

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050321\
 Data File : VW018905.D
 Acq On : 03 May 2021 17:45
 Operator : SY/VA
 Sample : M2209-18
 Misc : 6.14G/10ML/MSVOA_W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 04 01:18:18 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	502541	25.00	ug/L	0.01
28) Chlorobenzene-d5	11.658	117	319532	25.00	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	13.560	152	138450	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	157896	24.49	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	97.96%		
7) Chloroethane-d5	2.891	69	132826	26.59	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	106.36%		
11) 1,1-Dichloroethene-d2	4.031	63	234828	18.34	ug/L	0.01
Spiked Amount 25.000	Range 45 - 110		Recovery =	73.36%		
21) 2-Butanone-d5	7.086	46	55036	32.78	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	65.56%		
24) Chloroform-d	7.659	84	309987	23.50	ug/L	0.01
Spiked Amount 25.000	Range 40 - 150		Recovery =	94.00%		
26) 1,2-Dichloroethane-d4	8.311	65	182817	24.81	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	99.24%		
32) Benzene-d6	8.293	84	621107	34.40	ug/L	0.02
Spiked Amount 25.000	Range 20 - 135		Recovery =	137.60%#		
36) 1,2-Dichloropropane-d6	9.280	67	177439	33.13	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	132.52%#		
41) Toluene-d8	10.335	98	542971	32.25	ug/L	0.01
Spiked Amount 25.000	Range 30 - 130		Recovery =	129.00%		
43) trans-1,3-Dichloroprop...	10.585	79	79749	32.76	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	131.04%		
47) 2-Hexanone-d5	10.939	63	272	0.28	ug/L	0.01
Spiked Amount 50.000	Range 20 - 135		Recovery =	0.56%#		
56) 1,1,2,2-Tetrachloroeth...	12.701	84	118934	26.21	ug/L	0.01
Spiked Amount 25.000	Range 45 - 120		Recovery =	104.84%		
66) 1,2-Dichlorobenzene-d4	13.853	152	122355	25.79	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	103.16%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.050	96	12985	1.99	ug/L #	1
13) Acetone	4.135	43	15361	11.94	ug/L	86
14) Carbon disulfide	4.397	76	117626	6.11	ug/L	95
16) Methylene chloride	4.934	84	24871	2.99	ug/L	86
20) cis-1,2-Dichloroethene	7.183	96	5098	0.69	ug/L	76
33) Benzene	8.335	78	211179	11.04	ug/L	100
34) Trichloroethene	9.104	95	2641287	517.49	ug/L	93
35) Methylcyclohexane	9.287	83	47655	5.31	ug/L #	19
37) 1,2-Dichloropropane	9.287	63	21624	4.69	ug/L #	85
39) cis-1,3-Dichloropropene	10.036	75	6111	0.83	ug/L	89
42) Toluene	10.402	91	59217	2.81	ug/L	97
46) Tetrachloroethene	10.859	164	15194311	3958.81	ug/L	97
48) 2-Hexanone	10.933	43	5929	3.18	ug/L #	41
49) Dibromochloromethane	11.146	129	5978	1.51	ug/L #	14
51) Chlorobenzene	11.682	112	6603	0.51	ug/L #	89
52) Ethylbenzene	11.749	91	38785	1.66	ug/L	90
53) m,p-Xylene	11.853	106	61612	7.10	ug/L	94
54) o-Xylene	12.182	106	39845	4.82	ug/L	86
60) Isopropylbenzene	12.475	105	30087	1.52	ug/L	97

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

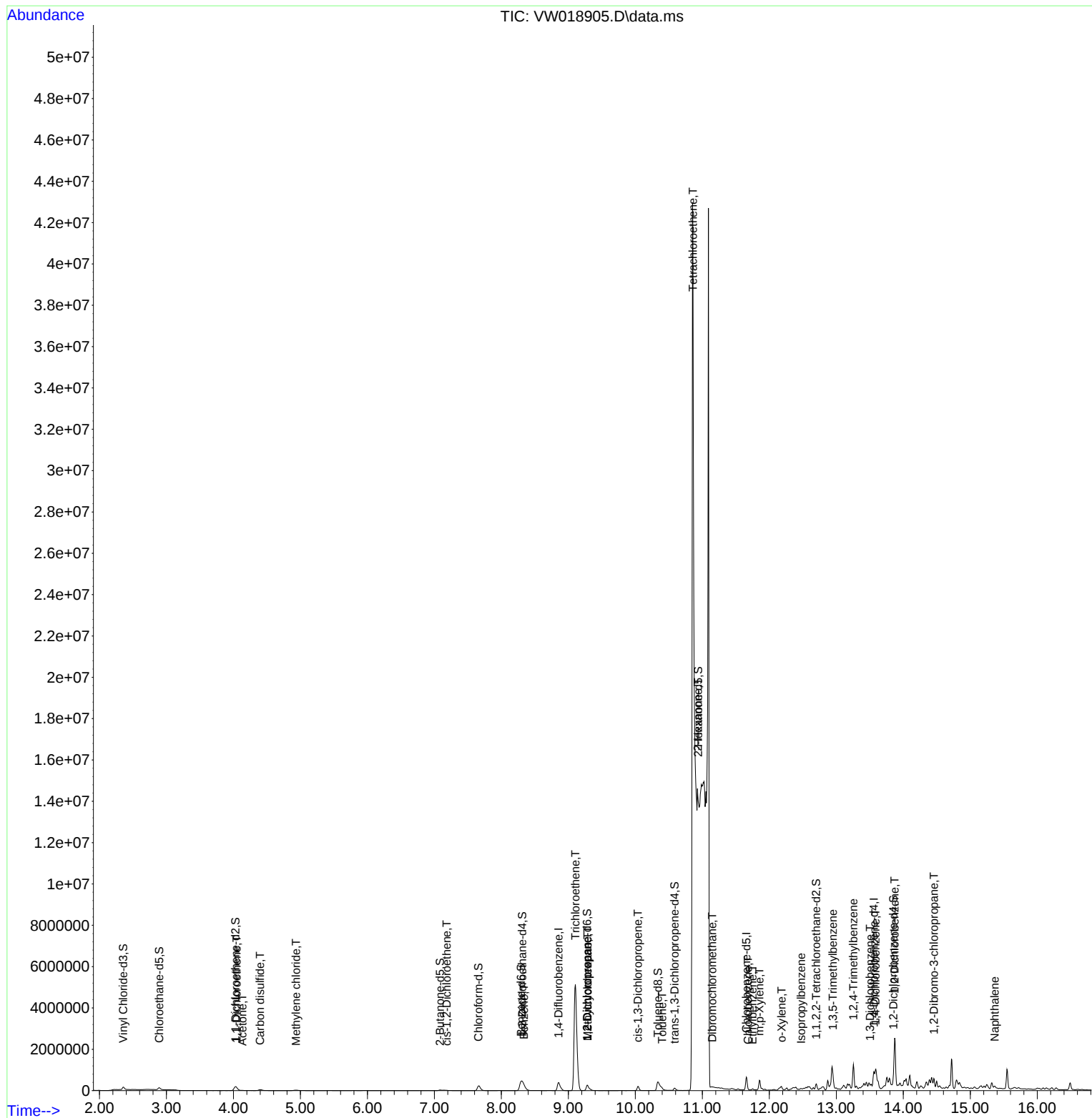
62) 1,3,5-Trimethylbenzene	12.951	105	194982	11.82	ug/L	96
63) 1,2,4-Trimethylbenzene	13.255	105	658582	39.91	ug/L	98
64) 1,3-Dichlorobenzene	13.505	146	4023	0.48	ug/L #	21
65) 1,4-Dichlorobenzene	13.585	146	100828	11.98	ug/L	92
67) 1,2-Dichlorobenzene	13.871	146	158794	21.05	ug/L	92
68) 1,2-Dibromo-3-chloropr...	14.456	75	4019	6.44	ug/L #	8
71) Naphthalene	15.365	128	118140	11.22	ug/L #	95

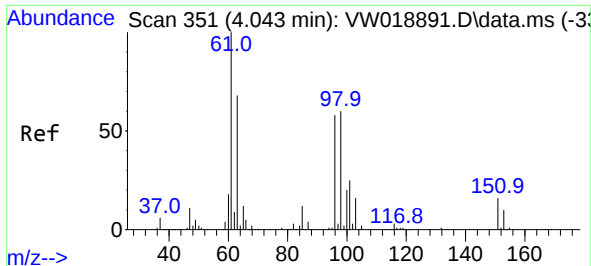
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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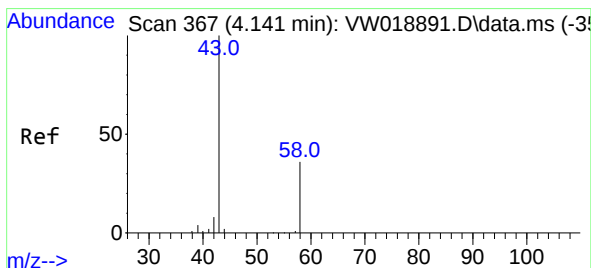
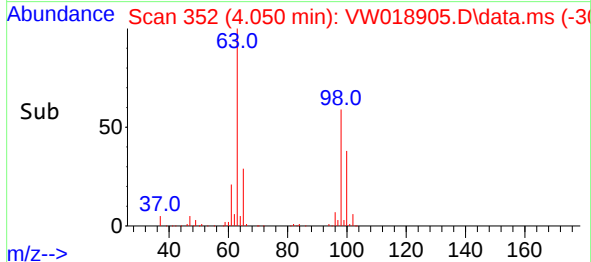
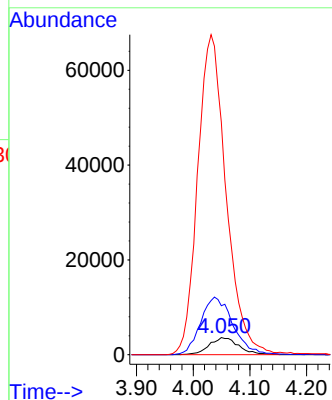
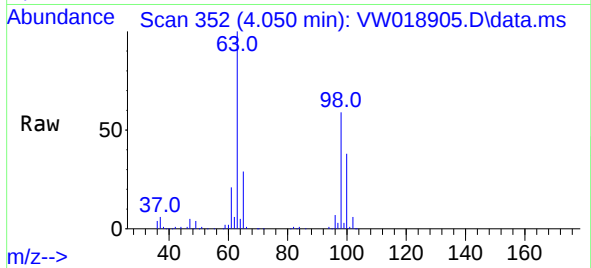




#12
1,1-Dichloroethene
Concen: 1.99 ug/L
RT: 4.050 min Scan# 352
Delta R.T. 0.006 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

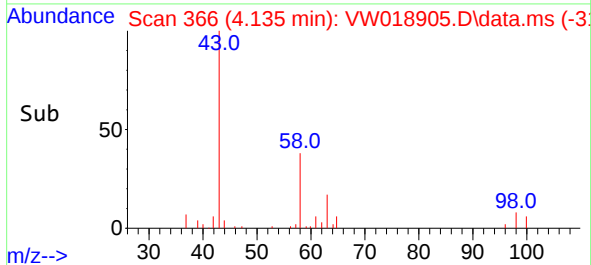
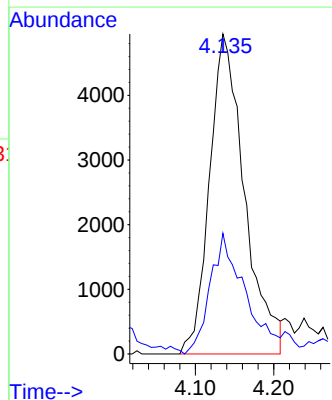
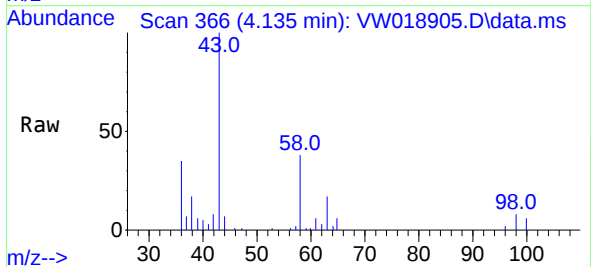
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MSVOA_W
ClientSampled :

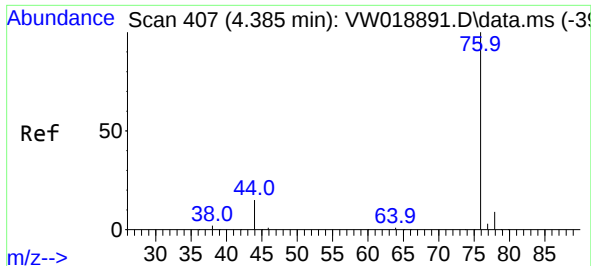
Tgt Ion: 96 Resp: 12985
Ion Ratio Lower Upper
96 100
61 286.0 118.1 219.3#
63 1357.7 83.7 155.5#



#13
Acetone
Concen: 11.94 ug/L
RT: 4.135 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Tgt Ion: 43 Resp: 15361
Ion Ratio Lower Upper
43 100
58 34.3 0.0 53.8

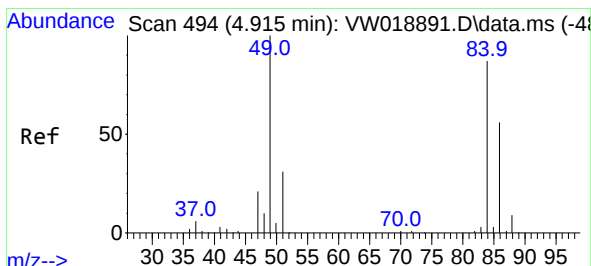
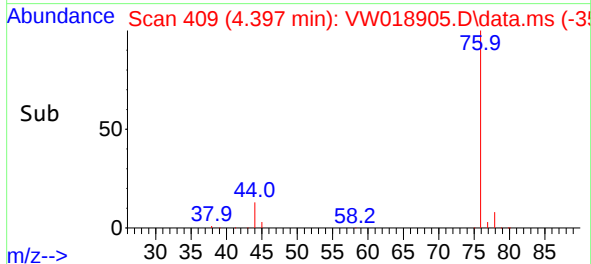
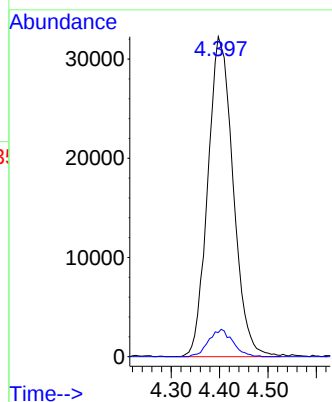
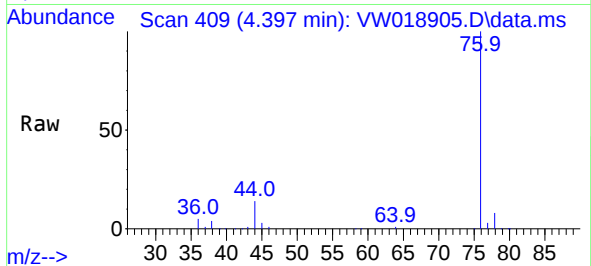




#14
Carbon disulfide
Concen: 6.11 ug/L
RT: 4.397 min Scan# 409
Delta R.T. 0.012 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

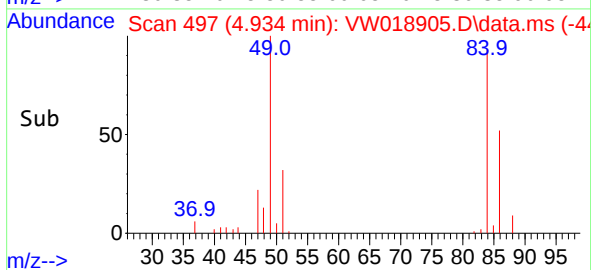
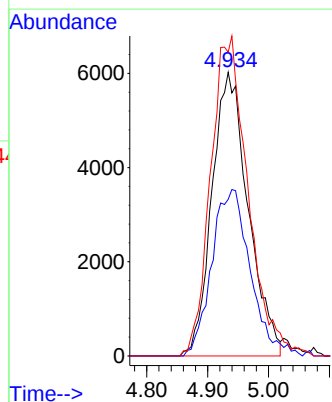
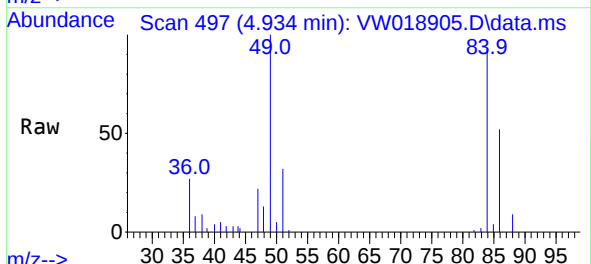
Instrument :
MSVOA_W
ClientSampled :

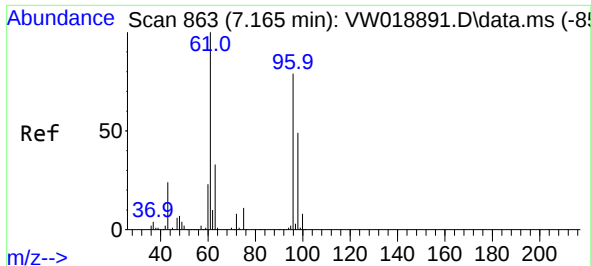
Tgt Ion: 76 Resp: 117626
Ion Ratio Lower Upper
76 100
78 7.6 7.4 11.0



#16
Methylene chloride
Concen: 2.99 ug/L
RT: 4.934 min Scan# 497
Delta R.T. 0.018 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Tgt Ion: 84 Resp: 24871
Ion Ratio Lower Upper
84 100
86 55.2 45.3 84.1
49 107.1 86.6 160.8

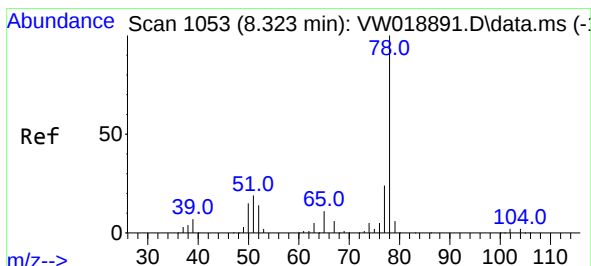
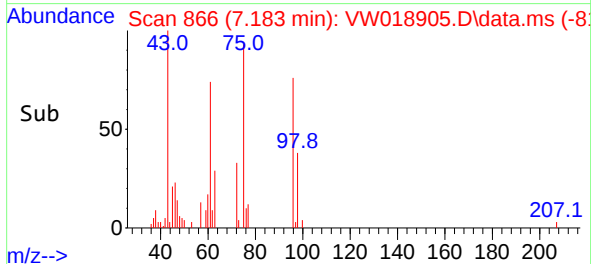
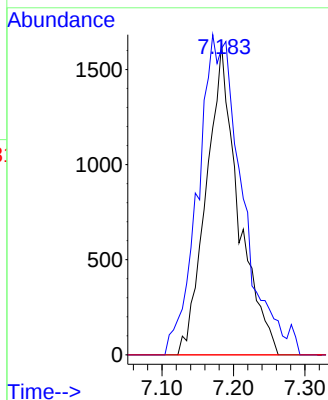
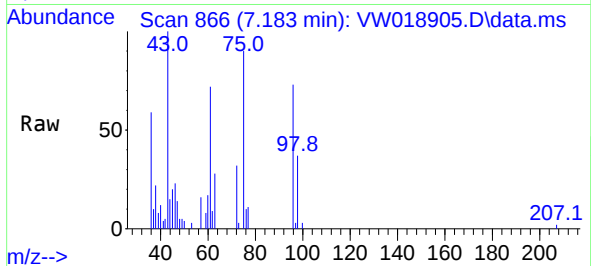




#20
cis-1,2-Dichloroethene
Concen: 0.69 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.018 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

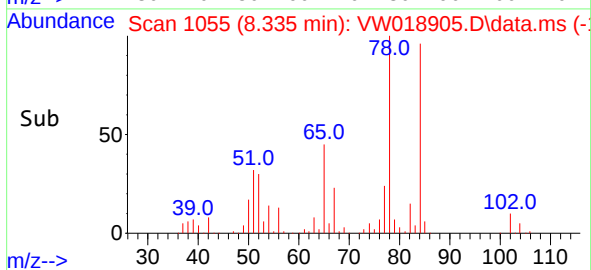
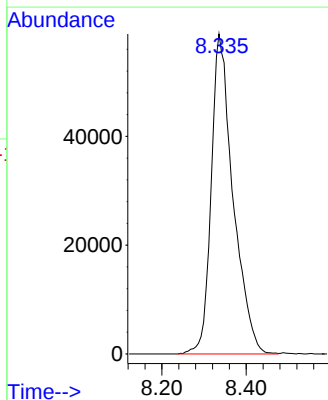
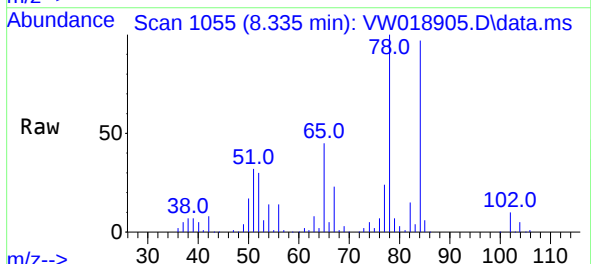
Instrument :
MSVOA_W
ClientSampled :

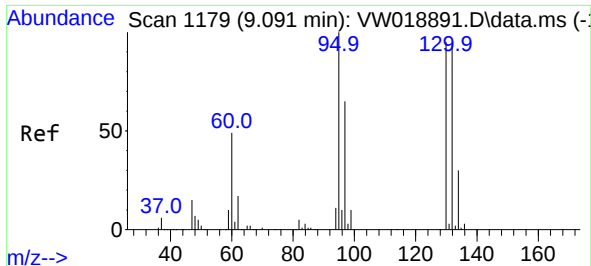
Tgt Ion: 96 Resp: 5098
Ion Ratio Lower Upper
96 100
61 98.4 88.5 164.3
68 0.0 0.0 0.0



#33
Benzene
Concen: 11.04 ug/L
RT: 8.335 min Scan# 1055
Delta R.T. 0.012 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Tgt Ion: 78 Resp: 211179



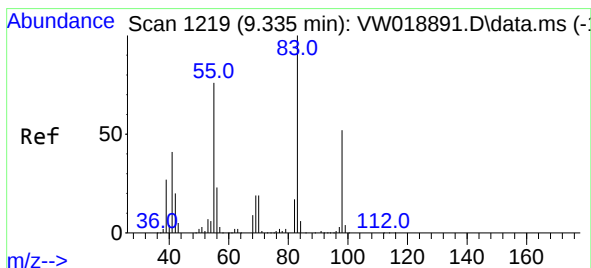
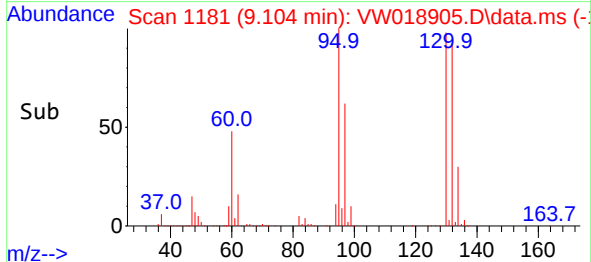
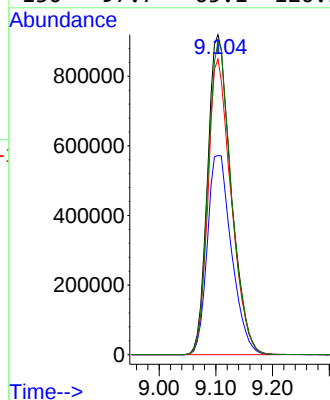
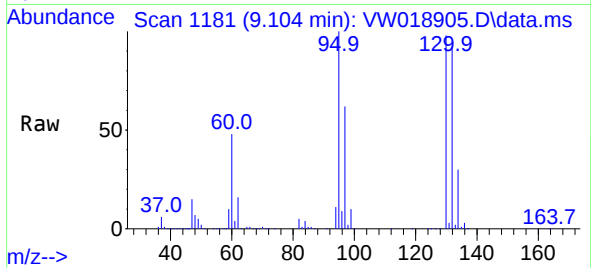


#34
Trichloroethene
Concen: 517.49 ug/L
RT: 9.104 min Scan# 1181
Delta R.T. 0.012 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 95 Resp: 2641287

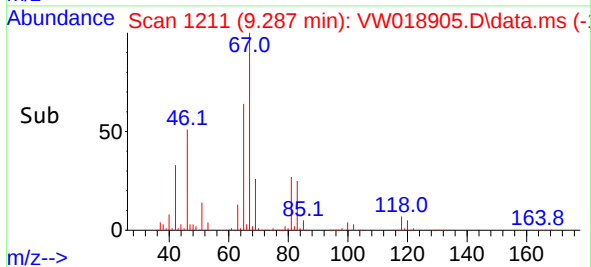
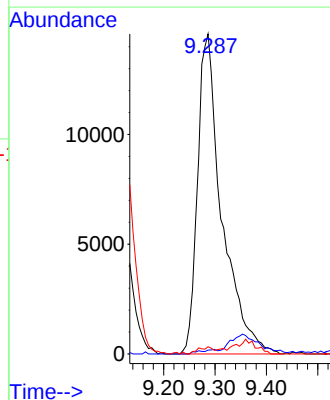
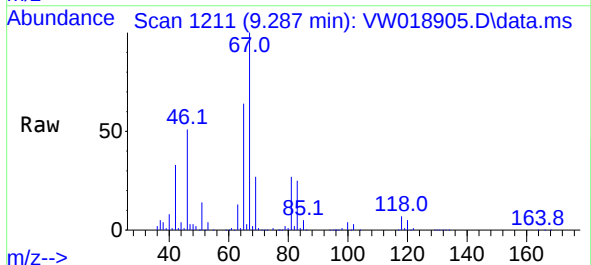
Ion	Ratio	Lower	Upper
95	100		
97	62.2	47.3	87.8
132	92.3	71.0	131.8
130	97.7	65.1	120.9

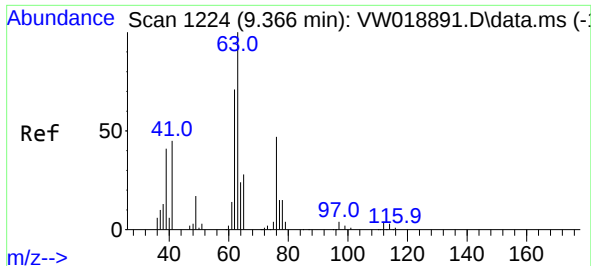


#35
Methylcyclohexane
Concen: 5.31 ug/L
RT: 9.287 min Scan# 1211
Delta R.T. -0.049 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Tgt Ion: 83 Resp: 47655

Ion	Ratio	Lower	Upper
83	100		
55	0.5	58.9	88.3#
98	0.6	40.1	60.1#

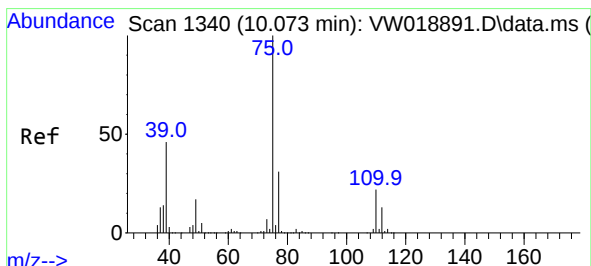
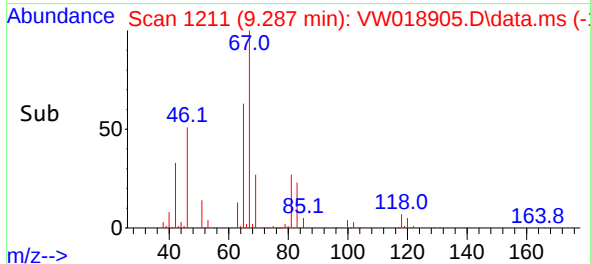
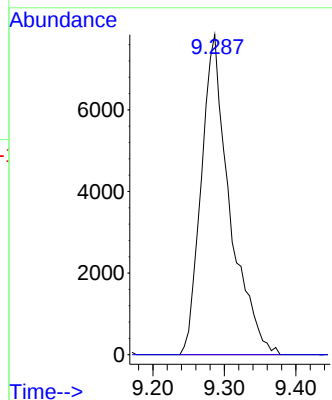
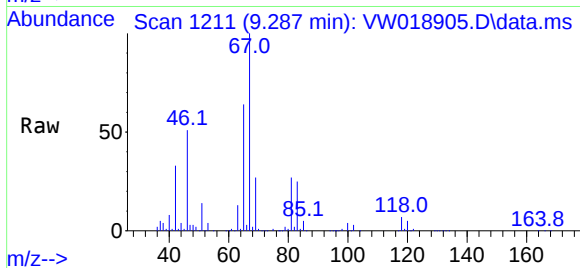




#37
1,2-Dichloropropane
Concen: 4.69 ug/L
RT: 9.287 min Scan# 1211
Delta R.T. -0.079 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

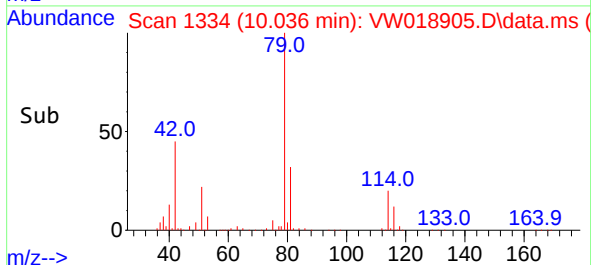
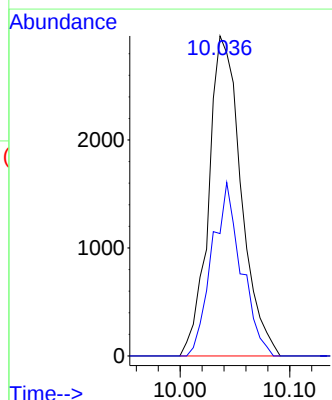
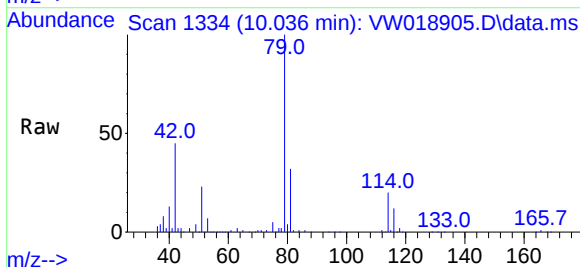
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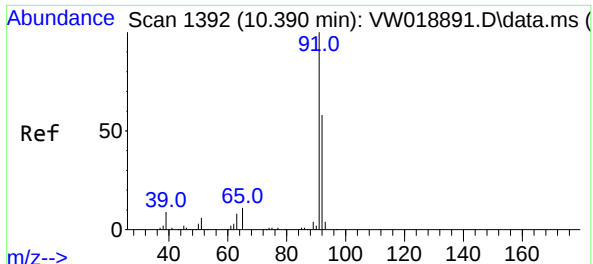
Tgt Ion: 63 Resp: 21624
Ion Ratio Lower Upper
63 100
112 0.0 3.9 5.9#



#39
cis-1,3-Dichloropropene
Concen: 0.83 ug/L
RT: 10.036 min Scan# 1334
Delta R.T. -0.036 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Tgt Ion: 75 Resp: 6111
Ion Ratio Lower Upper
75 100
77 38.2 22.6 42.0

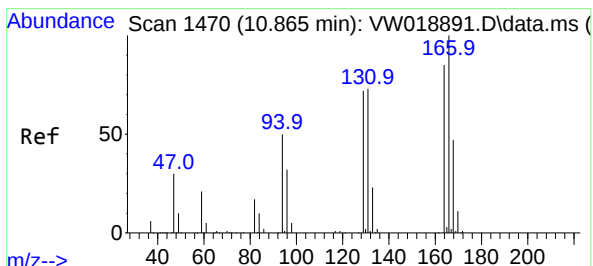
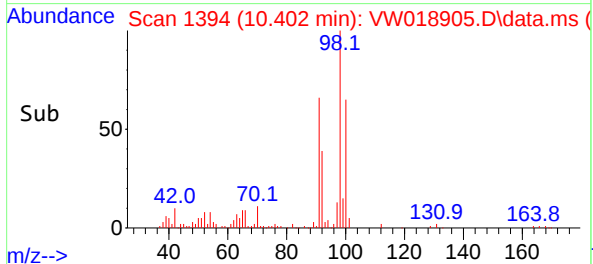
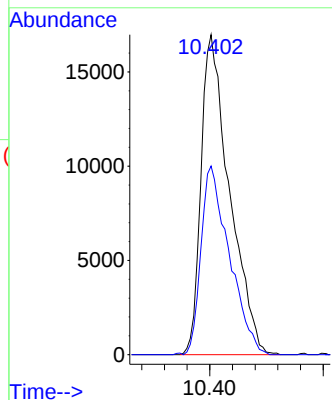
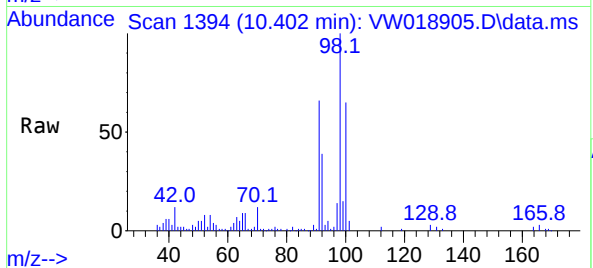




#42
Toluene
Concen: 2.81 ug/L
RT: 10.402 min Scan# 1394
Delta R.T. 0.012 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

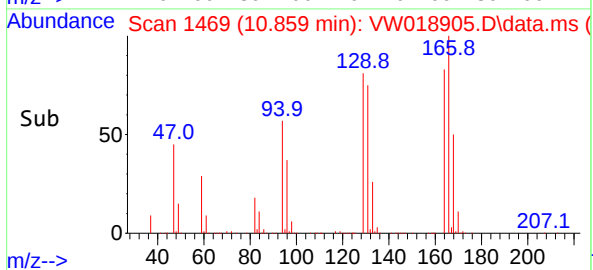
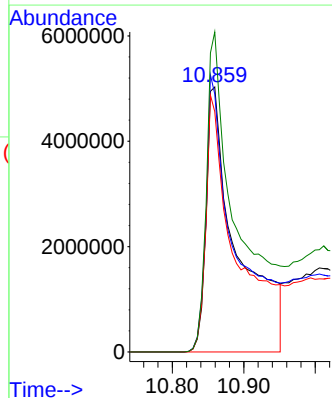
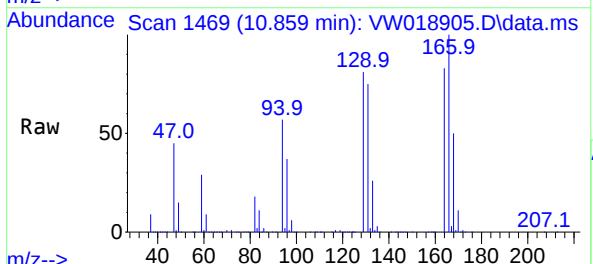
Instrument :
MSVOA_W
ClientSampled :

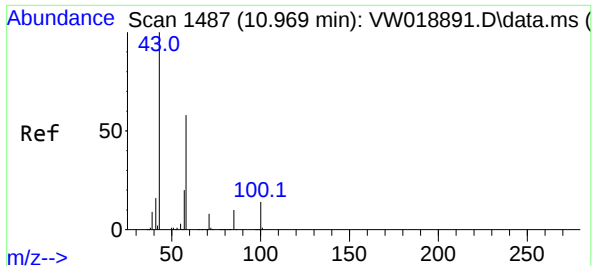
Tgt Ion: 91 Resp: 59217
Ion Ratio Lower Upper
91 100
92 58.9 39.5 73.3



#46
Tetrachloroethene
Concen: 3958.81 ug/L
RT: 10.859 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

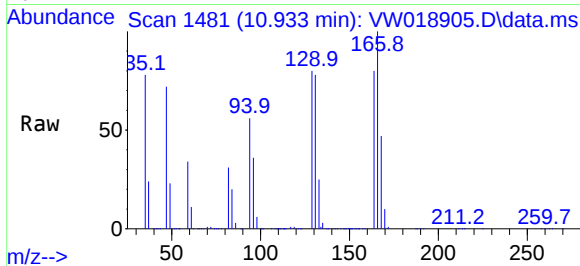
Tgt Ion:164 Resp:15194311
Ion Ratio Lower Upper
164 100
129 97.3 66.7 123.9
131 90.7 61.1 113.5
166 120.7 87.0 161.6





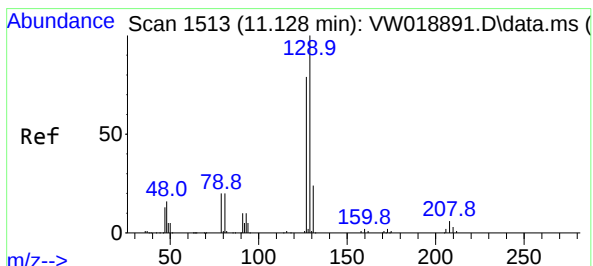
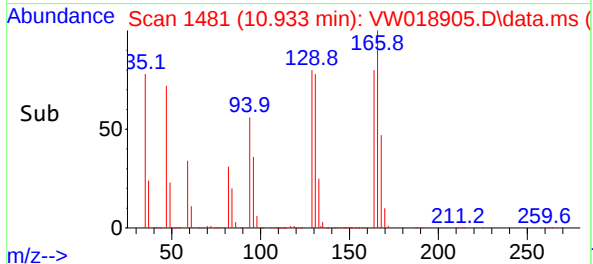
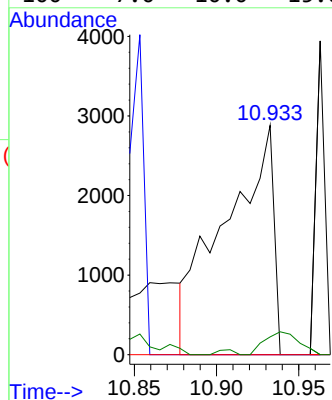
#48
2-Hexanone
Concen: 3.18 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.036 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Instrument :
MSVOA_W
ClientSampled :



Tgt Ion: 43 Resp: 5929

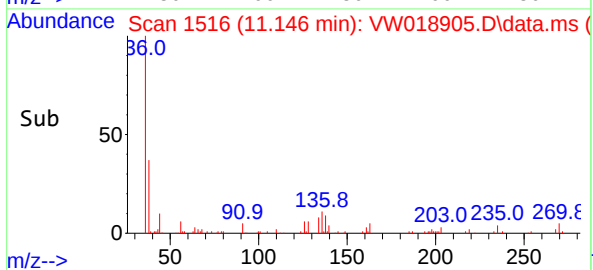
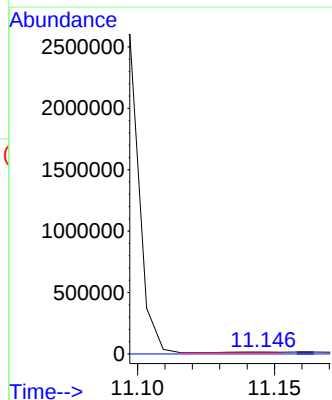
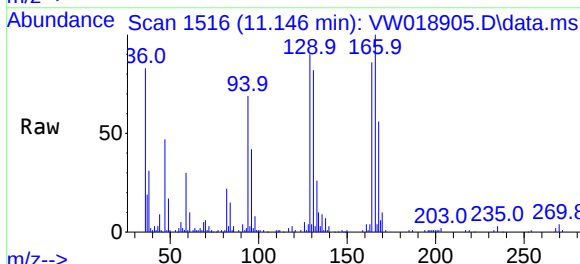
Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.7	64.1#
57	0.0	15.8	23.8#
100	7.0	10.0	15.0#

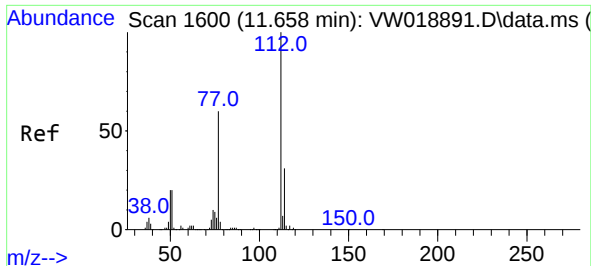


#49
Dibromochloromethane
Concen: 1.51 ug/L
RT: 11.146 min Scan# 1516
Delta R.T. 0.018 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Tgt Ion: 129 Resp: 5978

Ion	Ratio	Lower	Upper
129	100		
127	1.2	51.7	95.9#

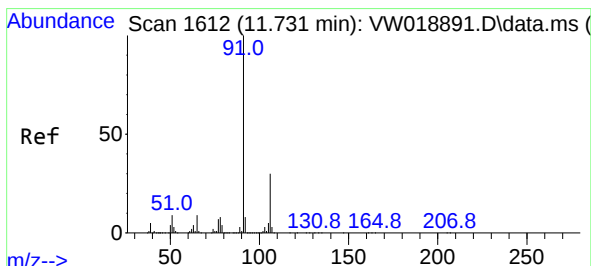
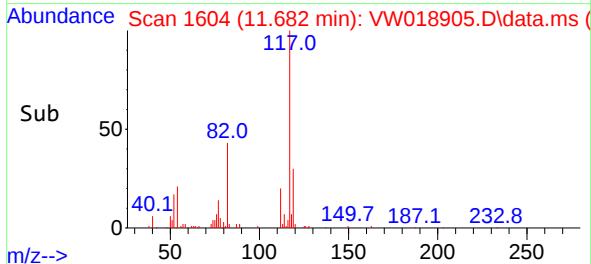
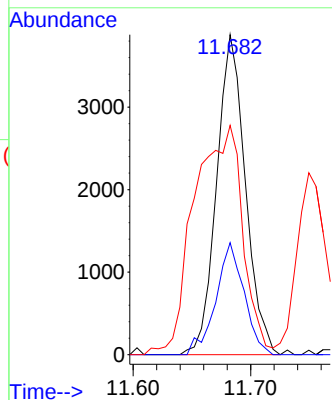
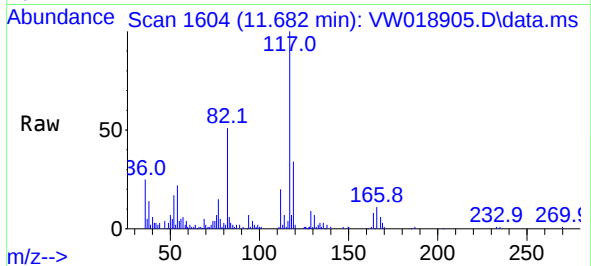




#51
Chlorobenzene
Concen: 0.51 ug/L
RT: 11.682 min Scan# 1604
Delta R.T. 0.025 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

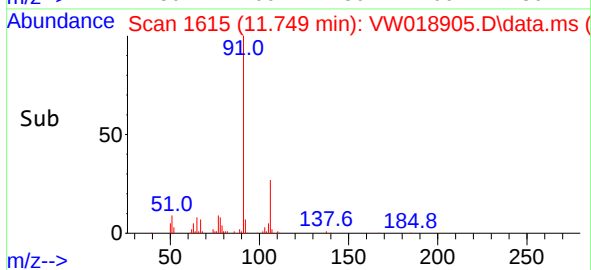
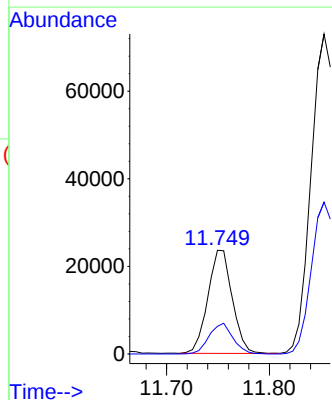
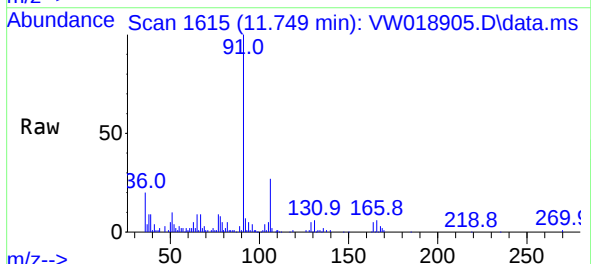
Instrument :
MSVOA_W
ClientSampled :

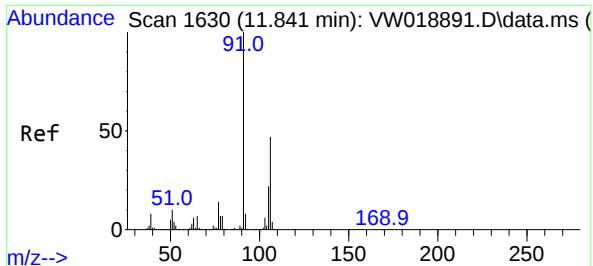
Tgt Ion:112 Resp: 6603
Ion Ratio Lower Upper
112 100
114 35.0 23.4 43.6
77 71.7 47.6 71.4#



#52
Ethylbenzene
Concen: 1.66 ug/L
RT: 11.749 min Scan# 1615
Delta R.T. 0.018 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Tgt Ion: 91 Resp: 38785
Ion Ratio Lower Upper
91 100
106 26.7 22.5 41.7

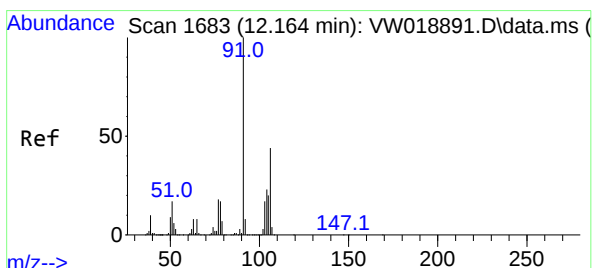
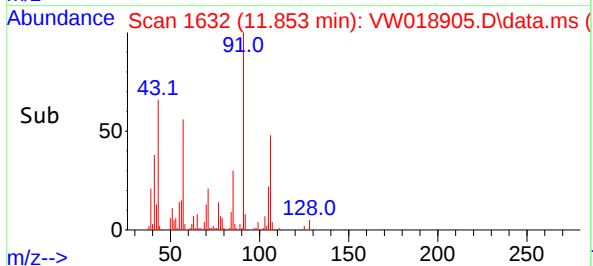
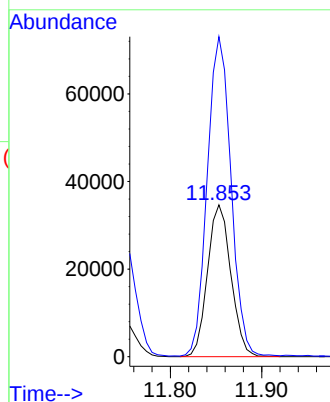
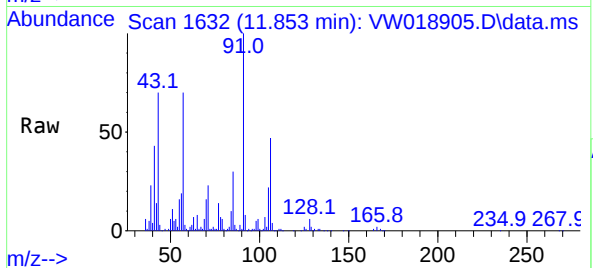




#53
m,p-Xylene
Concen: 7.10 ug/L
RT: 11.853 min Scan# 1632
Delta R.T. 0.012 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

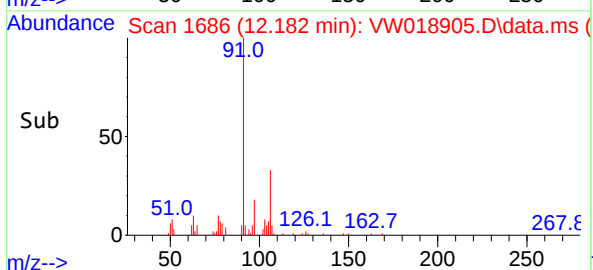
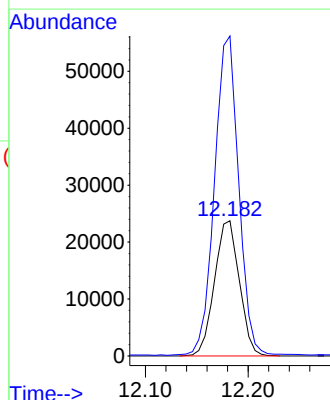
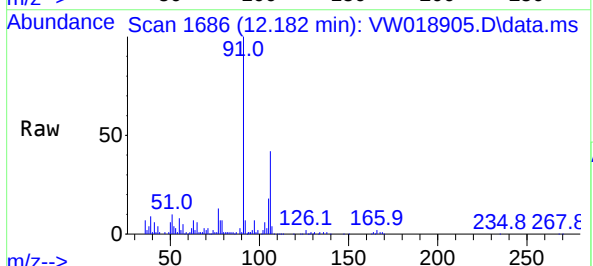
Instrument :
MSVOA_W
ClientSampled :

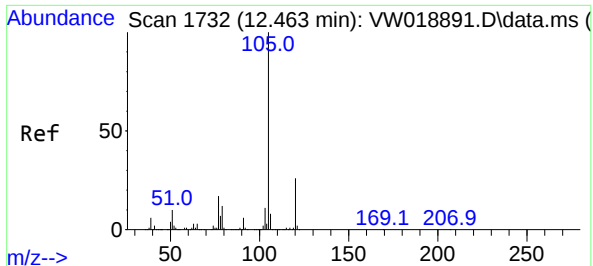
Tgt Ion:106 Resp: 61612
Ion Ratio Lower Upper
106 100
91 210.8 141.3 262.3



#54
o-Xylene
Concen: 4.82 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. 0.018 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Tgt Ion:106 Resp: 39845
Ion Ratio Lower Upper
106 100
91 236.7 150.0 278.6

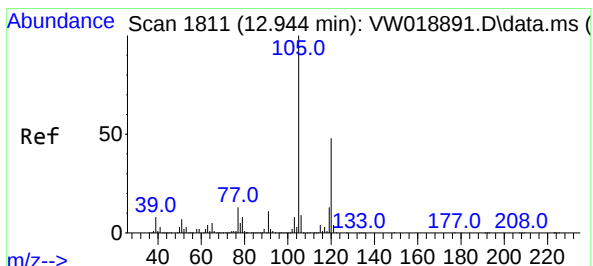
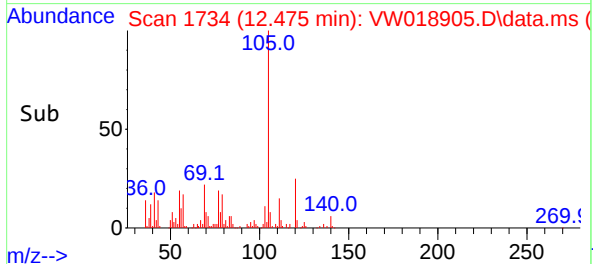
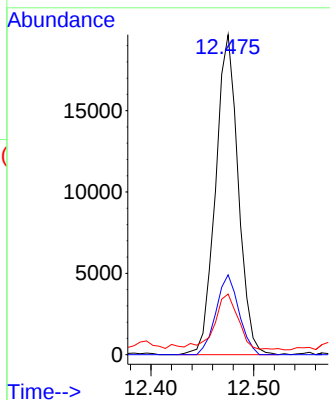
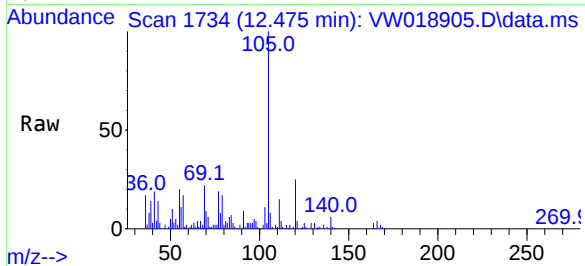




#60
Isopropylbenzene
Concen: 1.52 ug/L
RT: 12.475 min Scan# 1734
Delta R.T. 0.012 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

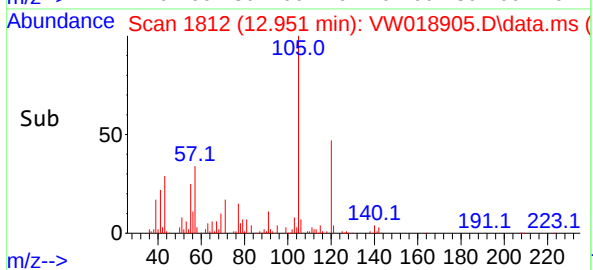
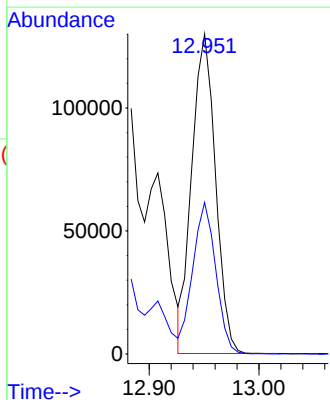
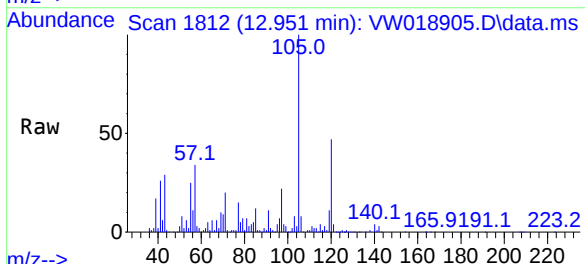
Instrument :
MSVOA_W
ClientSampled :

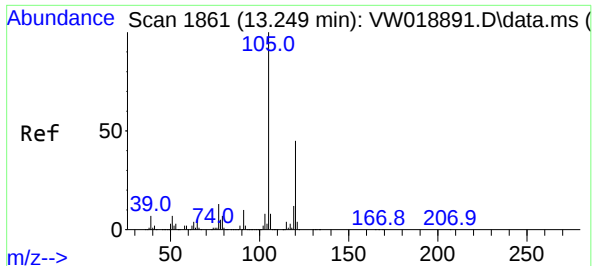
Tgt Ion:	105	Resp:	30087
Ion	Ratio	Lower	Upper
105	100		
120	25.2	21.1	31.7
77	18.0	13.2	19.8



#62
1,3,5-Trimethylbenzene
Concen: 11.82 ug/L
RT: 12.951 min Scan# 1812
Delta R.T. 0.006 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Tgt Ion:	105	Resp:	194982
Ion	Ratio	Lower	Upper
105	100		
120	46.3	39.0	58.6

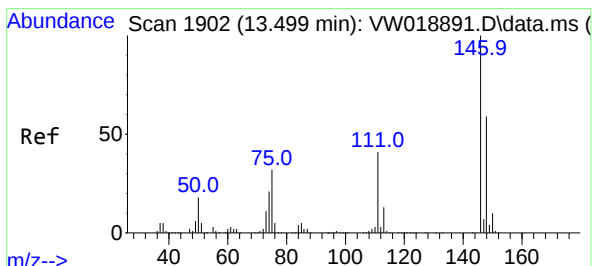
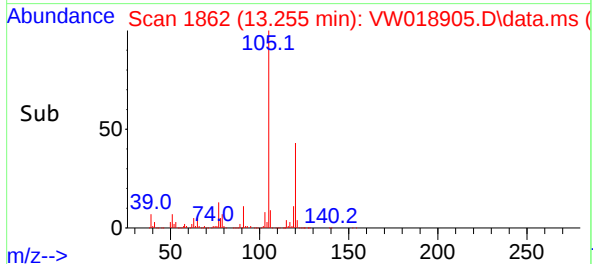
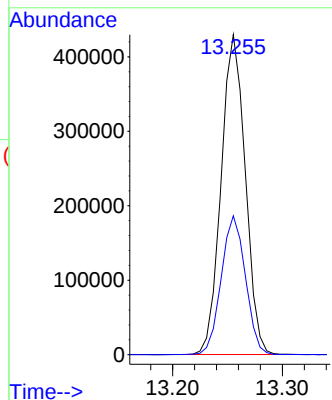
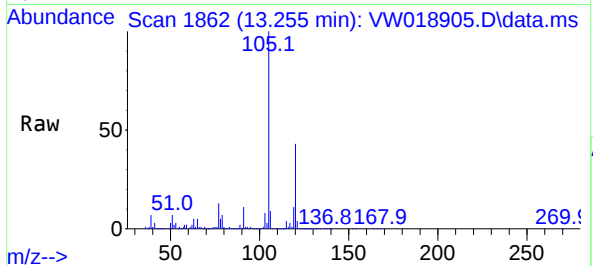




#63
1,2,4-Trimethylbenzene
Concen: 39.91 ug/L
RT: 13.255 min Scan# 1862
Delta R.T. 0.006 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

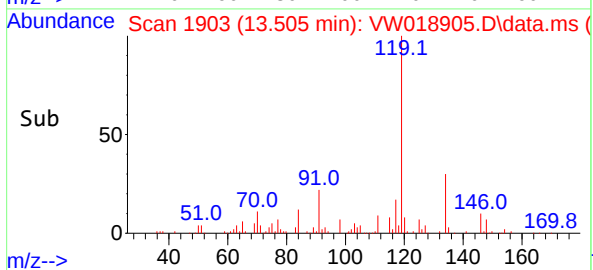
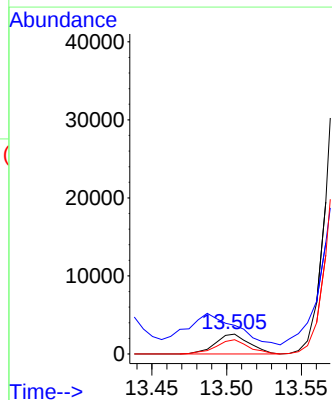
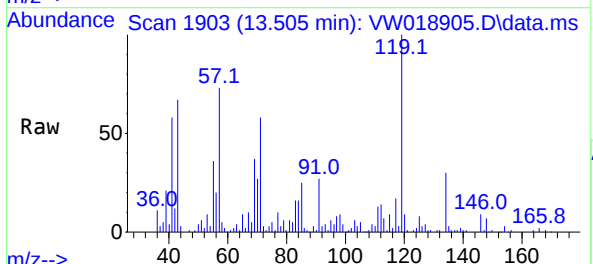
Instrument :
MSVOA_W
ClientSampled :

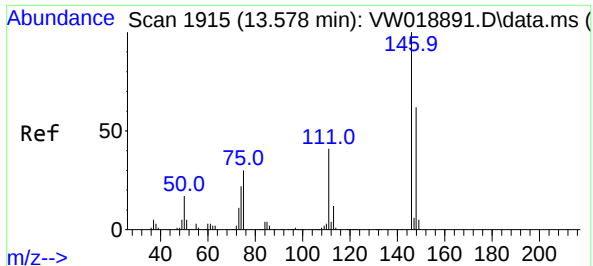
Tgt Ion:105 Resp: 658582
Ion Ratio Lower Upper
105 100
120 43.5 35.6 53.4



#64
1,3-Dichlorobenzene
Concen: 0.48 ug/L
RT: 13.505 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Tgt Ion:146 Resp: 4023
Ion Ratio Lower Upper
146 100
111 143.7 26.7 49.7#
148 71.7 41.1 76.3

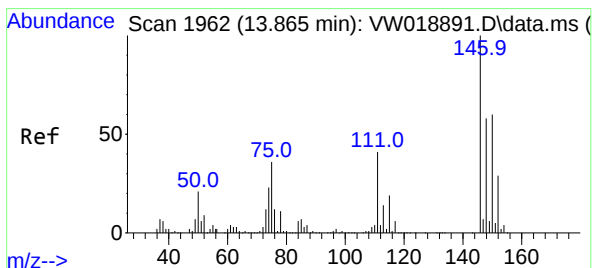
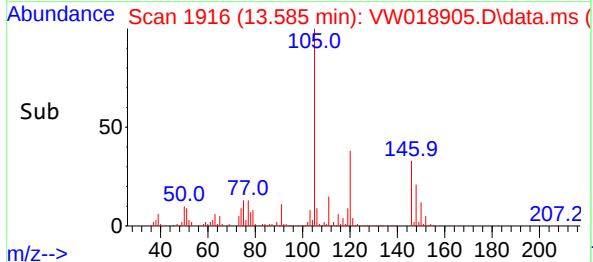
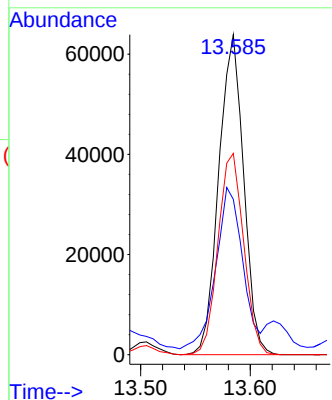
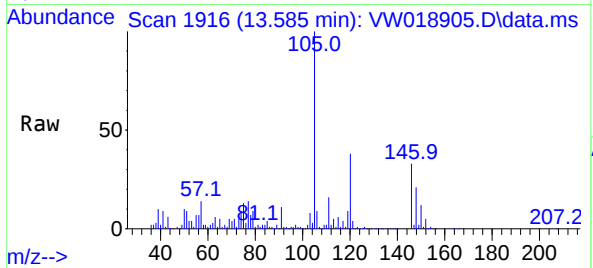




#65
1,4-Dichlorobenzene
Concen: 11.98 ug/L
RT: 13.585 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

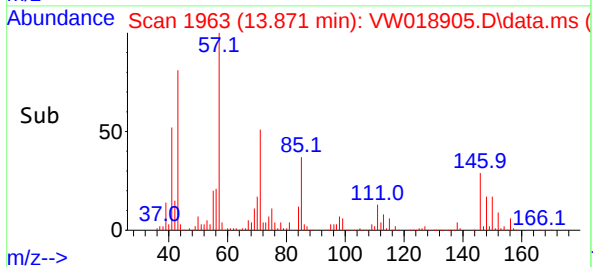
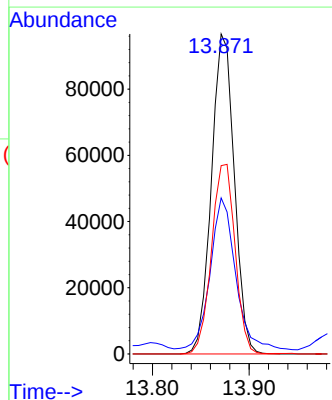
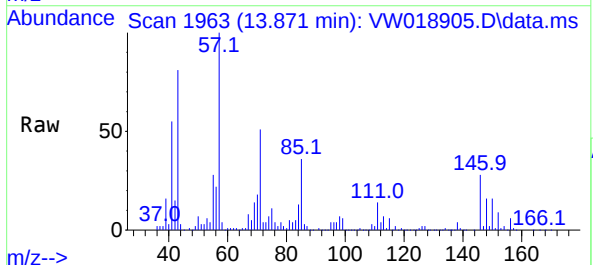
Instrument :
MSVOA_W
ClientSampled :

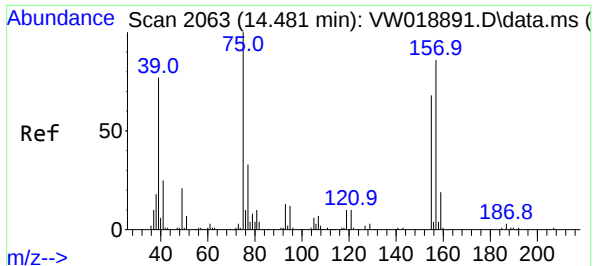
Tgt Ion:146 Resp: 100828
Ion Ratio Lower Upper
146 100
111 48.5 28.8 53.4
148 62.9 46.8 87.0



#67
1,2-Dichlorobenzene
Concen: 21.05 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Tgt Ion:146 Resp: 158794
Ion Ratio Lower Upper
146 100
111 48.7 33.2 49.8
148 58.9 50.4 75.6

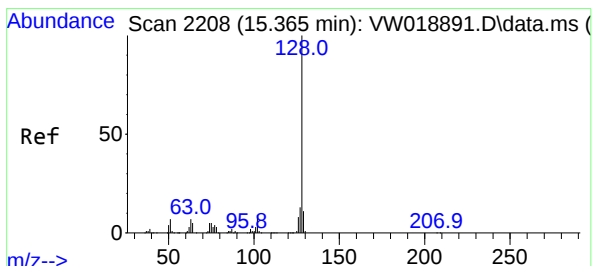
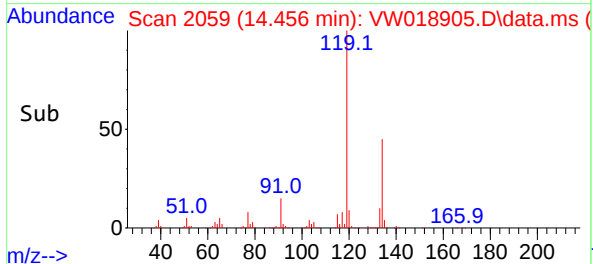
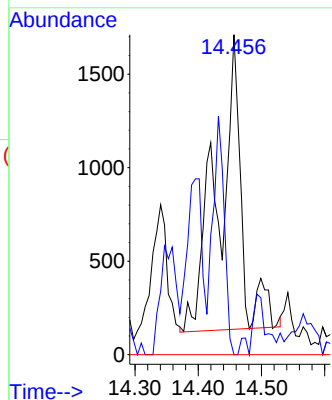
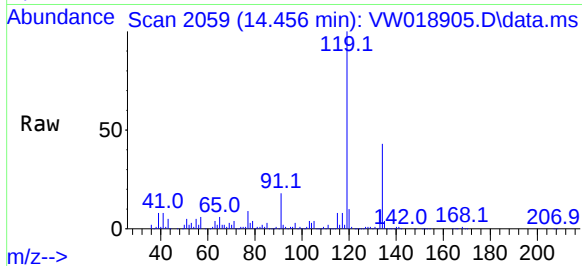




#68
1,2-Dibromo-3-chloropropane
Concen: 6.44 ug/L
RT: 14.456 min Scan# 2059
Delta R.T. -0.024 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 4019
Ion Ratio Lower Upper
75 100
155 0.0 59.4 89.0#
157 0.0 72.2 108.2#



#71
Naphthalene
Concen: 11.22 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018905.D
Acq: 03 May 2021 17:45

Tgt Ion:128 Resp: 118140
Ion Ratio Lower Upper
128 100
127 16.3 10.6 15.8#
129 11.6 9.0 13.6

