	117	165316	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	88240	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	45683	19.304	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.200%
7) Chloroethane-d5	2.879	69	34353	18.450	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.800%
11) 1,1-Dichloroethene-d2	4.013	63	68608	18.932	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.720%
21) 2-Butanone-d5	7.074	46	17174	43.163	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.320%
24) Chloroform-d	7.641	84	92301	22.801	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.200%
26) 1,2-Dichloroethane-d4	8.305	65	43943	20.883	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.520%
32) Benzene-d6	8.275	84	167662	21.792	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.160%
36) 1,2-Dichloropropane-d6	9.268	67	46837	21.921	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.680%
41) Toluene-d8	10.323	98	156268	20.430	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	81.720%
43) trans-1,3-Dichloroprop...	10.579	79	18808	19.853	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.400%
47) 2-Hexanone-d5	10.921	63	14724	41.899	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.800%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	40987	21.858	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.440%
66) 1,2-Dichlorobenzene-d4	13.853	152	63637	22.453	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	6027	11.886	ug/L	95
3) Chloromethane	2.215	50	28978	16.678	ug/L	98
5) Vinyl chloride	2.361	62	78626	30.117	ug/L	97
6) Bromomethane	2.770	94	25916	14.214	ug/L	91
8) Chloroethane	2.916	64	14110	9.621	ug/L	98
9) Trichlorofluoromethane	3.257	101	19565	11.038	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	49537	22.907	ug/L	97
12) 1,1-Dichloroethene	4.044	96	33878	18.076	ug/L	87
15) Methyl Acetate	4.672	43	15323	20.945	ug/L	98
16) Methylene chloride	4.909	84	46304	20.792	ug/L	94
18) Methyl tert-butyl Ether	5.428	73	114416	40.853	ug/L	99
22) 2-Butanone	7.171	43	33914	72.649	ug/L	94
25) Chloroform	7.671	83	80290	20.648	ug/L	99
29) Cyclohexane	7.952	56	66648	24.225	ug/L	99
33) Benzene	8.323	78	362200	45.317	ug/L	100
34) Trichloroethene	9.092	95	131170	57.317	ug/L	97
42) Toluene	10.384	91	513641	56.780	ug/L	97
45) 1,1,2-Trichloroethane	10.780	97	31238	18.893	ug/L	96
46) Tetrachloroethene	10.860	164	23420	11.682	ug/L	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030322\
 Data File : VW022157.D
 Acq On : 03 Mar 2022 11:51
 Operator : SY/VA
 Sample : N1733-01
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DBRQ4

Quant Time: Mar 04 00:32:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Mar 04 00:31:34 2022
 Response via : Initial Calibration

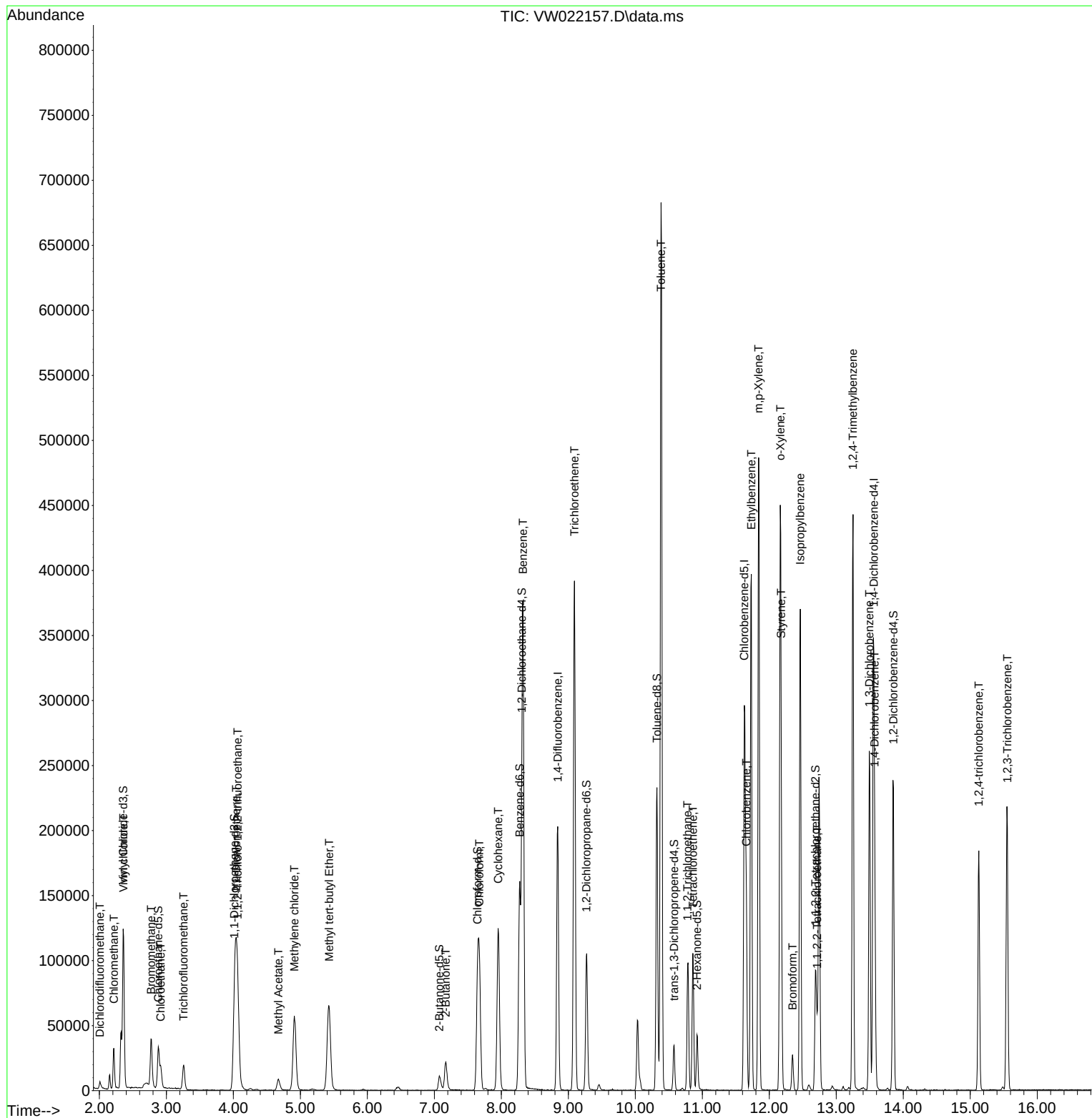
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	11.658	112	86139	13.682	ug/L	96
52) Ethylbenzene	11.731	91	286721	28.639	ug/L	99
53) m,p-Xylene	11.841	106	143605	34.859	ug/L	96
54) o-Xylene	12.164	106	110006	28.380	ug/L	92
55) Styrene	12.176	104	77034	11.855	ug/L	87
57) 1,1,2,2-Tetrachloroethane	12.713	83	20412	10.640	ug/L	97
59) Bromoform	12.347	173	11890	10.189	ug/L	97
60) Isopropylbenzene	12.463	105	238664	22.531	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	240940	27.990	ug/L	99
64) 1,3-Dichlorobenzene	13.493	146	113295	21.561	ug/L	98
65) 1,4-Dichlorobenzene	13.572	146	55186	10.480	ug/L	96
70) 1,2,4-trichlorobenzene	15.127	180	58824	20.614	ug/L	97
72) 1,2,3-Trichlorobenzene	15.554	180	74980	30.377	ug/L	96

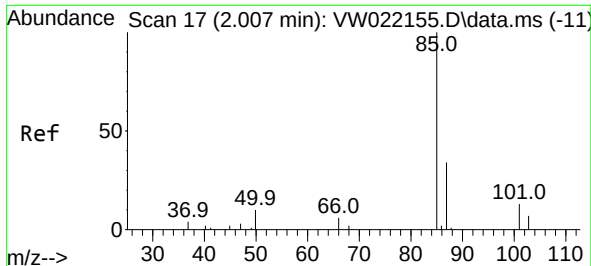
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW030322\
Data File : VW022157.D
Acq On : 03 Mar 2022 11:51
Operator : SY/VA
Sample : N1733-01
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
DBRQ4

Quant Time: Mar 04 00:32:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022322SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Mar 04 00:31:34 2022
Response via : Initial Calibration

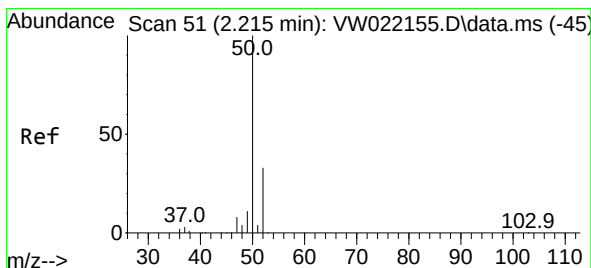
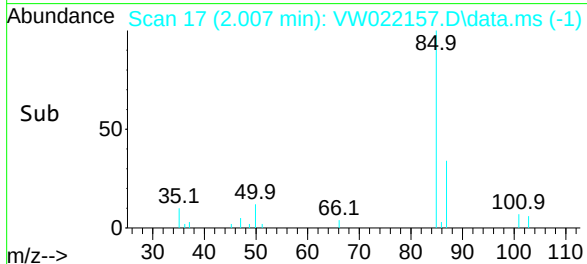
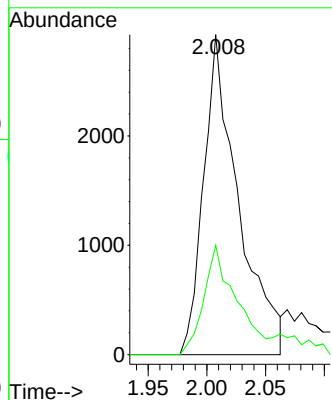
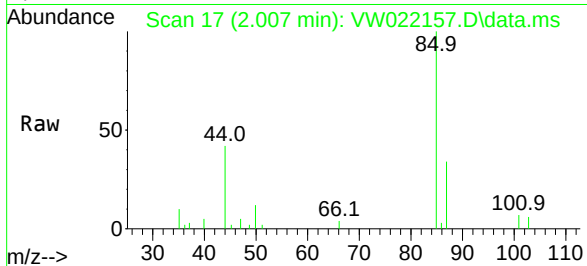




#2
 Dichlorodifluoromethane
 Concen: 11.886 ug/L
 RT: 2.007 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VW022157.D
 Acq: 03 Mar 2022 11:51

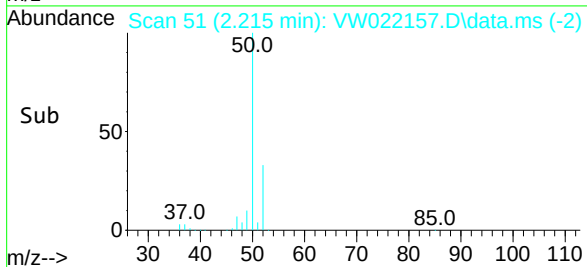
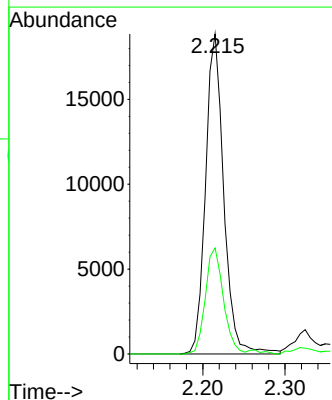
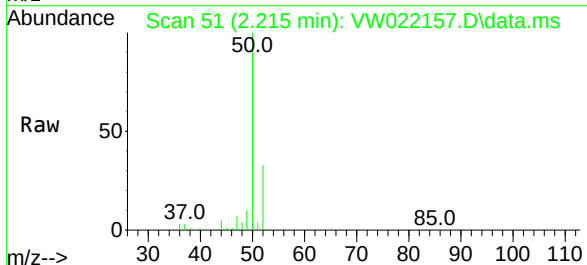
Instrument :
 MSVOA_W
 ClientSampleId :
 DBRQ4

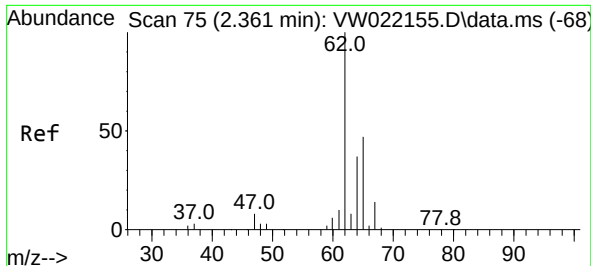
Tgt Ion: 85 Resp: 6027
 Ion Ratio Lower Upper
 85 100
 87 31.8 27.6 41.4



#3
 Chloromethane
 Concen: 16.678 ug/L
 RT: 2.215 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VW022157.D
 Acq: 03 Mar 2022 11:51

Tgt Ion: 50 Resp: 28978
 Ion Ratio Lower Upper
 50 100
 52 33.1 23.9 44.5





#5
 Vinyl chloride
 Concen: 30.117 ug/L
 RT: 2.361 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VW022157.D
 Acq: 03 Mar 2022 11:51

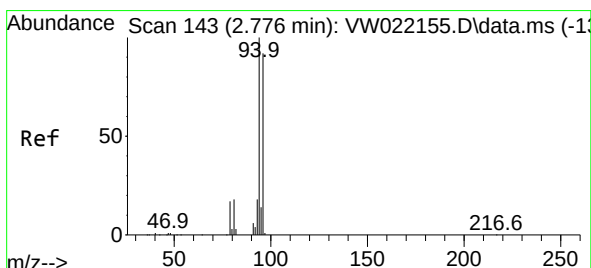
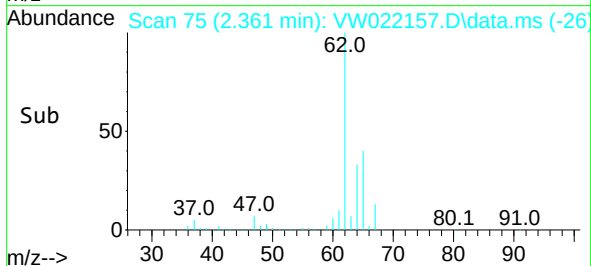
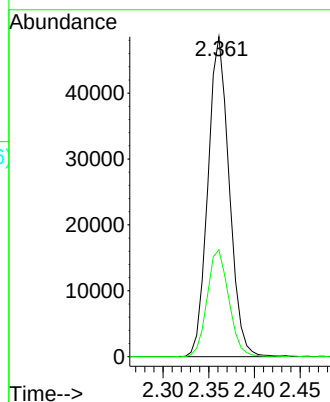
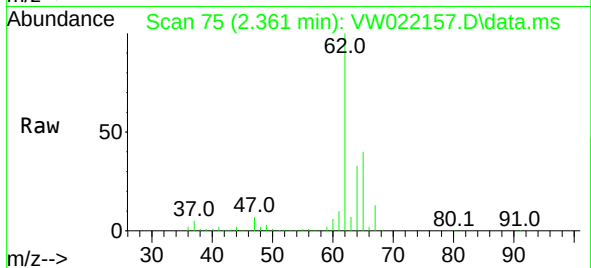
Instrument :

MSVOA_W

ClientSampleId :

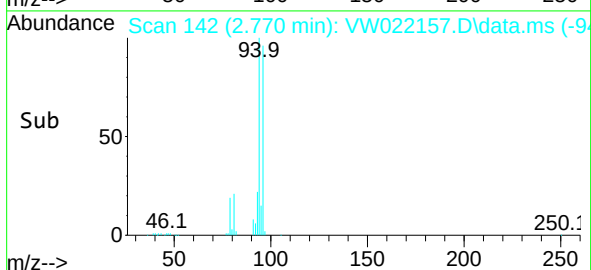
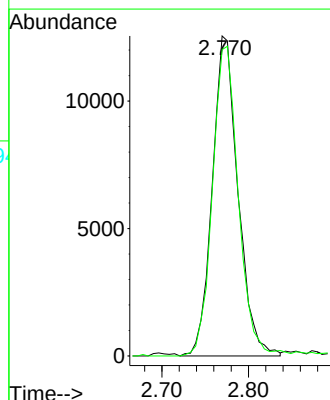
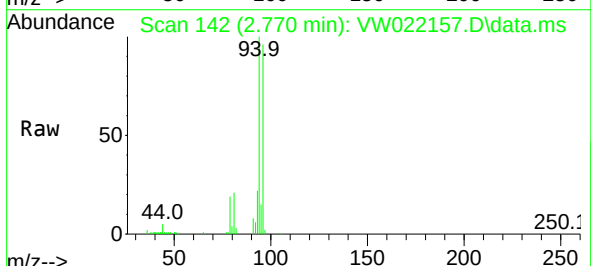
DBRQ4

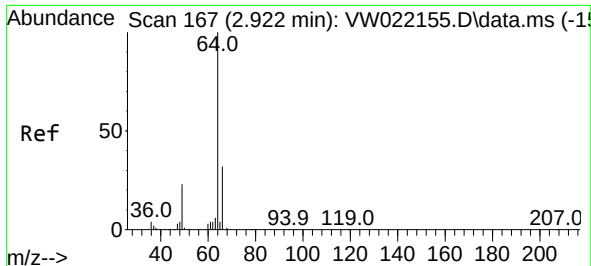
Tgt Ion: 62 Resp: 78626
 Ion Ratio Lower Upper
 62 100
 64 33.4 24.7 45.9



#6
 Bromomethane
 Concen: 14.214 ug/L
 RT: 2.770 min Scan# 142
 Delta R.T. -0.006 min
 Lab File: VW022157.D
 Acq: 03 Mar 2022 11:51

Tgt Ion: 94 Resp: 25916
 Ion Ratio Lower Upper
 94 100
 96 95.8 61.2 113.8

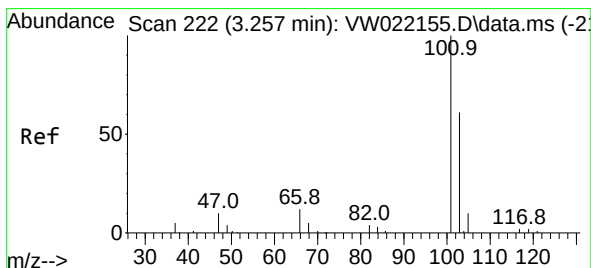
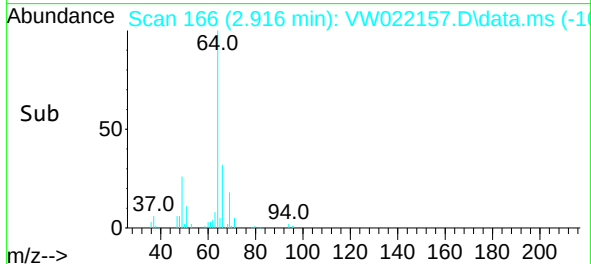
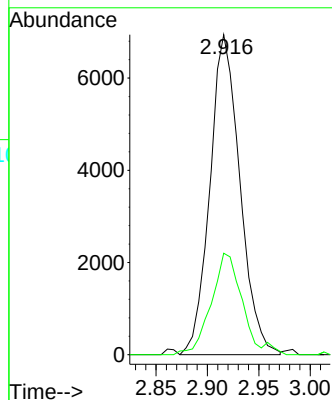
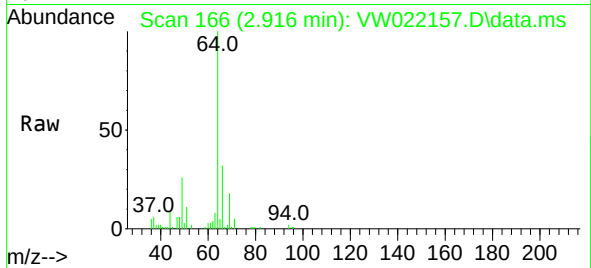




#8
Chloroethane
Concen: 9.621 ug/L
RT: 2.916 min Scan# 166
Delta R.T. -0.006 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

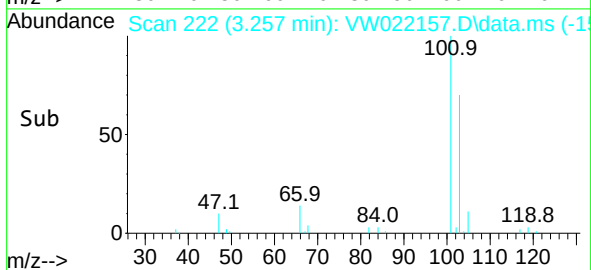
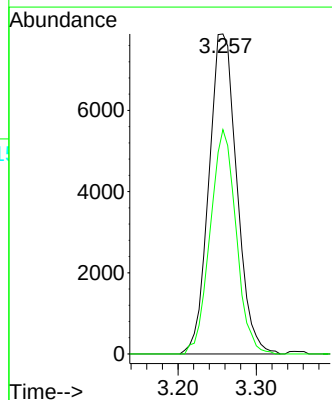
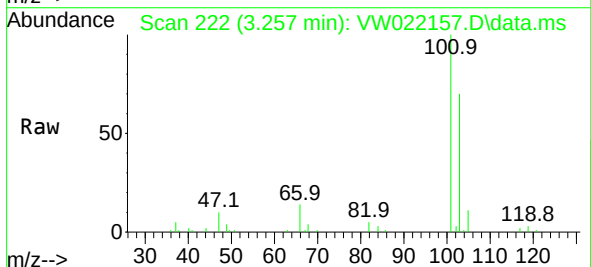
Instrument :
MSVOA_W
ClientSampleId :
DBRQ4

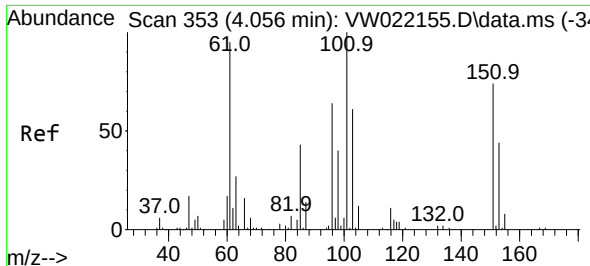
Tgt Ion: 64 Resp: 14110
Ion Ratio Lower Upper
64 100
66 31.7 23.2 43.0



#9
Trichlorofluoromethane
Concen: 11.038 ug/L
RT: 3.257 min Scan# 222
Delta R.T. 0.000 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

Tgt Ion: 101 Resp: 19565
Ion Ratio Lower Upper
101 100
103 65.1 53.2 79.8

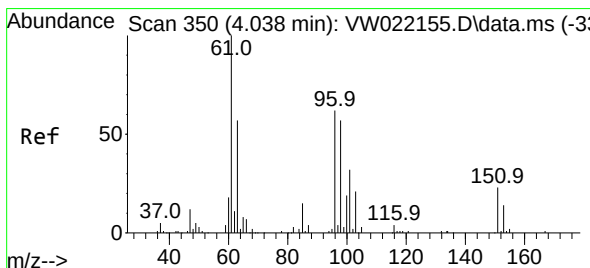
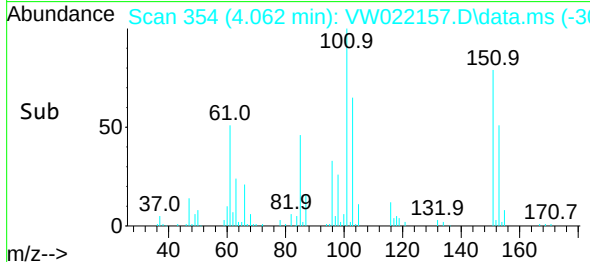
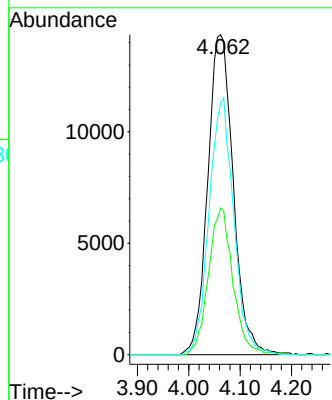
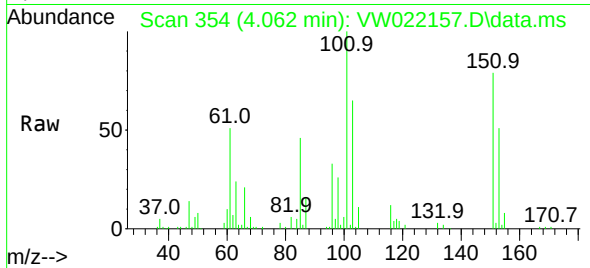




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 22.907 ug/L
 RT: 4.062 min Scan# 310
 Delta R.T. 0.006 min
 Lab File: VW022157.D
 Acq: 03 Mar 2022 11:51

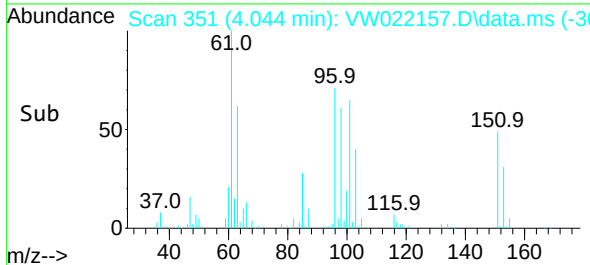
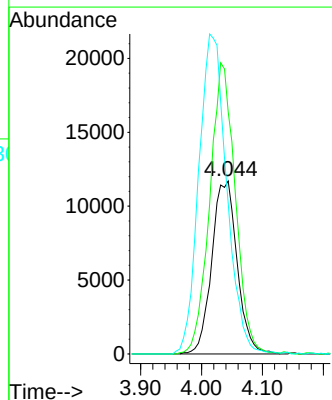
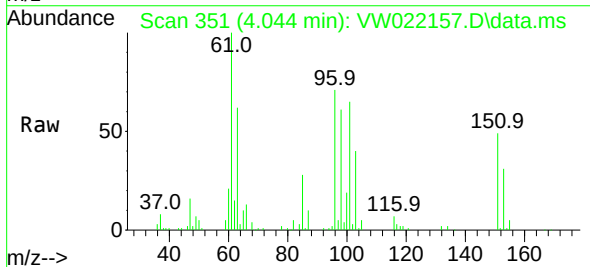
Instrument :
 MSVOA_W
 ClientSampleId :
 DBRQ4

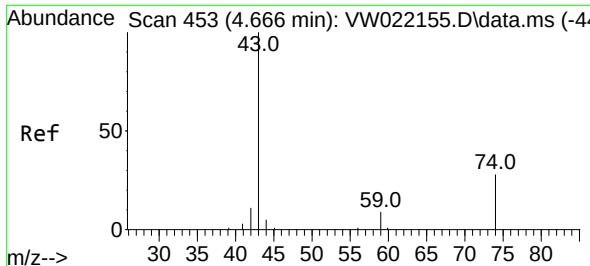
Tgt Ion:101 Resp: 49537
 Ion Ratio Lower Upper
 101 100
 85 43.6 34.4 51.6
 151 77.8 59.0 88.4



#12
 1,1-Dichloroethene
 Concen: 18.076 ug/L
 RT: 4.044 min Scan# 351
 Delta R.T. 0.006 min
 Lab File: VW022157.D
 Acq: 03 Mar 2022 11:51

Tgt Ion: 96 Resp: 33878
 Ion Ratio Lower Upper
 96 100
 61 140.0 108.4 201.2
 63 87.3 72.0 133.6

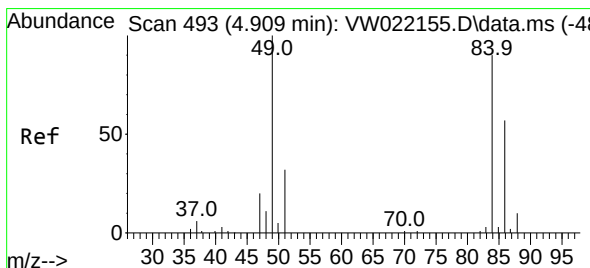
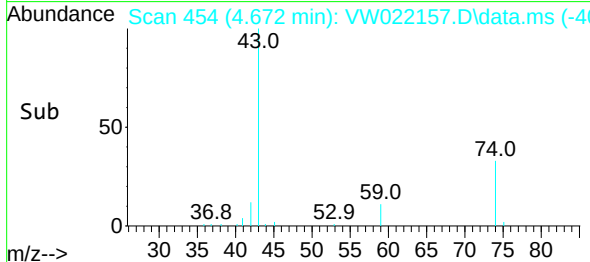
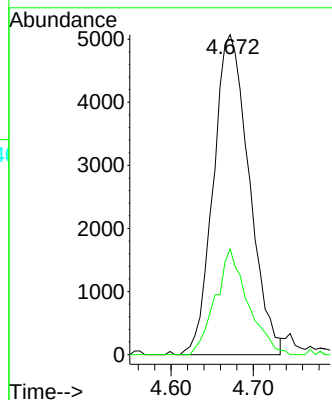
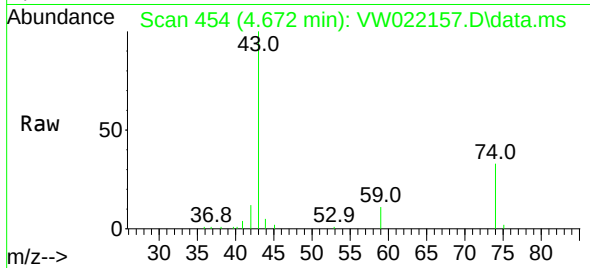




#15
Methyl Acetate
Concen: 20.945 ug/L
RT: 4.672 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

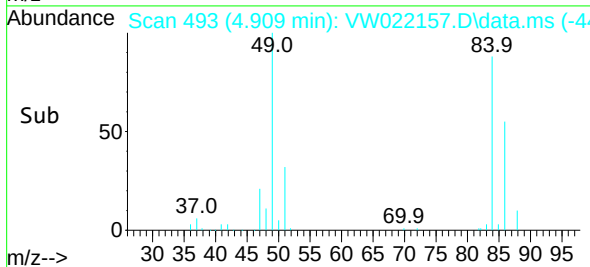
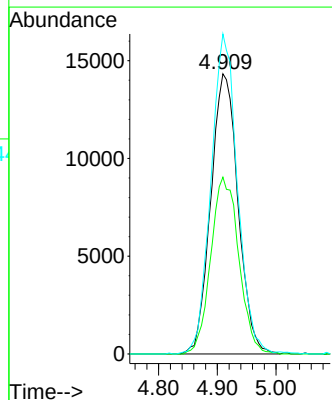
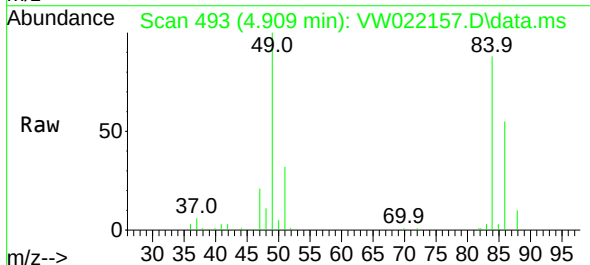
Instrument :
MSVOA_W
ClientSampleId :
DBRQ4

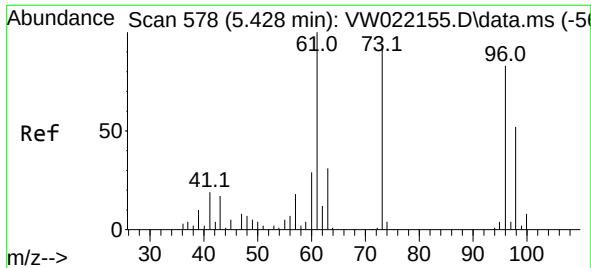
Tgt Ion: 43 Resp: 15323
Ion Ratio Lower Upper
43 100
74 29.9 23.0 34.6



#16
Methylene chloride
Concen: 20.792 ug/L
RT: 4.909 min Scan# 493
Delta R.T. 0.000 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

Tgt Ion: 84 Resp: 46304
Ion Ratio Lower Upper
84 100
86 63.1 45.8 85.0
49 114.2 73.8 137.0

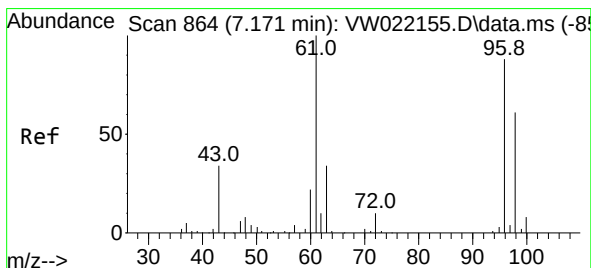
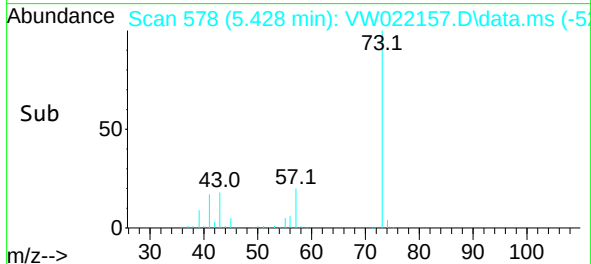
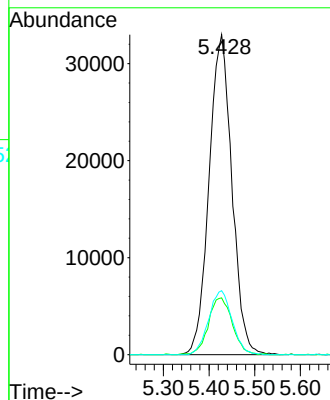
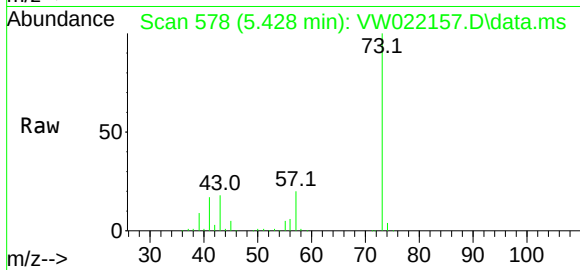




#18
Methyl tert-butyl Ether
Concen: 40.853 ug/L
RT: 5.428 min Scan# 518
Delta R.T. 0.000 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

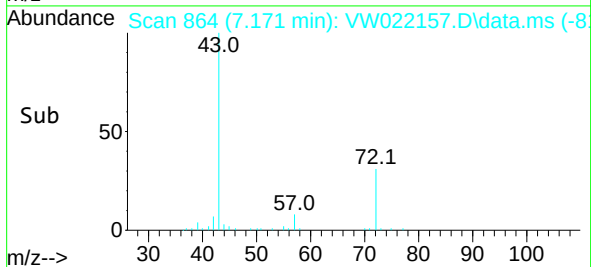
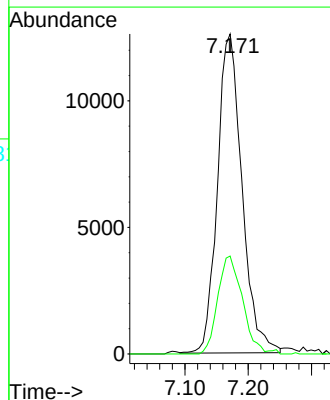
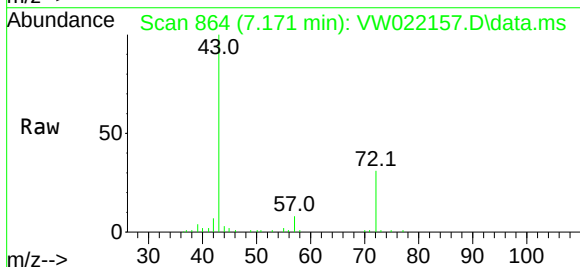
Instrument :
MSVOA_W
ClientSampleId :
DBRQ4

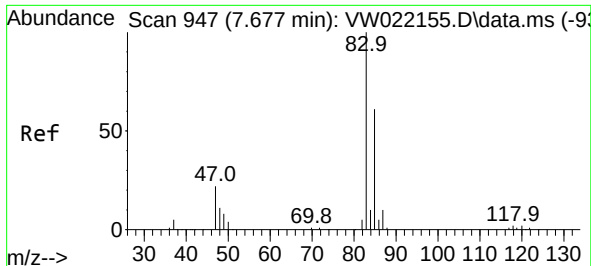
Tgt Ion: 73 Resp: 114416
Ion Ratio Lower Upper
73 100
43 18.6 15.4 23.2
57 20.5 16.5 24.7



#22
2-Butanone
Concen: 72.649 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

Tgt Ion: 43 Resp: 33914
Ion Ratio Lower Upper
43 100
72 30.6 17.0 51.0

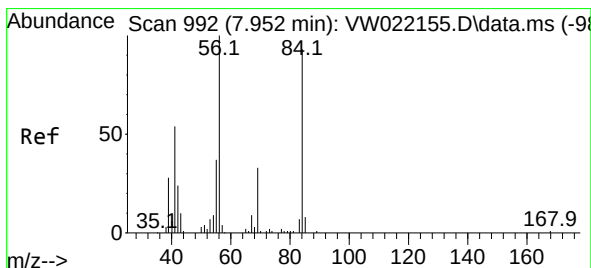
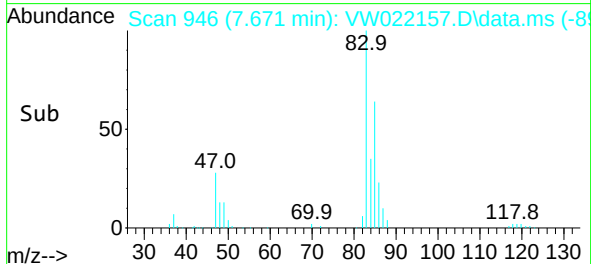
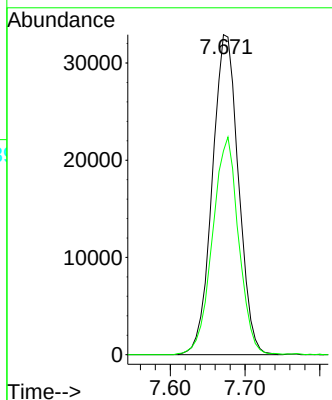
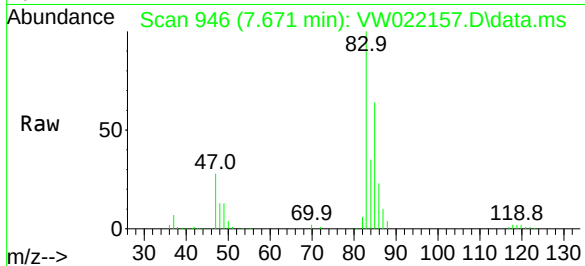




#25
Chloroform
Concen: 20.648 ug/L
RT: 7.671 min Scan# 947
Delta R.T. -0.006 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

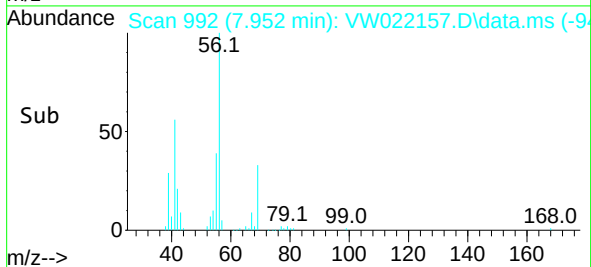
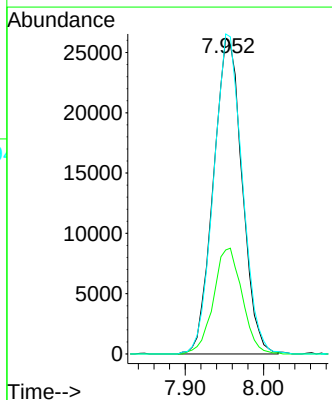
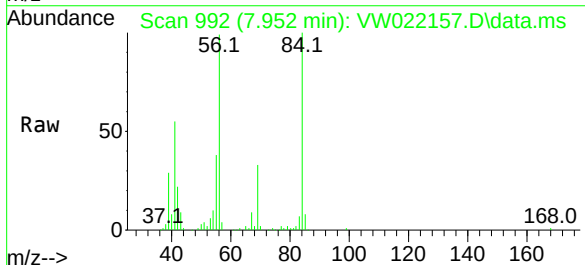
Instrument :
MSVOA_W
ClientSampleId :
DBRQ4

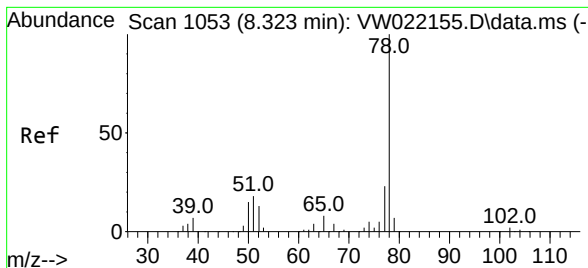
Tgt Ion: 83 Resp: 80290
Ion Ratio Lower Upper
83 100
85 63.7 45.1 83.9



#29
Cyclohexane
Concen: 24.225 ug/L
RT: 7.952 min Scan# 992
Delta R.T. 0.000 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

Tgt Ion: 56 Resp: 66648
Ion Ratio Lower Upper
56 100
69 33.4 26.3 39.5
84 101.1 81.4 122.2





#33

Benzene

Concen: 45.317 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VW022157.D

Acq: 03 Mar 2022 11:51

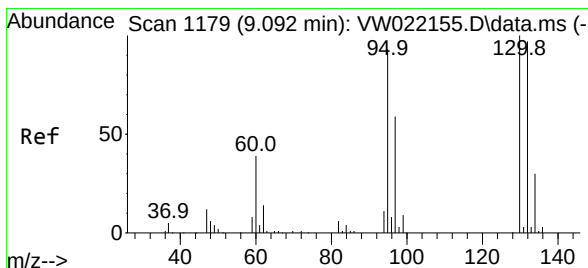
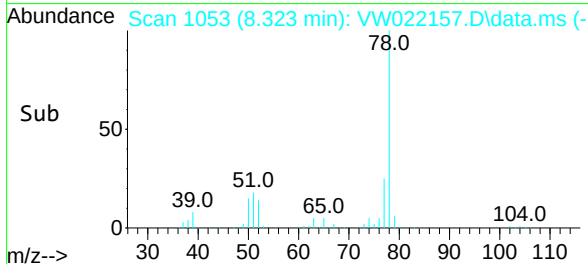
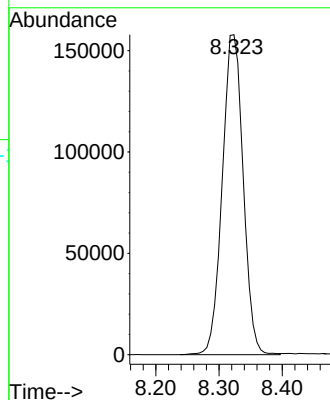
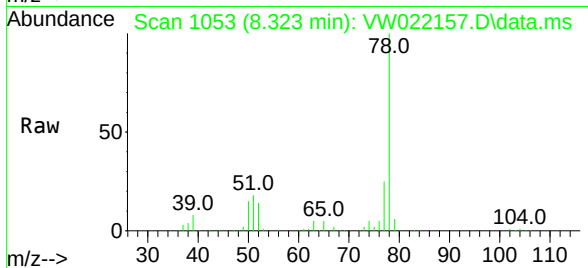
Instrument :

MSVOA_W

ClientSampleId :

DBRQ4

Tgt Ion: 78 Resp: 362200



#34

Trichloroethene

Concen: 57.317 ug/L

RT: 9.092 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VW022157.D

Acq: 03 Mar 2022 11:51

Tgt Ion: 95 Resp: 131170

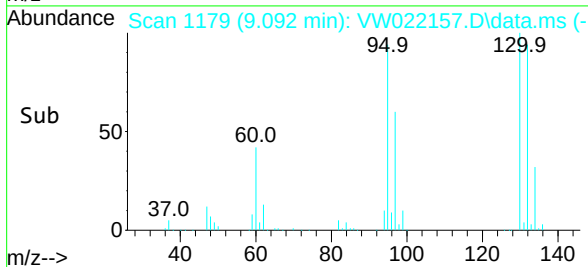
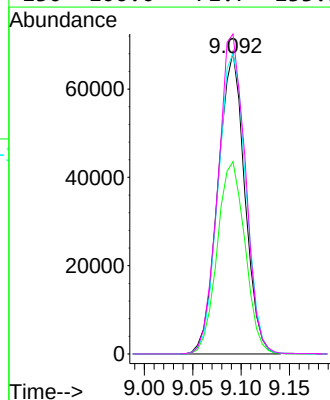
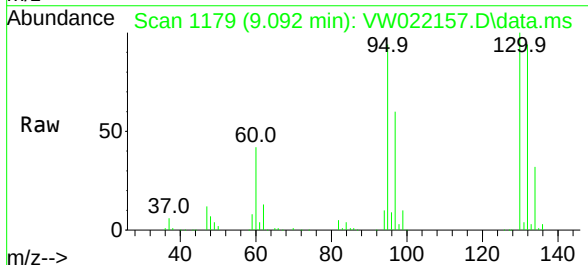
Ion Ratio Lower Upper

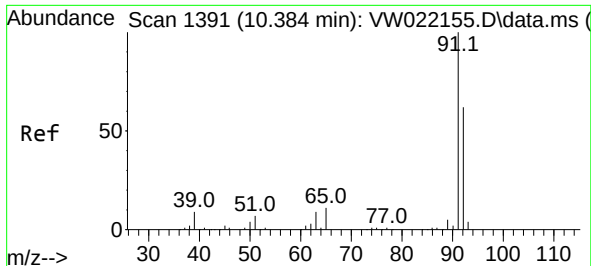
95 100

97 63.7 44.4 82.4

132 99.4 71.7 133.1

130 106.0 71.7 133.1

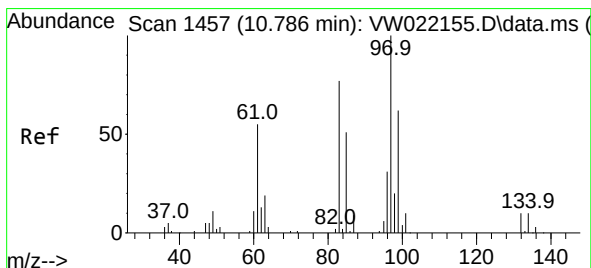
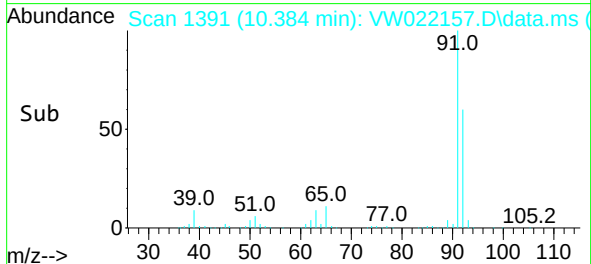
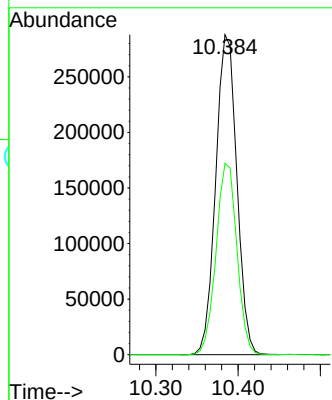
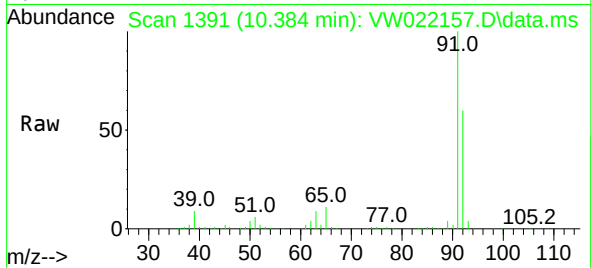




#42
Toluene
Concen: 56.780 ug/L
RT: 10.384 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

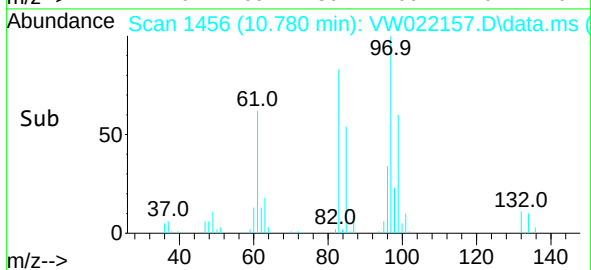
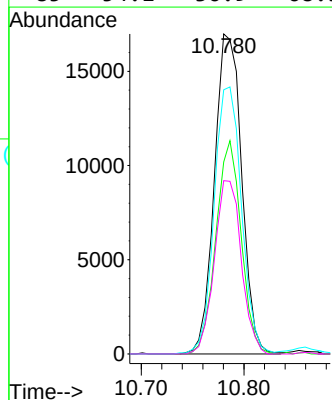
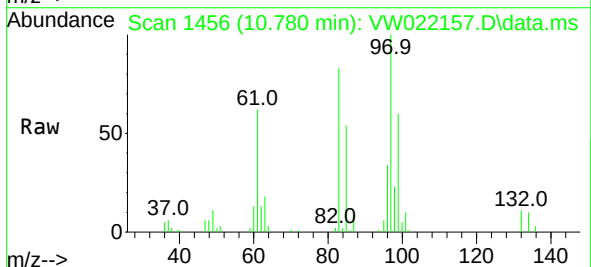
Instrument :
MSVOA_W
ClientSampleId :
DBRQ4

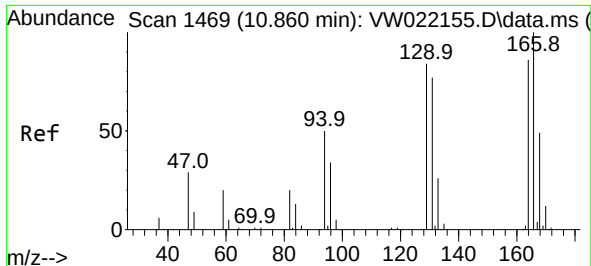
Tgt Ion: 91 Resp: 513641
Ion Ratio Lower Upper
91 100
92 59.8 40.4 75.0



#45
1,1,2-Trichloroethane
Concen: 18.893 ug/L
RT: 10.780 min Scan# 1456
Delta R.T. -0.006 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

Tgt Ion: 97 Resp: 31238
Ion Ratio Lower Upper
97 100
99 60.0 43.5 80.7
83 82.6 53.5 99.3
85 54.1 36.9 68.5

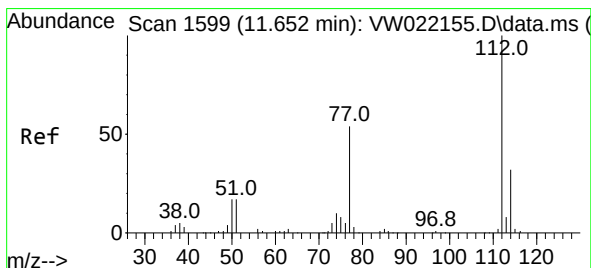
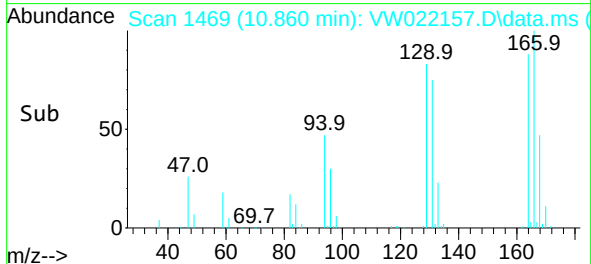
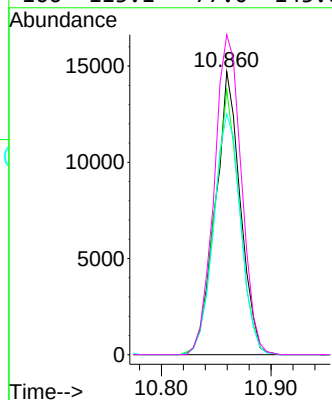
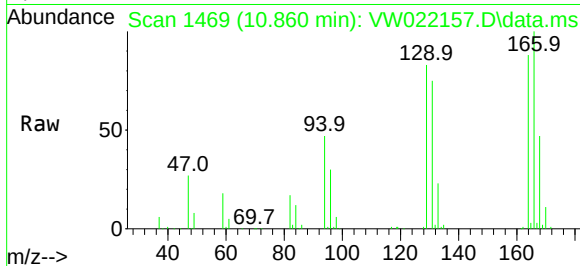




#46
Tetrachloroethene
Concen: 11.682 ug/L
RT: 10.860 min Scan# 14
Delta R.T. 0.000 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

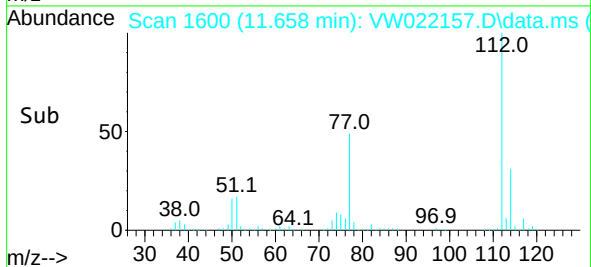
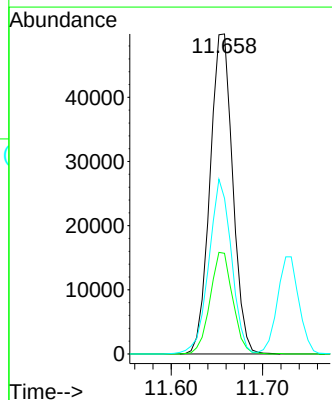
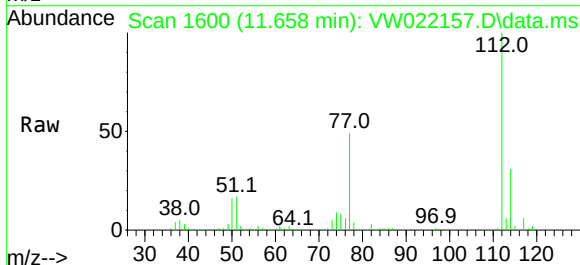
Instrument :
MSVOA_W
ClientSampleId :
DBRQ4

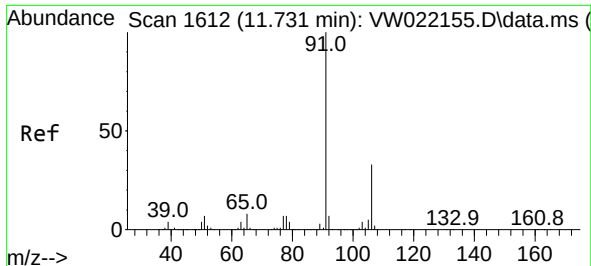
Tgt Ion:164	Resp:	23420	
Ion	Ratio	Lower	Upper
164	100		
129	93.6	60.3	111.9
131	85.0	59.9	111.3
166	113.1	77.0	143.0



#51
Chlorobenzene
Concen: 13.682 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.006 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

Tgt Ion:112	Resp:	86139	
Ion	Ratio	Lower	Upper
112	100		
114	31.4	23.0	42.8
77	48.7	41.8	62.6





#52

Ethylbenzene

Concen: 28.639 ug/L

RT: 11.731 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022157.D

Acq: 03 Mar 2022 11:51

Instrument :

MSVOA_W

ClientSampleId :

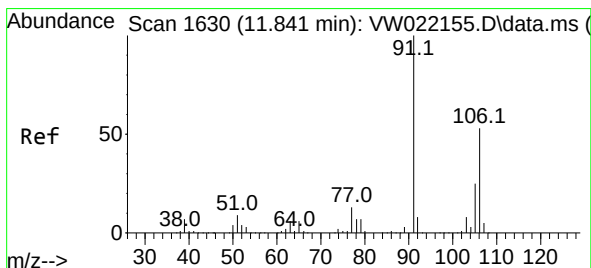
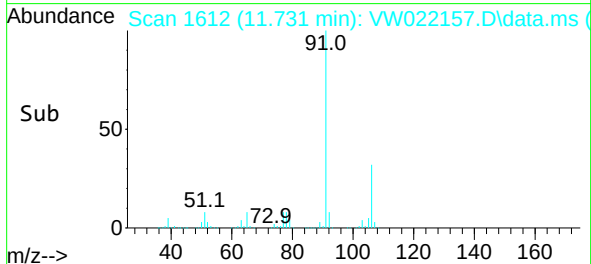
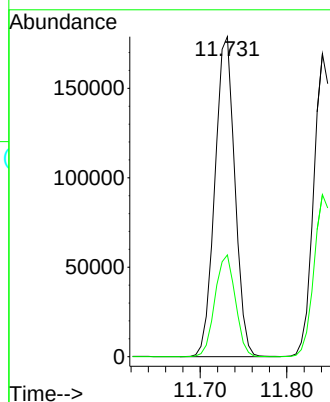
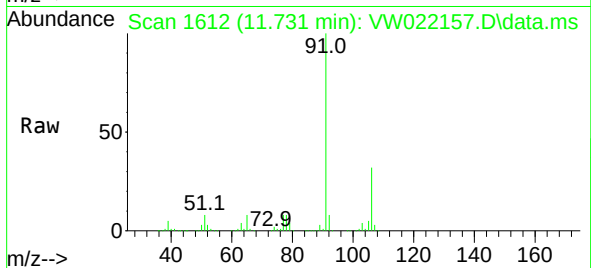
DBRQ4

Tgt Ion: 91 Resp: 286721

Ion Ratio Lower Upper

91 100

106 31.8 22.8 42.4



#53

m,p-Xylene

Concen: 34.859 ug/L

RT: 11.841 min Scan# 1630

Delta R.T. 0.000 min

Lab File: VW022157.D

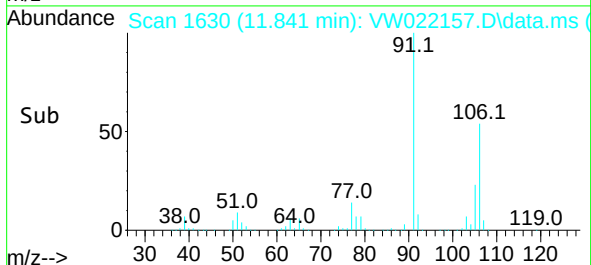
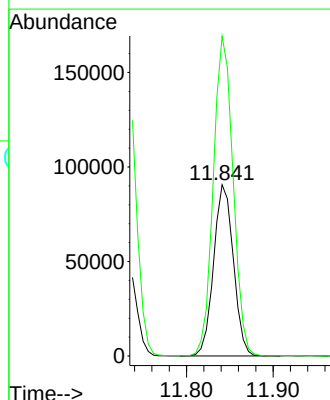
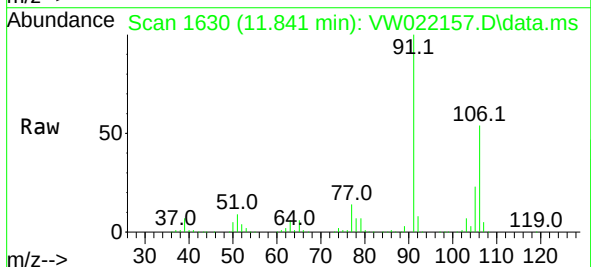
Acq: 03 Mar 2022 11:51

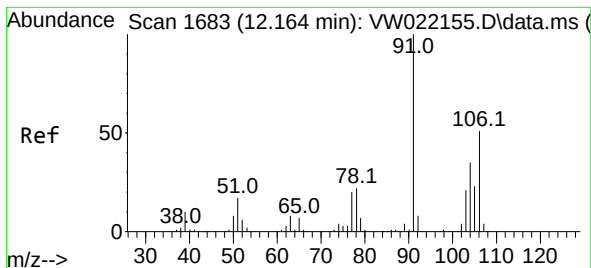
Tgt Ion: 106 Resp: 143605

Ion Ratio Lower Upper

106 100

91 186.8 135.0 250.8





#54

o-Xylene

Concen: 28.380 ug/L

RT: 12.164 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW022157.D

Acq: 03 Mar 2022 11:51

Instrument :

MSVOA_W

ClientSampleId :

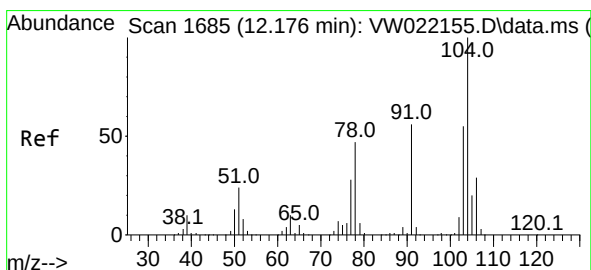
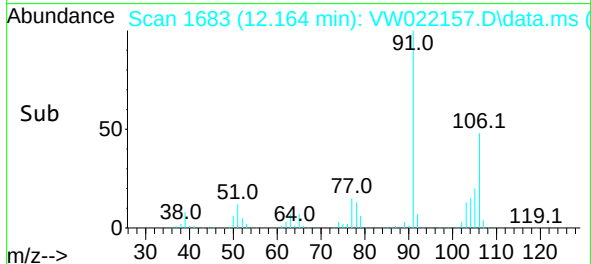
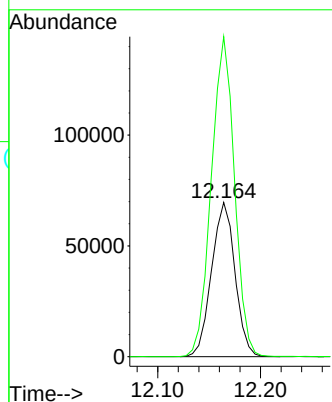
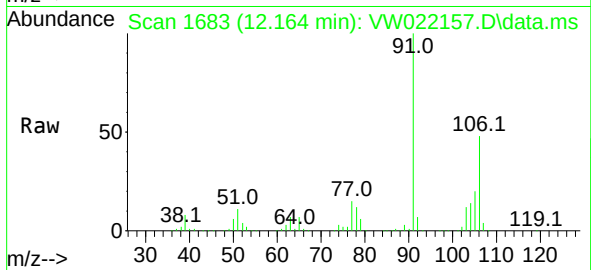
DBRQ4

Tgt Ion:106 Resp: 110006

Ion Ratio Lower Upper

106 100

91 207.5 136.9 254.3



#55

Styrene

Concen: 11.855 ug/L

RT: 12.176 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VW022157.D

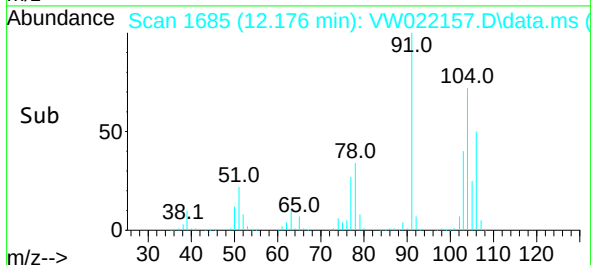
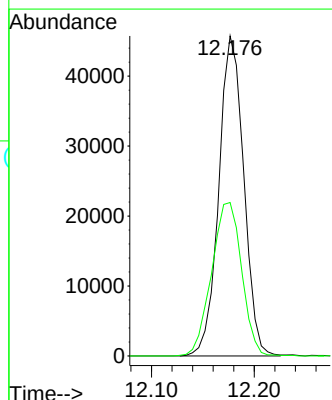
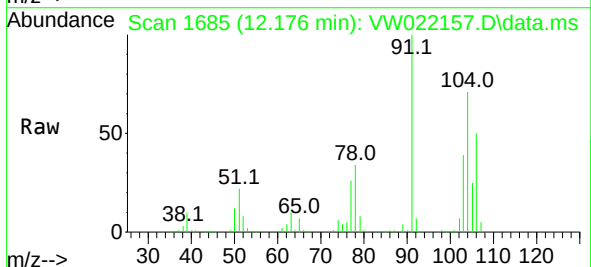
Acq: 03 Mar 2022 11:51

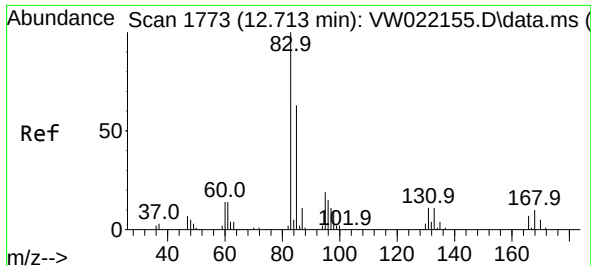
Tgt Ion:104 Resp: 77034

Ion Ratio Lower Upper

104 100

78 47.9 27.8 51.6





#57

1,1,2,2-Tetrachloroethane

Concen: 10.640 ug/L

RT: 12.713 min Scan# 1773

Delta R.T. 0.000 min

Lab File: VW022157.D

Acq: 03 Mar 2022 11:51

Instrument :

MSVOA_W

ClientSampleId :

DBRQ4

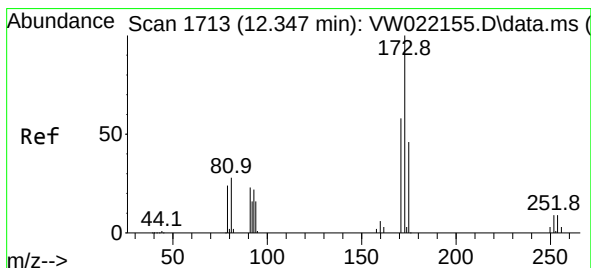
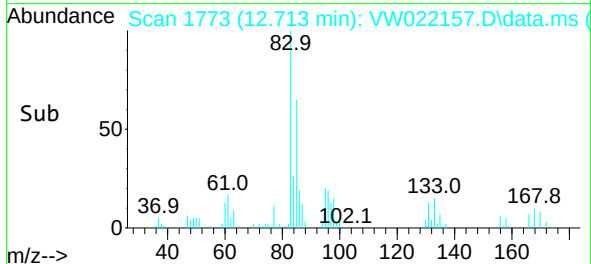
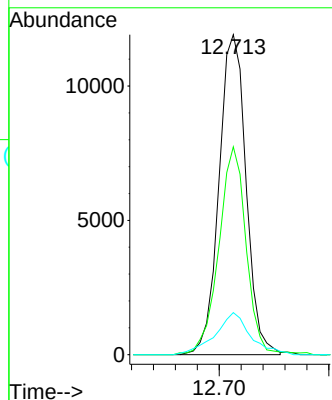
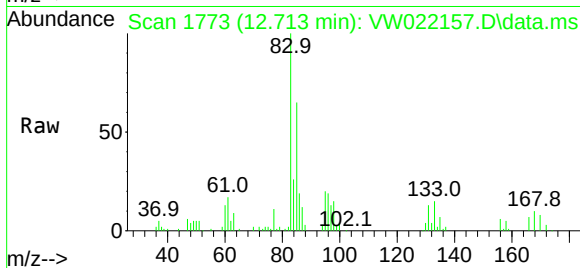
Tgt Ion: 83 Resp: 20412

Ion Ratio Lower Upper

83 100

85 64.9 44.2 82.0

131 13.2 9.4 14.0



#59

Bromoform

Concen: 10.189 ug/L

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW022157.D

Acq: 03 Mar 2022 11:51

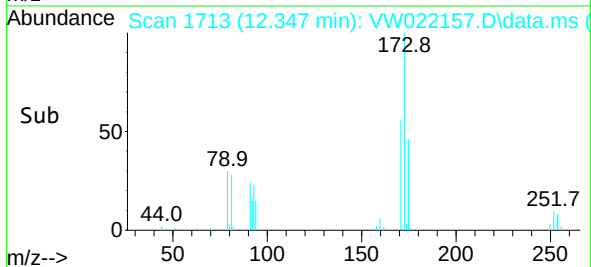
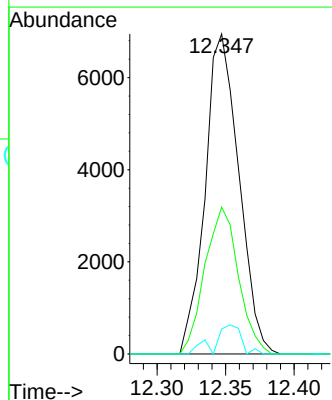
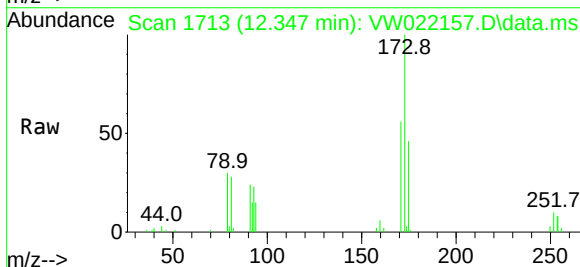
Tgt Ion: 173 Resp: 11890

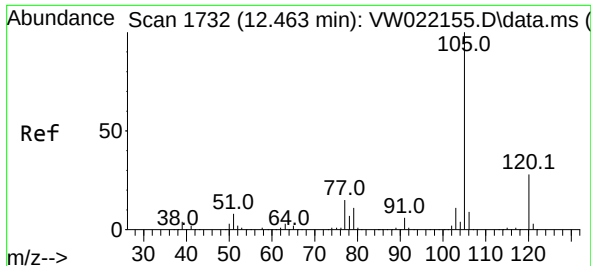
Ion Ratio Lower Upper

173 100

175 45.5 38.2 57.4

254 5.3 5.0 7.6

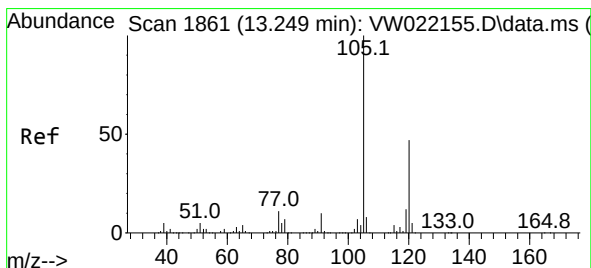
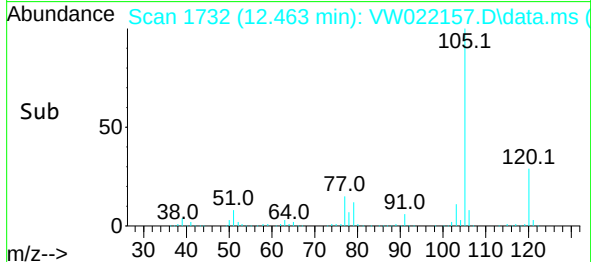
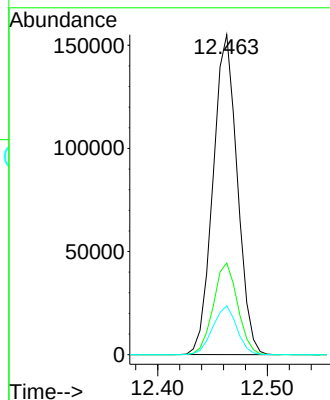
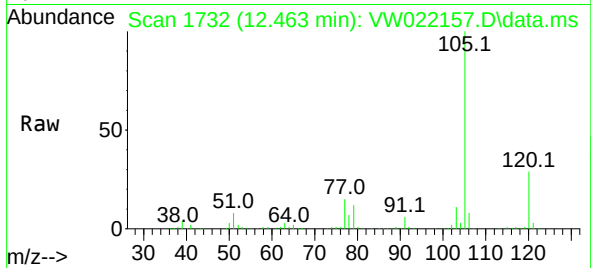




#60
Isopropylbenzene
Concen: 22.531 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

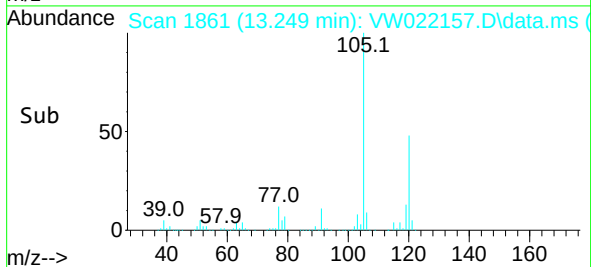
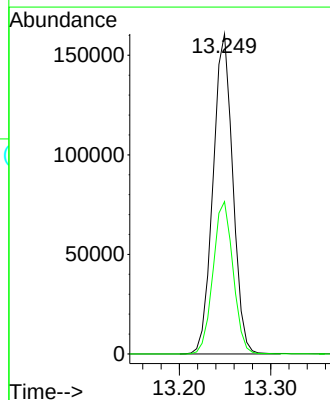
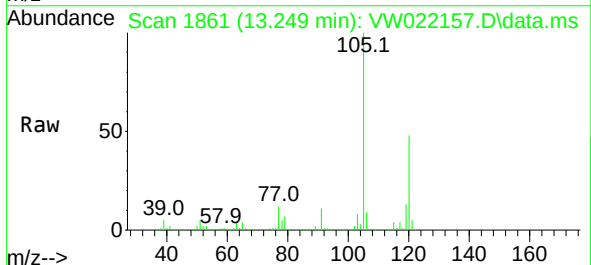
Instrument :
MSVOA_W
ClientSampleId :
DBRQ4

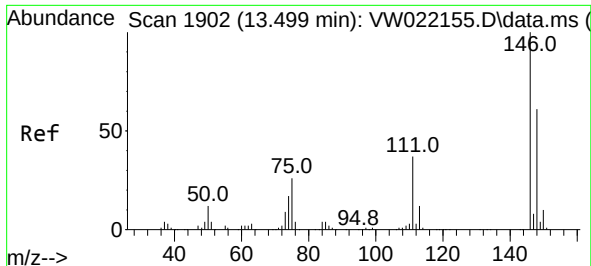
Tgt Ion:105 Resp: 238664
Ion Ratio Lower Upper
105 100
120 28.7 22.1 33.1
77 15.1 12.0 18.0



#63
1,2,4-Trimethylbenzene
Concen: 27.990 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

Tgt Ion:105 Resp: 240940
Ion Ratio Lower Upper
105 100
120 48.3 39.2 58.8

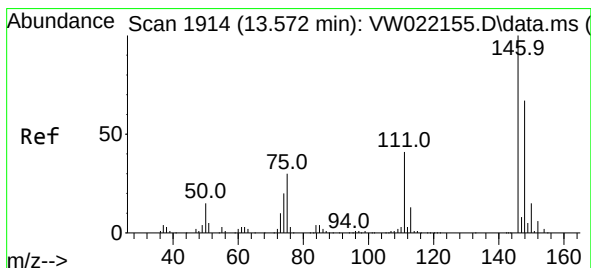
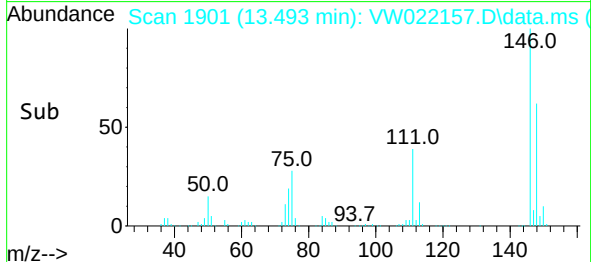
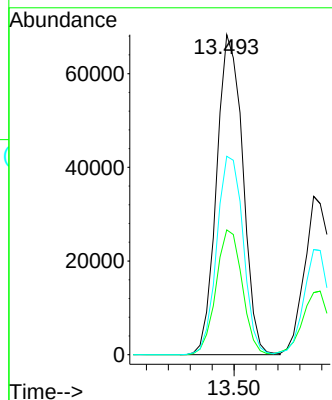
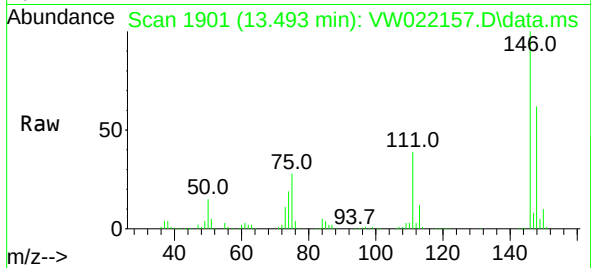




#64
1,3-Dichlorobenzene
Concen: 21.561 ug/L
RT: 13.493 min Scan# 1902
Delta R.T. -0.006 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

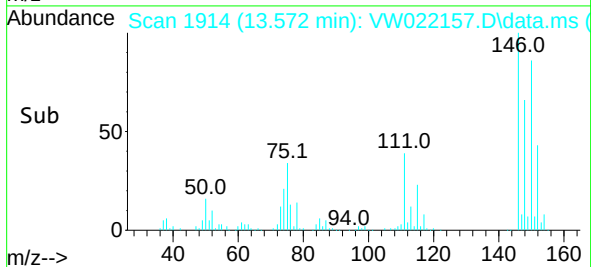
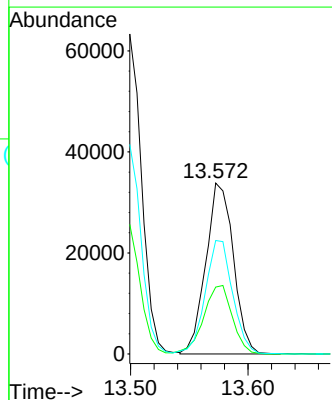
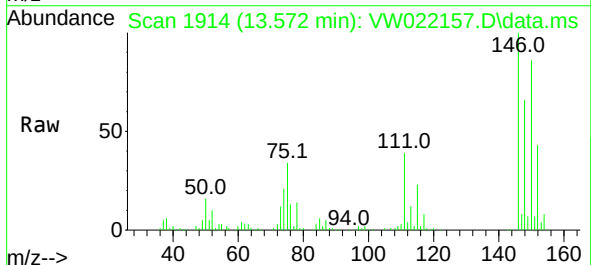
Instrument :
MSVOA_W
ClientSampleId :
DBRQ4

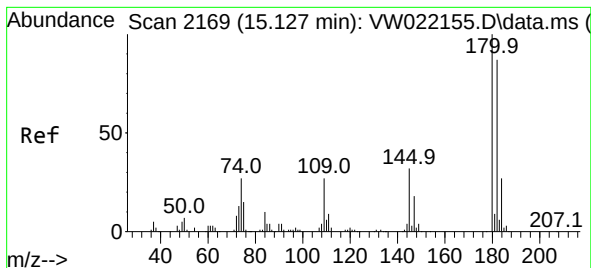
Tgt Ion:146 Resp: 113295
Ion Ratio Lower Upper
146 100
111 39.0 26.9 49.9
148 62.0 41.6 77.2



#65
1,4-Dichlorobenzene
Concen: 10.480 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW022157.D
Acq: 03 Mar 2022 11:51

Tgt Ion:146 Resp: 55186
Ion Ratio Lower Upper
146 100
111 39.1 27.5 51.1
148 66.4 42.9 79.7





#70

1,2,4-trichlorobenzene

Concen: 20.614 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. 0.000 min

Lab File: VW022157.D

Acq: 03 Mar 2022 11:51

Instrument :

MSVOA_W

ClientSampleId :

DBRQ4

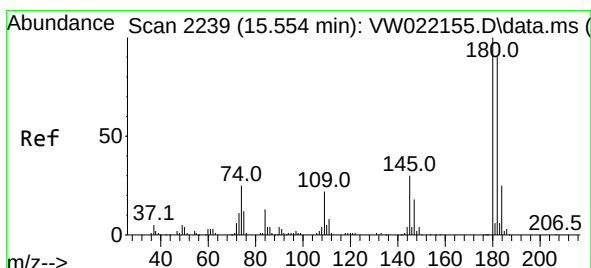
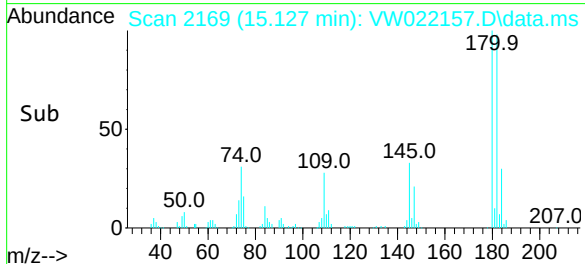
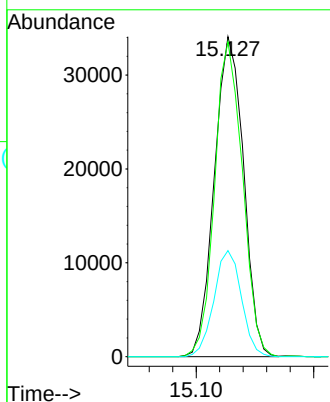
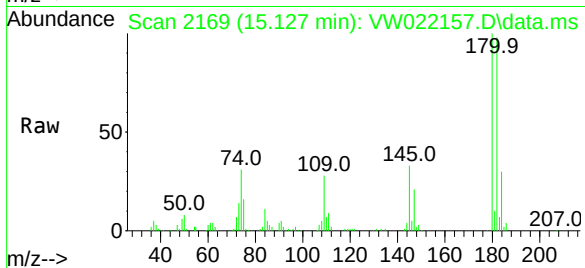
Tgt Ion:180 Resp: 58824

Ion Ratio Lower Upper

180 100

182 93.9 77.8 116.6

145 31.3 25.8 38.6



#72

1,2,3-Trichlorobenzene

Concen: 30.377 ug/L

RT: 15.554 min Scan# 2239

Delta R.T. 0.000 min

Lab File: VW022157.D

Acq: 03 Mar 2022 11:51

Tgt Ion:180 Resp: 74980

Ion Ratio Lower Upper

180 100

182 94.4 79.0 118.4

145 32.9 28.0 42.0

