

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042021\
 Data File : VW018694.D
 Acq On : 20 Apr 2021 16:24
 Operator : SY/VA
 Sample : M2065-15
 Misc : 3.22G/10ML/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG568

Quant Time: Apr 21 01:30:46 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	8.842	114	444638	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	270812	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	101232	25.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	96626	14.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.20%
7) Chloroethane-d5	2.892	69	82603	13.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	55.16%
11) 1,1-Dichloroethene-d2	4.019	63	109392	9.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	37.28%#
21) 2-Butanone-d5	7.080	46	87936	57.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.34%
24) Chloroform-d	7.653	84	231212	18.95	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	75.80%
26) 1,2-Dichloroethane-d4	8.305	65	141366	20.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.44%
32) Benzene-d6	8.275	84	381861	24.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.16%
36) 1,2-Dichloropropane-d6	9.275	67	136686	28.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.20%
41) Toluene-d8	10.323	98	256327	17.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.56%
43) trans-1,3-Dichloroprop...	10.579	79	37467	18.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.52%
47) 2-Hexanone-d5	10.927	63	73740	88.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	177.16%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	133692	33.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	133.76%#
66) 1,2-Dichlorobenzene-d4	13.853	152	59351	16.69	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	66.76%#

Target Compounds						Qvalue
13) Acetone	4.135	43	31193	27.94	ug/L	90
14) Carbon disulfide	4.391	76	47510	2.73	ug/L	97
16) Methylene chloride	4.922	84	46926	6.44	ug/L	87
22) 2-Butanone	7.177	43	12350	7.28	ug/L	92
29) Cyclohexane	7.958	56	2832	0.42	ug/L #	55
33) Benzene	8.330	78	34633	2.04	ug/L	100
39) cis-1,3-Dichloropropene	10.043	75	2803	0.44	ug/L #	34
42) Toluene	10.390	91	7259	0.40	ug/L	89
45) 1,1,2-Trichloroethane	10.762	97	12311	3.85	ug/L #	43
51) Chlorobenzene	11.872	112	10661	0.95	ug/L	94
52) Ethylbenzene	11.738	91	11143	0.55	ug/L	83
53) m,p-Xylene	11.847	106	8977	1.21	ug/L	80
54) o-Xylene	12.164	106	26307	3.70	ug/L	91
55) Styrene	12.183	104	3475	0.28	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.689	83	47264	11.88	ug/L #	25
60) Isopropylbenzene	12.463	105	47993	3.22	ug/L #	90
62) 1,3,5-Trimethylbenzene	12.945	105	38126	3.09	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	30037	2.44	ug/L	98
64) 1,3-Dichlorobenzene	13.499	146	7559	1.20	ug/L #	1
65) 1,4-Dichlorobenzene	13.579	146	8722	1.37	ug/L #	1

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

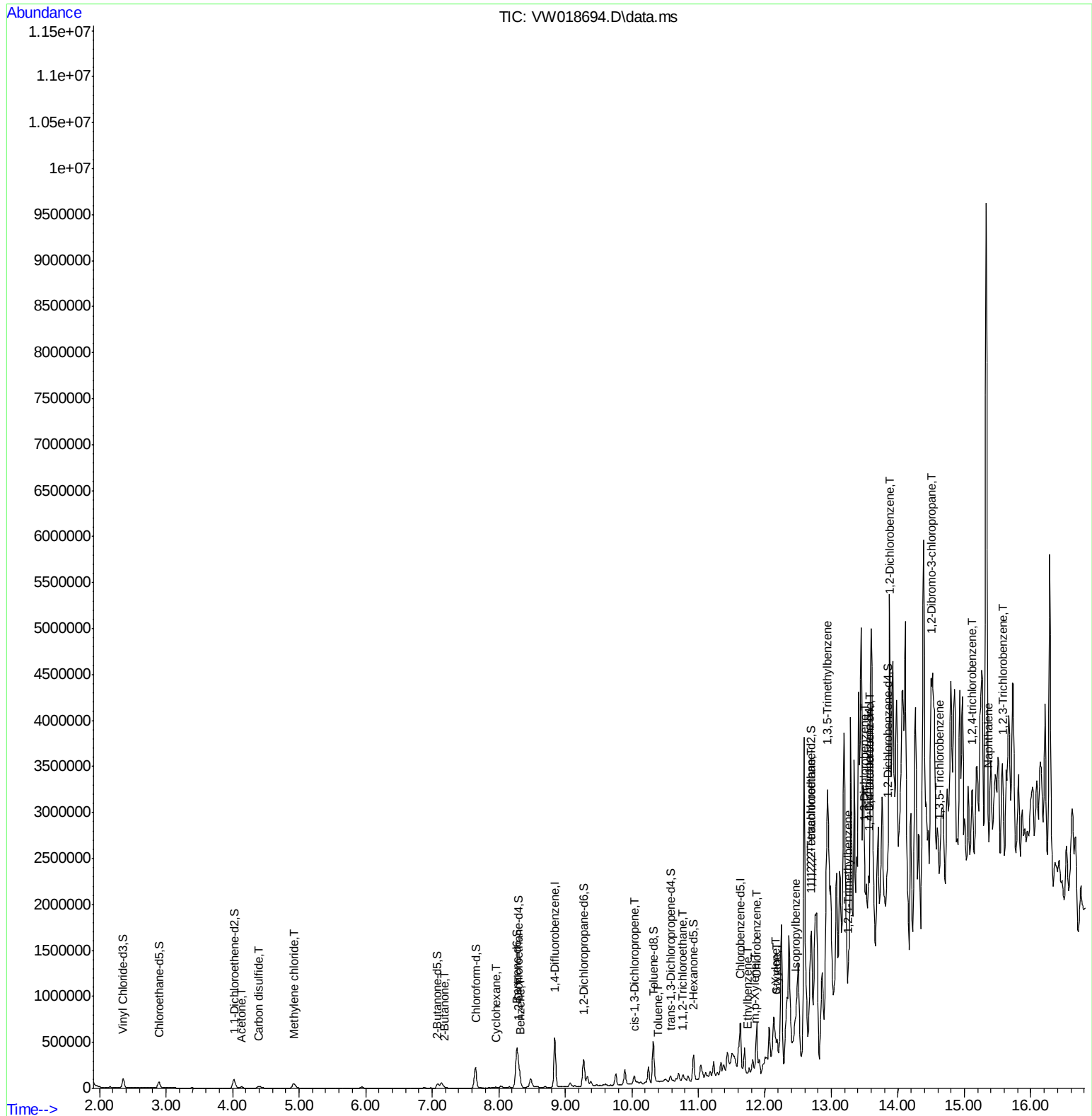
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	13.871	146	2941	0.51	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.499	75	2060	4.29	ug/L #	57
69) 1,3,5-Trichlorobenzene	14.627	180	2204	0.49	ug/L #	63
70) 1,2,4-trichlorobenzene	15.121	180	1536	0.42	ug/L #	1
71) Naphthalene	15.359	128	17559	2.27	ug/L #	35
72) 1,2,3-Trichlorobenzene	15.578	180	12409	3.83	ug/L #	1

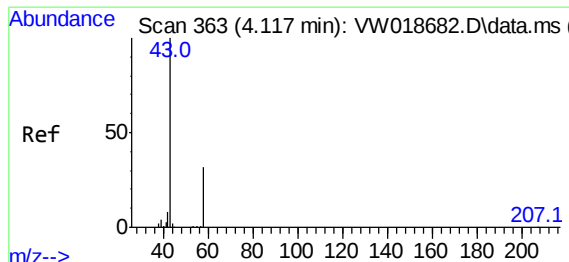
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
QLast Update : Wed Apr 21 01:26:40 2021
Response via : Initial Calibration

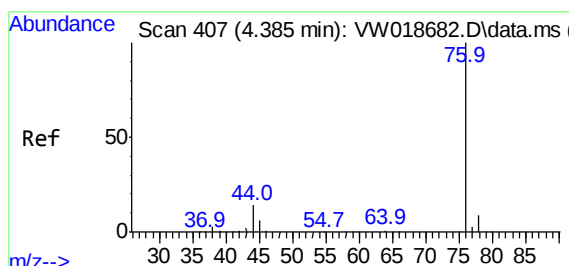
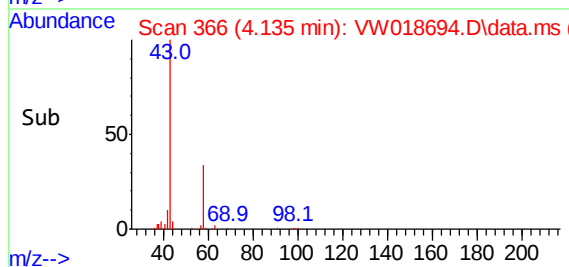
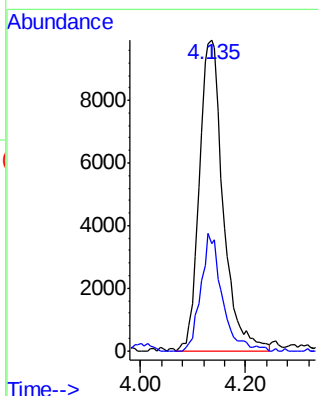
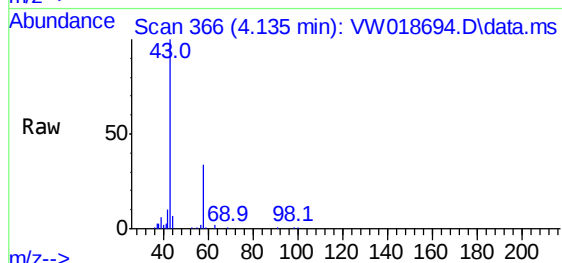




#13
Acetone
Concen: 27.94 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.019 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

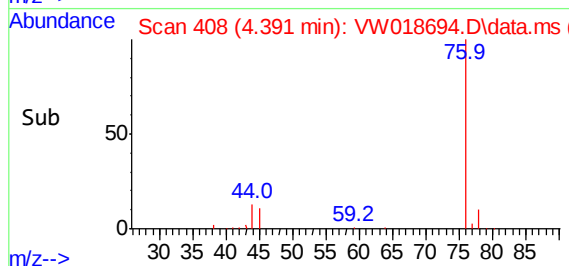
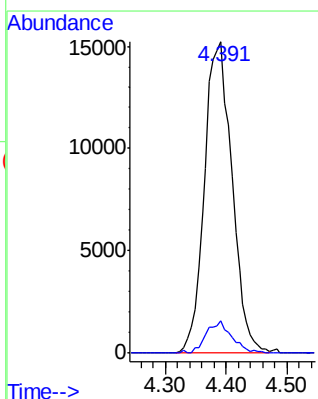
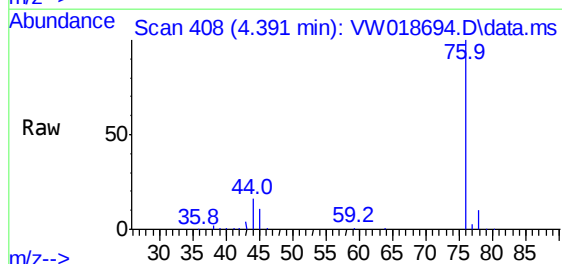
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MSVOA_W
ClientSampleId :
BG568

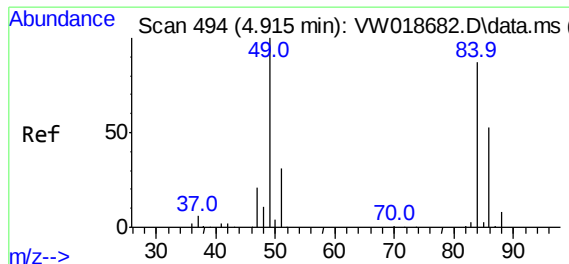
Tgt Ion: 43 Resp: 31193
Ion Ratio Lower Upper
43 100
58 32.1 0.0 53.8



#14
Carbon disulfide
Concen: 2.73 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Tgt Ion: 76 Resp: 47510
Ion Ratio Lower Upper
76 100
78 10.3 7.4 11.0



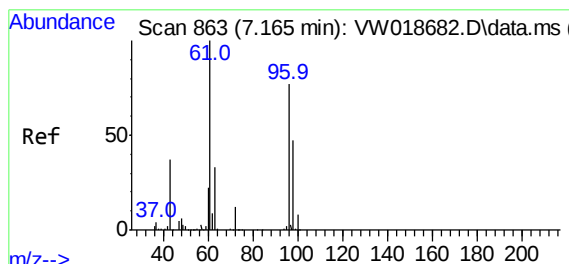
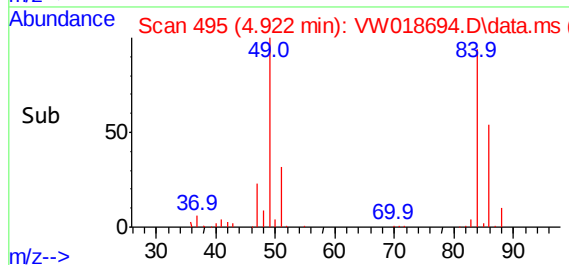
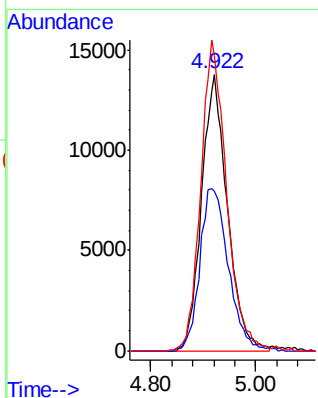
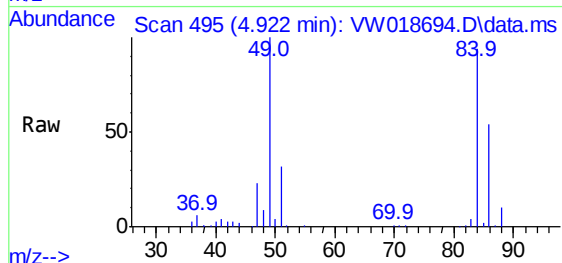


#16
Methylene chloride
Concen: 6.44 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Instrument :
MSVOA_W
ClientSampled :
BG568

Tgt Ion: 84 Resp: 46926

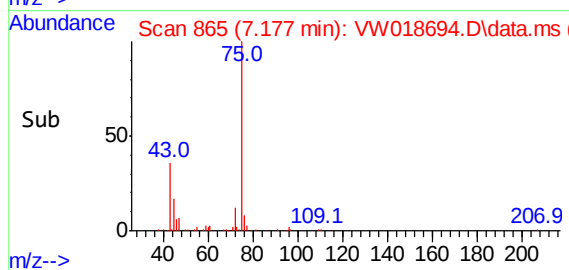
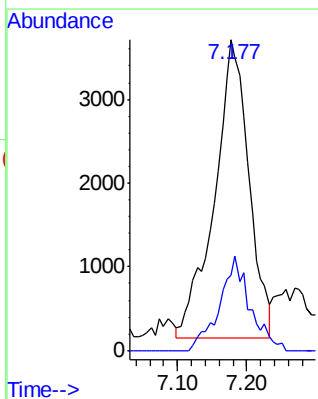
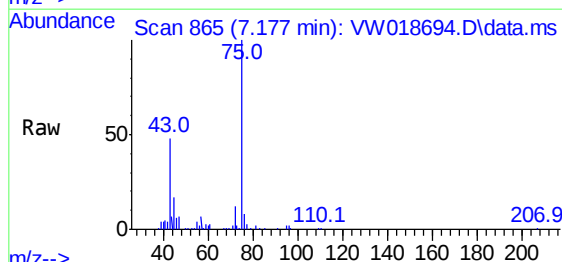
Ion	Ratio	Lower	Upper
84	100		
86	57.6	45.3	84.1
49	106.9	86.6	160.8

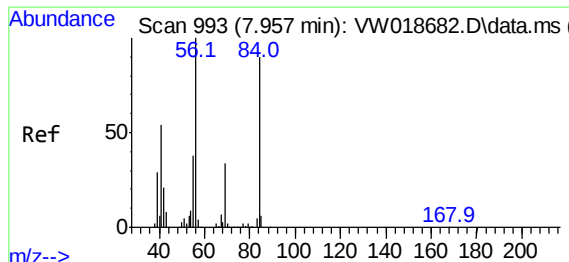


#22
2-Butanone
Concen: 7.28 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.013 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Tgt Ion: 43 Resp: 12350

Ion	Ratio	Lower	Upper
43	100		
72	25.7	14.9	44.7

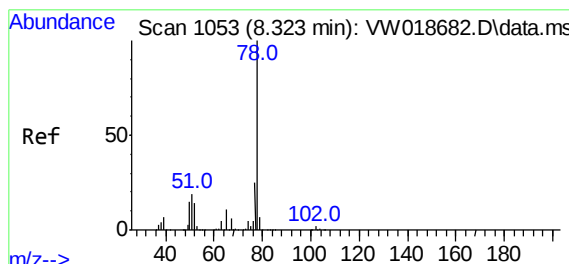
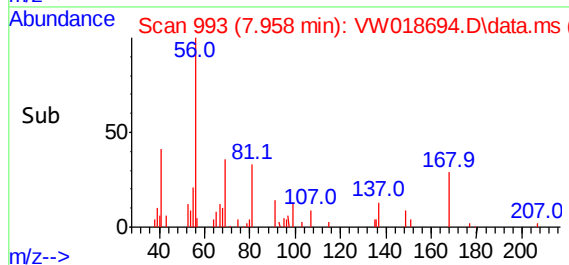
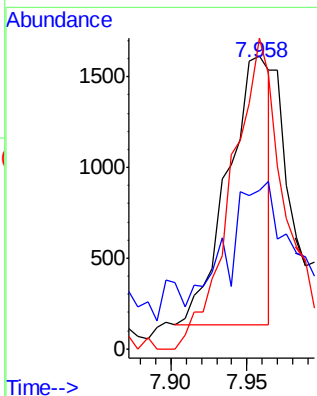
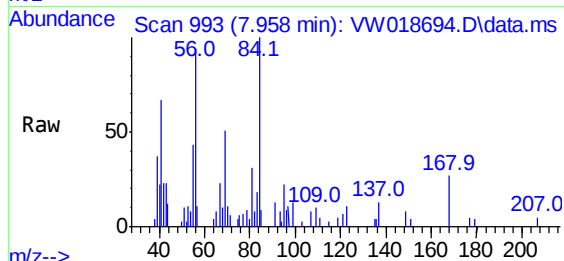




#29
Cyclohexane
Concen: 0.42 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

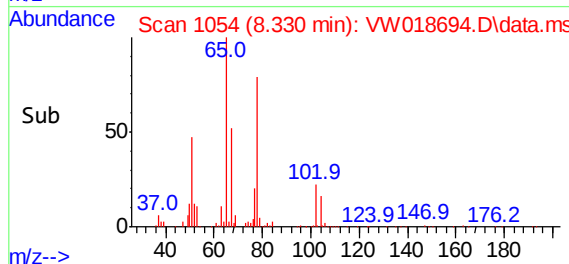
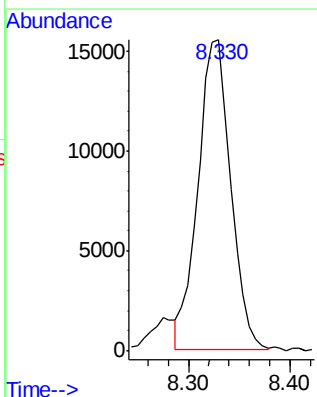
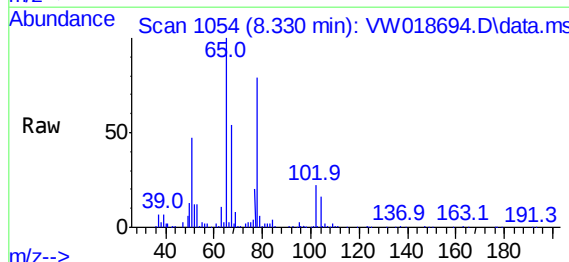
Instrument :
MSVOA_W
ClientSampleId :
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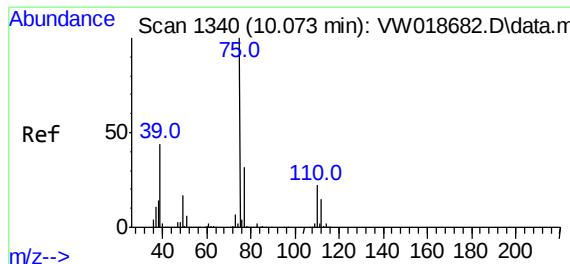
Tgt Ion: 56 Resp: 2832
Ion Ratio Lower Upper
56 100
69 28.6 24.5 36.7
84 150.4 75.0 112.4#



#33
Benzene
Concen: 2.04 ug/L
RT: 8.330 min Scan# 1054
Delta R.T. 0.007 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Tgt Ion: 78 Resp: 34633

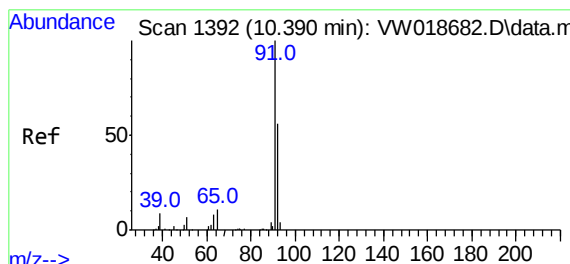
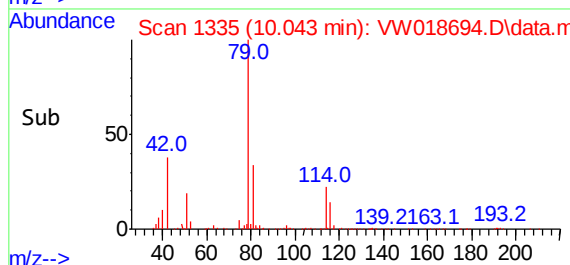
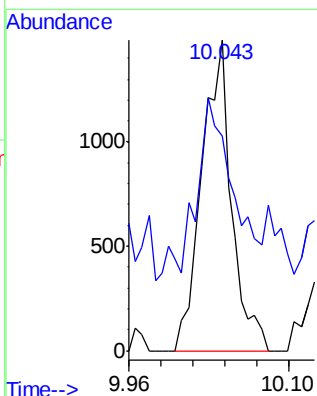
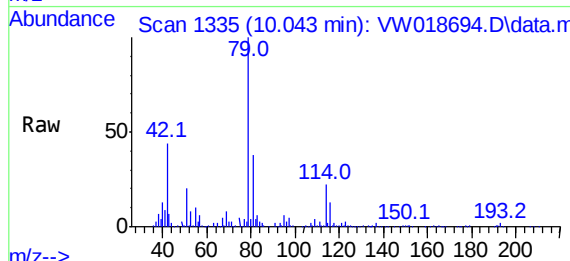




#39
cis-1,3-Dichloropropene
Concen: 0.44 ug/L
RT: 10.043 min Scan# 1335
Delta R.T. -0.030 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

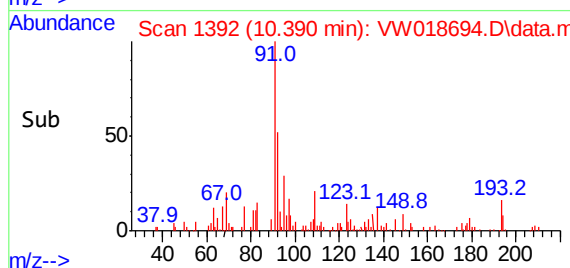
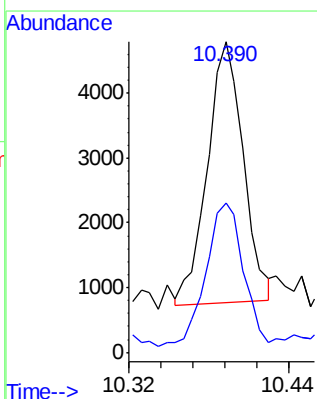
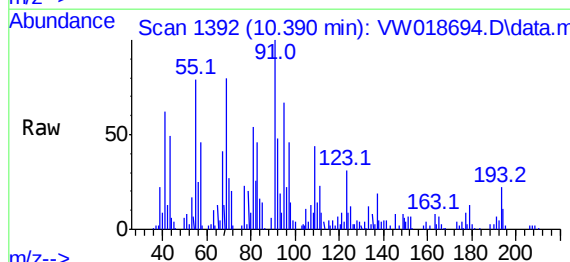
Instrument :
MSVOA_W
ClientSampleID :
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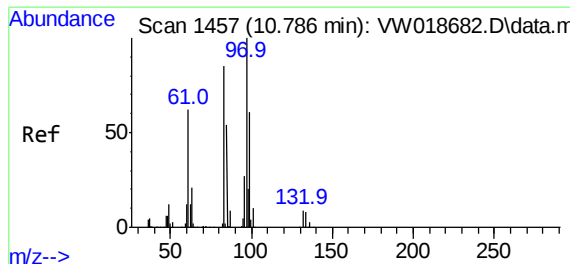
Tgt Ion: 75 Resp: 2803
Ion Ratio Lower Upper
75 100
77 69.1 22.6 42.0#



#42
Toluene
Concen: 0.40 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Tgt Ion: 91 Resp: 7259
Ion Ratio Lower Upper
91 100
92 48.0 39.5 73.3



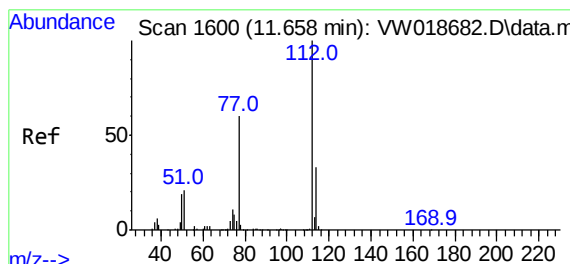
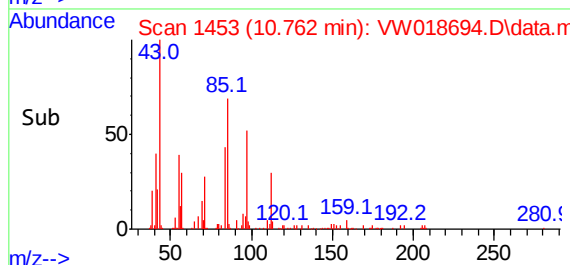
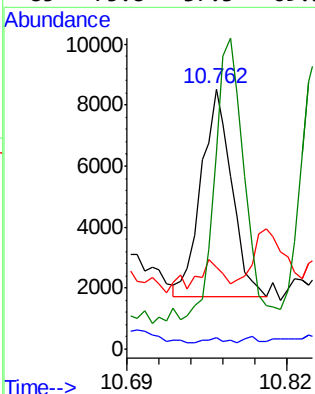
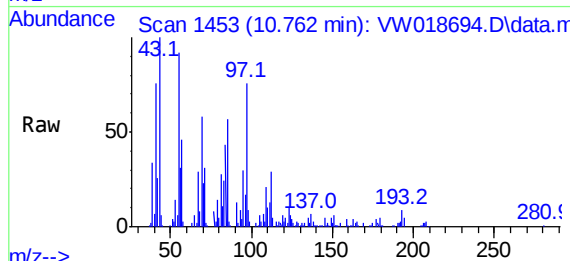


#45
1,1,2-Trichloroethane
Concen: 3.85 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Instrument :
MSVOA_W
ClientSampled :
BG568

Tgt Ion: 97 Resp: 12311

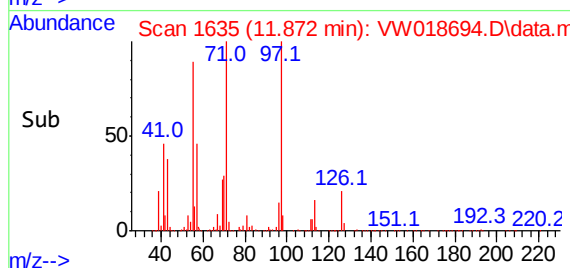
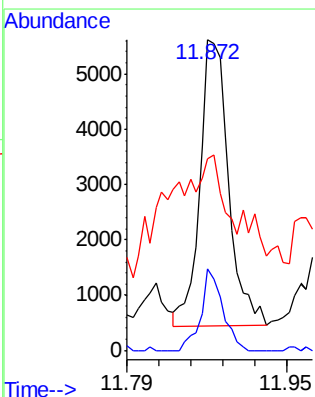
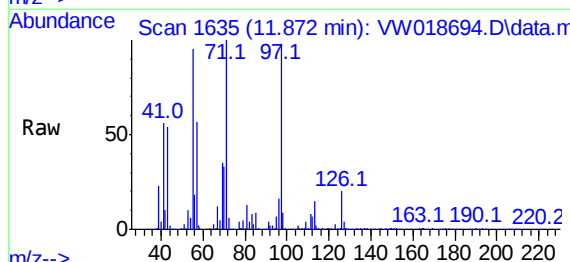
Ion	Ratio	Lower	Upper
97	100		
99	4.3	45.1	83.7#
83	31.3	58.1	107.9#
85	75.8	37.3	69.3#

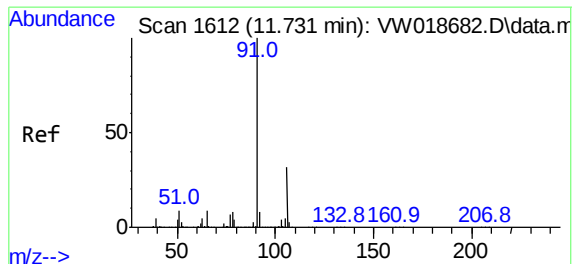


#51
Chlorobenzene
Concen: 0.95 ug/L
RT: 11.872 min Scan# 1635
Delta R.T. 0.214 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Tgt Ion: 112 Resp: 10661

Ion	Ratio	Lower	Upper
112	100		
114	26.1	23.4	43.6
77	61.6	47.6	71.4

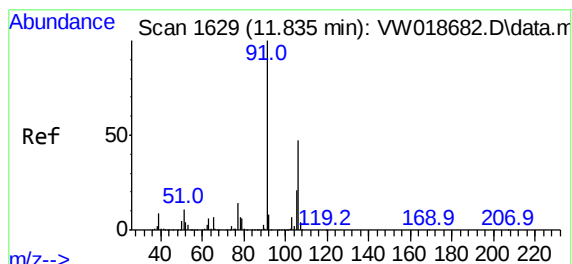
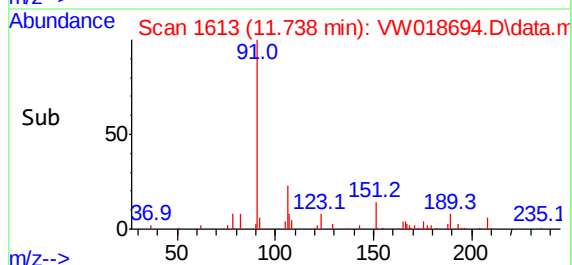
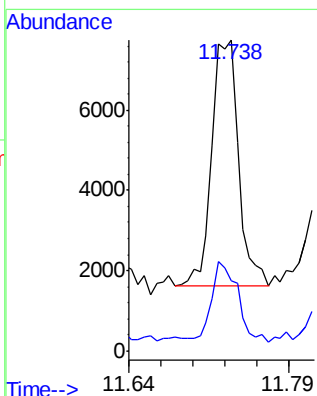
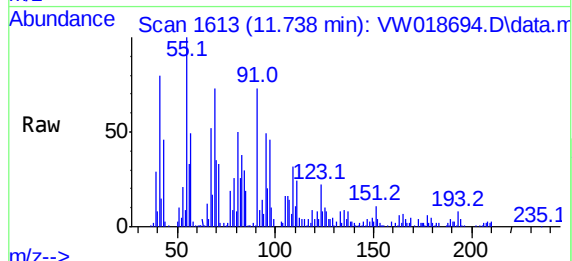




#52
Ethylbenzene
Concen: 0.55 ug/L
RT: 11.738 min Scan# 1613
Delta R.T. 0.006 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

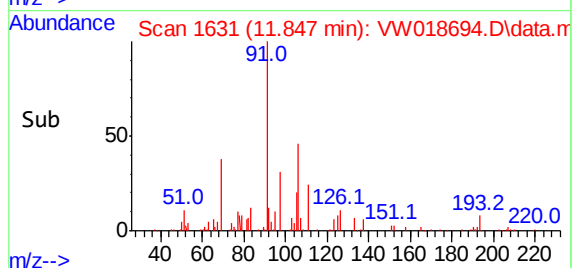
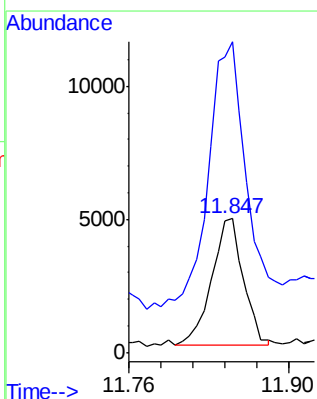
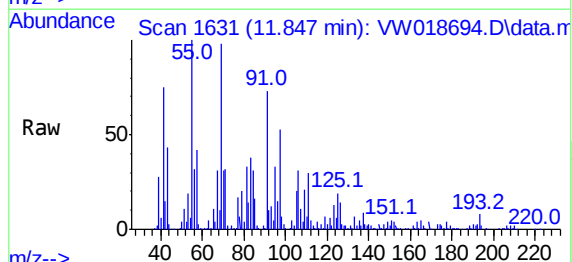
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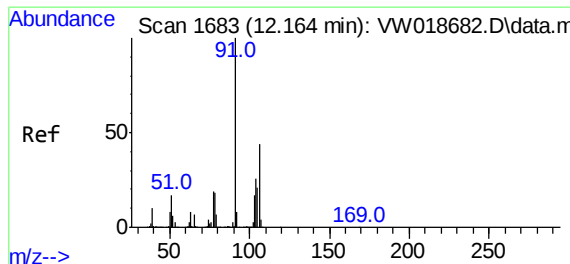
Tgt Ion: 91 Resp: 11143
Ion Ratio Lower Upper
91 100
106 22.5 22.5 41.7



#53
m,p-Xylene
Concen: 1.21 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.013 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Tgt Ion: 106 Resp: 8977
Ion Ratio Lower Upper
106 100
91 231.8 141.3 262.3

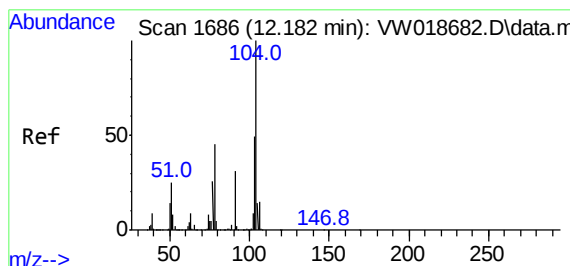
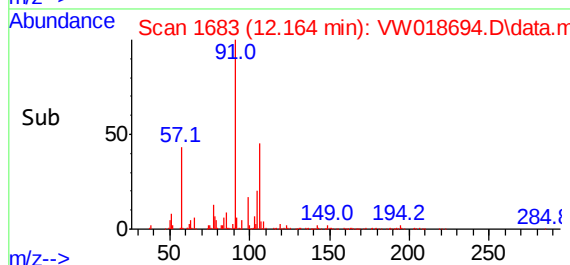
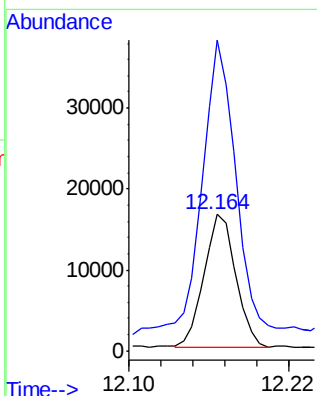
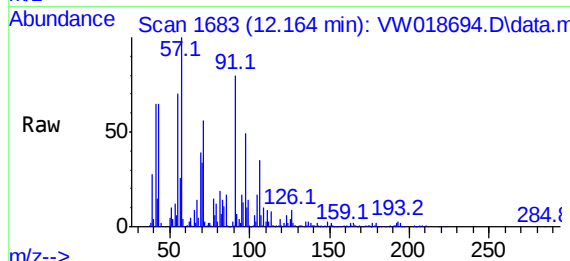




#54
o-Xylene
Concen: 3.70 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

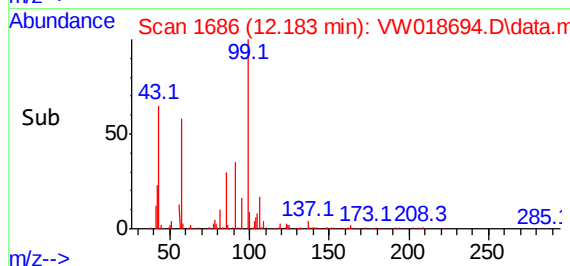
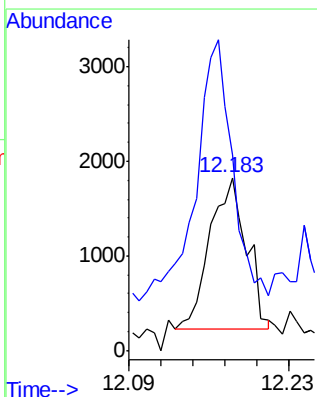
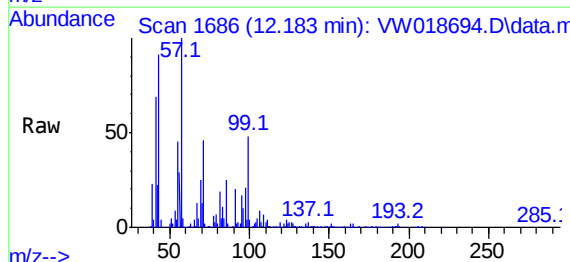
Instrument :
MSVOA_W
ClientSampled :
BG568

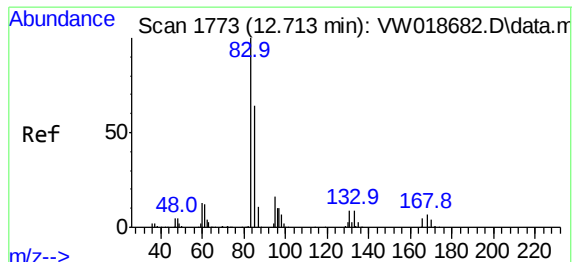
Tgt Ion:106 Resp: 26307
Ion Ratio Lower Upper
106 100
91 228.4 150.0 278.6



#55
Styrene
Concen: 0.28 ug/L
RT: 12.183 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Tgt Ion:104 Resp: 3475
Ion Ratio Lower Upper
104 100
78 113.3 32.5 60.3

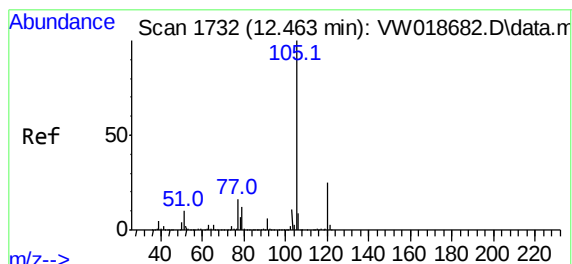
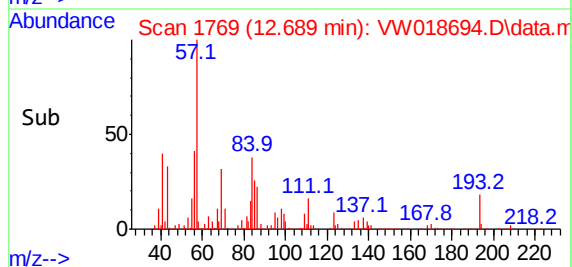
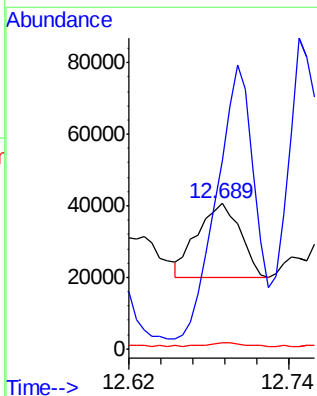
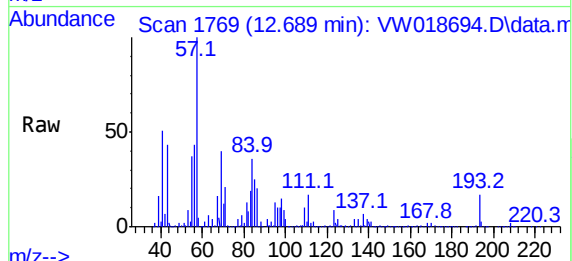




#57
1,1,2,2-Tetrachloroethane
Concen: 11.88 ug/L
RT: 12.689 min Scan# 1769
Delta R.T. -0.024 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

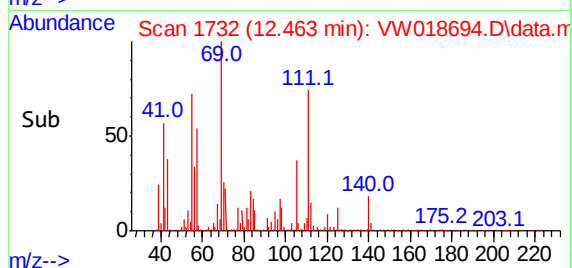
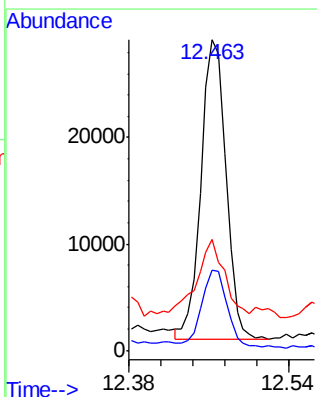
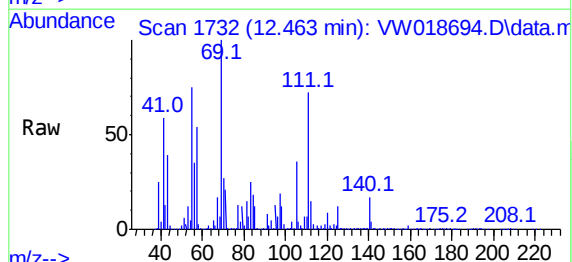
Instrument :
MSVOA_W
ClientSampleID :
BG568

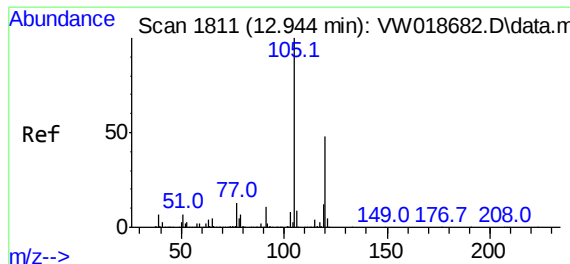
Tgt Ion: 83 Resp: 47264
Ion Ratio Lower Upper
83 100
85 129.4 44.4 82.4#
131 3.9 8.2 12.4#



#60
Isopropylbenzene
Concen: 3.22 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Tgt Ion: 105 Resp: 47993
Ion Ratio Lower Upper
105 100
120 26.0 21.1 31.7
77 27.5 13.2 19.8#

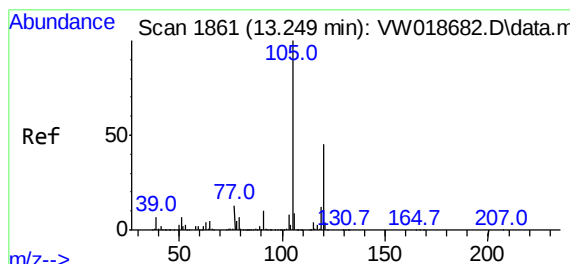
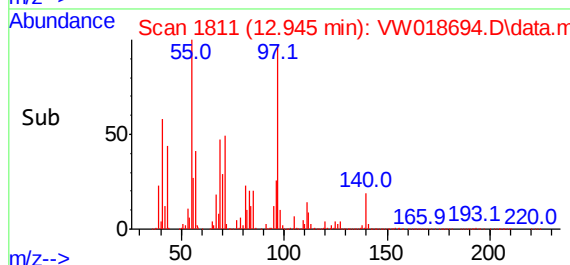
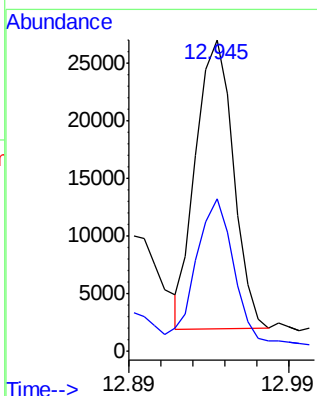
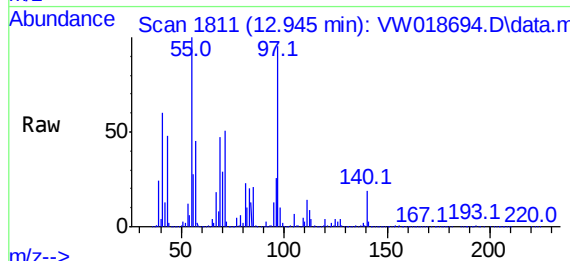




#62
1,3,5-Trimethylbenzene
Concen: 3.09 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

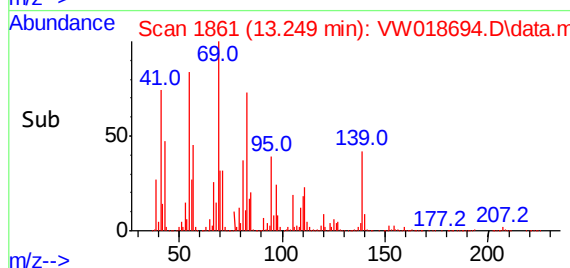
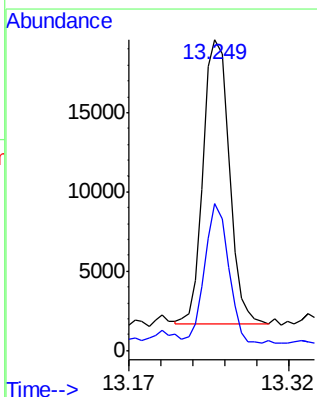
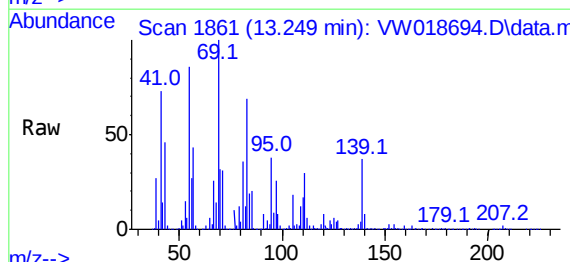
Instrument :
MSVOA_W
ClientSampleID :
BG568

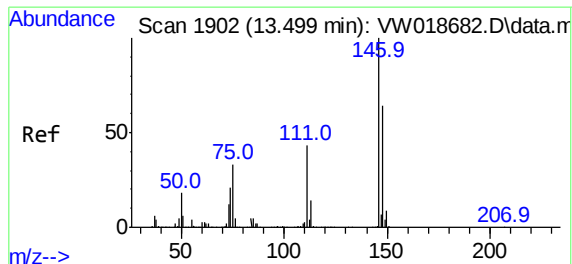
Tgt Ion:105 Resp: 38126
Ion Ratio Lower Upper
105 100
120 47.6 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 2.44 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Tgt Ion:105 Resp: 30037
Ion Ratio Lower Upper
105 100
120 43.4 35.6 53.4

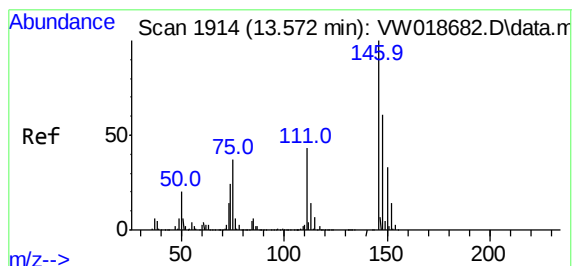
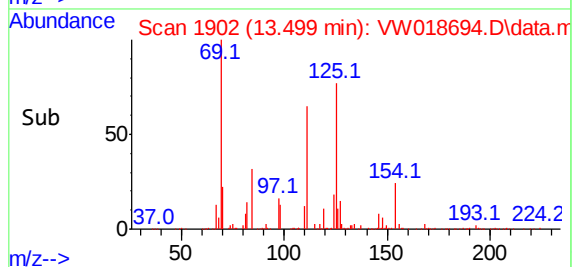
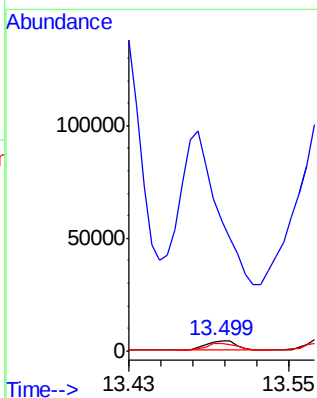
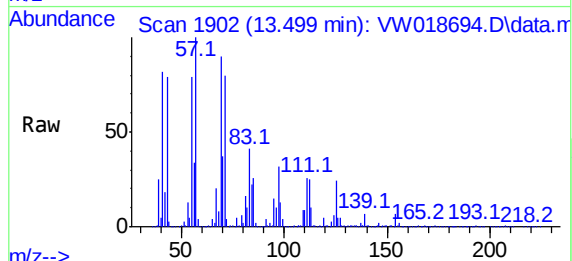




#64
1,3-Dichlorobenzene
Concen: 1.20 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

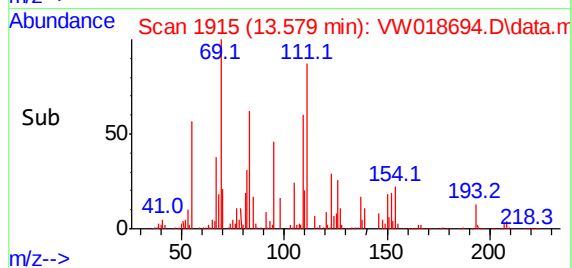
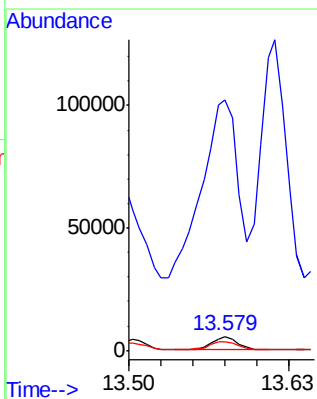
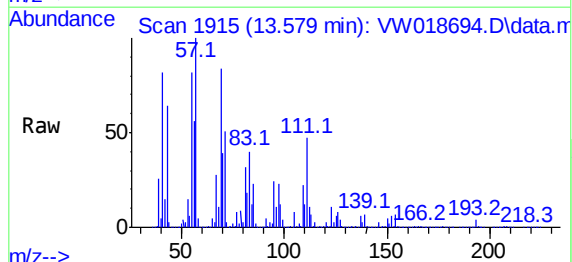
Instrument :
MSVOA_W
ClientSampled :
BG568

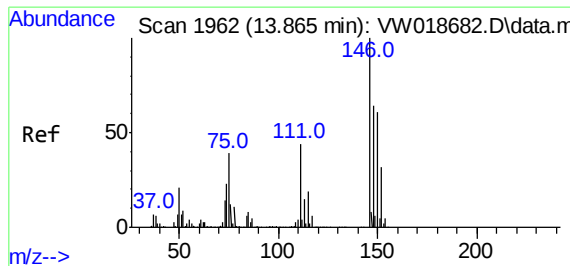
Tgt Ion:146 Resp: 7559
Ion Ratio Lower Upper
146 100
111 1268.0 26.7 49.7#
148 70.2 41.1 76.3



#65
1,4-Dichlorobenzene
Concen: 1.37 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Tgt Ion:146 Resp: 8722
Ion Ratio Lower Upper
146 100
111 1766.0 28.8 53.4#
148 56.5 46.8 87.0

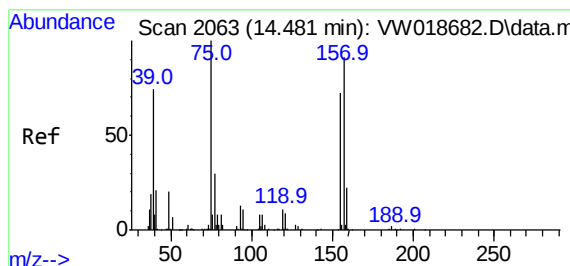
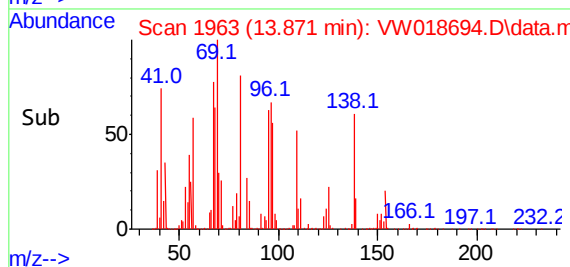
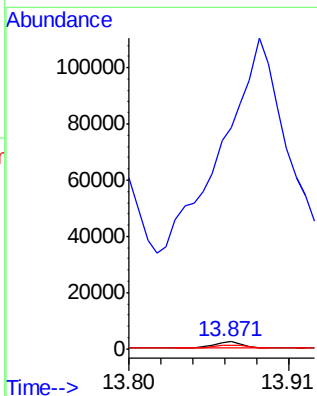
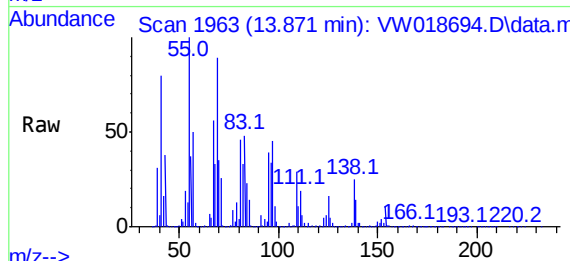




#67
1,2-Dichlorobenzene
Concen: 0.51 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

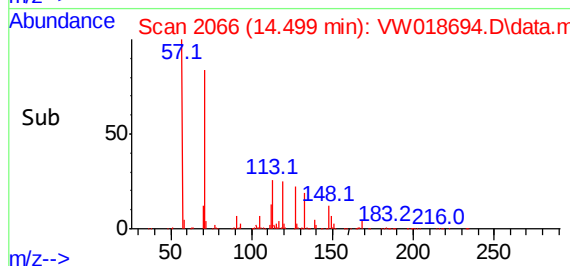
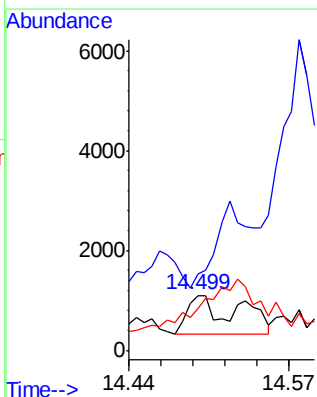
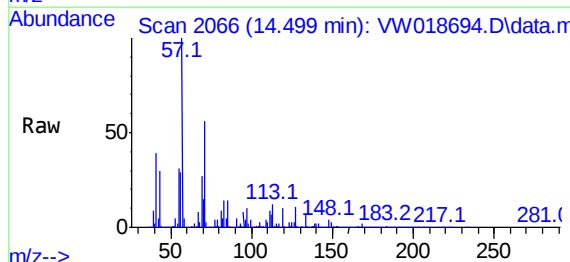
Instrument :
MSVOA_W
ClientSampled :
BG568

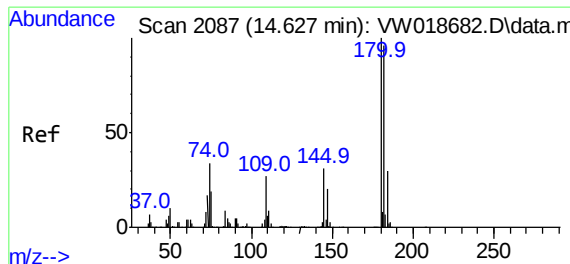
Tgt Ion:146 Resp: 2941
Ion Ratio Lower Upper
146 100
111 3237.8 33.2 49.8#
148 55.9 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 4.29 ug/L
RT: 14.499 min Scan# 2066
Delta R.T. 0.019 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Tgt Ion: 75 Resp: 2060
Ion Ratio Lower Upper
75 100
155 138.8 59.4 89.0#
157 75.9 72.2 108.2

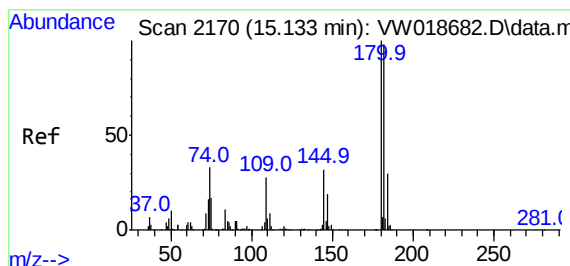
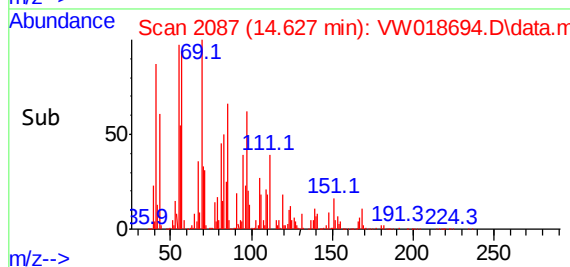
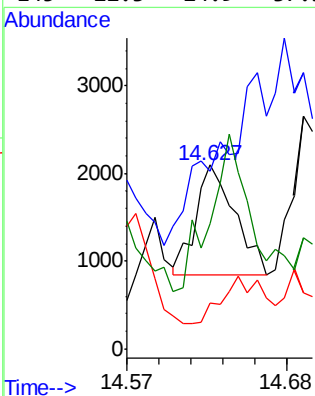
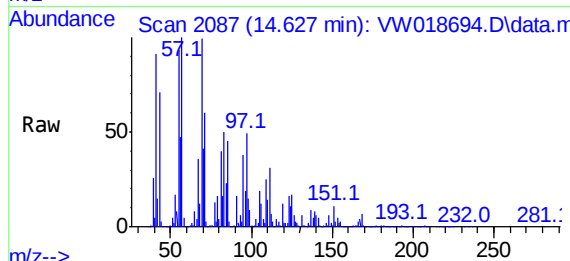




#69
1,3,5-Trichlorobenzene
Concen: 0.49 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.000 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

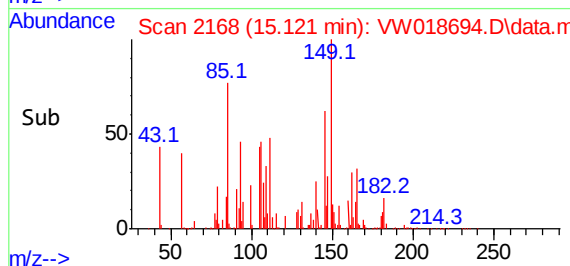
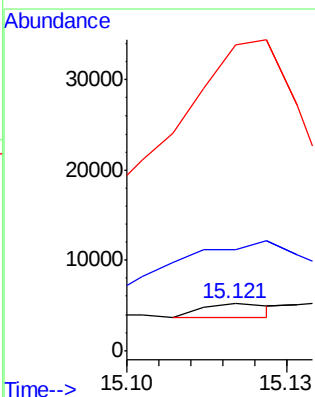
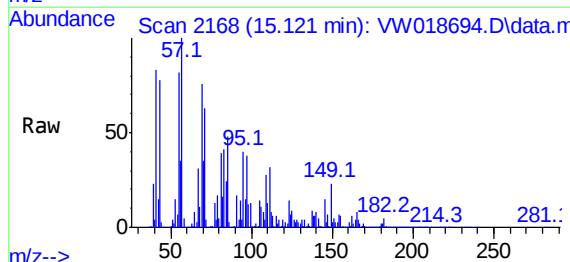
Instrument :
MSVOA_W
ClientSampled :
BG568

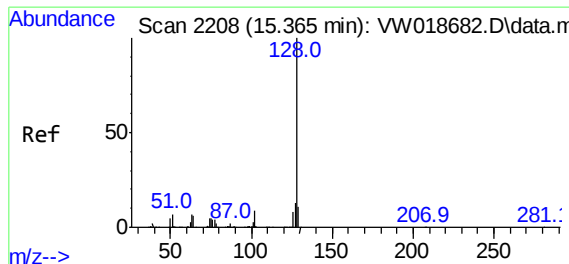
Tgt Ion:	180	Resp:	2204
Ion	Ratio	Lower	Upper
180	100		
182	55.5	73.4	110.2#
184	0.0	23.6	35.4#
145	22.3	24.9	37.3#



#70
1,2,4-trichlorobenzene
Concen: 0.42 ug/L
RT: 15.121 min Scan# 2168
Delta R.T. -0.012 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Tgt Ion:	180	Resp:	1536
Ion	Ratio	Lower	Upper
180	100		
182	1280.3	74.7	112.1#
145	4595.3	25.0	37.4#

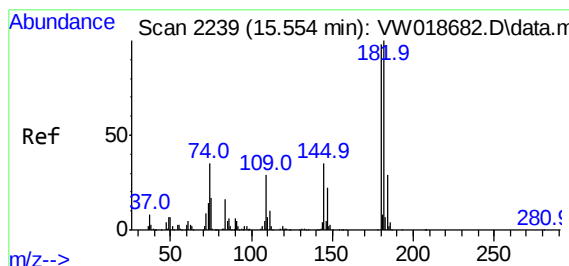
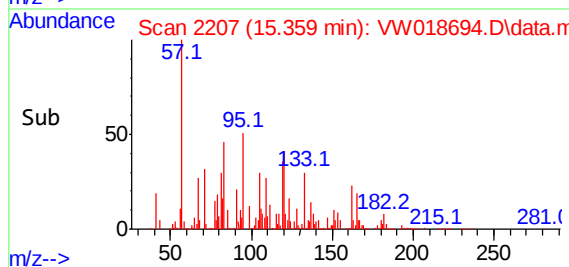
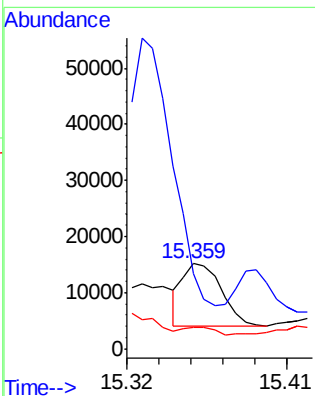
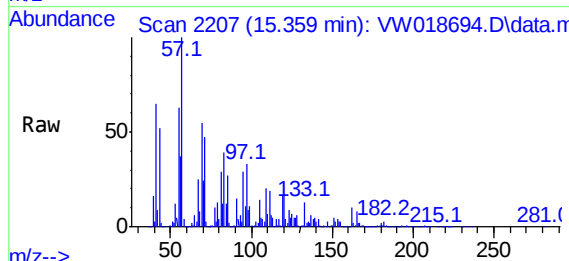




#71
Naphthalene
Concen: 2.27 ug/L
RT: 15.359 min Scan# 2207
Delta R.T. -0.006 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Instrument :
MSVOA_W
ClientSampleId :
BG568

Tgt Ion:	128	Resp:	17559
Ion	Ratio	Lower	Upper
128	100		
127	60.0	10.6	15.8#
129	9.5	9.0	13.6



#72
1,2,3-Trichlorobenzene
Concen: 3.83 ug/L
RT: 15.578 min Scan# 2243
Delta R.T. 0.025 min
Lab File: VW018694.D
Acq: 20 Apr 2021 16:24

Tgt Ion:	180	Resp:	12409
Ion	Ratio	Lower	Upper
180	100		
182	106.0	76.7	115.1
145	505.3	28.9	43.3#

