

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050321\
 Data File : VW018903.D
 Acq On : 03 May 2021 16:57
 Operator : SY/VA
 Sample : M2209-16
 Misc : 5.96G/10ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 04 01:17:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 04 01:15:32 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.854	114	520521	25.00	ug/L	0.01
28) Chlorobenzene-d5	11.658	117	305237	25.00	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	13.560	152	124466	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	161248	24.15	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	96.60%		
7) Chloroethane-d5	2.891	69	127057	24.56	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	98.24%		
11) 1,1-Dichloroethene-d2	4.031	63	232582	17.54	ug/L	0.01
Spiked Amount 25.000	Range 45 - 110		Recovery =	70.16%		
21) 2-Butanone-d5	7.086	46	58586	33.69	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	67.38%		
24) Chloroform-d	7.665	84	317671	23.25	ug/L	0.02
Spiked Amount 25.000	Range 40 - 150		Recovery =	93.00%		
26) 1,2-Dichloroethane-d4	8.311	65	190187	24.92	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.68%		
32) Benzene-d6	8.287	84	635287	36.84	ug/L	0.01
Spiked Amount 25.000	Range 20 - 135		Recovery =	147.36%#		
36) 1,2-Dichloropropane-d6	9.281	67	182359	35.64	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	142.56%#		
41) Toluene-d8	10.335	98	553488	34.41	ug/L	0.01
Spiked Amount 25.000	Range 30 - 130		Recovery =	137.64%#		
43) trans-1,3-Dichloroprop...	10.585	79	77544	33.35	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	133.40%		
47) 2-Hexanone-d5	10.920	63	302	0.33	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	0.66%#		
56) 1,1,2,2-Tetrachloroeth...	12.695	84	112851	26.03	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	104.12%		
66) 1,2-Dichlorobenzene-d4	13.859	152	107961	25.31	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	101.24%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.050	96	4191	0.62	ug/L #	1
13) Acetone	4.135	43	5651	4.24	ug/L	54
14) Carbon disulfide	4.403	76	34474	1.73	ug/L #	94
16) Methylene chloride	4.940	84	24824	2.88	ug/L	88
33) Benzene	8.336	78	76442	4.18	ug/L	100
34) Trichloroethene	9.098	95	1026248	210.48	ug/L	92
35) Methylcyclohexane	9.281	83	49309	5.75	ug/L #	19
39) cis-1,3-Dichloropropene	10.043	75	6286	0.90	ug/L #	74
42) Toluene	10.402	91	48643	2.42	ug/L	97
46) Tetrachloroethene	10.853	164	14872169	4056.34	ug/L	93
48) 2-Hexanone	10.969	43	1571	0.88	ug/L #	41
49) Dibromochloromethane	11.146	129	5503	1.45	ug/L #	13
51) Chlorobenzene	11.683	112	4392	0.36	ug/L #	87
52) Ethylbenzene	11.750	91	36829	1.65	ug/L	94
53) m,p-Xylene	11.853	106	45422	5.48	ug/L	95
54) o-Xylene	12.176	106	27164	3.44	ug/L	95
60) Isopropylbenzene	12.902	105	70475	3.97	ug/L	95
62) 1,3,5-Trimethylbenzene	12.951	105	163267	11.01	ug/L	95
63) 1,2,4-Trimethylbenzene	13.255	105	510756	34.43	ug/L	100

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Quant Time: May 04 01:17:50 2021
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Quant Title : SFAM01.0
QLast Update : Tue May 04 01:15:32 2021
Response via : Initial Calibration

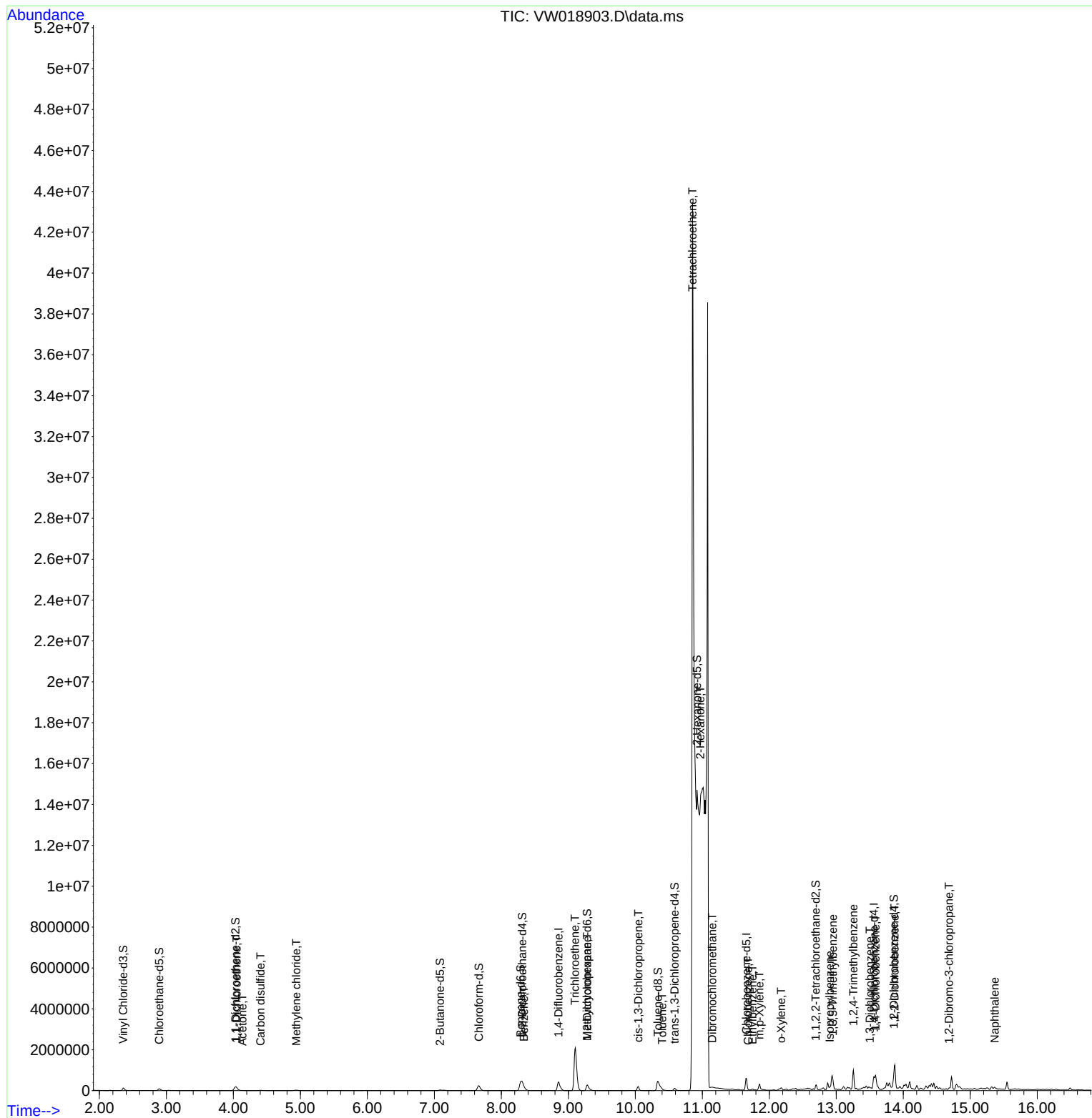
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	13.499	146	2510	0.33	ug/L #	48
65) 1,4-Dichlorobenzene	13.585	146	84789	11.21	ug/L	97
67) 1,2-Dichlorobenzene	13.871	146	96118	14.17	ug/L	93
68) 1,2-Dibromo-3-chloropr...	14.682	75	1353	2.41	ug/L #	25
71) Naphthalene	15.365	128	96874	10.23	ug/L	97

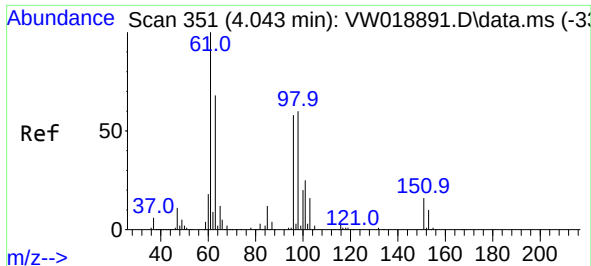
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.62 ug/L

RT: 4.050 min Scan# 352

Delta R.T. 0.006 min

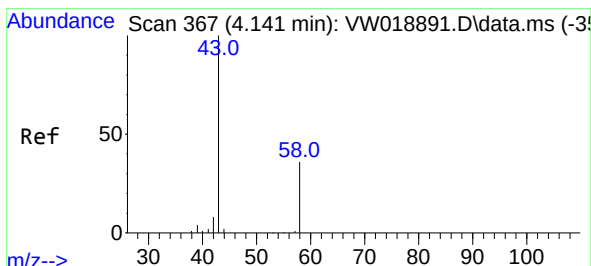
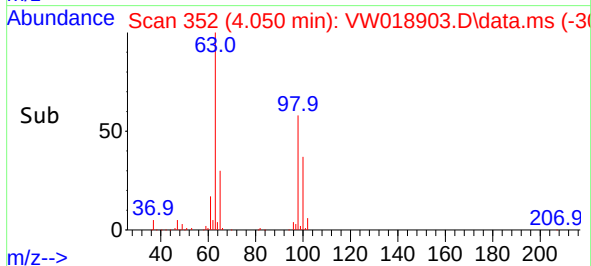
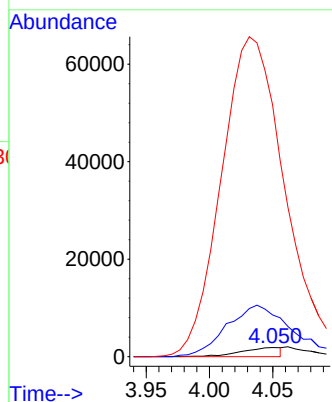
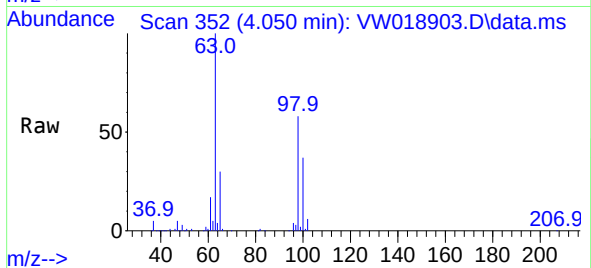
Lab File: VW018903.D

Acq: 03 May 2021 16:57

Tgt Ion: 96 Resp: 4191

Ion	Ratio	Lower	Upper
96	100		
61	457.8	118.1	219.3#
63	2763.7	83.7	155.5#

Instrument :
MSVOA_W
ClientSampled :



#13

Acetone

Concen: 4.24 ug/L

RT: 4.135 min Scan# 366

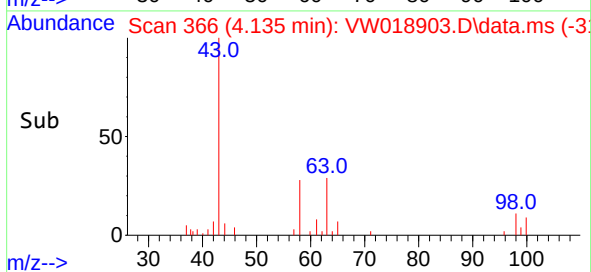
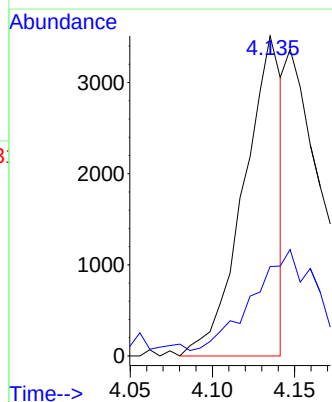
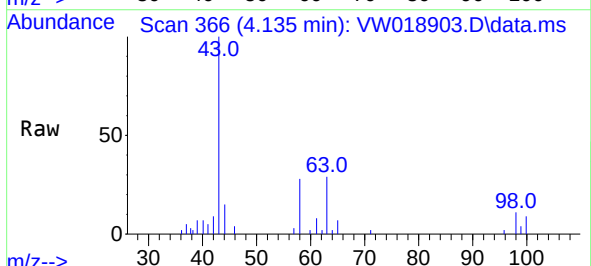
Delta R.T. -0.006 min

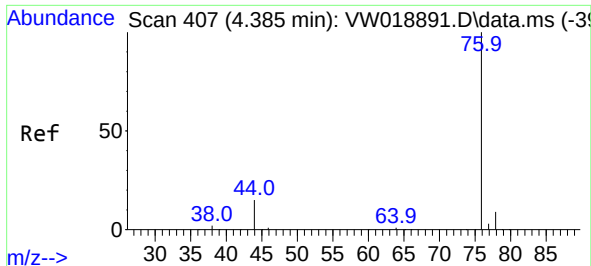
Lab File: VW018903.D

Acq: 03 May 2021 16:57

Tgt Ion: 43 Resp: 5651

Ion	Ratio	Lower	Upper
43	100		
58	50.5	0.0	53.8

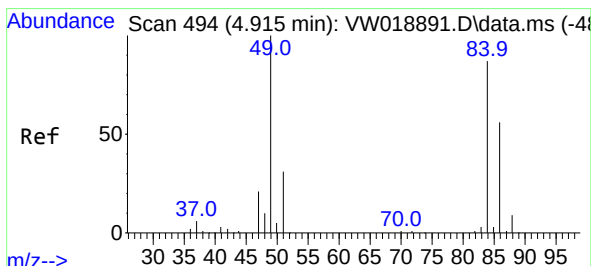
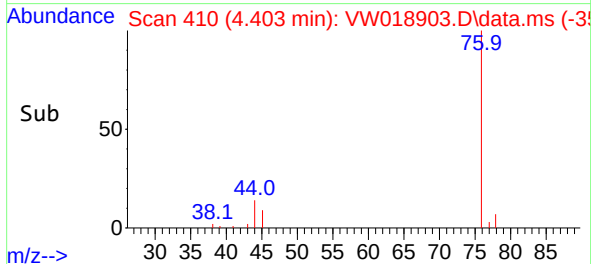
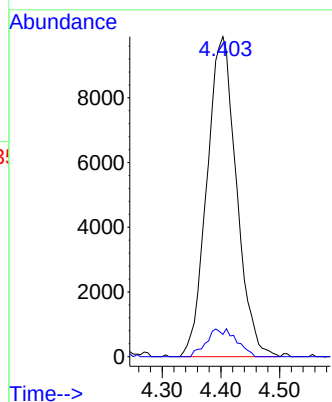
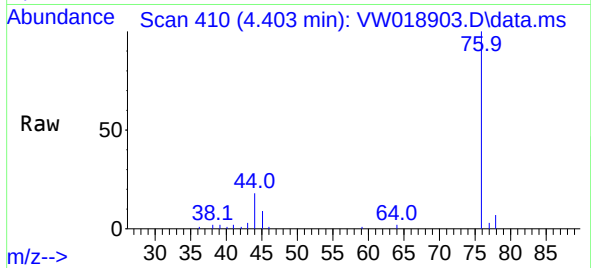




#14
Carbon disulfide
Concen: 1.73 ug/L
RT: 4.403 min Scan# 410
Delta R.T. 0.019 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

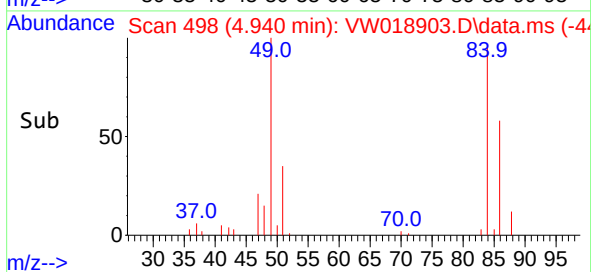
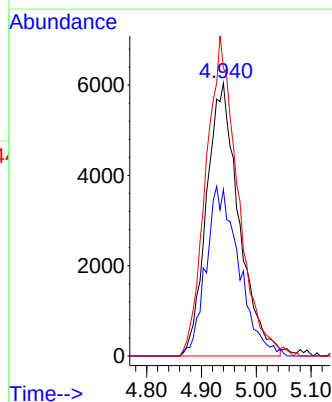
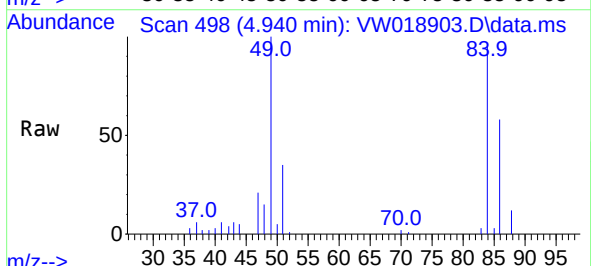
Instrument :
MSVOA_W
ClientSampled :

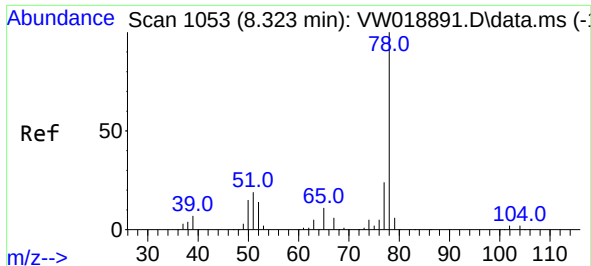
Tgt Ion: 76 Resp: 34474
Ion Ratio Lower Upper
76 100
78 6.9 7.4 11.0#



#16
Methylene chloride
Concen: 2.88 ug/L
RT: 4.940 min Scan# 498
Delta R.T. 0.025 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

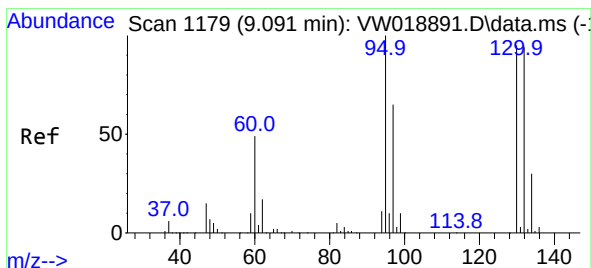
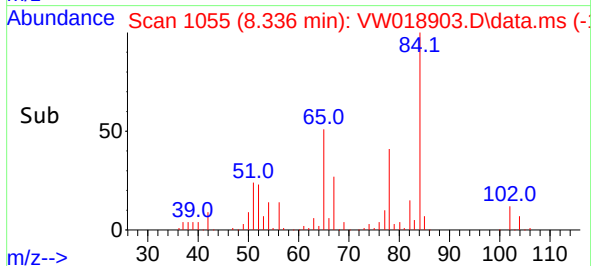
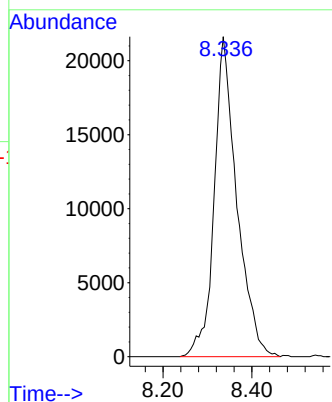
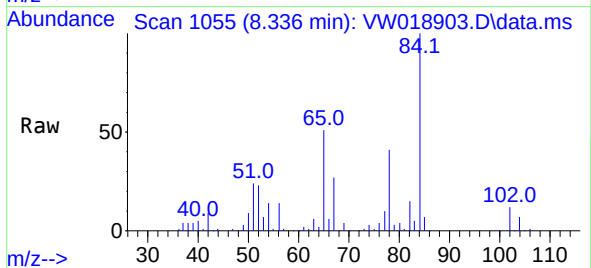
Tgt Ion: 84 Resp: 24824
Ion Ratio Lower Upper
84 100
86 61.0 45.3 84.1
49 105.6 86.6 160.8



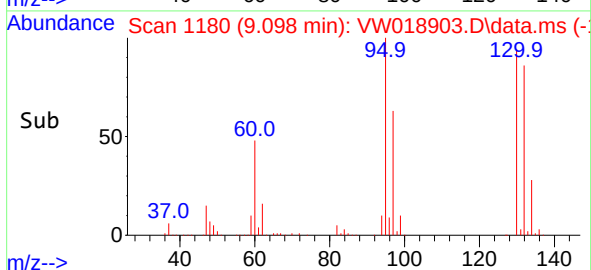
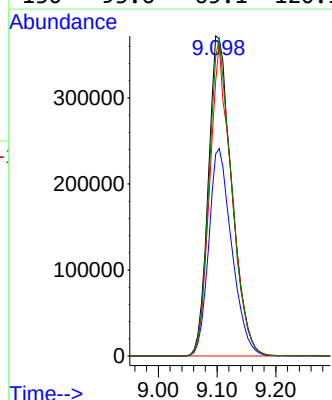
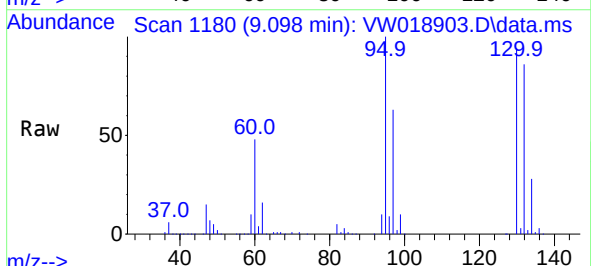


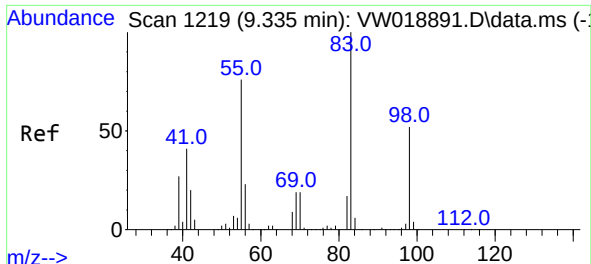
#33
Benzene
Concen: 4.18 ug/L
RT: 8.336 min Scan# 1055
Delta R.T. 0.012 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57
Tgt Ion: 78 Resp: 76442

Instrument :
MSVOA_W
ClientSampled :



#34
Trichloroethene
Concen: 210.48 ug/L
RT: 9.098 min Scan# 1180
Delta R.T. 0.006 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57
Tgt Ion: 95 Resp: 1026248

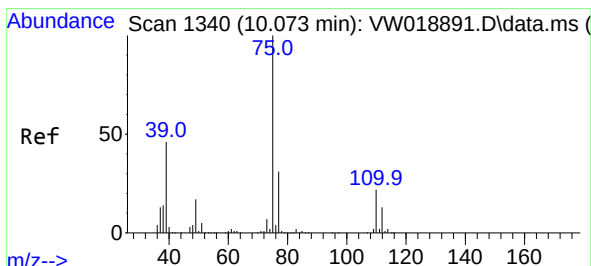
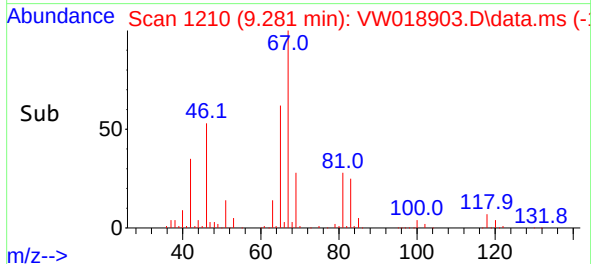
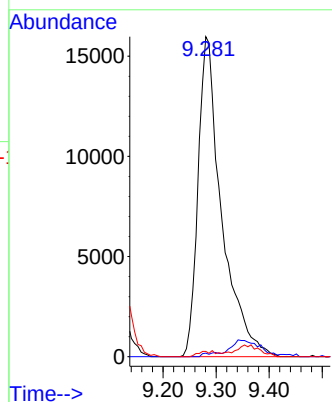
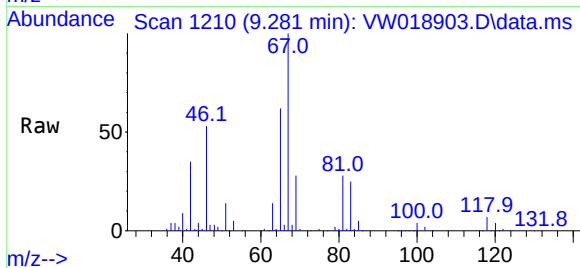




#35
Methylcyclohexane
Concen: 5.75 ug/L
RT: 9.281 min Scan# 1210
Delta R.T. -0.055 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

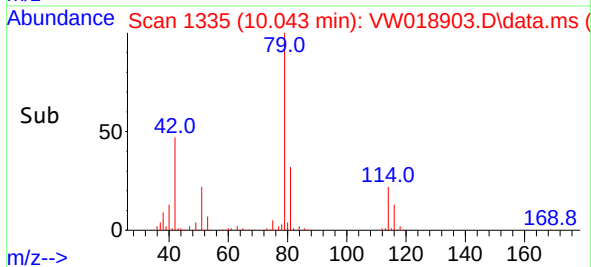
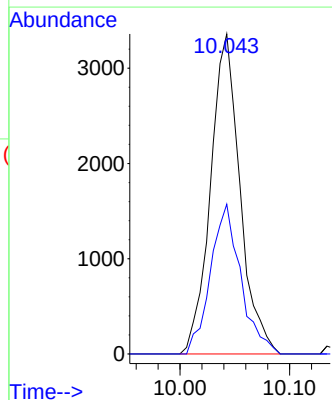
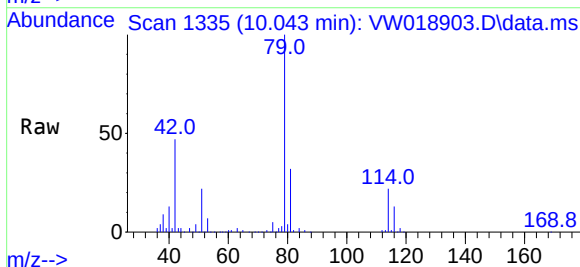
Instrument :
MSVOA_W
ClientSampled :

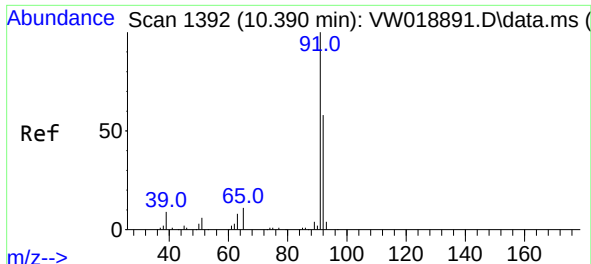
Tgt Ion: 83 Resp: 49309
Ion Ratio Lower Upper
83 100
55 0.3 58.9 88.3#
98 0.8 40.1 60.1#



#39
cis-1,3-Dichloropropene
Concen: 0.90 ug/L
RT: 10.043 min Scan# 1335
Delta R.T. -0.030 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

Tgt Ion: 75 Resp: 6286
Ion Ratio Lower Upper
75 100
77 46.8 22.6 42.0#

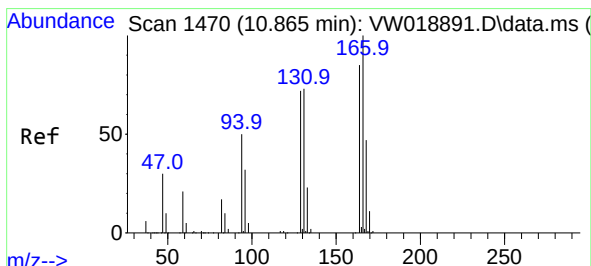
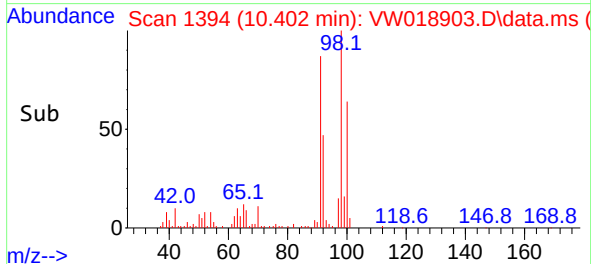
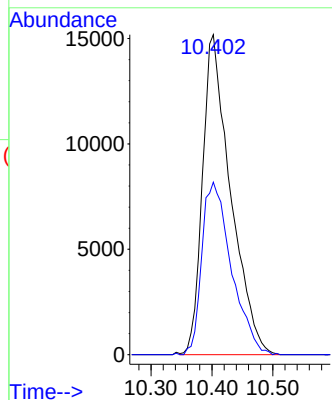
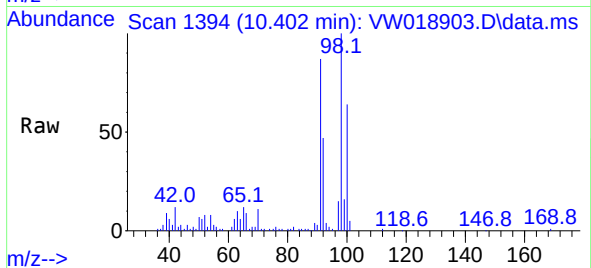




#42
Toluene
Concen: 2.42 ug/L
RT: 10.402 min Scan# 1394
Delta R.T. 0.012 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

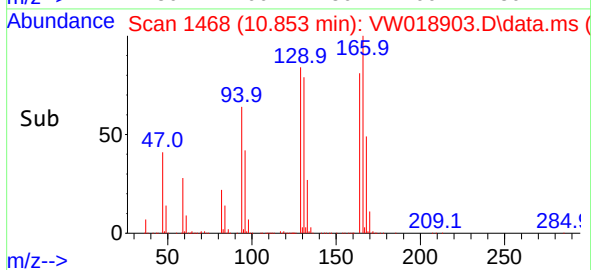
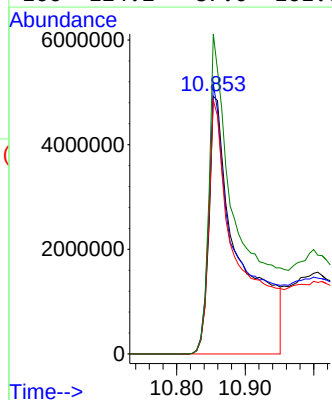
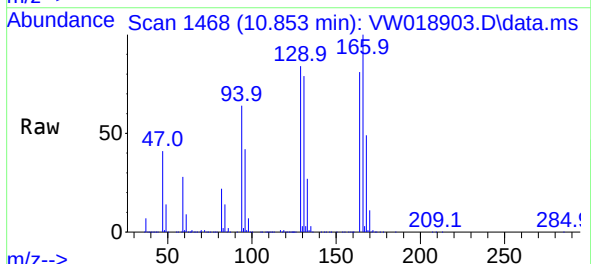
Instrument :
MSVOA_W
ClientSampled :

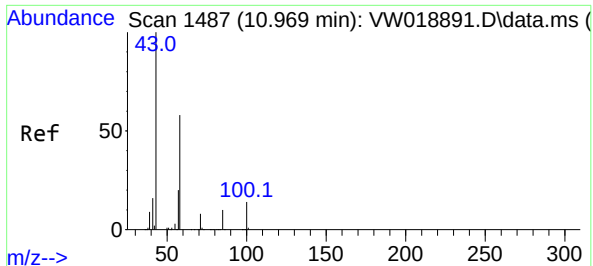
Tgt Ion: 91 Resp: 48643
Ion Ratio Lower Upper
91 100
92 53.9 39.5 73.3



#46
Tetrachloroethene
Concen: 4056.34 ug/L
RT: 10.853 min Scan# 1468
Delta R.T. -0.012 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

Tgt Ion: 164 Resp: 14872169
Ion Ratio Lower Upper
164 100
129 104.8 66.7 123.9
131 98.5 61.1 113.5
166 124.2 87.0 161.6

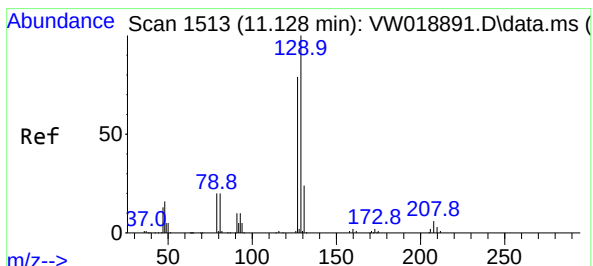
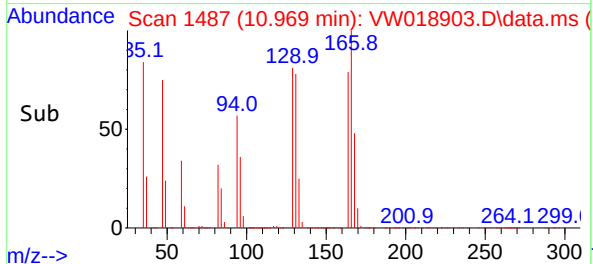
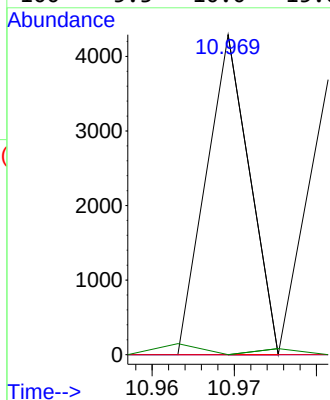
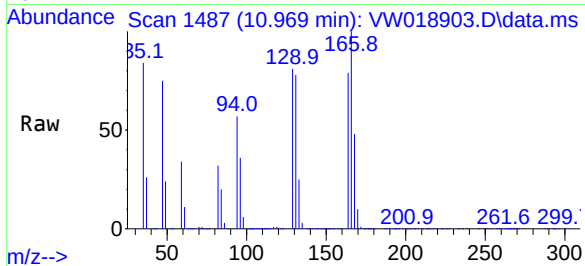




#48
2-Hexanone
Concen: 0.88 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

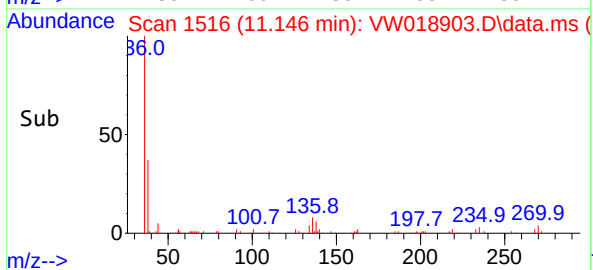
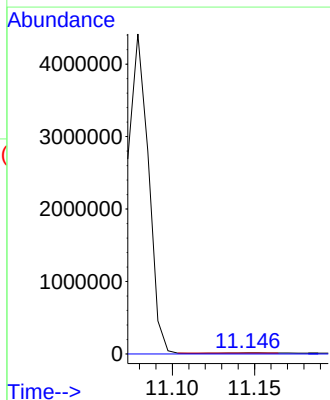
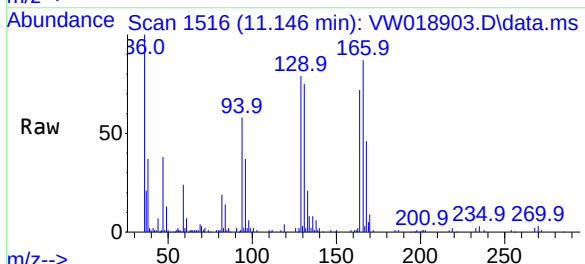
Instrument :
MSVOA_W
ClientSampled :

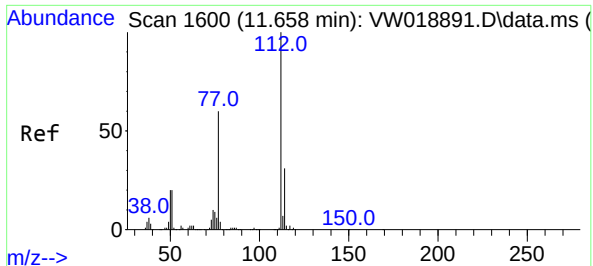
Tgt Ion:	43	Resp:	1571
Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.7	64.1#
57	0.0	15.8	23.8#
100	5.3	10.0	15.0#



#49
Dibromochloromethane
Concen: 1.45 ug/L
RT: 11.146 min Scan# 1516
Delta R.T. 0.019 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

Tgt Ion:	129	Resp:	5503
Ion	Ratio	Lower	Upper
129	100		
127	0.5	51.7	95.9#

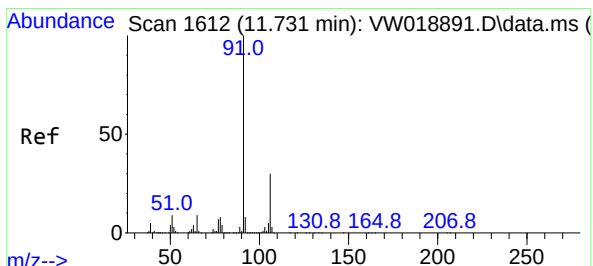
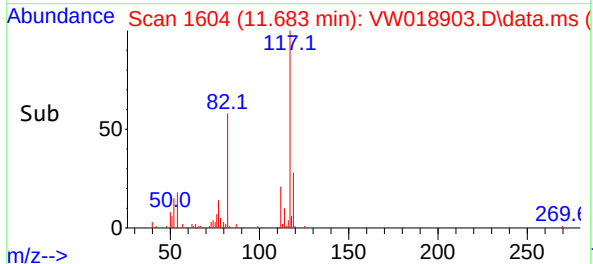
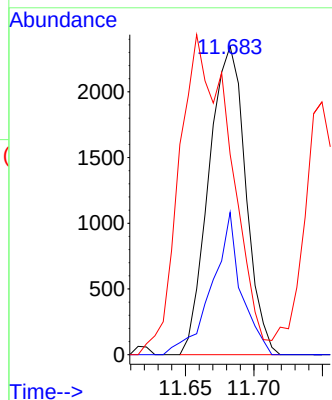
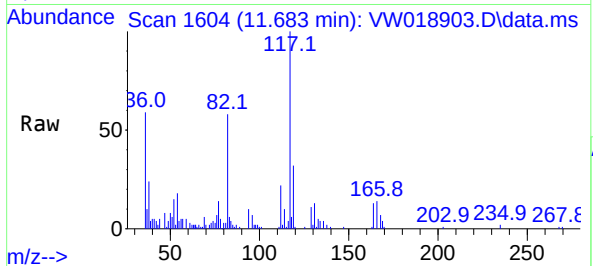




#51
Chlorobenzene
Concen: 0.36 ug/L
RT: 11.683 min Scan# 1604
Delta R.T. 0.025 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

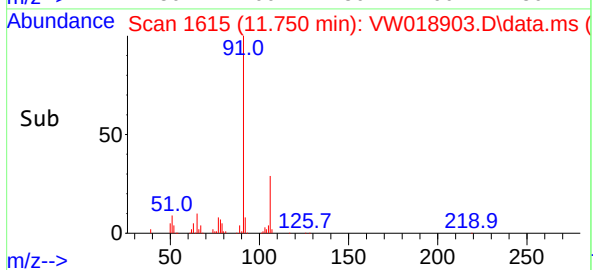
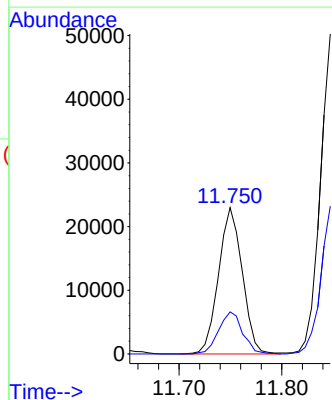
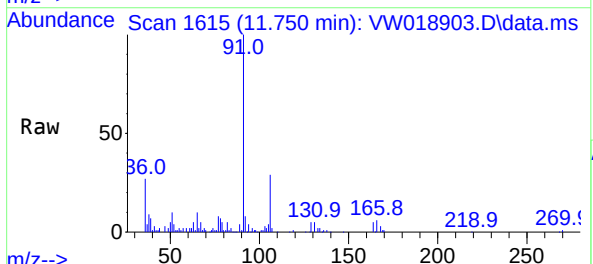
Instrument :
MSVOA_W
ClientSampled :

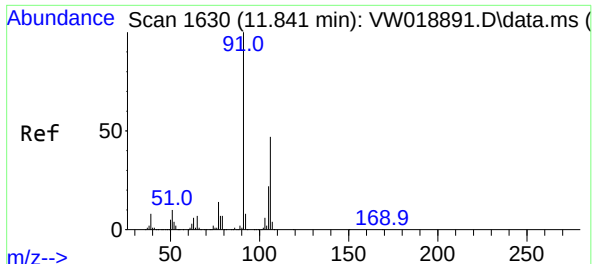
Tgt Ion:112 Resp: 4392
Ion Ratio Lower Upper
112 100
114 46.2 23.4 43.6#
77 65.0 47.6 71.4



#52
Ethylbenzene
Concen: 1.65 ug/L
RT: 11.750 min Scan# 1615
Delta R.T. 0.019 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

Tgt Ion: 91 Resp: 36829
Ion Ratio Lower Upper
91 100
106 28.8 22.5 41.7

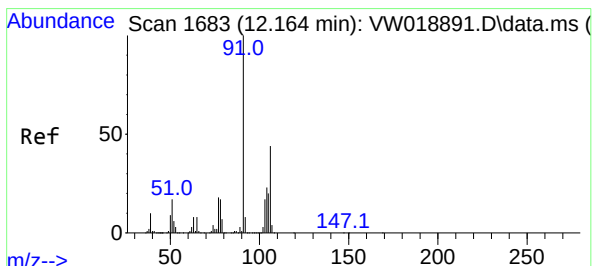
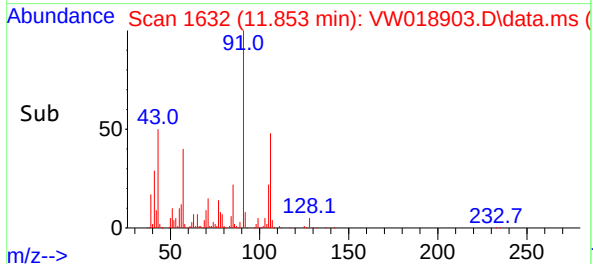
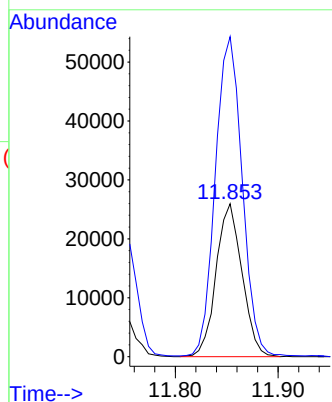
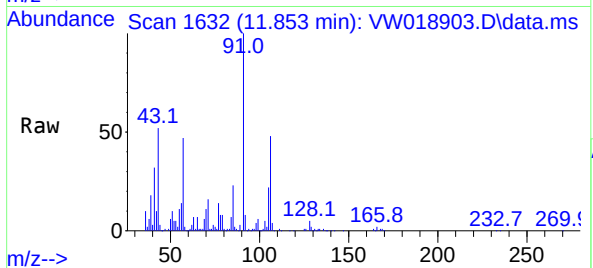




#53
m,p-Xylene
Concen: 5.48 ug/L
RT: 11.853 min Scan# 1632
Delta R.T. 0.012 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

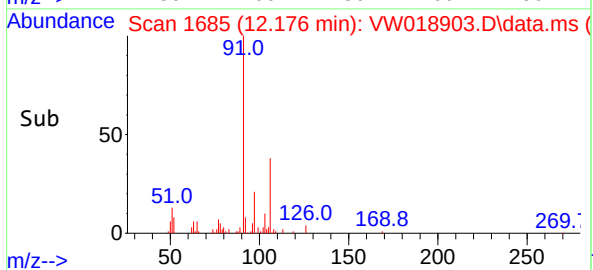
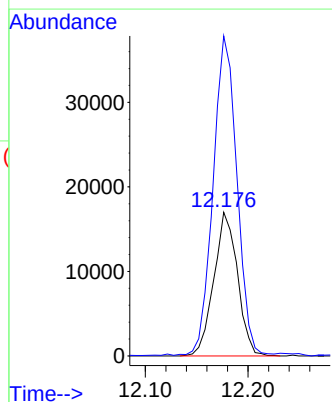
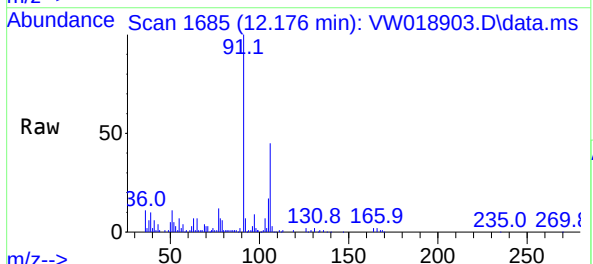
Instrument :
MSVOA_W
ClientSampled :

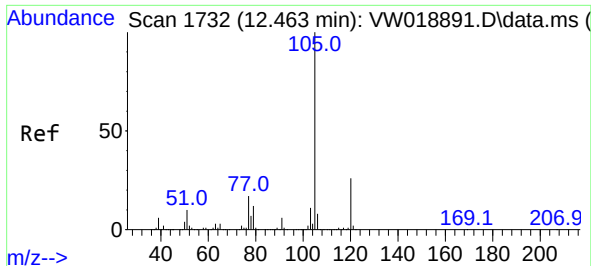
Tgt Ion:106 Resp: 45422
Ion Ratio Lower Upper
106 100
91 209.1 141.3 262.3



#54
o-Xylene
Concen: 3.44 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. 0.012 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

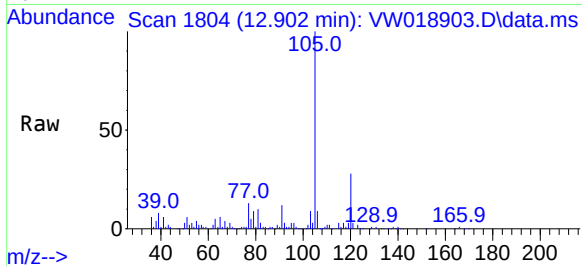
Tgt Ion:106 Resp: 27164
Ion Ratio Lower Upper
106 100
91 222.7 150.0 278.6



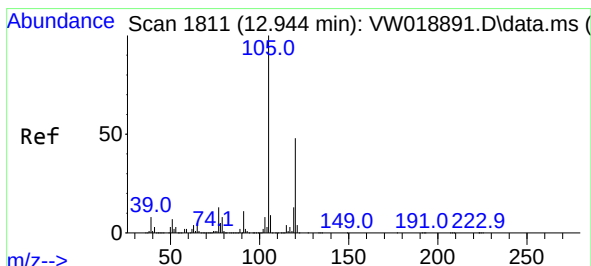
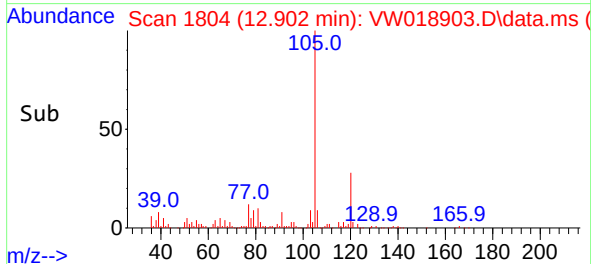
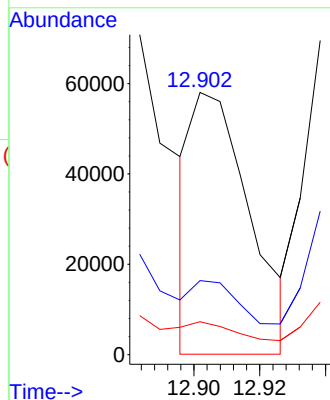


#60
Isopropylbenzene
Concen: 3.97 ug/L
RT: 12.902 min Scan# 1804
Delta R.T. 0.439 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

Instrument :
MSVOA_W
ClientSampled :

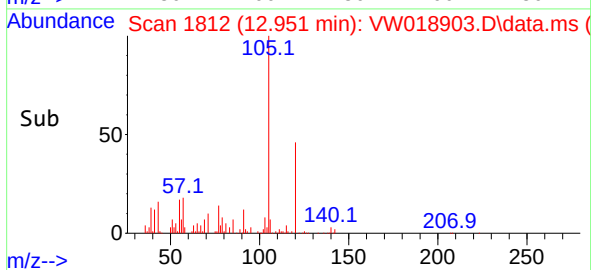
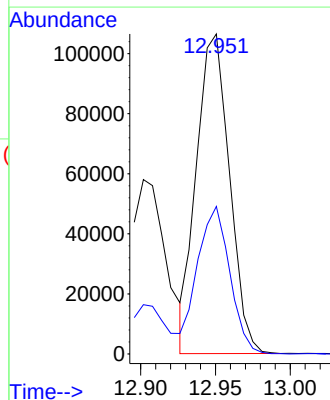
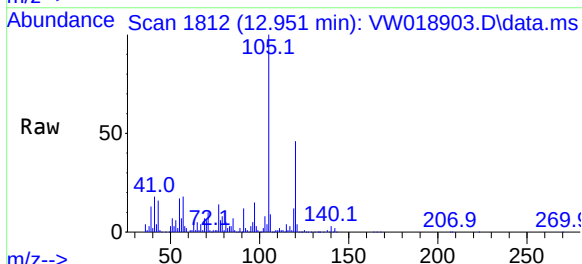


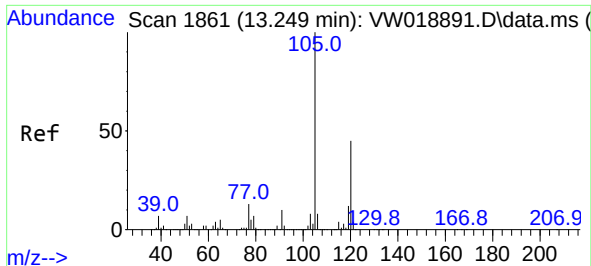
Tgt Ion:105 Resp: 70475
Ion Ratio Lower Upper
105 100
120 29.7 21.1 31.7
77 14.8 13.2 19.8



#62
1,3,5-Trimethylbenzene
Concen: 11.01 ug/L
RT: 12.951 min Scan# 1812
Delta R.T. 0.006 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

Tgt Ion:105 Resp: 163267
Ion Ratio Lower Upper
105 100
120 45.2 39.0 58.6

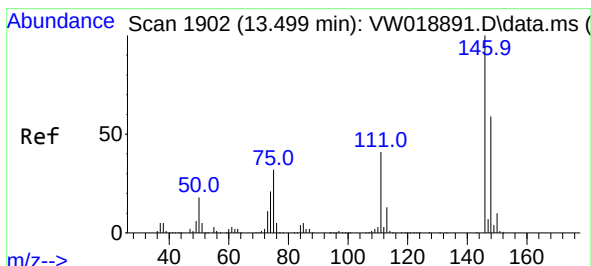
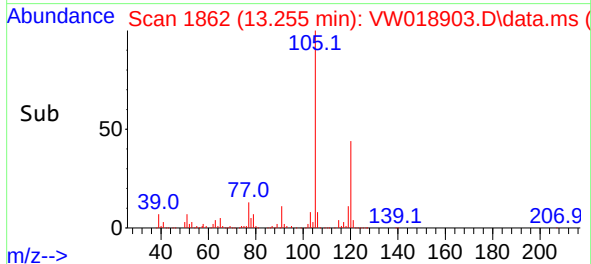
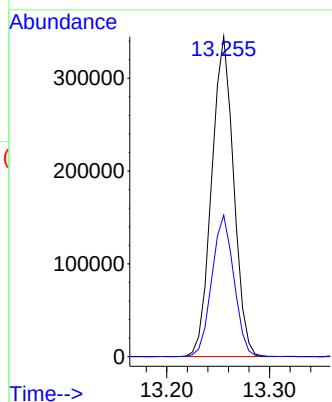
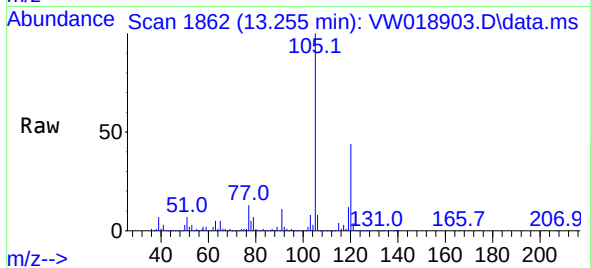




#63
1,2,4-Trimethylbenzene
Concen: 34.43 ug/L
RT: 13.255 min Scan# 1862
Delta R.T. 0.006 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

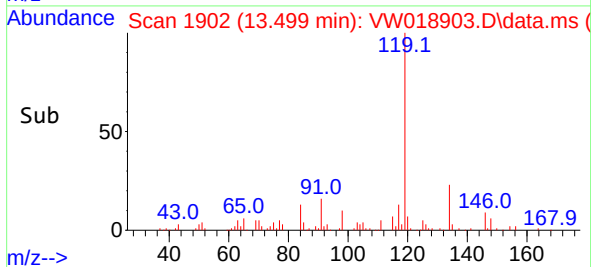
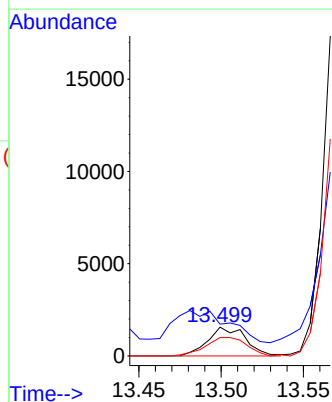
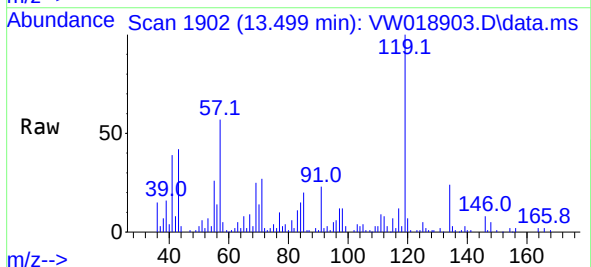
Instrument :
MSVOA_W
ClientSampled :

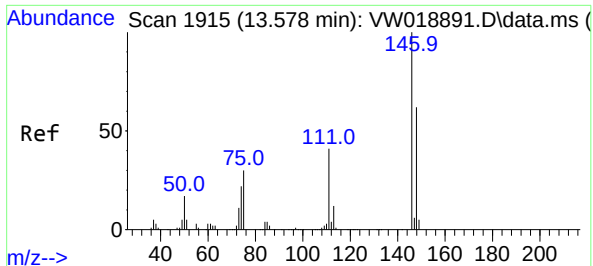
Tgt Ion:105 Resp: 510756
Ion Ratio Lower Upper
105 100
120 44.4 35.6 53.4



#64
1,3-Dichlorobenzene
Concen: 0.33 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

Tgt Ion:146 Resp: 2510
Ion Ratio Lower Upper
146 100
111 110.8 26.7 49.7#
148 64.1 41.1 76.3

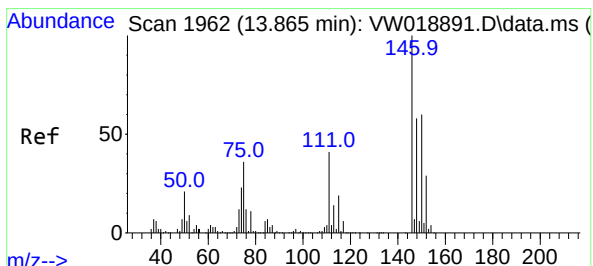
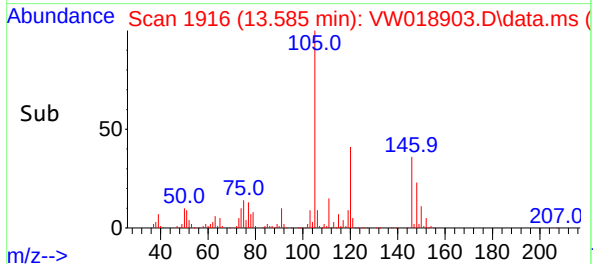
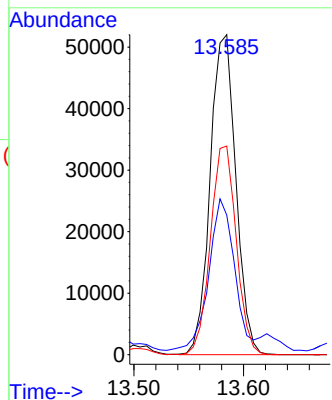
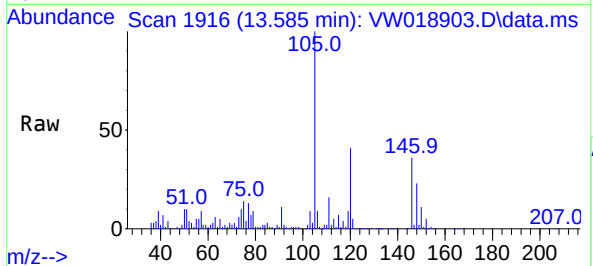




#65
1,4-Dichlorobenzene
Concen: 11.21 ug/L
RT: 13.585 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

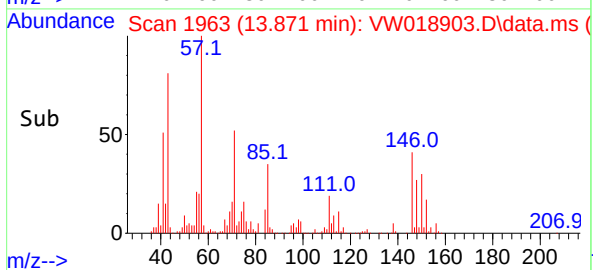
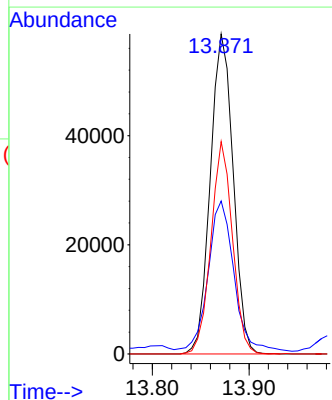
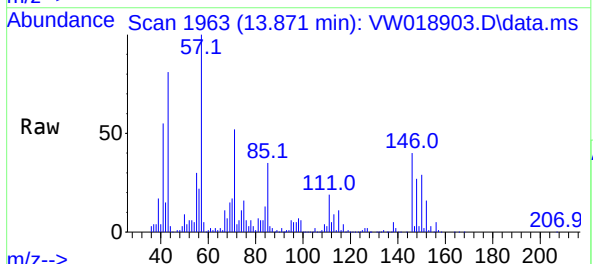
Instrument :
MSVOA_W
ClientSampled :

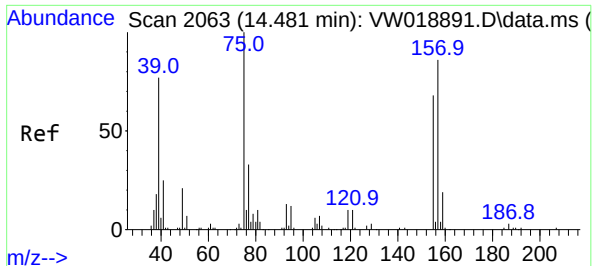
Tgt Ion:146 Resp: 84789
Ion Ratio Lower Upper
146 100
111 43.6 28.8 53.4
148 65.2 46.8 87.0



#67
1,2-Dichlorobenzene
Concen: 14.17 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

Tgt Ion:146 Resp: 96118
Ion Ratio Lower Upper
146 100
111 47.8 33.2 49.8
148 66.3 50.4 75.6

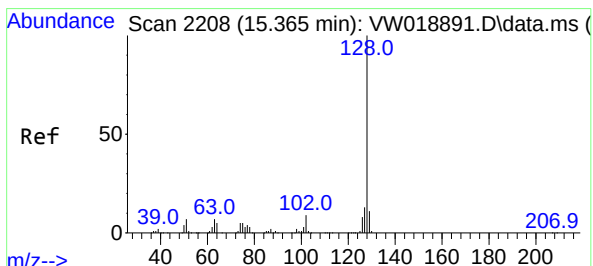
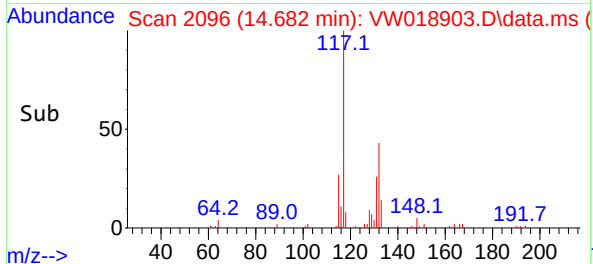
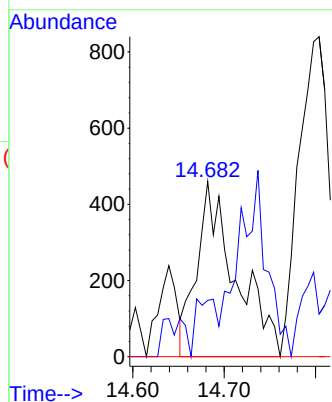
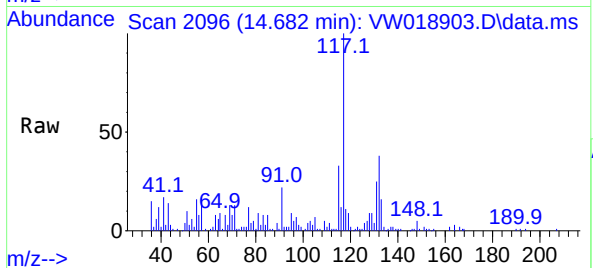




#68
1,2-Dibromo-3-chloropropane
Concen: 2.41 ug/L
RT: 14.682 min Scan# 2096
Delta R.T. 0.201 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 75 Resp: 1353
Ion Ratio Lower Upper
75 100
155 32.2 59.4 89.0#
157 0.0 72.2 108.2#



#71
Naphthalene
Concen: 10.23 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018903.D
Acq: 03 May 2021 16:57

Tgt Ion:128 Resp: 96874
Ion Ratio Lower Upper
128 100
127 14.9 10.6 15.8
129 10.5 9.0 13.6

