

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
 Data File : VW018696.D
 Acq On : 20 Apr 2021 17:12
 Operator : SY/VA
 Sample : M2065-17
 Misc : 3.41G/10ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG570

Quant Time: Apr 21 01:31:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Apr 21 01:26:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	376426	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	223980	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	62584	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	76220	13.32	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	53.28%		
7) Chloroethane-d5	2.891	69	70499	13.91	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	55.64%		
11) 1,1-Dichloroethene-d2	4.019	63	93474	9.41	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	37.64%#		
21) 2-Butanone-d5	7.086	46	98789	75.87	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	151.74%#		
24) Chloroform-d	7.653	84	200970	19.45	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	77.80%		
26) 1,2-Dichloroethane-d4	8.305	65	128320	22.09	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	88.36%		
32) Benzene-d6	8.275	84	323131	24.59	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	98.36%		
36) 1,2-Dichloropropane-d6	9.274	67	118567	29.94	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	119.76%		
41) Toluene-d8	10.323	98	214326	17.84	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	71.36%		
43) trans-1,3-Dichloroprop...	10.579	79	24612	14.60	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	58.40%		
47) 2-Hexanone-d5	10.927	63	79394	115.31	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	230.62%#		
56) 1,1,2,2-Tetrachloroeth...	12.694	84	108135	32.70	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	130.80%#		
66) 1,2-Dichlorobenzene-d4	13.853	152	43872	19.95	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	79.80%		
Target Compounds					Qvalue	
13) Acetone	4.129	43	56470	59.74	ug/L	86
14) Carbon disulfide	4.391	76	25298	1.72	ug/L	99
16) Methylene chloride	4.921	84	32159	5.21	ug/L	94
22) 2-Butanone	7.177	43	20578	14.33	ug/L	86
29) Cyclohexane	7.958	56	4518	0.82	ug/L #	93
31) Carbon tetrachloride	8.262	117	3499	0.79	ug/L #	13
33) Benzene	8.329	78	35136	2.50	ug/L	100
35) Methylcyclohexane	9.341	83	24210	3.85	ug/L #	71
38) Bromodichloromethane	9.628	83	1918	0.42	ug/L #	27
42) Toluene	10.390	91	6185	0.41	ug/L	92
45) 1,1,2-Trichloroethane	10.762	97	6976	2.64	ug/L #	44
48) 2-Hexanone	10.933	43	36087	26.10	ug/L #	33
52) Ethylbenzene	11.731	91	6445	0.39	ug/L	99
53) m,p-Xylene	11.835	106	7768	1.27	ug/L	97
54) o-Xylene	12.164	106	18548	3.16	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.682	83	17235	5.24	ug/L #	91
60) Isopropylbenzene	12.463	105	8225	0.89	ug/L #	70
62) 1,3,5-Trimethylbenzene	12.944	105	27264	3.58	ug/L	96
63) 1,2,4-Trimethylbenzene	13.249	105	24085	3.17	ug/L	97
64) 1,3-Dichlorobenzene	13.493	146	2147	0.55	ug/L #	1

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

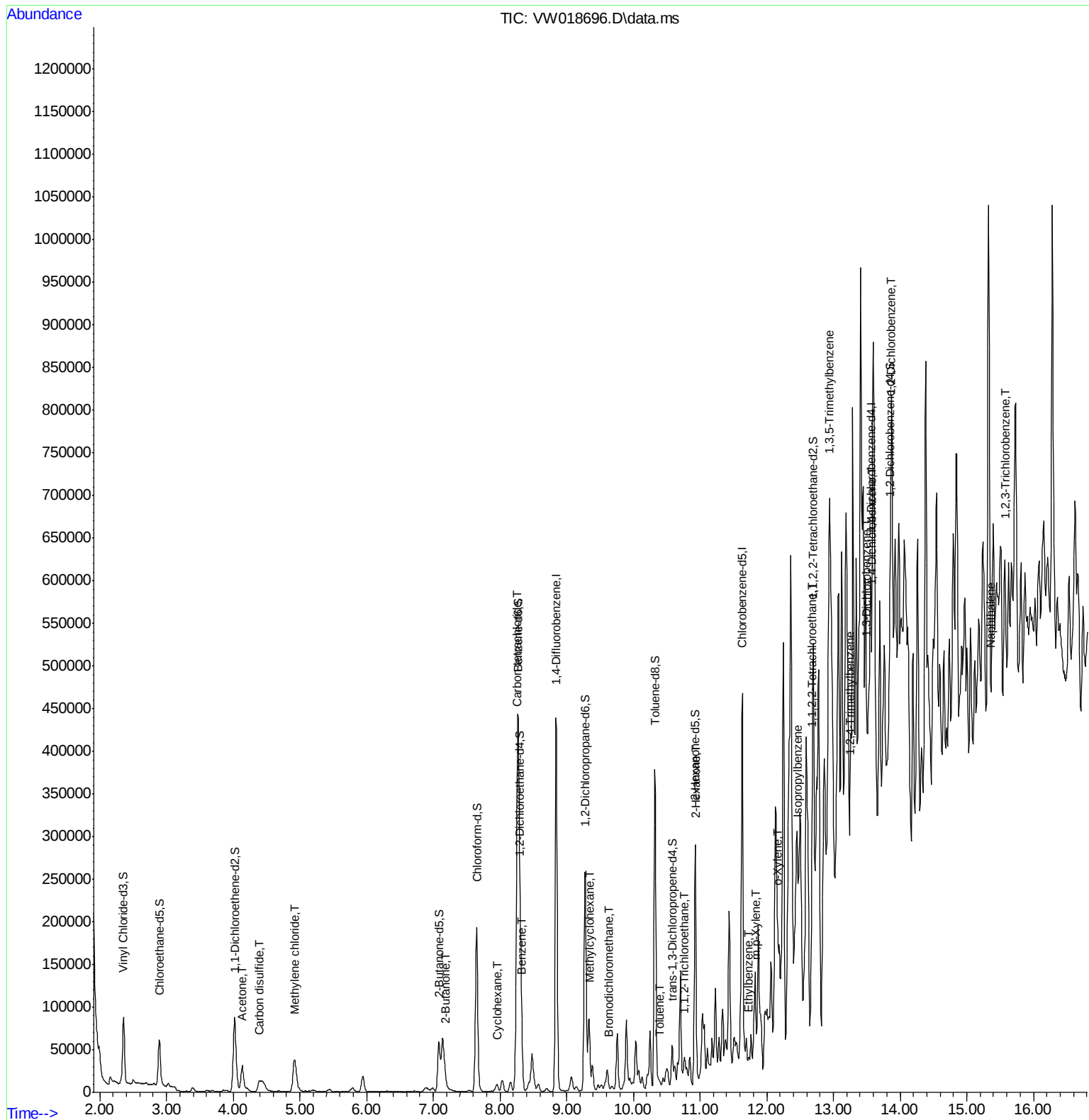
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	13.578	146	2188	0.55	ug/L #	1
67) 1,2-Dichlorobenzene	13.865	146	1390	0.39	ug/L #	1
71) Naphthalene	15.365	128	8924	1.87	ug/L #	73
72) 1,2,3-Trichlorobenzene	15.572	180	3465	1.73	ug/L #	1

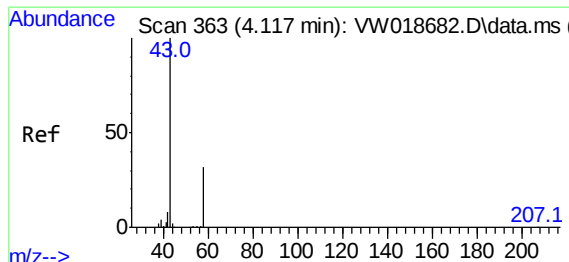
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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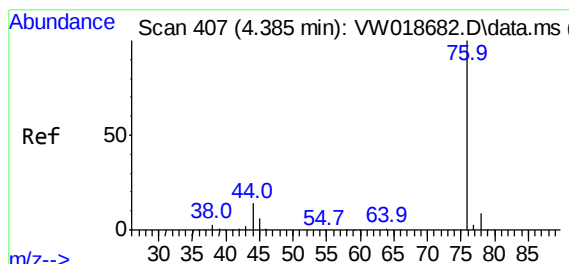
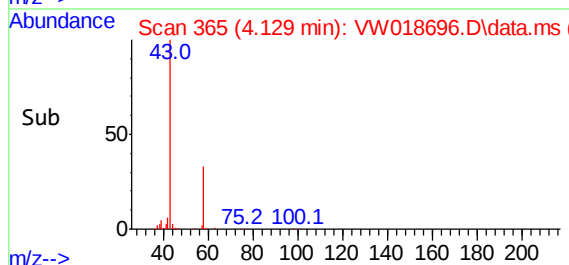
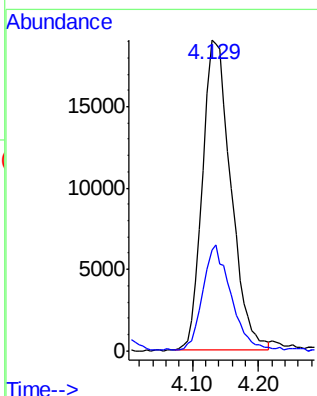
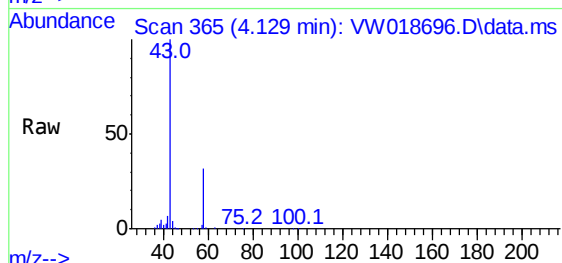




#13
Acetone
Concen: 59.74 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.012 min
Lab File: VW018696.D
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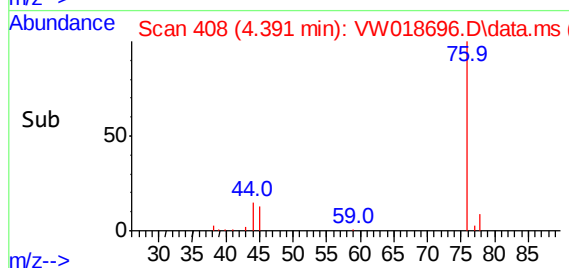
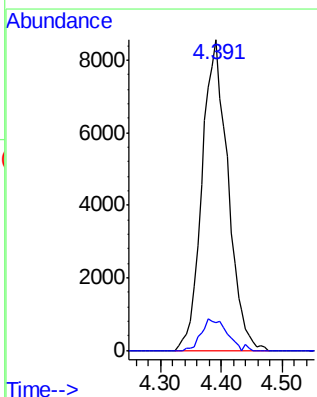
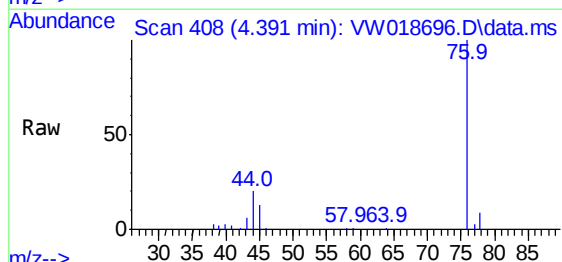
Instrument :
MSVOA_W
ClientSampled :
BG570

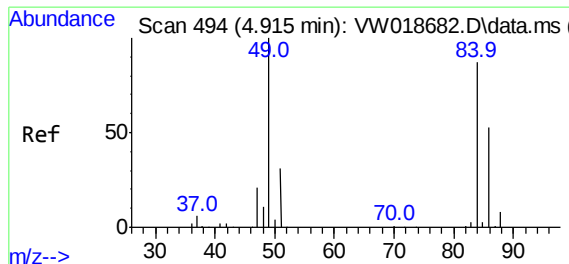
Tgt Ion: 43 Resp: 56470
Ion Ratio Lower Upper
43 100
58 34.1 0.0 53.8



#14
Carbon disulfide
Concen: 1.72 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Tgt Ion: 76 Resp: 25298
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



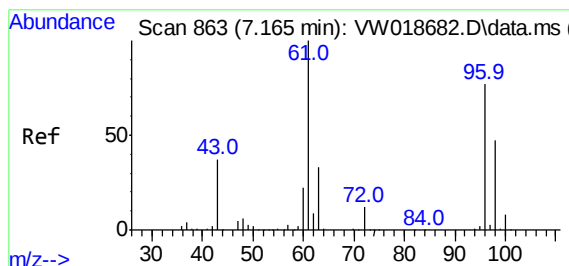
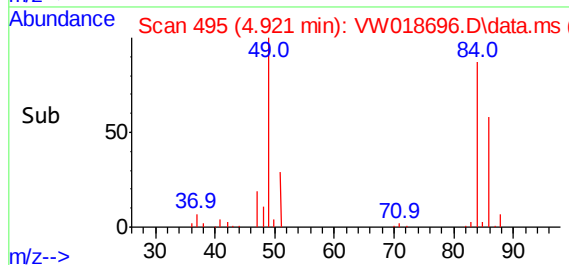
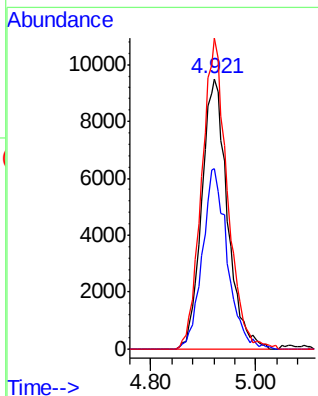
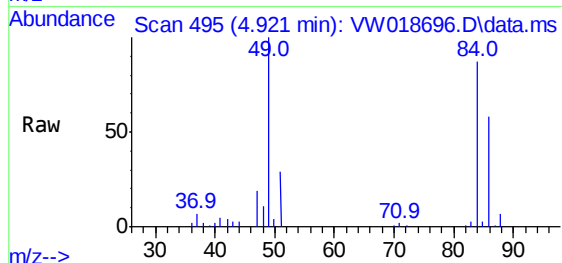


#16
Methylene chloride
Concen: 5.21 ug/L
RT: 4.921 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Instrument :
MSVOA_W
ClientSampleId :
BG570

Tgt Ion: 84 Resp: 32159

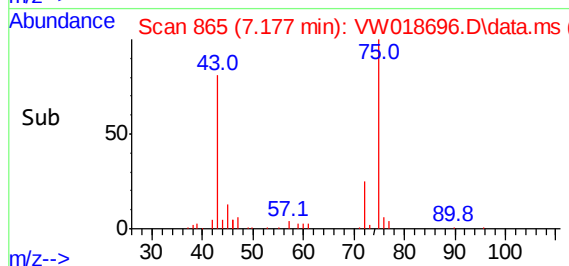
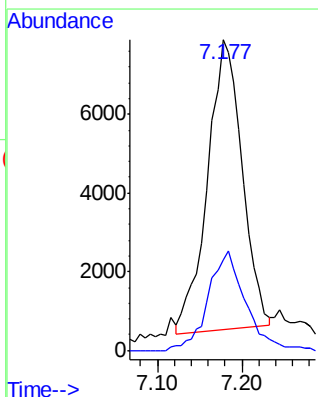
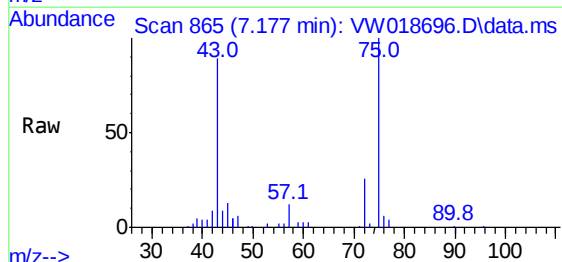
Ion	Ratio	Lower	Upper
84	100		
86	66.7	45.3	84.1
49	115.0	86.6	160.8

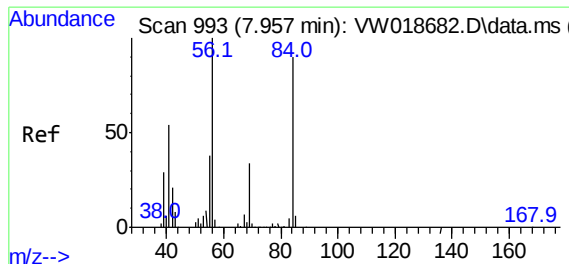


#22
2-Butanone
Concen: 14.33 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.012 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Tgt Ion: 43 Resp: 20578

Ion	Ratio	Lower	Upper
43	100		
72	37.2	14.9	44.7

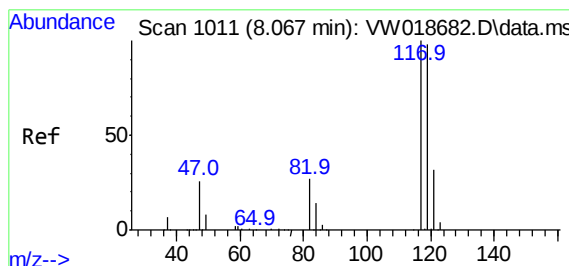
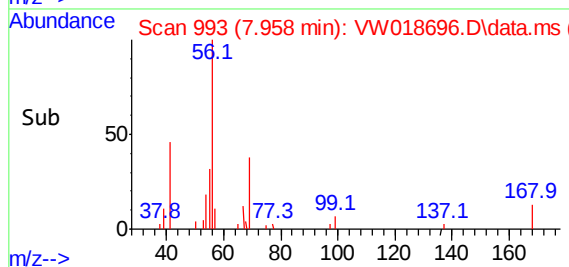
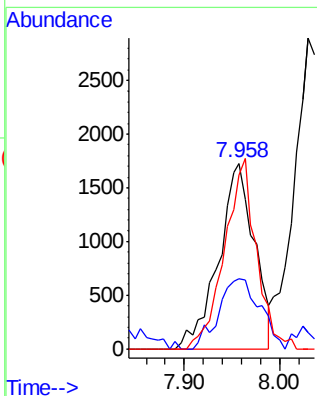
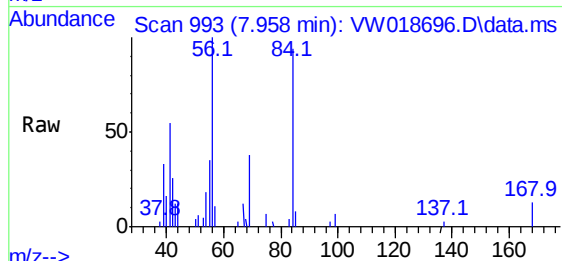




#29
Cyclohexane
Concen: 0.82 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

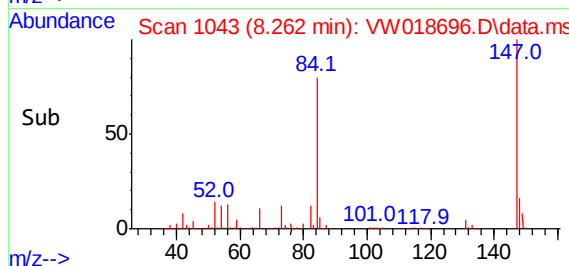
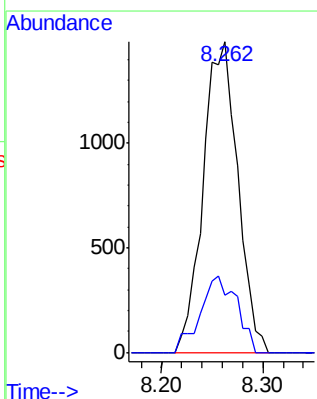
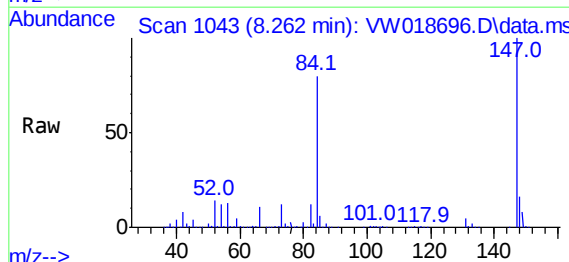
Instrument :
MSVOA_W
ClientSampled :
BG570

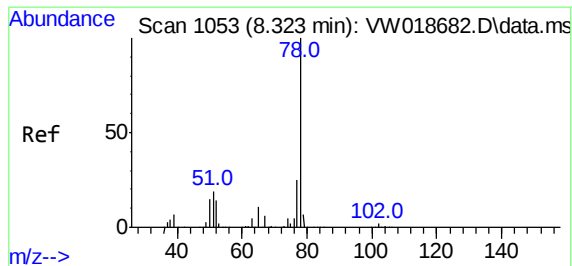
Tgt Ion: 56 Resp: 4518
Ion Ratio Lower Upper
56 100
69 40.1 24.5 36.7#
84 90.5 75.0 112.4



#31
Carbon tetrachloride
Concen: 0.79 ug/L
RT: 8.262 min Scan# 1043
Delta R.T. 0.195 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Tgt Ion: 117 Resp: 3499
Ion Ratio Lower Upper
117 100
119 11.0 76.5 114.7#

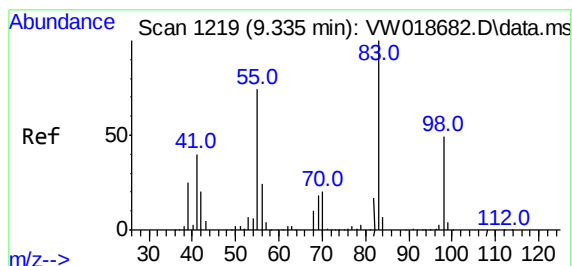
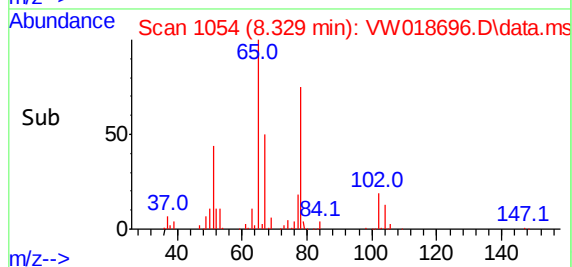
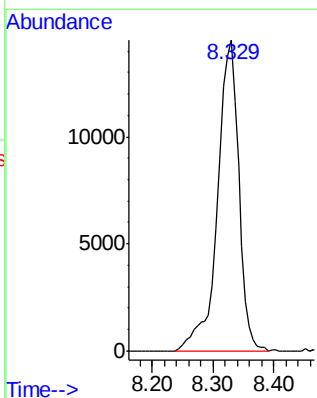
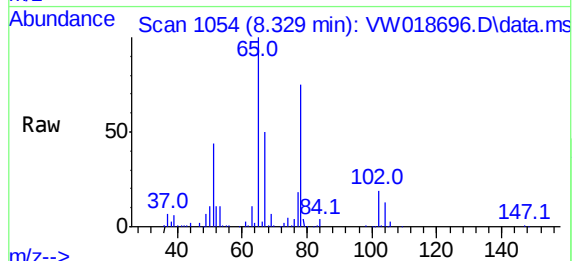




#33
Benzene
Concen: 2.50 ug/L
RT: 8.329 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Instrument :
MSVOA_W
ClientSampled :
BG570

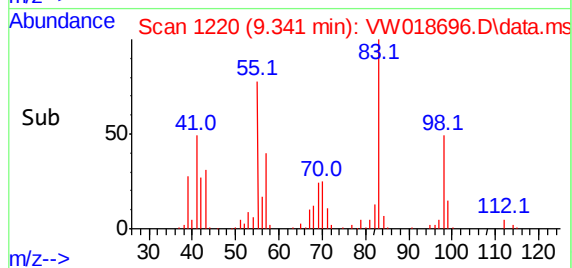
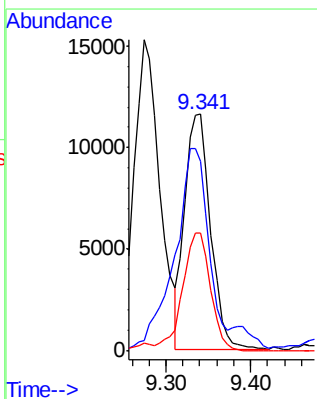
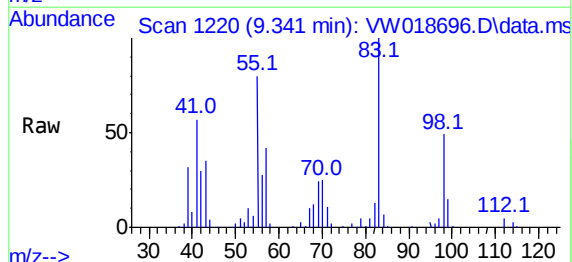
Tgt Ion: 78 Resp: 35136

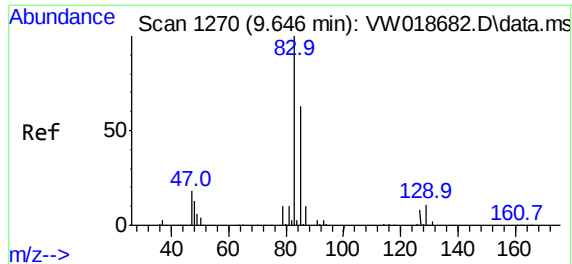


#35
Methylcyclohexane
Concen: 3.85 ug/L
RT: 9.341 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Tgt Ion: 83 Resp: 24210

Ion	Ratio	Lower	Upper
83	100		
55	111.9	58.9	88.3#
98	53.7	40.1	60.1

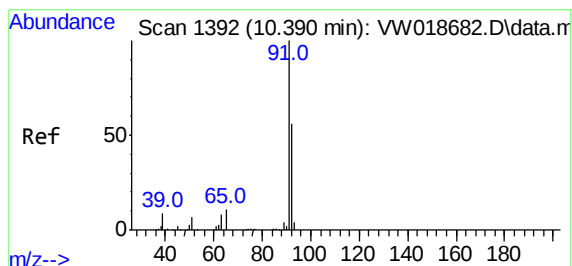
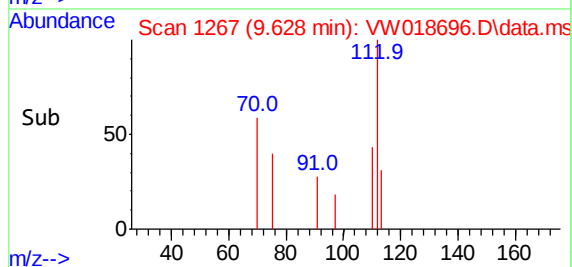
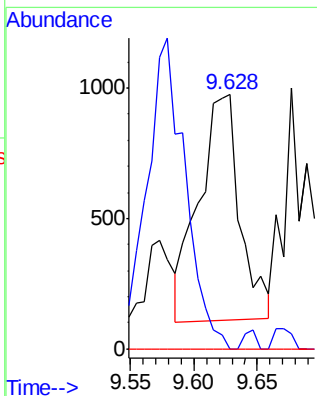
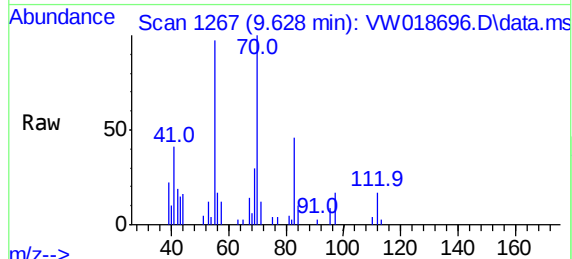




#38
Bromodichloromethane
Concen: 0.42 ug/L
RT: 9.628 min Scan# 1267
Delta R.T. -0.018 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

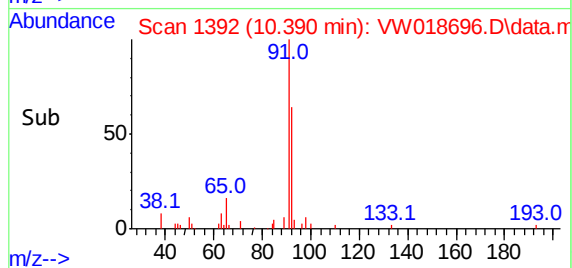
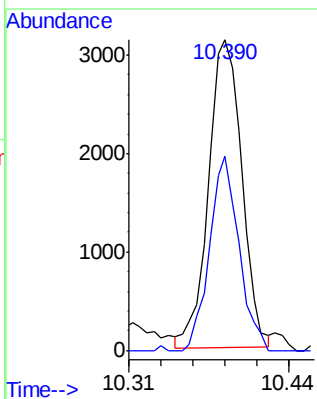
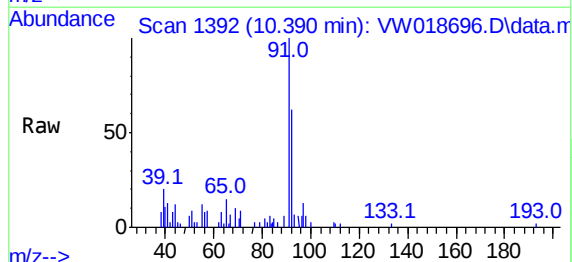
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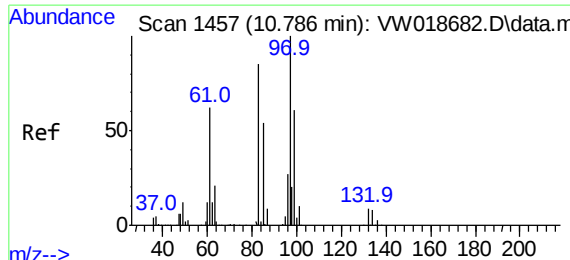
Tgt Ion: 83 Resp: 1918
Ion Ratio Lower Upper
83 100
85 0.0 42.3 78.5#
127 0.0 6.6 9.8#



#42
Toluene
Concen: 0.41 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Tgt Ion: 91 Resp: 6185
Ion Ratio Lower Upper
91 100
92 62.4 39.5 73.3



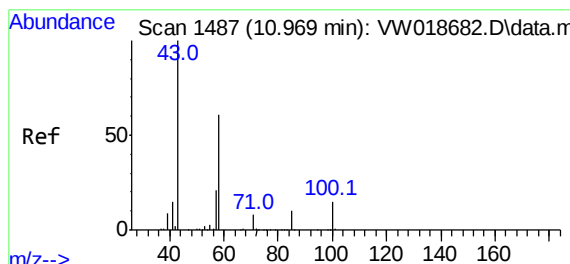
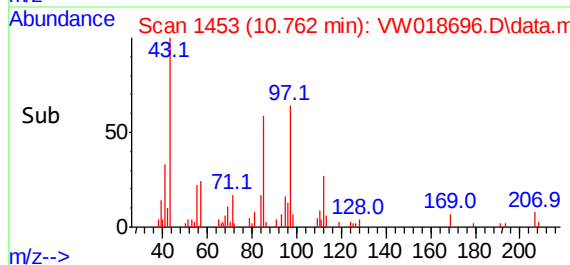
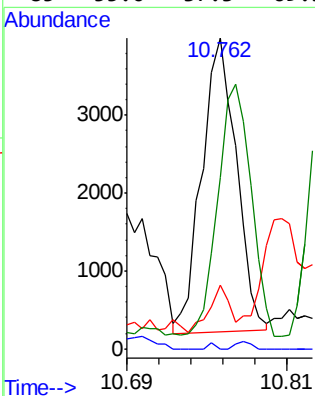
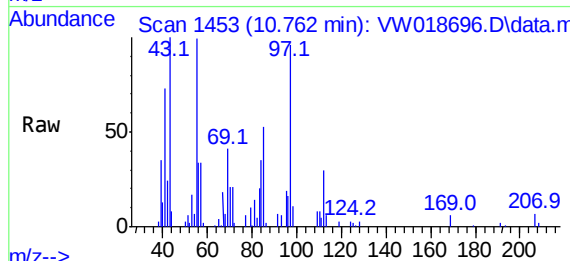


#45
1,1,2-Trichloroethane
Concen: 2.64 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Instrument :
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ClientSampled :
BG570

Tgt Ion: 97 Resp: 6976

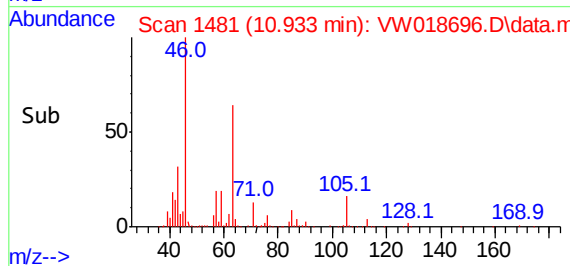
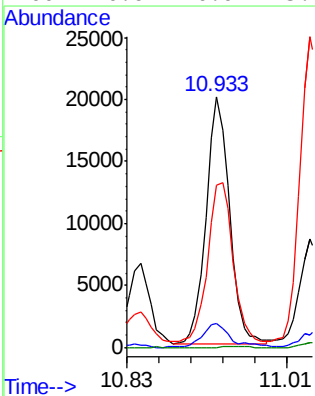
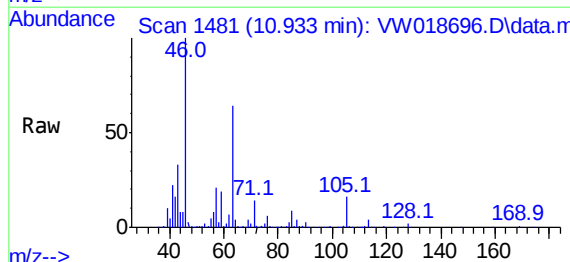
Ion	Ratio	Lower	Upper
97	100		
99	0.0	45.1	83.7#
83	20.4	58.1	107.9#
85	55.0	37.3	69.3

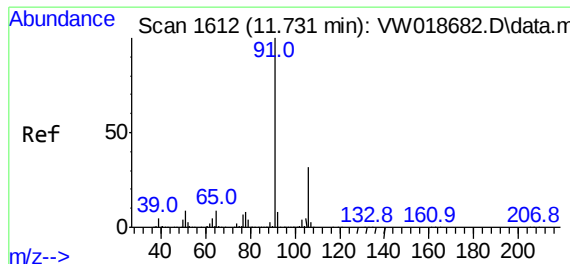


#48
2-Hexanone
Concen: 26.10 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.036 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Tgt Ion: 43 Resp: 36087

Ion	Ratio	Lower	Upper
43	100		
58	9.6	42.7	64.1#
57	68.8	15.8	23.8#
100	0.6	10.0	15.0#

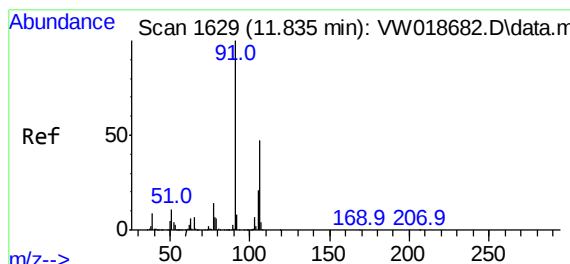
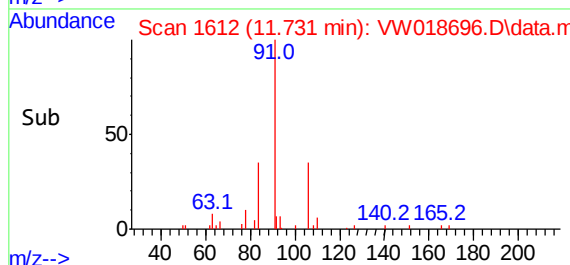
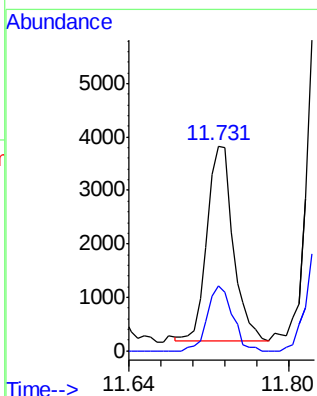
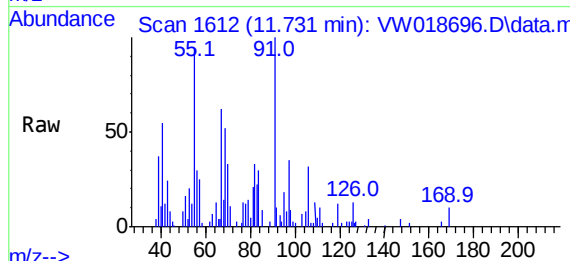




#52
Ethylbenzene
Concen: 0.39 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

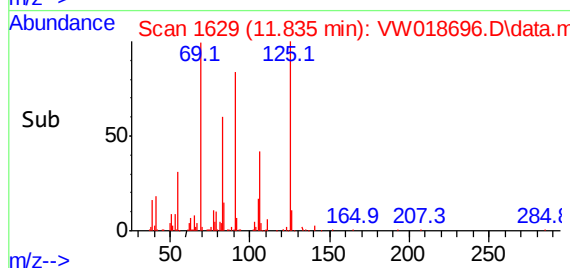
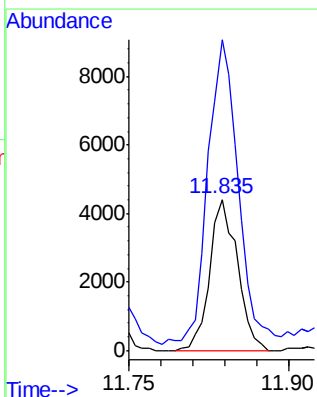
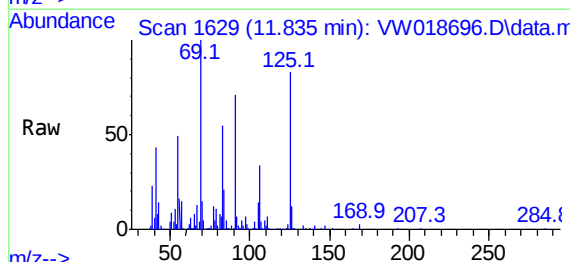
Instrument :
MSVOA_W
ClientSampled :
BG570

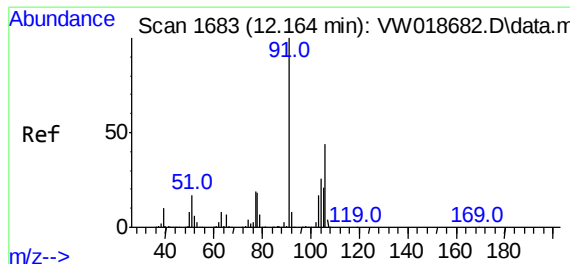
Tgt Ion: 91 Resp: 6445
Ion Ratio Lower Upper
91 100
106 31.7 22.5 41.7



#53
m,p-Xylene
Concen: 1.27 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Tgt Ion: 106 Resp: 7768
Ion Ratio Lower Upper
106 100
91 206.1 141.3 262.3

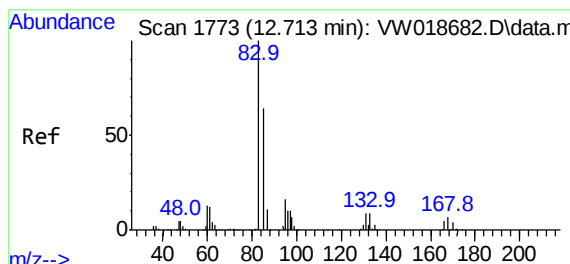
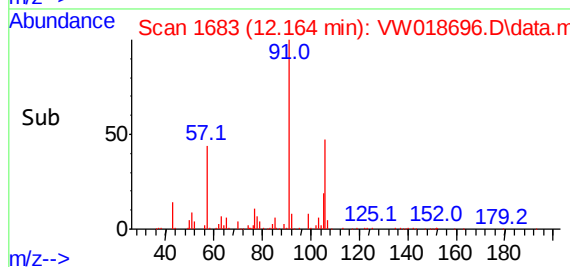
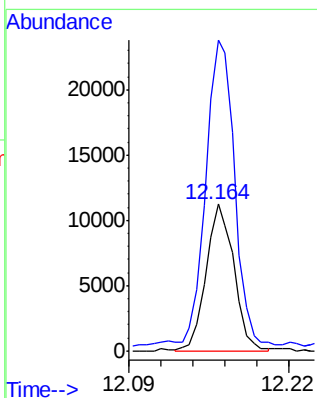
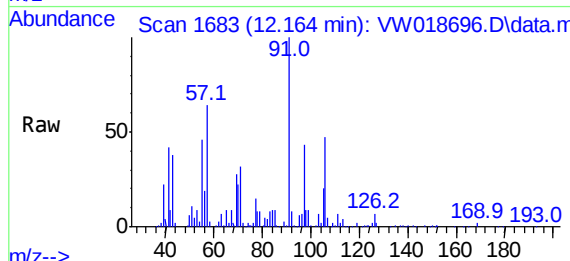




#54
o-Xylene
Concen: 3.16 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

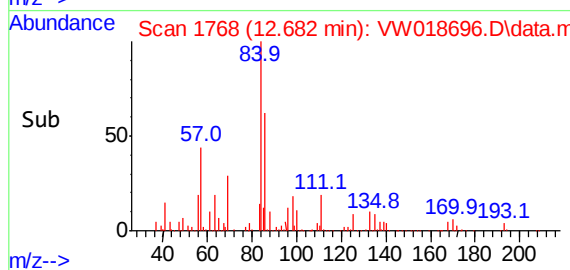
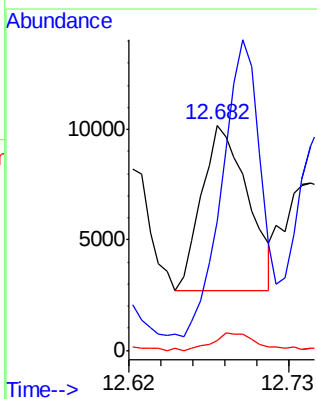
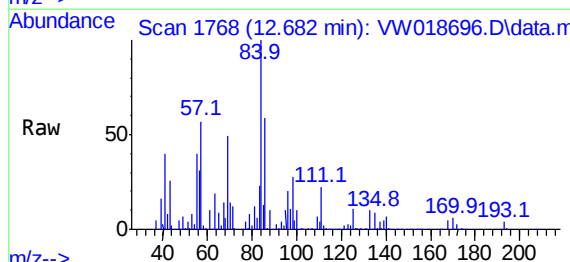
Instrument :
MSVOA_W
ClientSampled :
BG570

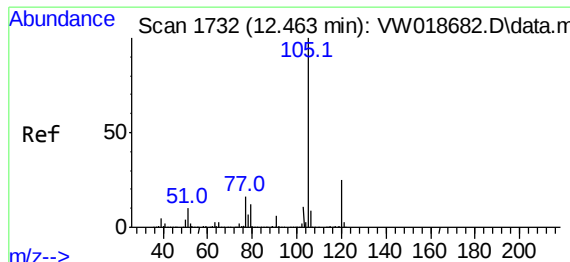
Tgt Ion: 106 Resp: 18548
Ion Ratio Lower Upper
106 100
91 212.2 150.0 278.6



#57
1,1,2,2-Tetrachloroethane
Concen: 5.24 ug/L
RT: 12.682 min Scan# 1768
Delta R.T. -0.030 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Tgt Ion: 83 Resp: 17235
Ion Ratio Lower Upper
83 100
85 57.3 44.4 82.4
131 4.4 8.2 12.4#

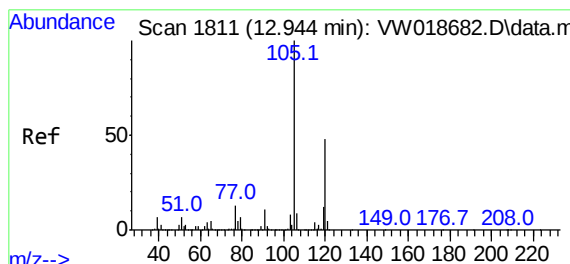
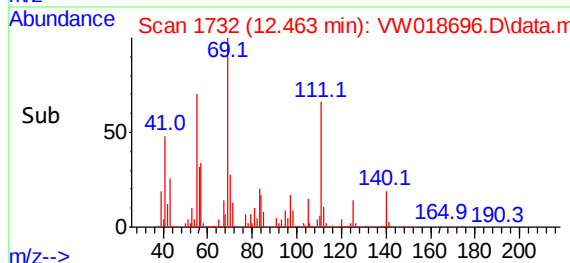
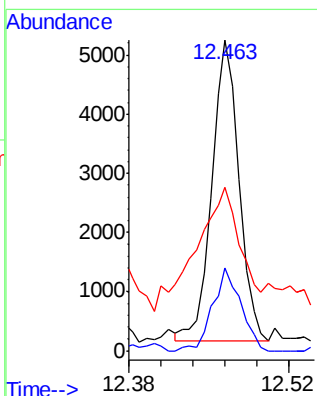
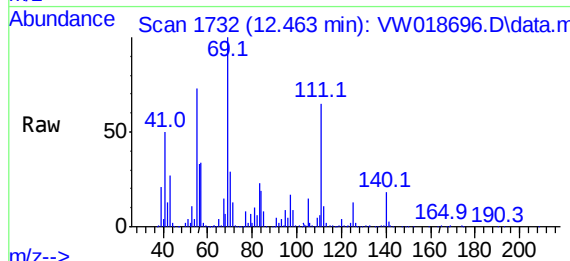




#60
Isopropylbenzene
Concen: 0.89 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

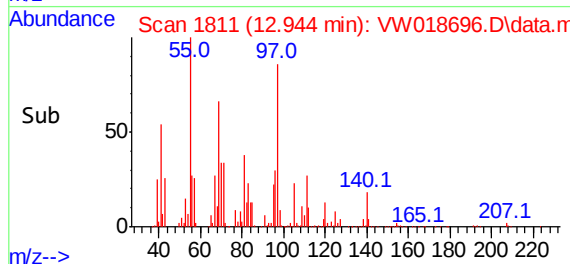
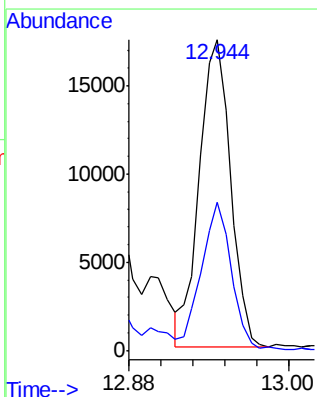
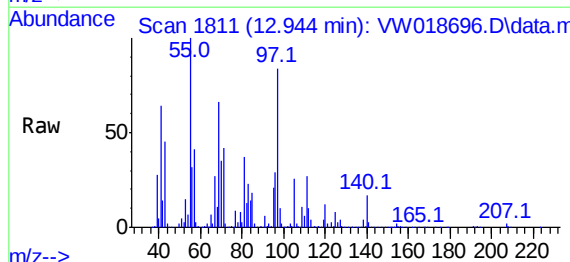
Instrument :
MSVOA_W
ClientSampled :
BG570

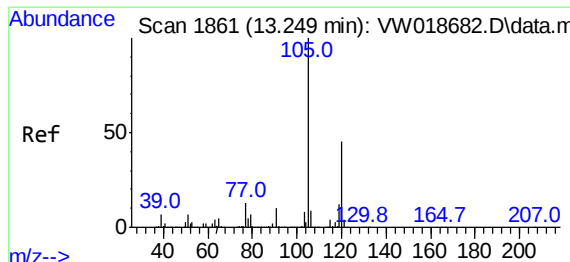
Tgt Ion:105 Resp: 8225
Ion Ratio Lower Upper
105 100
120 27.8 21.1 31.7
77 48.4 13.2 19.8#



#62
1,3,5-Trimethylbenzene
Concen: 3.58 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Tgt Ion:105 Resp: 27264
Ion Ratio Lower Upper
105 100
120 46.3 39.0 58.6

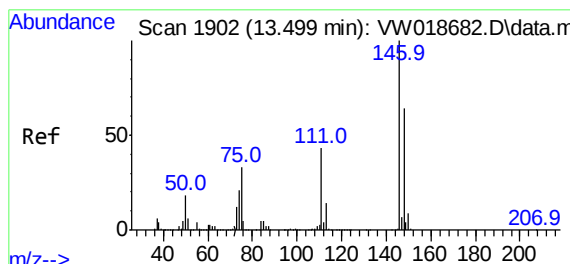
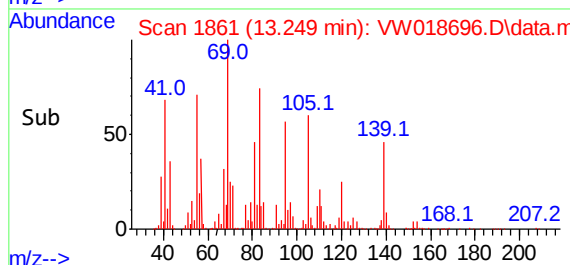
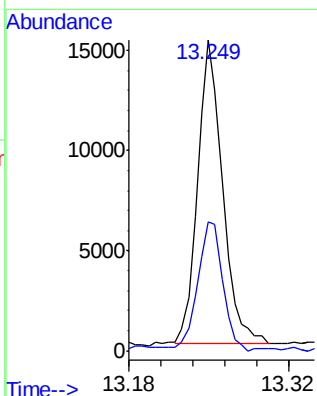
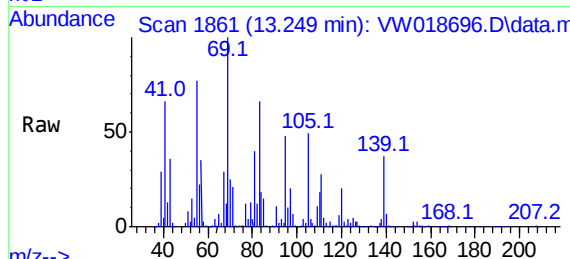




#63
1,2,4-Trimethylbenzene
Concen: 3.17 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

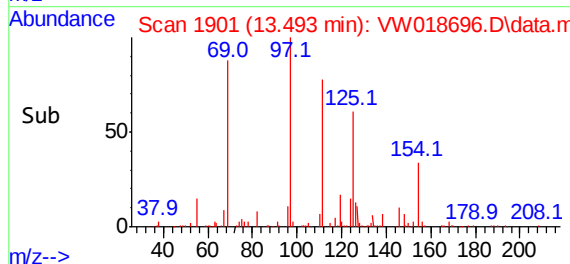
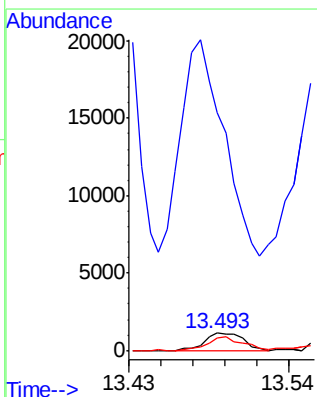
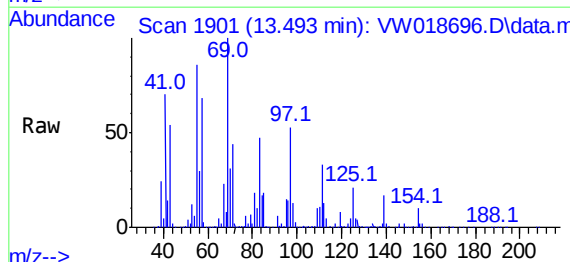
Instrument :
MSVOA_W
ClientSampleID :
BG570

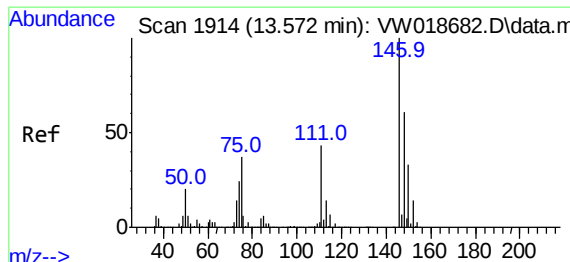
Tgt Ion:105 Resp: 24085
Ion Ratio Lower Upper
105 100
120 42.7 35.6 53.4



#64
1,3-Dichlorobenzene
Concen: 0.55 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.006 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Tgt Ion:146 Resp: 2147
Ion Ratio Lower Upper
146 100
111 1368.8 26.7 49.7#
148 71.1 41.1 76.3

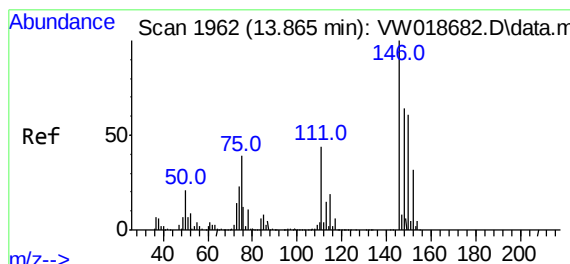
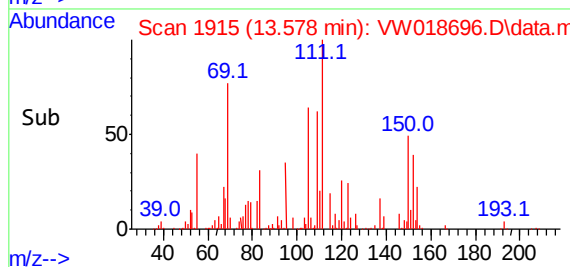
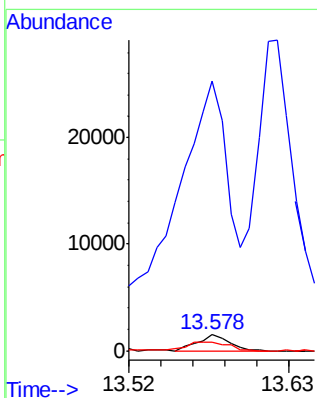
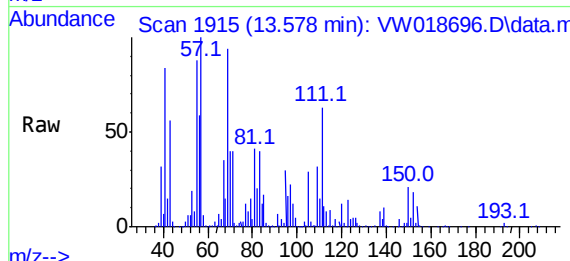




#65
1,4-Dichlorobenzene
Concen: 0.55 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

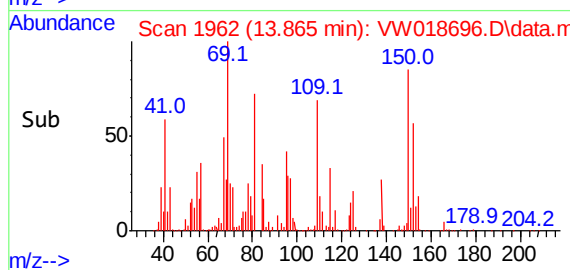
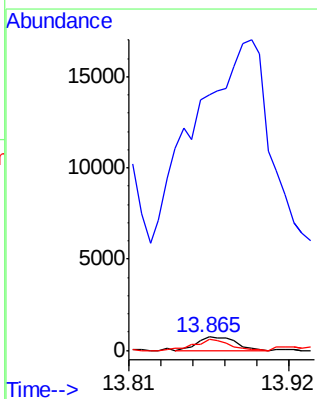
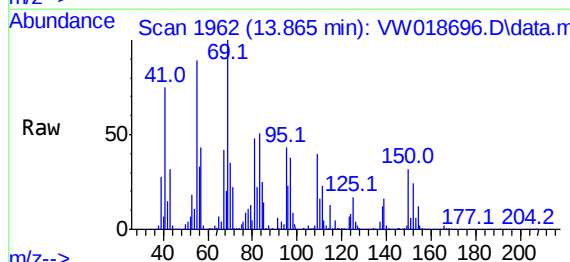
Instrument :
MSVOA_W
ClientSampled :
BG570

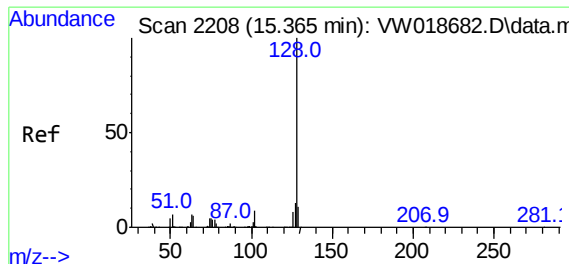
Tgt Ion:146 Resp: 2188
Ion Ratio Lower Upper
146 100
111 1704.0 28.8 53.4#
148 55.5 46.8 87.0



#67
1,2-Dichlorobenzene
Concen: 0.39 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. 0.000 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Tgt Ion:146 Resp: 1390
Ion Ratio Lower Upper
146 100
111 1950.5 33.2 49.8#
148 82.5 50.4 75.6#

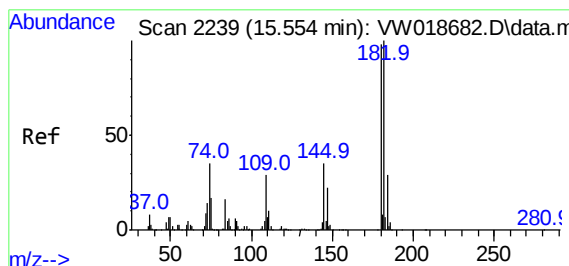
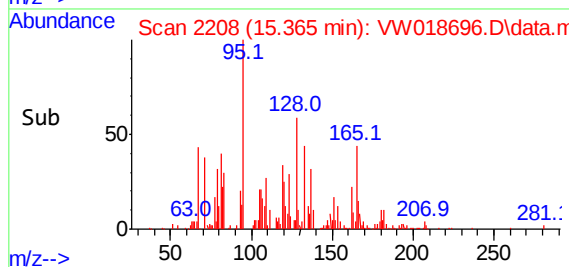
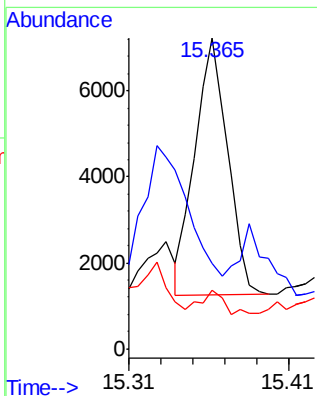
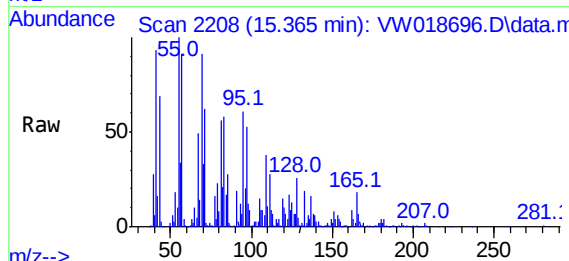




#71
Naphthalene
Concen: 1.87 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Instrument :
MSVOA_W
ClientSampled :
BG570

Tgt Ion:128 Resp: 8924
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 3.9 9.0 13.6#



#72
1,2,3-Trichlorobenzene
Concen: 1.73 ug/L
RT: 15.572 min Scan# 2242
Delta R.T. 0.019 min
Lab File: VW018696.D
Acq: 20 Apr 2021 17:12

Tgt Ion:180 Resp: 3465
Ion Ratio Lower Upper
180 100
182 0.0 76.7 115.1#
145 326.0 28.9 43.3#

