

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
 Data File : VW018693.D
 Acq On : 20 Apr 2021 16:00
 Operator : SY/VA
 Sample : M2065-14
 Misc : 3.43G/10ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG567

Quant Time: Apr 21 01:30:17 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	318184	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	185808	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	55921	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	69795	14.43	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	57.72%		
7) Chloroethane-d5	2.891	69	69056	16.11	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	64.44%		
11) 1,1-Dichloroethene-d2	4.019	63	88012	10.48	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	41.92%#		
21) 2-Butanone-d5	7.080	46	97142	88.26	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	176.52%#		
24) Chloroform-d	7.653	84	193727	22.19	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	88.76%		
26) 1,2-Dichloroethane-d4	8.311	65	123402	25.14	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	100.56%		
32) Benzene-d6	8.275	84	314664	28.87	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	115.48%		
36) 1,2-Dichloropropane-d6	9.274	67	116388	35.43	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	141.72%#		
41) Toluene-d8	10.323	98	205790	20.64	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	82.56%		
43) trans-1,3-Dichloroprop...	10.579	79	20576	14.71	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	58.84%		
47) 2-Hexanone-d5	10.926	63	75172	131.61	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	263.22%#		
56) 1,1,2,2-Tetrachloroeth...	12.694	84	95107	34.67	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	138.68%#		
66) 1,2-Dichlorobenzene-d4	13.853	152	42275	21.52	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	86.08%		
Target Compounds					Qvalue	
13) Acetone	4.135	43	24825	31.07	ug/L	86
14) Carbon disulfide	4.391	76	22972	1.85	ug/L	96
16) Methylene chloride	4.921	84	34439	6.60	ug/L	93
22) 2-Butanone	7.183	43	9600	7.91	ug/L	97
29) Cyclohexane	7.958	56	6089	1.33	ug/L #	93
33) Benzene	8.329	78	11267	0.97	ug/L	100
35) Methylcyclohexane	9.341	83	36659	7.02	ug/L #	76
40) 4-Methyl-2-pentanone	10.213	43	5611	3.09	ug/L	99
42) Toluene	10.390	91	4561	0.36	ug/L	98
45) 1,1,2-Trichloroethane	10.762	97	11516	5.26	ug/L #	32
48) 2-Hexanone	10.933	43	57223	49.88	ug/L #	29
52) Ethylbenzene	11.731	91	4173	0.30	ug/L	100
53) m,p-Xylene	11.835	106	4196	0.83	ug/L	92
54) o-Xylene	12.164	106	5526	1.13	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.682	83	21671	7.94	ug/L #	79
60) Isopropylbenzene	13.103	105	23488	2.86	ug/L	92
62) 1,3,5-Trimethylbenzene	12.944	105	19496	2.86	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	14889	2.19	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.420	75	1234	4.65	ug/L #	56
70) 1,2,4-trichlorobenzene	15.115	180	1894	0.94	ug/L #	1

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018693.D
Acq On : 20 Apr 2021 16:00
Operator : SY/VA
Sample : M2065-14
Misc : 3.43G/10ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG567

Quant Time: Apr 21 01:30:17 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

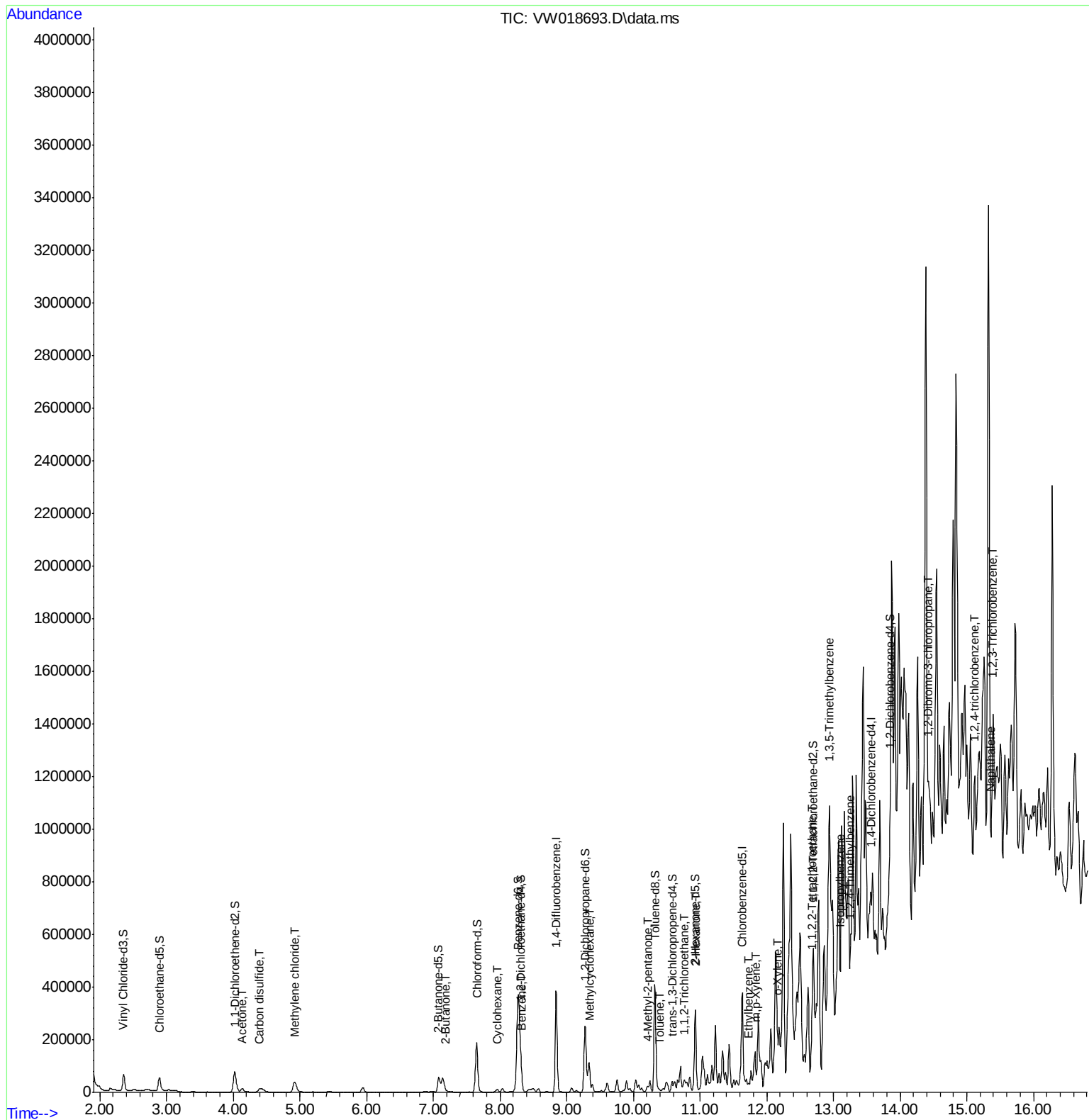
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.365	128	34800	8.15	ug/L #	78
72) 1,2,3-Trichlorobenzene	15.389	180	2990	1.67	ug/L	86

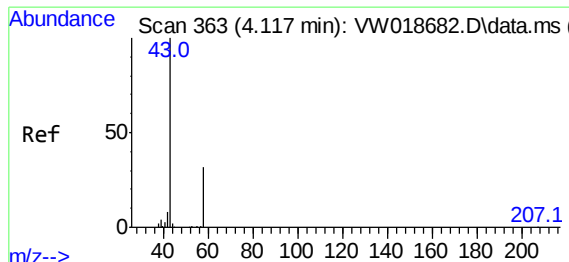
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
Data File : VW018693.D
Acq On : 20 Apr 2021 16:00
Operator : SY/VA
Sample : M2065-14
Misc : 3.43G/10ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BG567

Quant Time: Apr 21 01:30:17 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

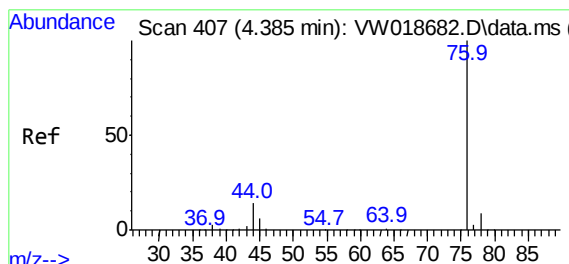
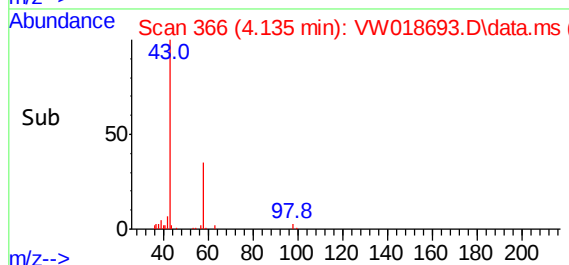
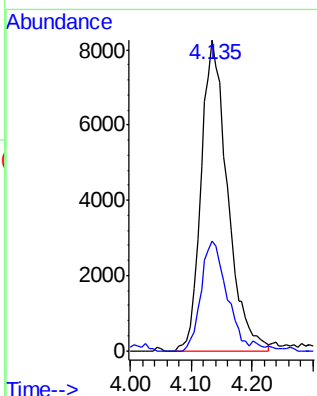
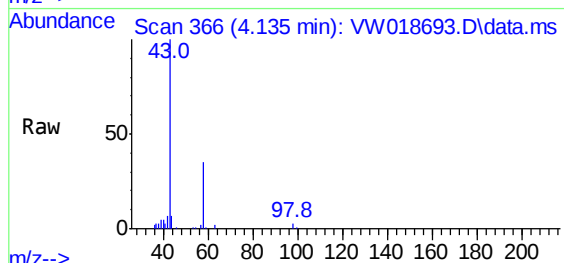




#13
Acetone
Concen: 31.07 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.018 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

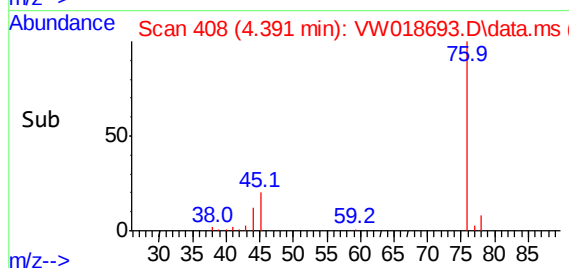
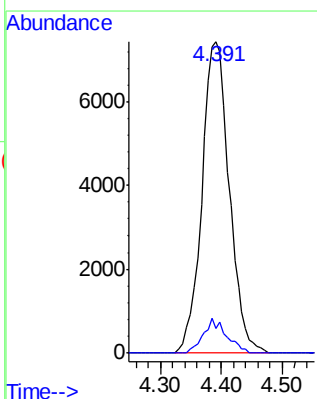
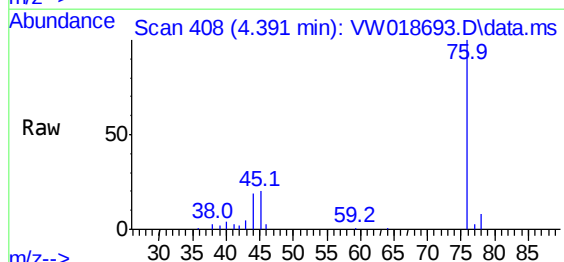
Instrument :
MSVOA_W
ClientSampled :
BG567

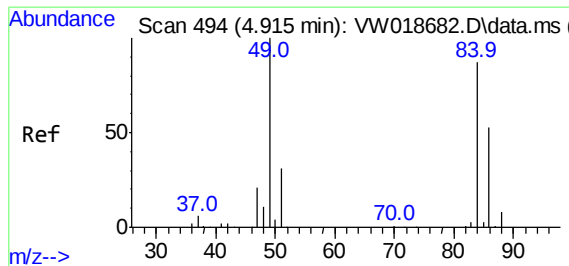
Tgt Ion: 43 Resp: 24825
Ion Ratio Lower Upper
43 100
58 34.1 0.0 53.8



#14
Carbon disulfide
Concen: 1.85 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

Tgt Ion: 76 Resp: 22972
Ion Ratio Lower Upper
76 100
78 7.8 7.4 11.0

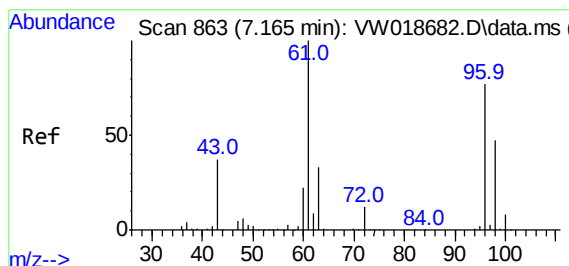
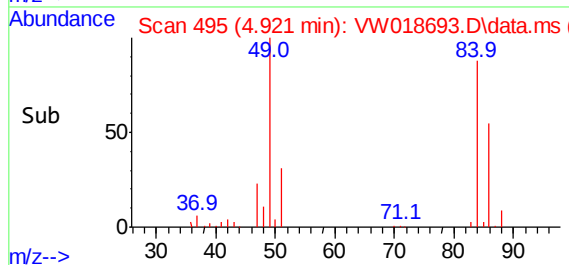
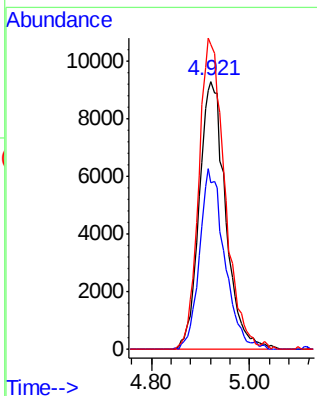
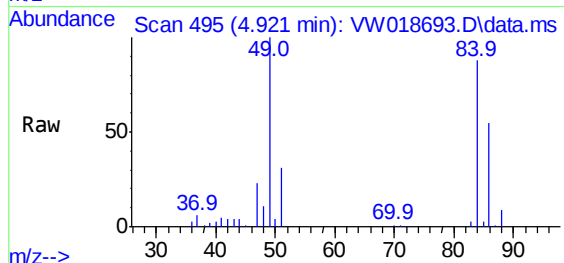




#16
Methylene chloride
Concen: 6.60 ug/L
RT: 4.921 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

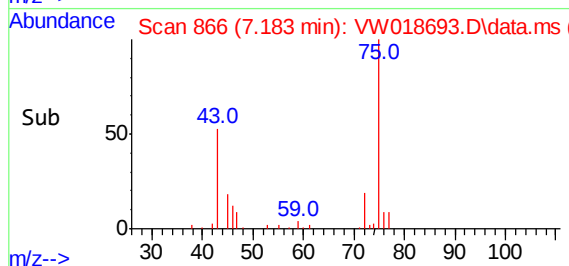
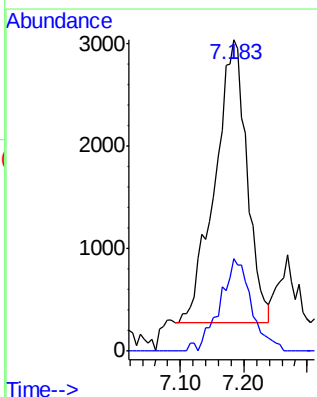
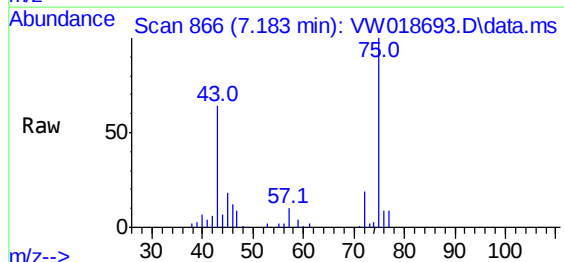
Instrument :
MSVOA_W
ClientSampled :
BG567

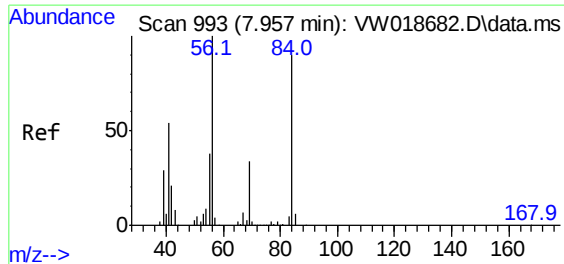
Tgt Ion: 84 Resp: 34439
Ion Ratio Lower Upper
84 100
86 62.3 45.3 84.1
49 113.8 86.6 160.8



#22
2-Butanone
Concen: 7.91 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.018 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

Tgt Ion: 43 Resp: 9600
Ion Ratio Lower Upper
43 100
72 31.3 14.9 44.7

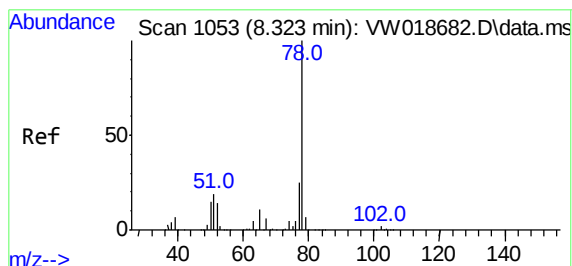
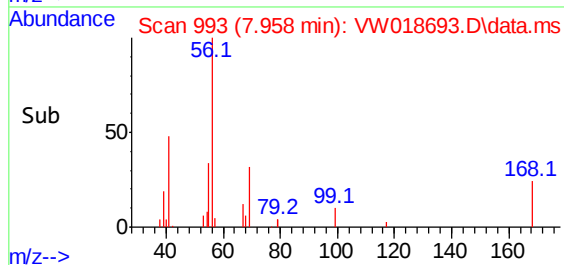
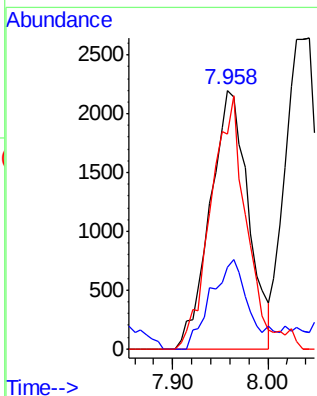
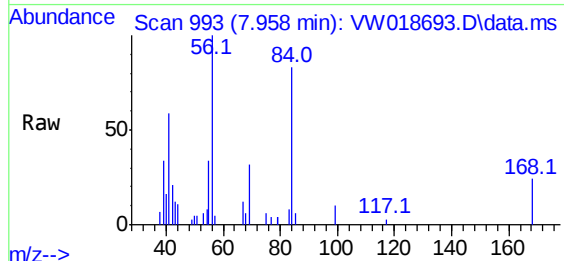




#29
Cyclohexane
Concen: 1.33 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

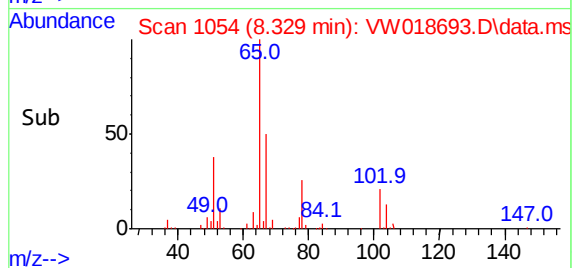
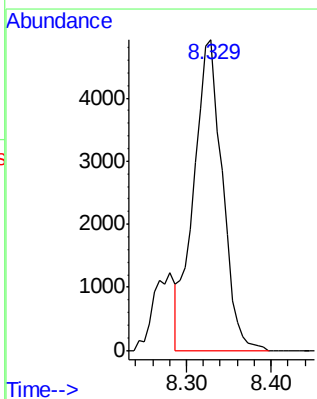
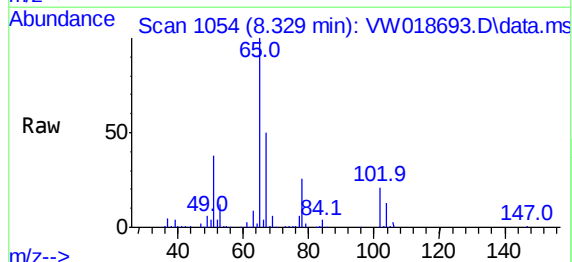
Instrument :
MSVOA_W
ClientSampled :
BG567

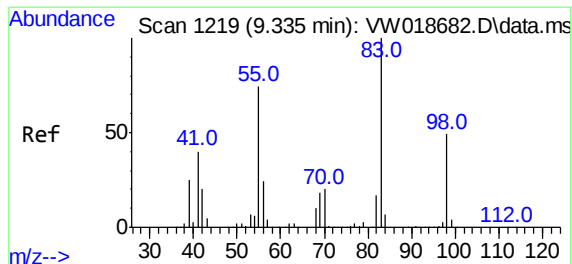
Tgt Ion: 56 Resp: 6089
Ion Ratio Lower Upper
56 100
69 22.6 24.5 36.7#
84 89.4 75.0 112.4



#33
Benzene
Concen: 0.97 ug/L
RT: 8.329 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

Tgt Ion: 78 Resp: 11267

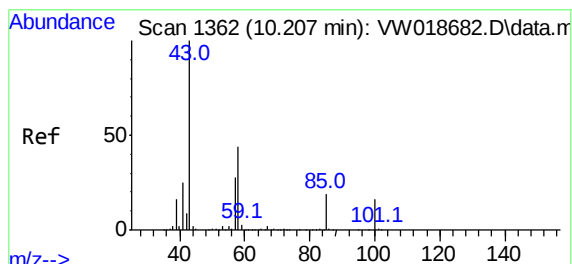
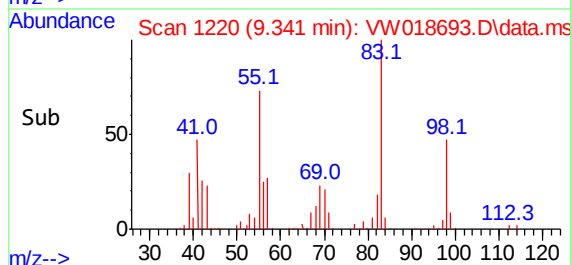
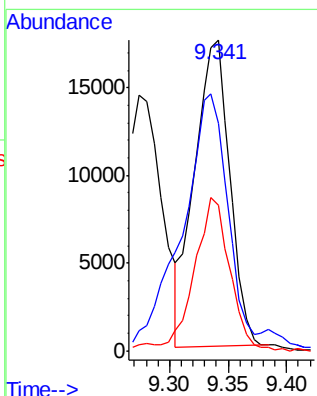
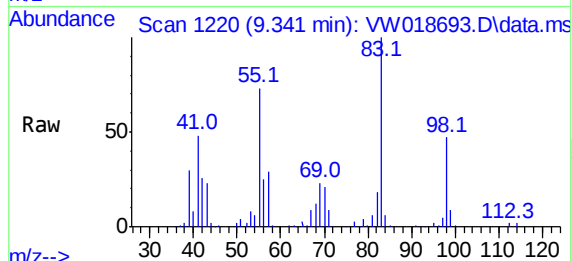




#35
Methylcyclohexane
Concen: 7.02 ug/L
RT: 9.341 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

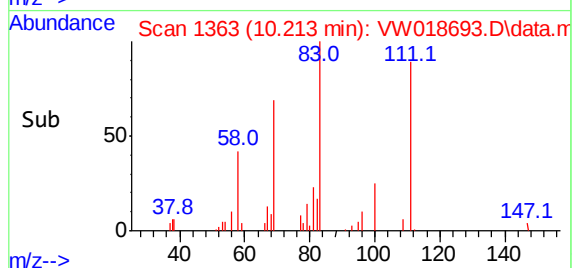
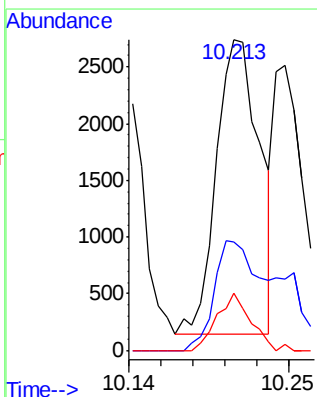
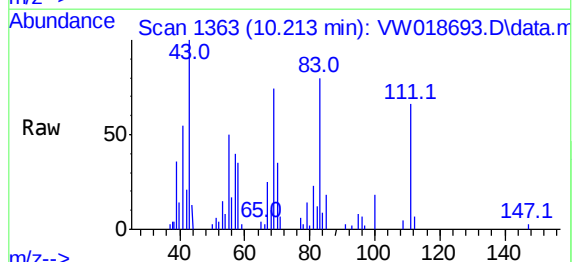
Instrument :
MSVOA_W
ClientSampleId :
BG567

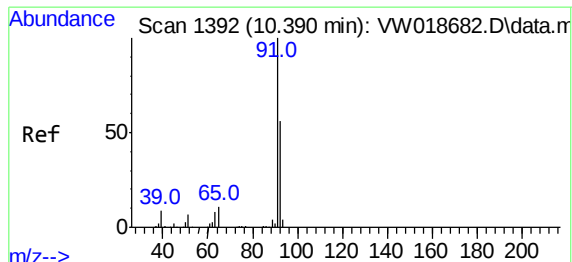
Tgt Ion: 83 Resp: 36659
Ion Ratio Lower Upper
83 100
55 106.7 58.9 88.3#
98 49.8 40.1 60.1



#40
4-Methyl-2-pentanone
Concen: 3.09 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

Tgt Ion: 43 Resp: 5611
Ion Ratio Lower Upper
43 100
58 38.5 31.0 46.4
100 15.1 13.0 19.6





#42

Toluene

Concen: 0.36 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. 0.000 min

Lab File: VW018693.D

Acq: 20 Apr 2021 16:00

Tgt Ion: 91 Resp: 4561

Ion Ratio Lower Upper

91 100

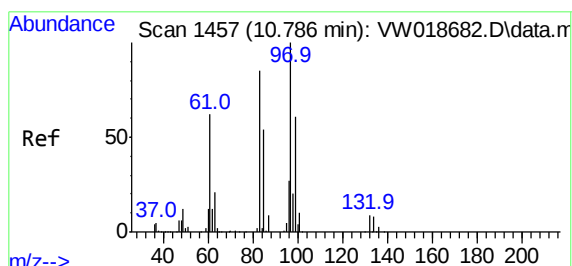
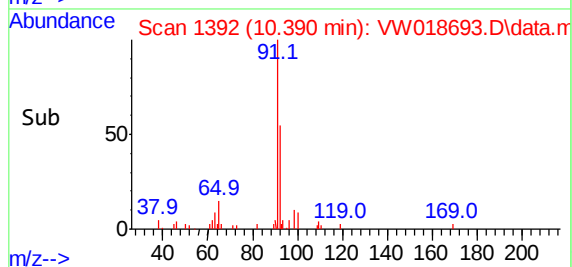
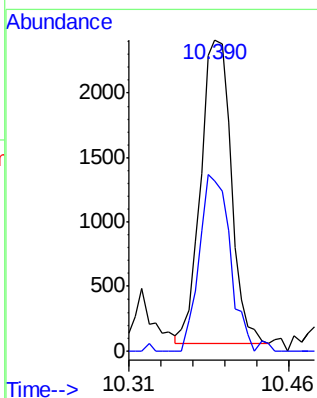
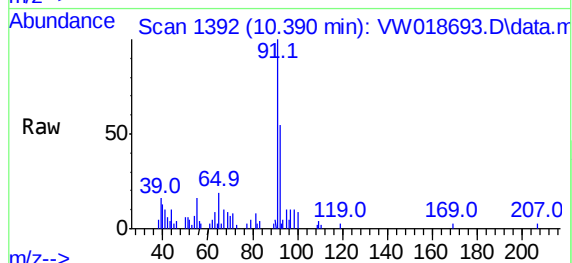
92 54.9 39.5 73.3

Instrument :

MSVOA_W

ClientSampled :

BG567



#45

1,1,2-Trichloroethane

Concen: 5.26 ug/L

RT: 10.762 min Scan# 1453

Delta R.T. -0.024 min

Lab File: VW018693.D

Acq: 20 Apr 2021 16:00

Tgt Ion: 97 Resp: 11516

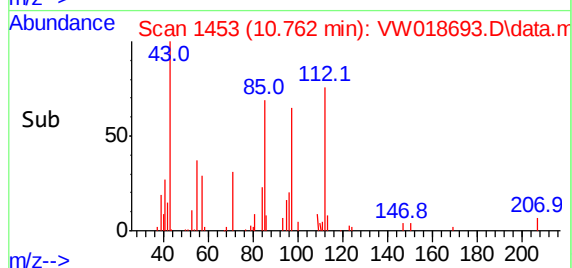
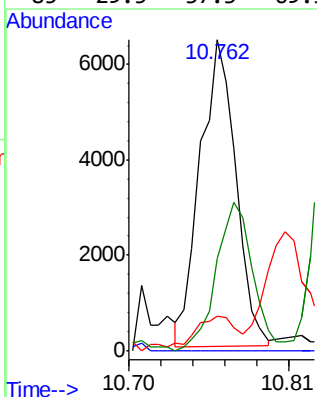
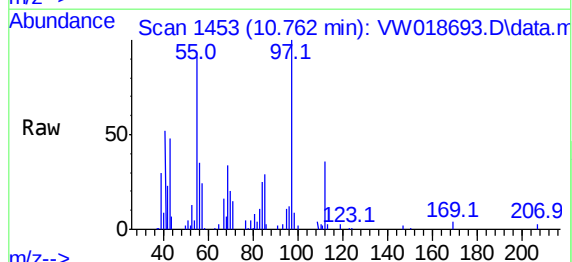
Ion Ratio Lower Upper

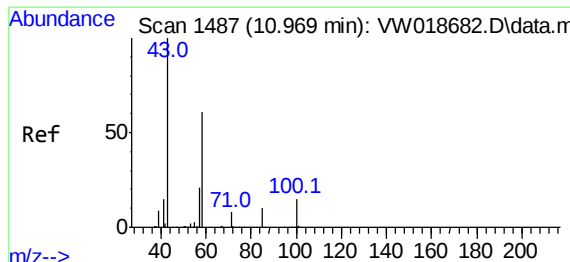
97 100

99 0.0 45.1 83.7#

83 11.0 58.1 107.9#

85 29.5 37.3 69.3#



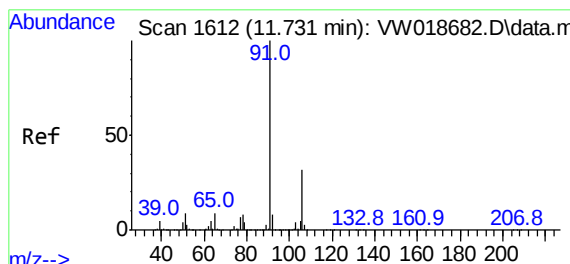
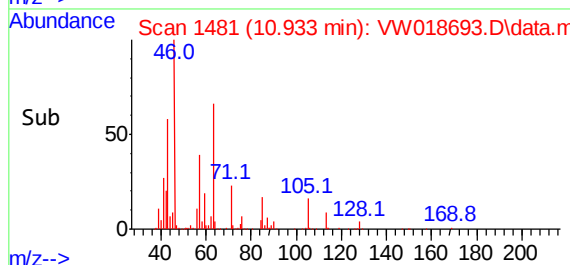
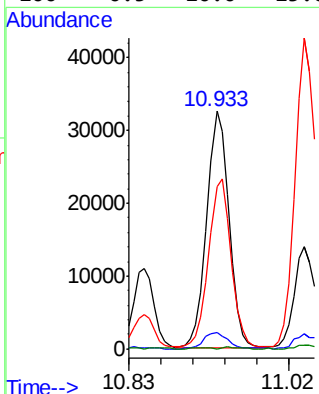
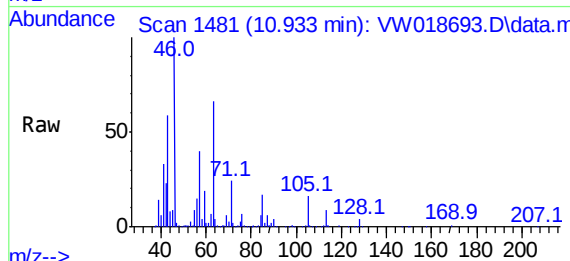


#48
2-Hexanone
Concen: 49.88 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.036 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

Instrument :
MSVOA_W
ClientSampleId :
BG567

Tgt Ion: 43 Resp: 57223

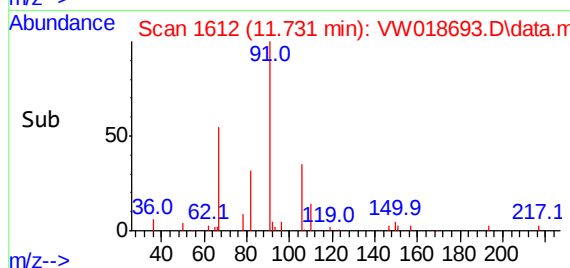
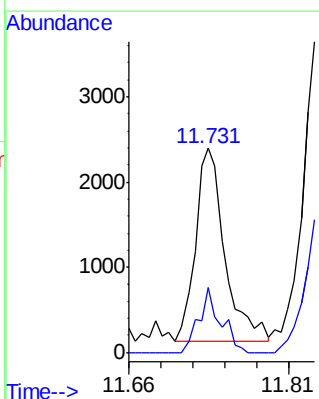
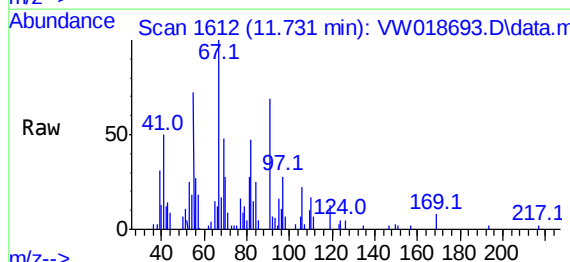
Ion	Ratio	Lower	Upper
43	100		
58	7.6	42.7	64.1#
57	72.3	15.8	23.8#
100	0.5	10.0	15.0#

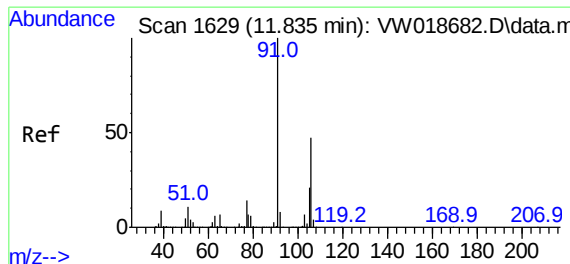


#52
Ethylbenzene
Concen: 0.30 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

Tgt Ion: 91 Resp: 4173

Ion	Ratio	Lower	Upper
91	100		
106	31.9	22.5	41.7

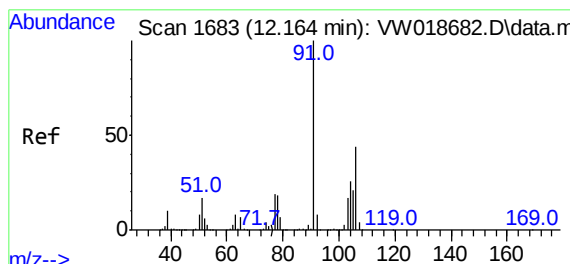
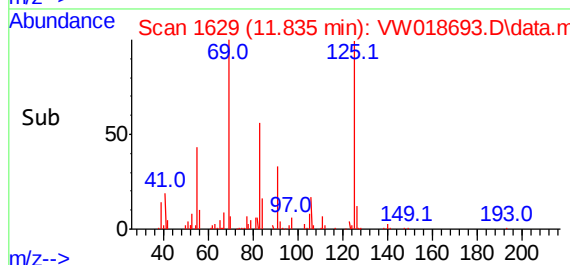
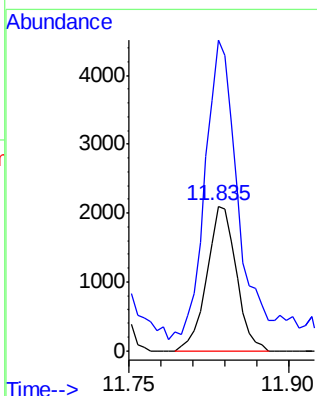
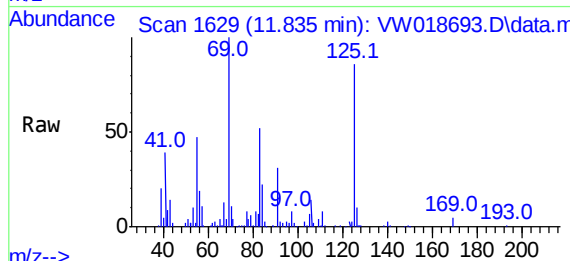




#53
m,p-Xylene
Concen: 0.83 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

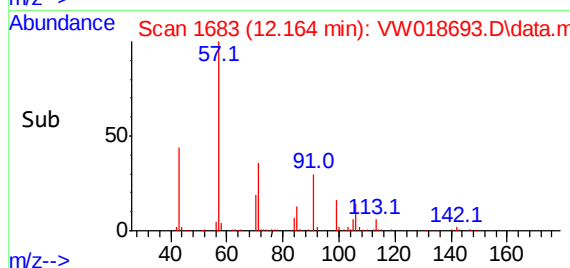
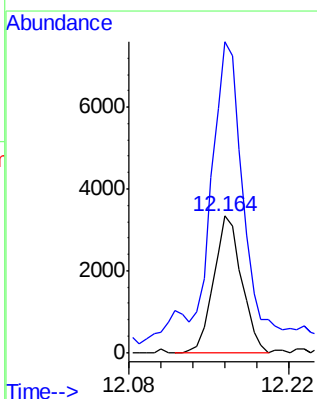
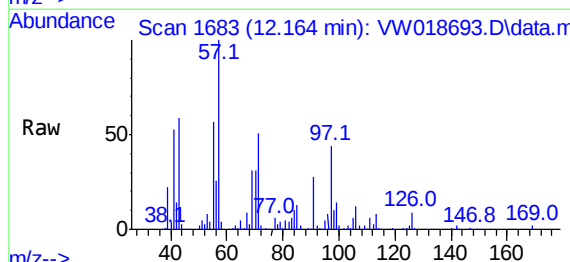
Instrument :
MSVOA_W
ClientSampled :
BG567

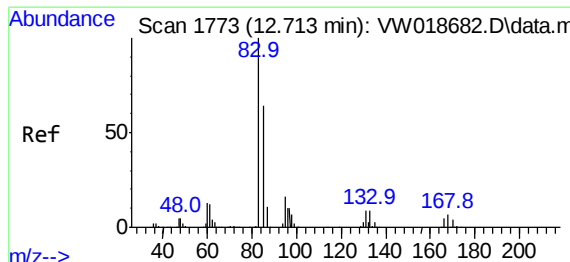
Tgt Ion:106 Resp: 4196
Ion Ratio Lower Upper
106 100
91 214.6 141.3 262.3



#54
o-Xylene
Concen: 1.13 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

Tgt Ion:106 Resp: 5526
Ion Ratio Lower Upper
106 100
91 228.2 150.0 278.6

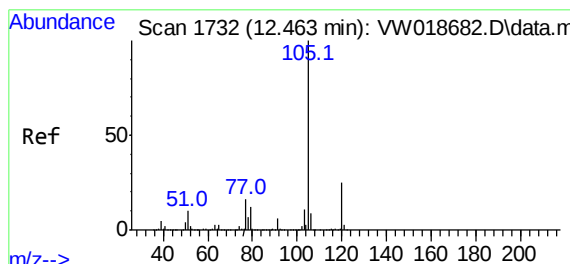
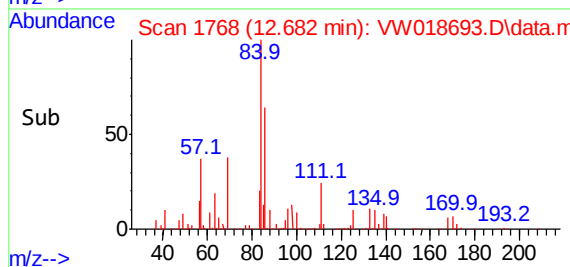
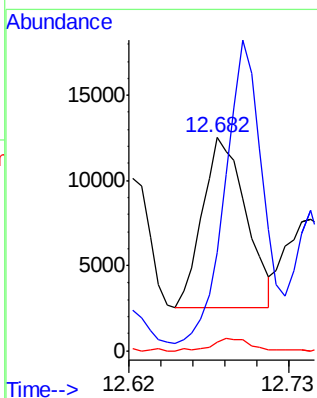
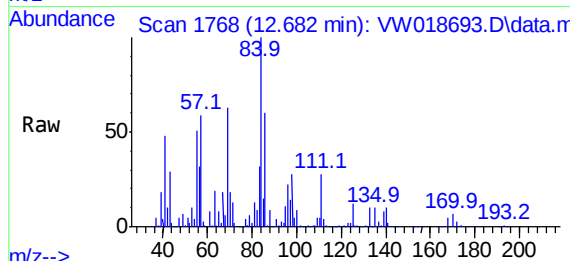




#57
1,1,2,2-Tetrachloroethane
Concen: 7.94 ug/L
RT: 12.682 min Scan# 1768
Delta R.T. -0.030 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

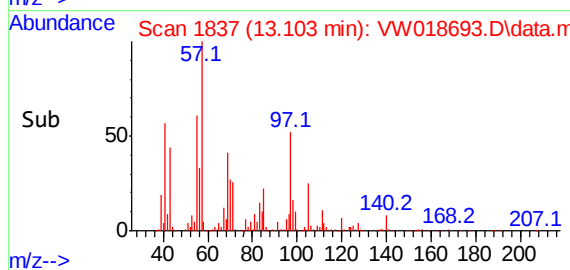
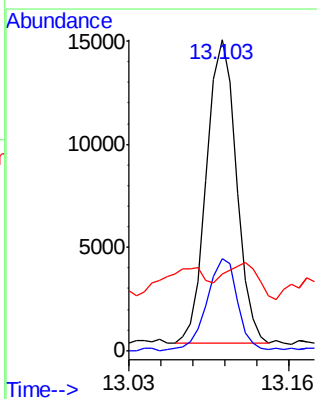
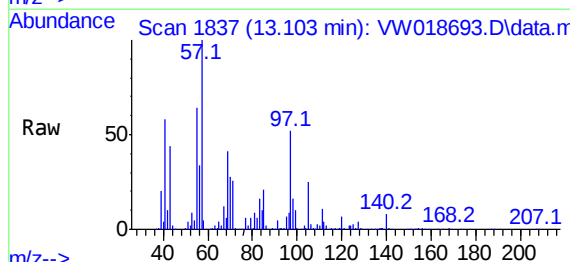
Instrument :
MSVOA_W
ClientSampleId :
BG567

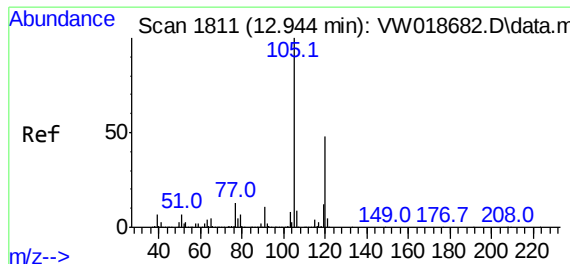
Tgt Ion:	83	Resp:	21671
Ion	Ratio	Lower	Upper
83	100		
85	46.1	44.4	82.4
131	3.8	8.2	12.4



#60
Isopropylbenzene
Concen: 2.86 ug/L
RT: 13.103 min Scan# 1837
Delta R.T. 0.640 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

Tgt Ion:	105	Resp:	23488
Ion	Ratio	Lower	Upper
105	100		
120	30.9	21.1	31.7
77	13.5	13.2	19.8

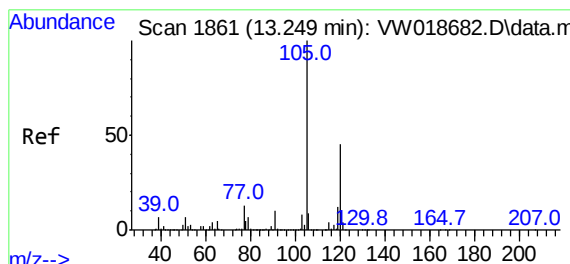
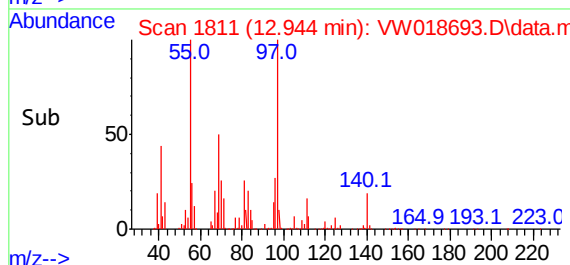
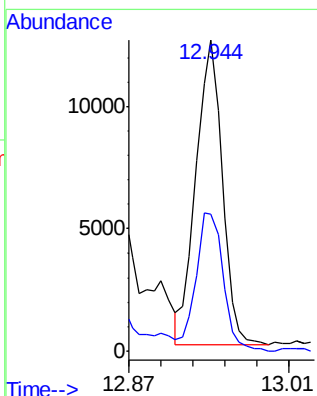
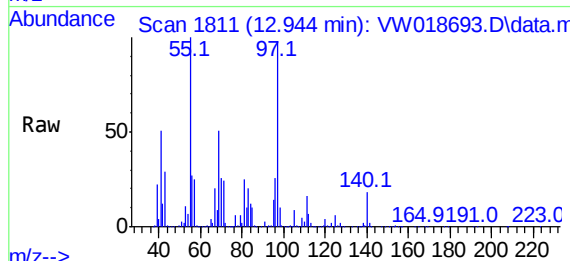




#62
1,3,5-Trimethylbenzene
Concen: 2.86 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

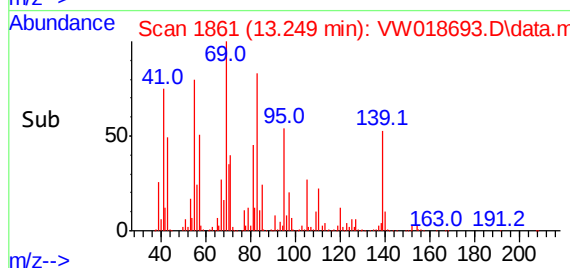
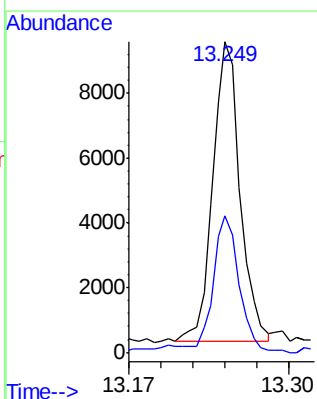
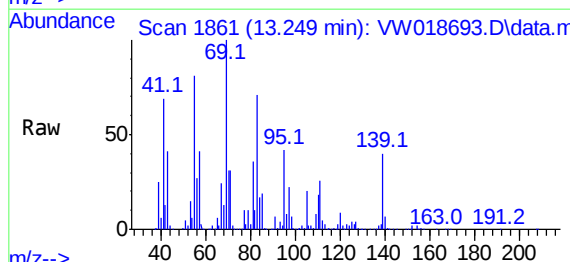
Instrument :
MSVOA_W
ClientSampleId :
BG567

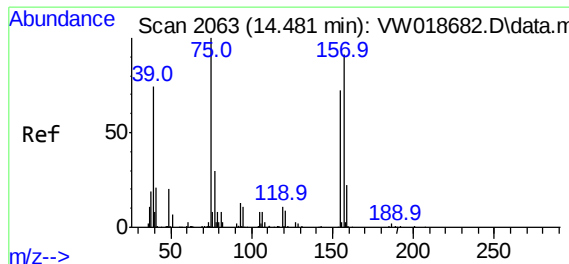
Tgt Ion:105 Resp: 19496
Ion Ratio Lower Upper
105 100
120 47.0 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 2.19 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

Tgt Ion:105 Resp: 14889
Ion Ratio Lower Upper
105 100
120 41.2 35.6 53.4

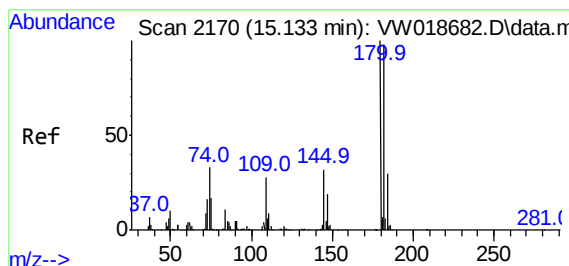
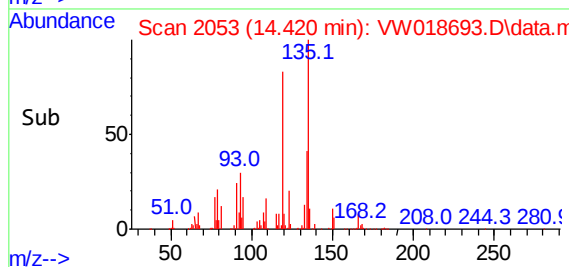
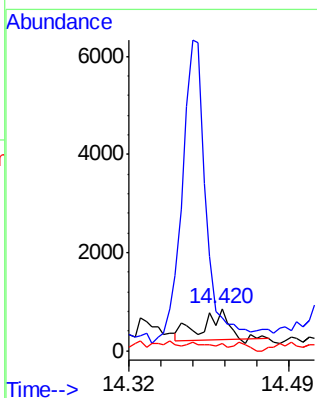
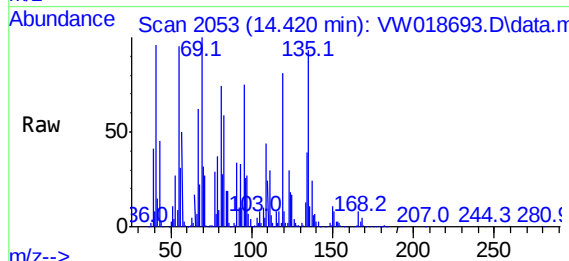




#68
 1,2-Dibromo-3-chloropropane
 Concen: 4.65 ug/L
 RT: 14.420 min Scan# 2053
 Delta R.T. -0.061 min
 Lab File: VW018693.D
 Acq: 20 Apr 2021 16:00

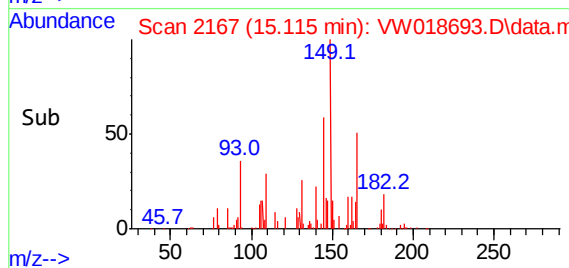
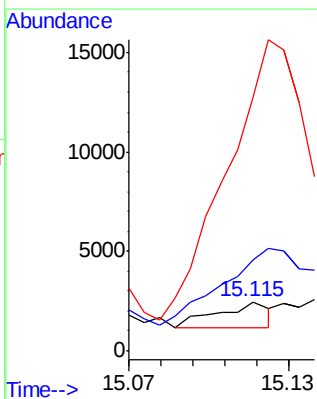
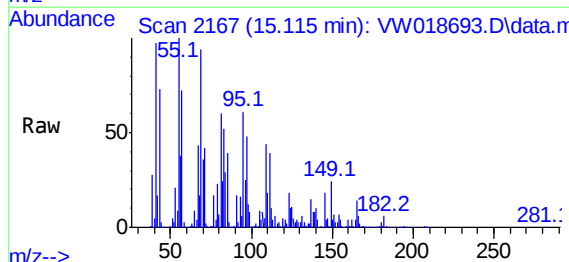
Instrument :
 MSVOA_W
 ClientSampleID :
 BG567

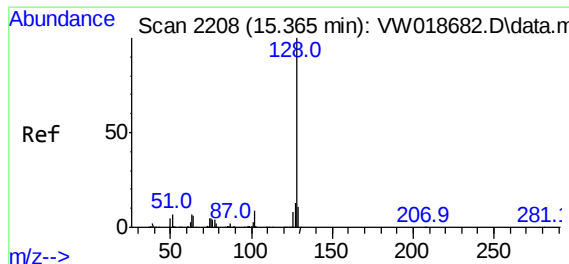
Tgt Ion:	75	Resp:	1234
Ion	Ratio	Lower	Upper
75	100		
155	78.1	59.4	89.0
157	18.2	72.2	108.2#



#70
 1,2,4-trichlorobenzene
 Concen: 0.94 ug/L
 RT: 15.115 min Scan# 2167
 Delta R.T. -0.018 min
 Lab File: VW018693.D
 Acq: 20 Apr 2021 16:00

Tgt Ion:	180	Resp:	1894
Ion	Ratio	Lower	Upper
180	100		
182	501.7	74.7	112.1#
145	1763.2	25.0	37.4#

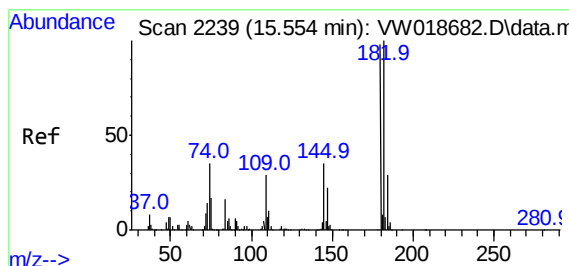
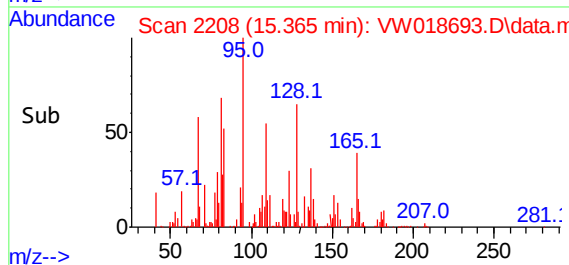
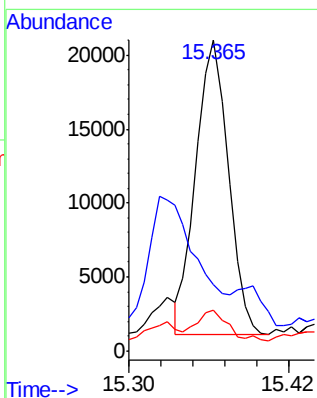
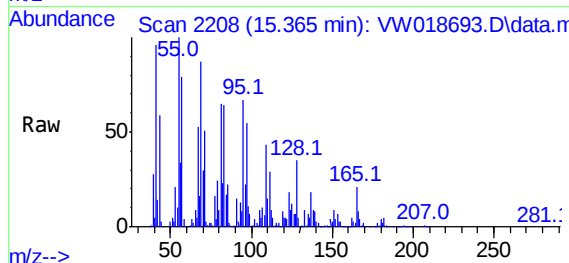




#71
Naphthalene
Concen: 8.15 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

Instrument :
MSVOA_W
ClientSampled :
BG567

Tgt Ion:128 Resp: 34800
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 7.9 9.0 13.6#



#72
1,2,3-Trichlorobenzene
Concen: 1.67 ug/L
RT: 15.389 min Scan# 2212
Delta R.T. -0.164 min
Lab File: VW018693.D
Acq: 20 Apr 2021 16:00

Tgt Ion:180 Resp: 2990
Ion Ratio Lower Upper
180 100
182 77.6 76.7 115.1
145 34.8 28.9 43.3

