

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050321\
 Data File : VW018904.D
 Acq On : 03 May 2021 17:21
 Operator : SY/VA
 Sample : M2209-17
 Misc : 5.55G/10ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 04 01:18:04 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	8.848	114	520832	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.646	117	326427	25.00	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	13.560	152	145295	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	144853	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.72%
7) Chloroethane-d5	2.891	69	123741	23.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.60%
11) 1,1-Dichloroethene-d2	4.031	63	217596	16.40	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.60%
21) 2-Butanone-d5	7.086	46	88673	50.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.90%
24) Chloroform-d	7.653	84	313558	22.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.76%
26) 1,2-Dichloroethane-d4	8.311	65	185527	24.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	8.275	84	618855	33.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	134.20%
36) 1,2-Dichloropropane-d6	9.281	67	184235	33.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	134.68%#
41) Toluene-d8	10.329	98	531506	30.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	123.60%
43) trans-1,3-Dichloroprop...	10.585	79	77974	31.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	125.44%
47) 2-Hexanone-d5	11.024	63	653	0.67	ug/L	0.10
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1.34%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	125492	27.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.28%
66) 1,2-Dichlorobenzene-d4	13.853	152	116303	23.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.44%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	4.044	96	4160	0.62	ug/L #	1
13) Acetone	4.135	43	15350	11.51	ug/L	99
14) Carbon disulfide	4.397	76	35494	1.78	ug/L	97
16) Methylene chloride	4.934	84	24541	2.85	ug/L	87
22) 2-Butanone	7.189	43	10499	5.68	ug/L	86
33) Benzene	8.323	78	43334	2.22	ug/L	100
34) Trichloroethene	9.092	95	571315	109.57	ug/L	92
39) cis-1,3-Dichloropropene	10.043	75	6228	0.83	ug/L #	77
42) Toluene	10.396	91	31017	1.44	ug/L	97
45) 1,1,2-Trichloroethane	10.774	97	1642	0.44	ug/L #	24
46) Tetrachloroethene	10.860	164	16176860	4125.78	ug/L	96
48) 2-Hexanone	10.994	43	2213	1.16	ug/L #	42
49) Dibromochloromethane	11.128	129	2571	0.63	ug/L #	13
52) Ethylbenzene	11.744	91	22207	0.93	ug/L	90
53) m,p-Xylene	11.841	106	25660	2.90	ug/L	79
54) o-Xylene	12.170	106	14691	1.74	ug/L	90
60) Isopropylbenzene	12.469	105	12583	0.61	ug/L	95
62) 1,3,5-Trimethylbenzene	12.945	105	88408	5.11	ug/L	95
63) 1,2,4-Trimethylbenzene	13.255	105	273481	15.79	ug/L	98

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

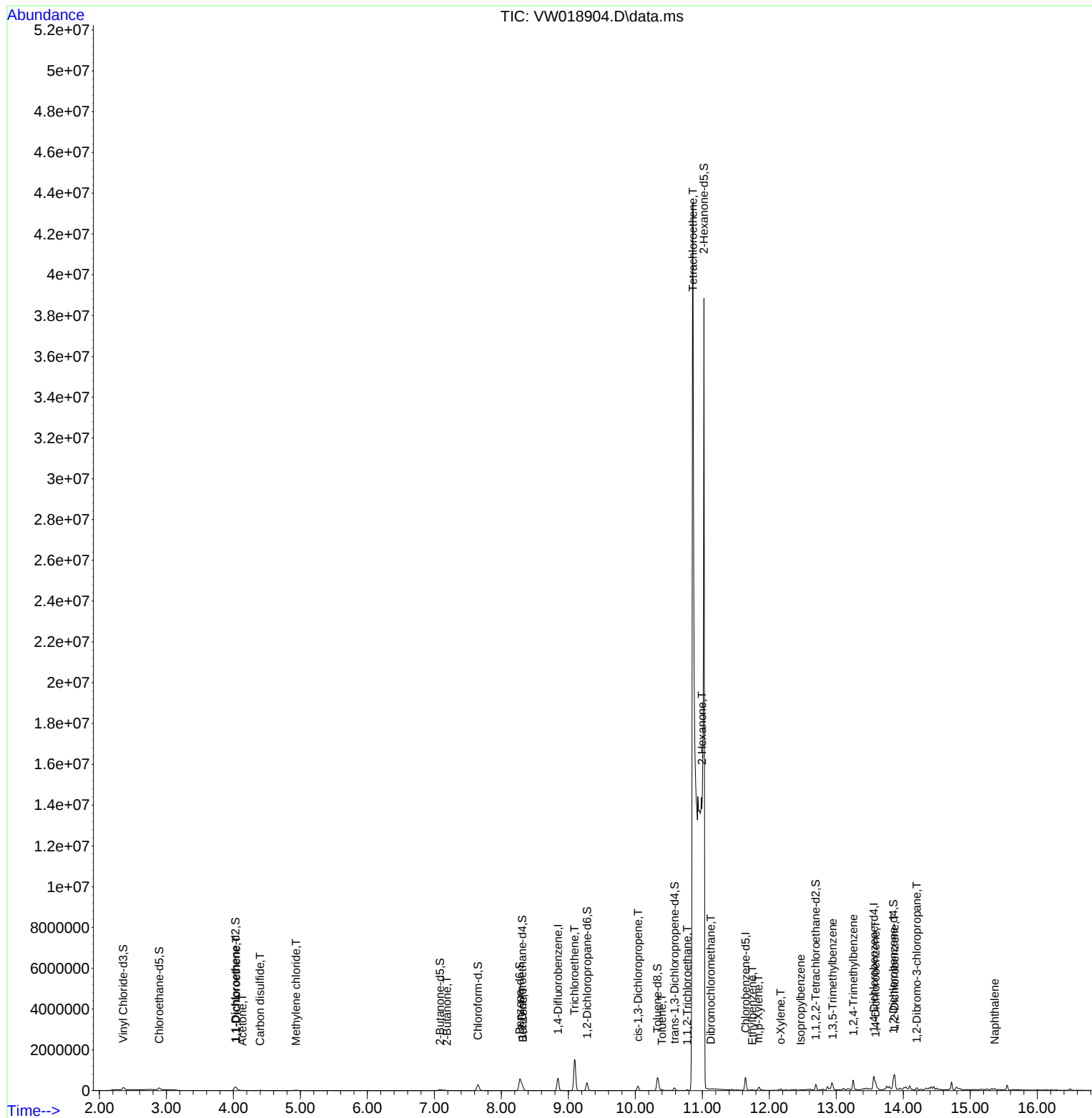
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	13.585	146	48280	5.47	ug/L	98
67) 1,2-Dichlorobenzene	13.871	146	54674	6.90	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.200	75	1082	1.65	ug/L #	8
71) Naphthalene	15.365	128	60083	5.44	ug/L	97

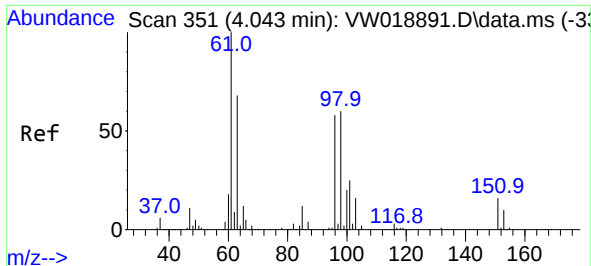
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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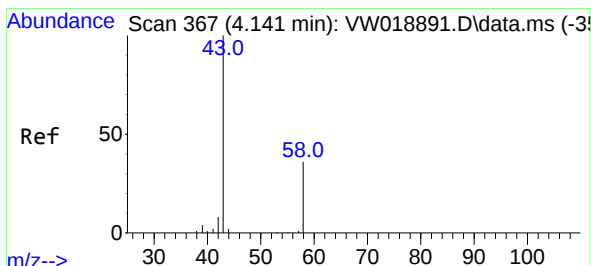
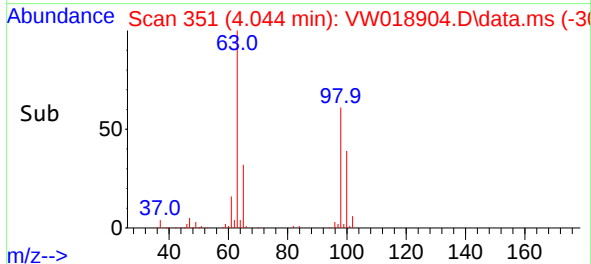
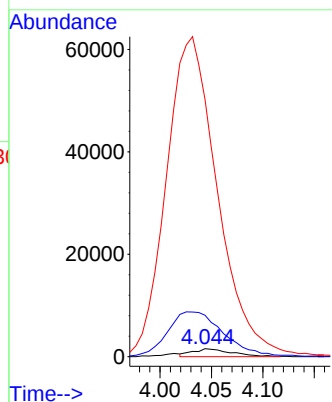
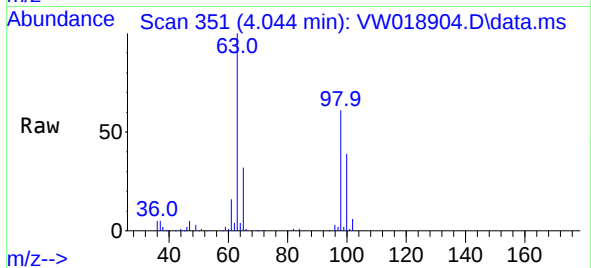




#12
1,1-Dichloroethene
Concen: 0.62 ug/L
RT: 4.044 min Scan# 351
Delta R.T. 0.000 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

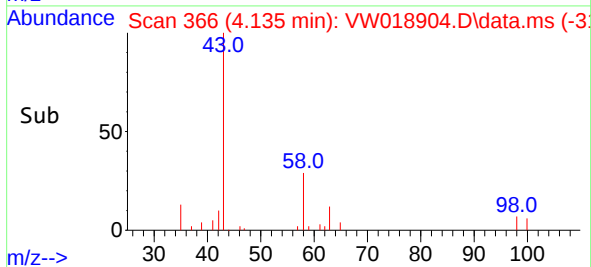
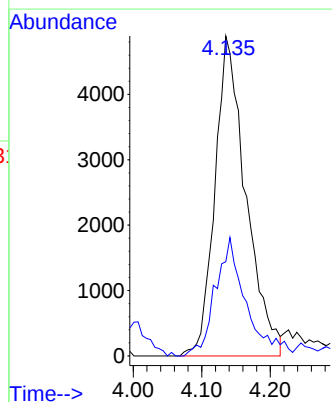
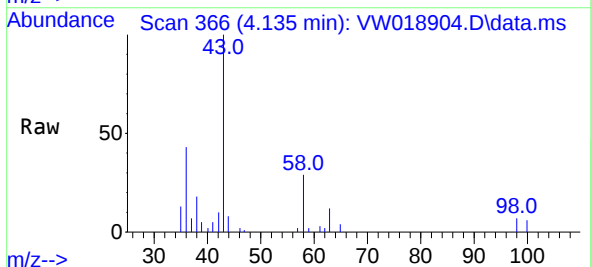
Instrument :
MSVOA_W
ClientSampled :

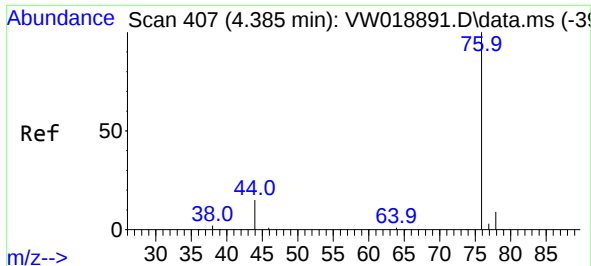
Tgt Ion: 96 Resp: 4160
Ion Ratio Lower Upper
96 100
61 516.3 118.1 219.3#
63 3207.1 83.7 155.5#



#13
Acetone
Concen: 11.51 ug/L
RT: 4.135 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

Tgt Ion: 43 Resp: 15350
Ion Ratio Lower Upper
43 100
58 27.4 0.0 53.8

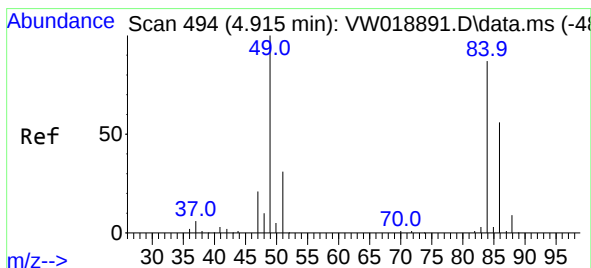
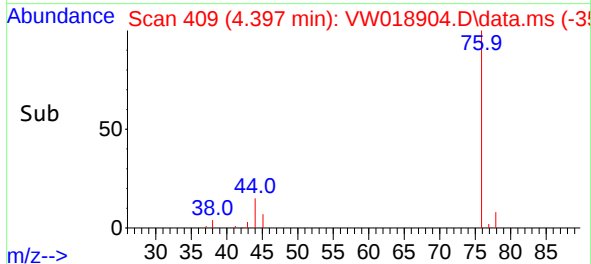
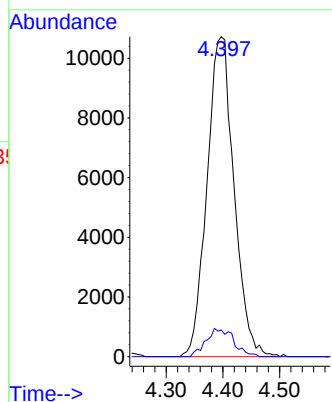
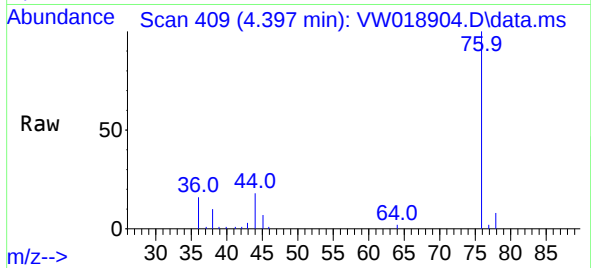




#14
Carbon disulfide
Concen: 1.78 ug/L
RT: 4.397 min Scan# 409
Delta R.T. 0.012 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

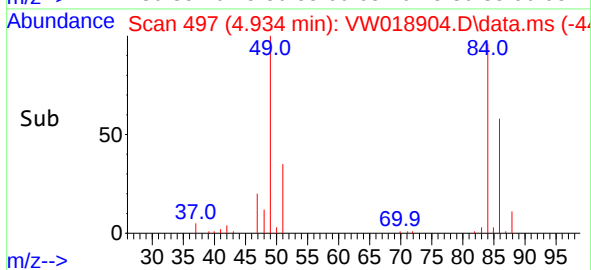
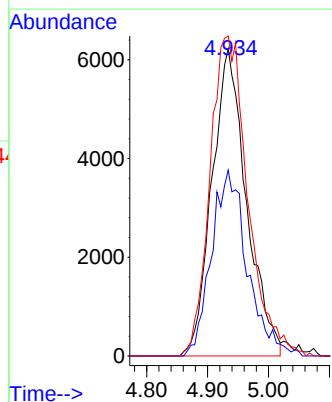
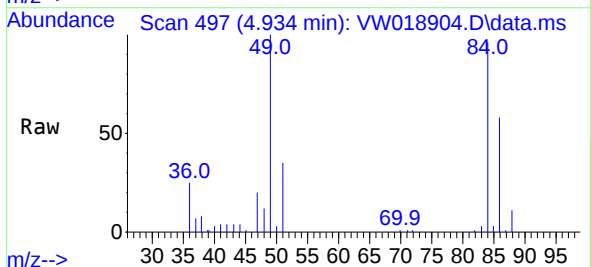
Instrument :
MSVOA_W
ClientSampled :

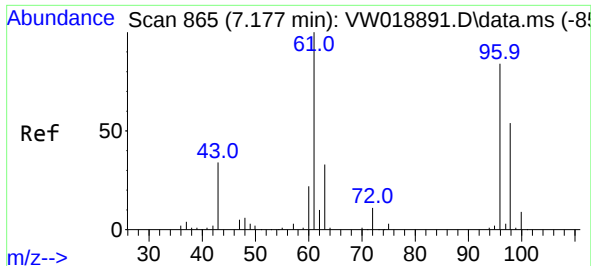
Tgt Ion: 76 Resp: 35494
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#16
Methylene chloride
Concen: 2.85 ug/L
RT: 4.934 min Scan# 497
Delta R.T. 0.019 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

Tgt Ion: 84 Resp: 24541
Ion Ratio Lower Upper
84 100
86 60.4 45.3 84.1
49 104.1 86.6 160.8

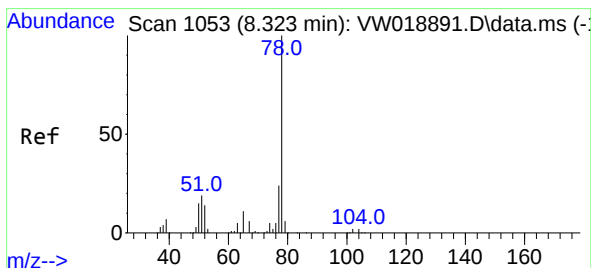
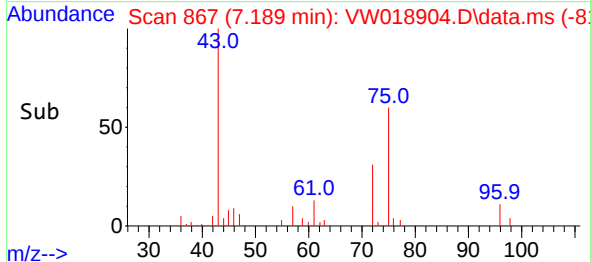
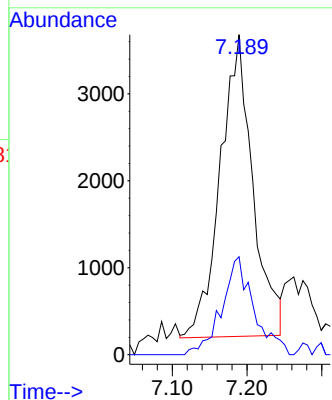
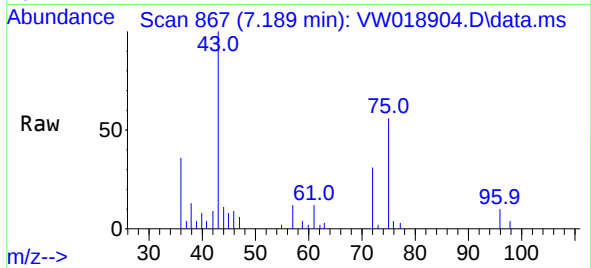




#22
2-Butanone
Concen: 5.68 ug/L
RT: 7.189 min Scan# 867
Delta R.T. 0.012 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

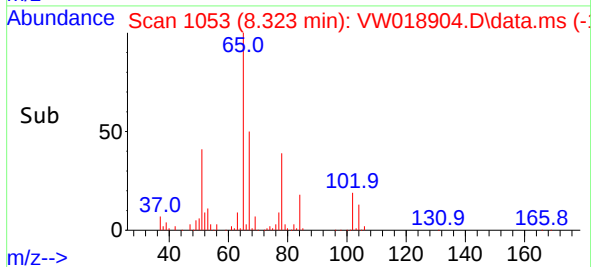
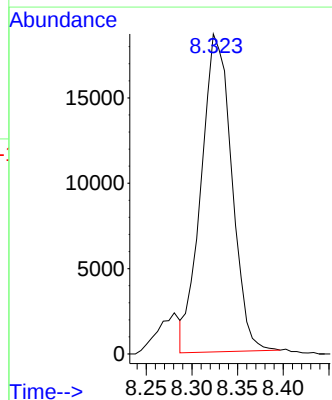
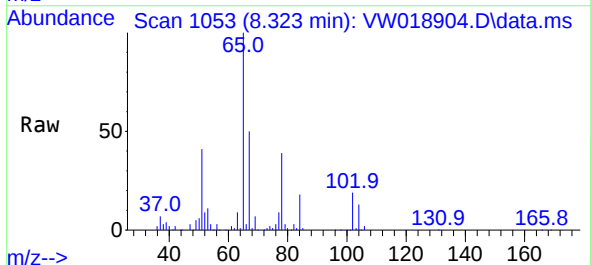
Instrument :
MSVOA_W
ClientSampled :

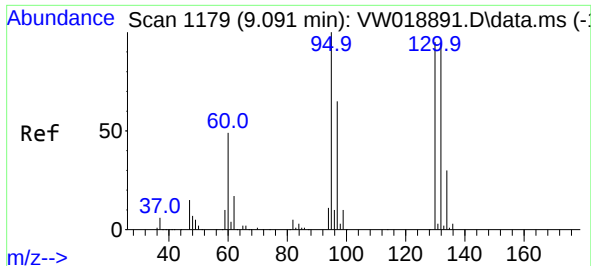
Tgt Ion: 43 Resp: 10499
Ion Ratio Lower Upper
43 100
72 22.3 14.9 44.7



#33
Benzene
Concen: 2.22 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

Tgt Ion: 78 Resp: 43334



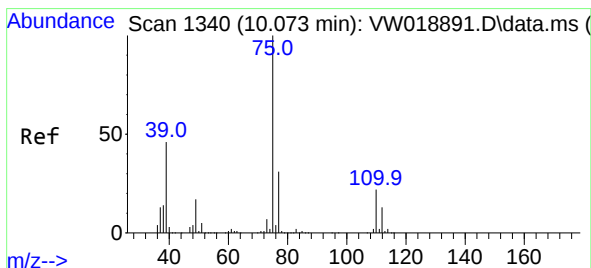
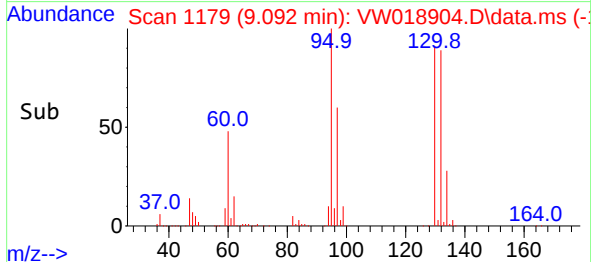
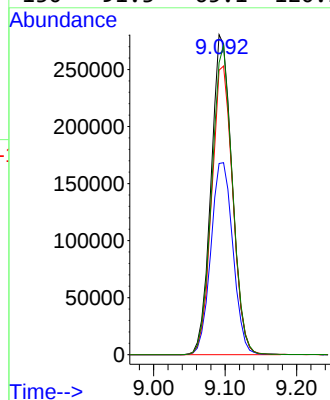
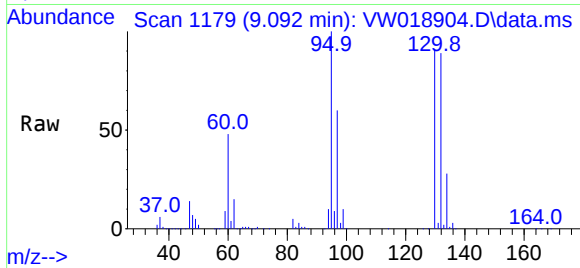


#34
Trichloroethene
Concen: 109.57 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 95 Resp: 571315

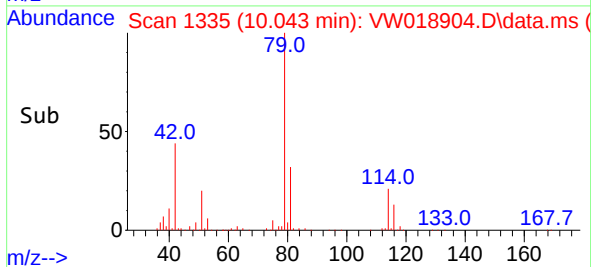
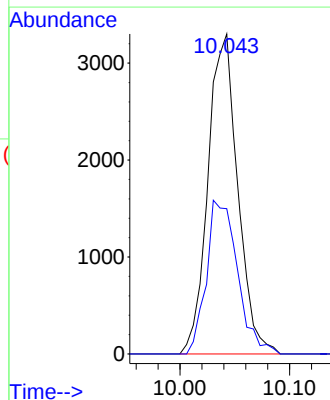
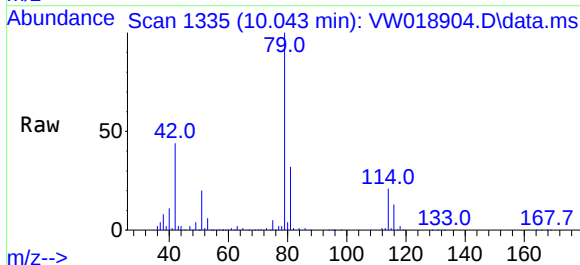
Ion	Ratio	Lower	Upper
95	100		
97	59.8	47.3	87.8
132	88.9	71.0	131.8
130	91.3	65.1	120.9

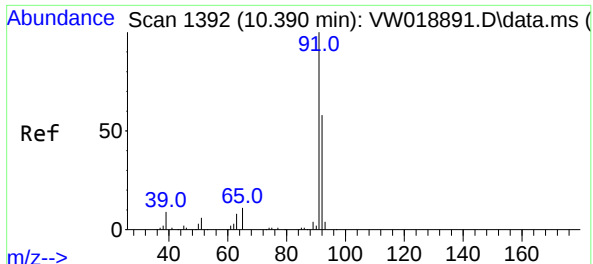


#39
cis-1,3-Dichloropropene
Concen: 0.83 ug/L
RT: 10.043 min Scan# 1335
Delta R.T. -0.030 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

Tgt Ion: 75 Resp: 6228

Ion	Ratio	Lower	Upper
75	100		
77	45.4	22.6	42.0#

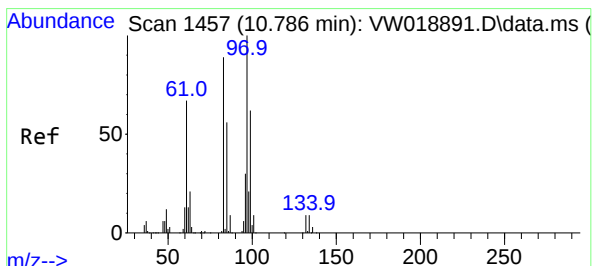
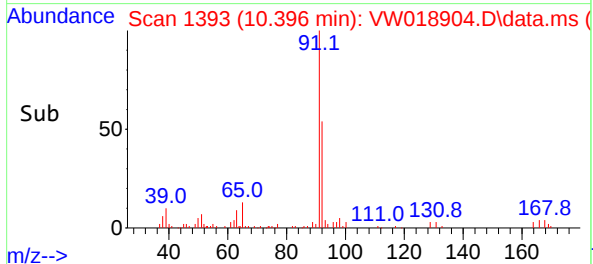
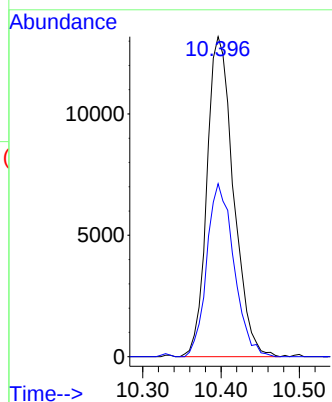
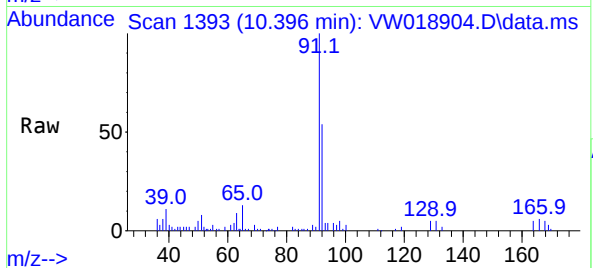




#42
Toluene
Concen: 1.44 ug/L
RT: 10.396 min Scan# 1393
Delta R.T. 0.006 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

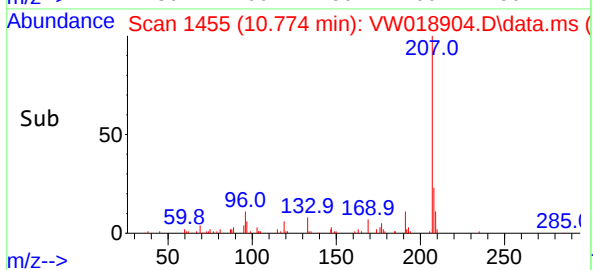
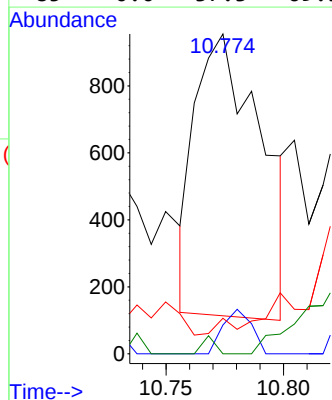
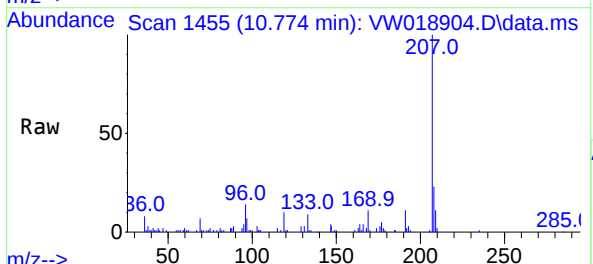
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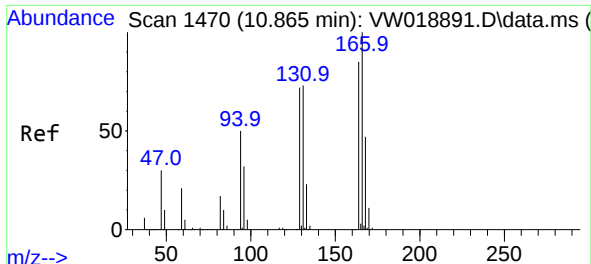
Tgt Ion: 91 Resp: 31017
Ion Ratio Lower Upper
91 100
92 54.0 39.5 73.3



#45
1,1,2-Trichloroethane
Concen: 0.44 ug/L
RT: 10.774 min Scan# 1455
Delta R.T. -0.012 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

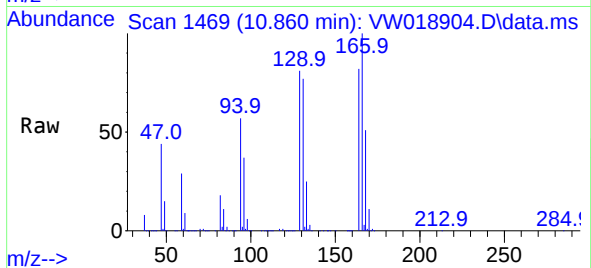
Tgt Ion: 97 Resp: 1642
Ion Ratio Lower Upper
97 100
99 9.0 45.1 83.7#
83 11.1 58.1 107.9#
85 0.0 37.3 69.3#



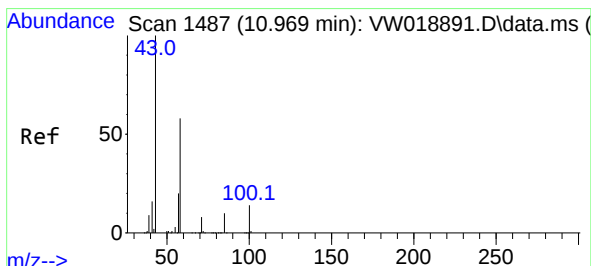
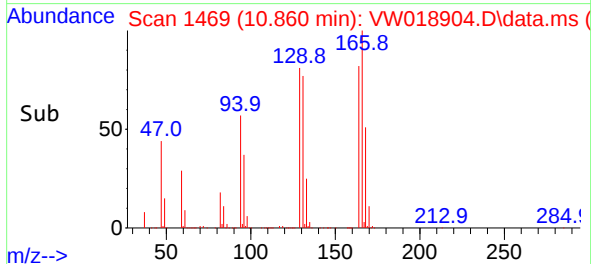
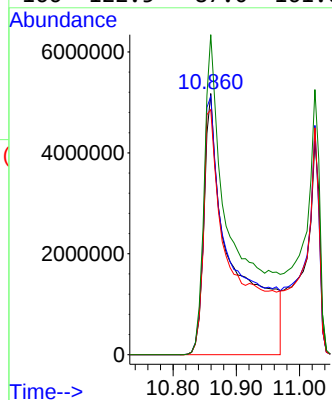


#46
Tetrachloroethene
Concen: 4125.78 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

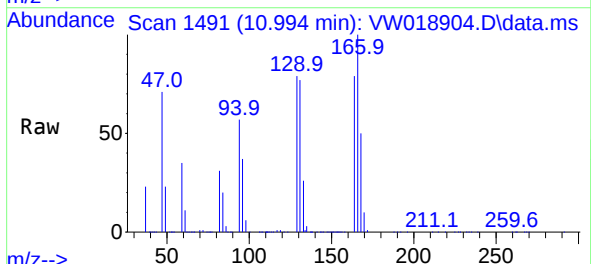
Instrument :
MSVOA_W
ClientSampleId :



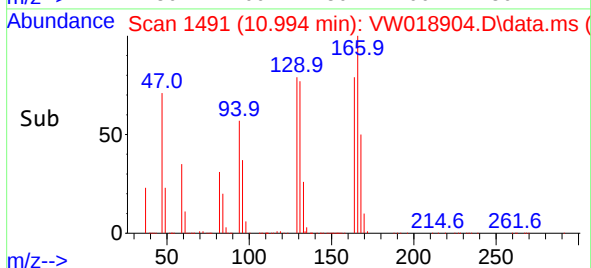
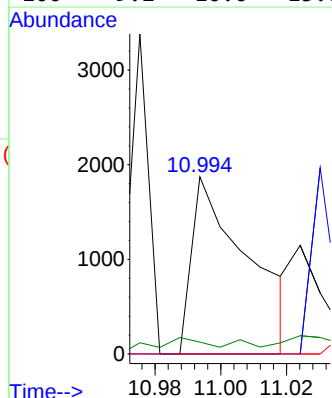
Tgt Ion:164 Resp:16176860
Ion Ratio Lower Upper
164 100
129 98.9 66.7 123.9
131 93.8 61.1 113.5
166 122.5 87.0 161.6

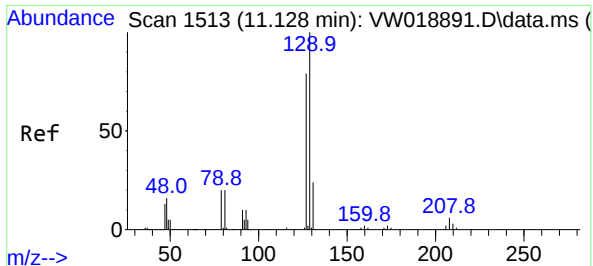


#48
2-Hexanone
Concen: 1.16 ug/L
RT: 10.994 min Scan# 1491
Delta R.T. 0.025 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21



Tgt Ion: 43 Resp: 2213
Ion Ratio Lower Upper
43 100
58 0.0 42.7 64.1#
57 0.0 15.8 23.8#
100 9.2 10.0 15.0#





#49

Dibromochloromethane

Concen: 0.63 ug/L

RT: 11.128 min Scan# 1513

Delta R.T. 0.000 min

Lab File: VW018904.D

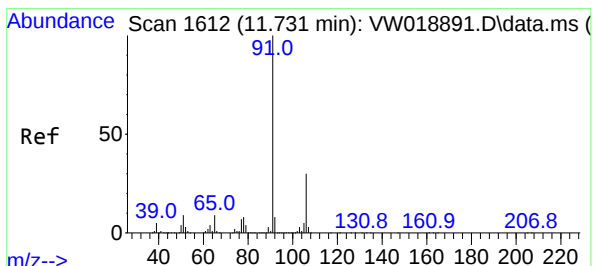
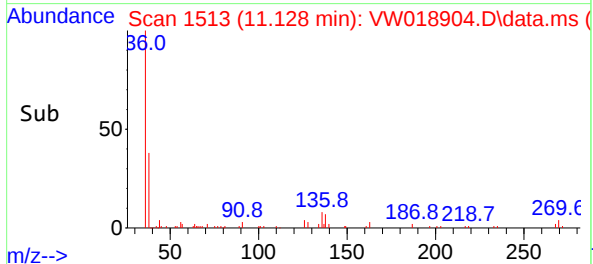
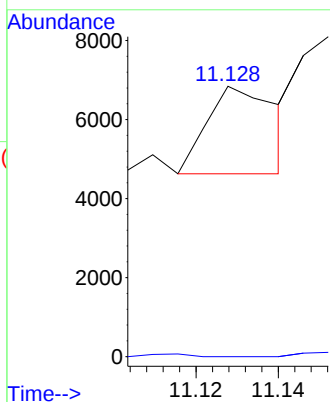
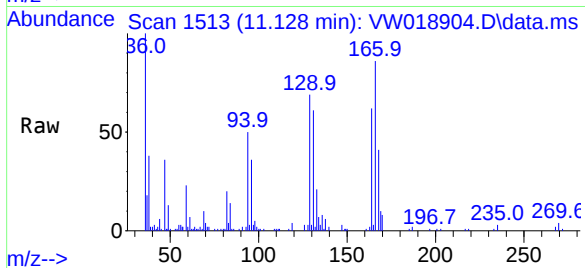
Acq: 03 May 2021 17:21

Tgt Ion:129 Resp: 2571

Ion Ratio Lower Upper

129 100

127 0.0 51.7 95.9#



#52

Ethylbenzene

Concen: 0.93 ug/L

RT: 11.744 min Scan# 1614

Delta R.T. 0.012 min

Lab File: VW018904.D

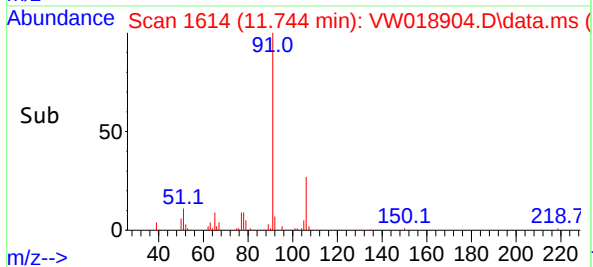
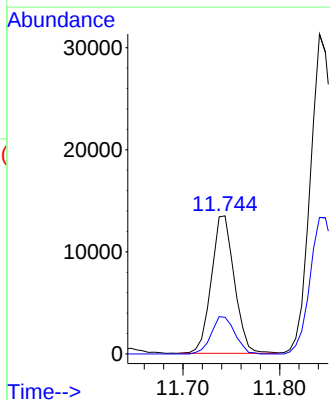
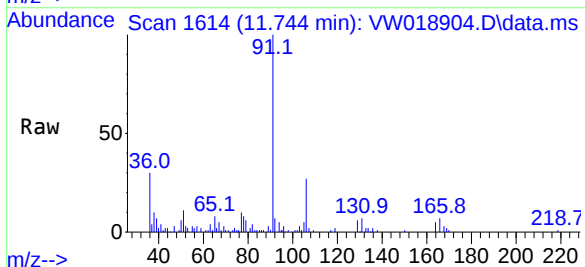
Acq: 03 May 2021 17:21

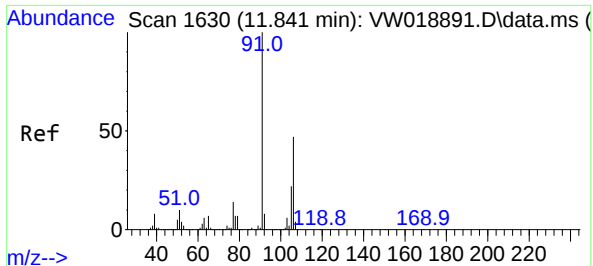
Tgt Ion: 91 Resp: 22207

Ion Ratio Lower Upper

91 100

106 26.5 22.5 41.7

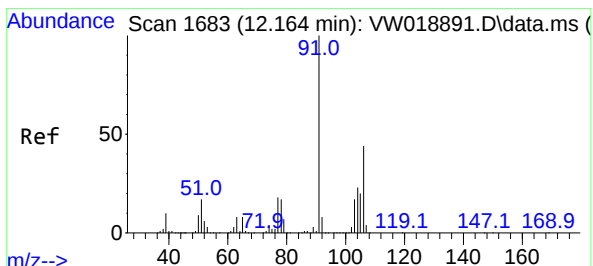
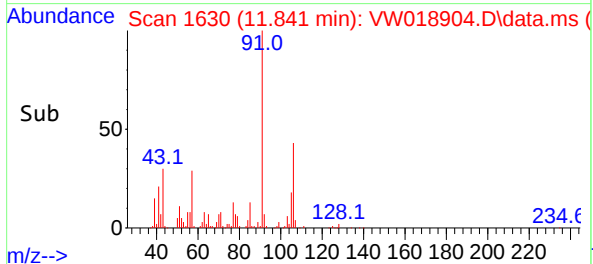
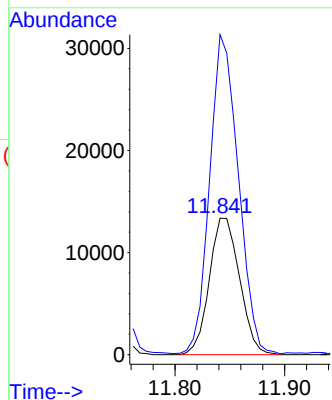
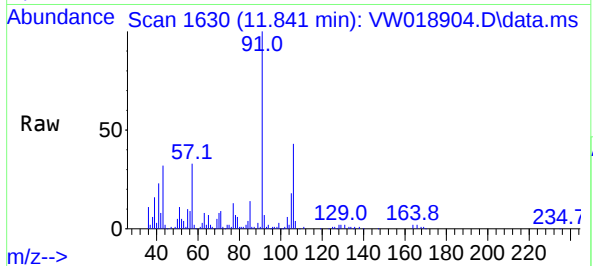




#53
m,p-Xylene
Concen: 2.90 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

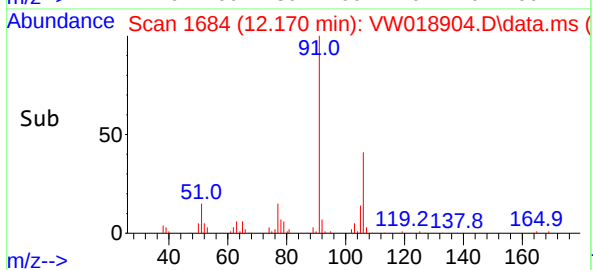
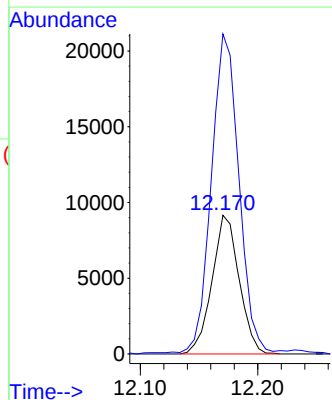
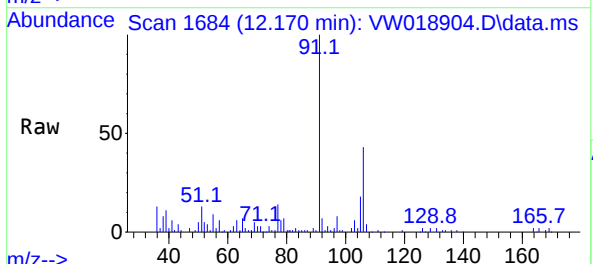
Instrument :
MSVOA_W
ClientSampled :

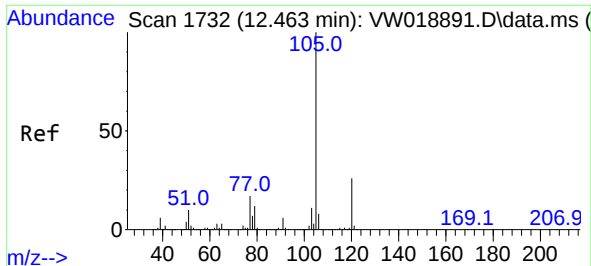
Tgt Ion:106 Resp: 25660
Ion Ratio Lower Upper
106 100
91 234.5 141.3 262.3



#54
o-Xylene
Concen: 1.74 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

Tgt Ion:106 Resp: 14691
Ion Ratio Lower Upper
106 100
91 230.8 150.0 278.6

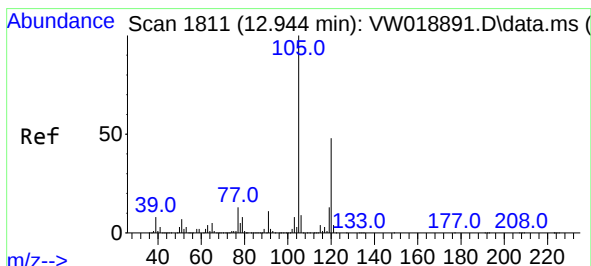
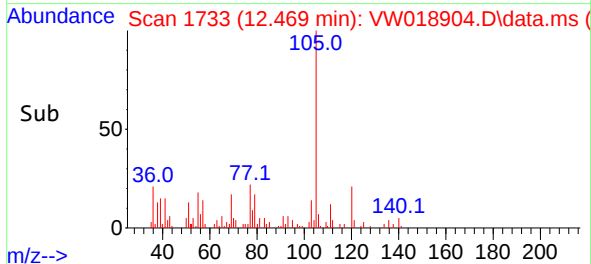
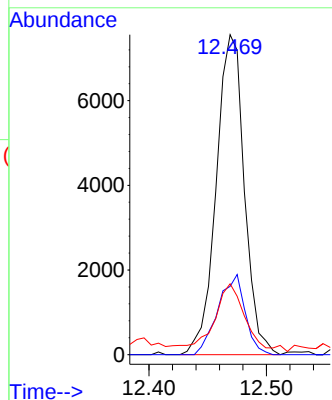
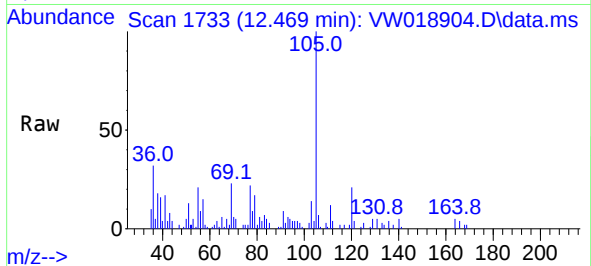




#60
Isopropylbenzene
Concen: 0.61 ug/L
RT: 12.469 min Scan# 1733
Delta R.T. 0.006 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

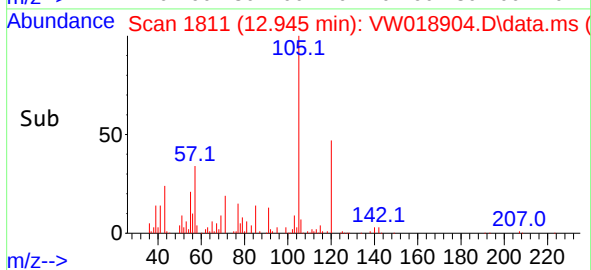
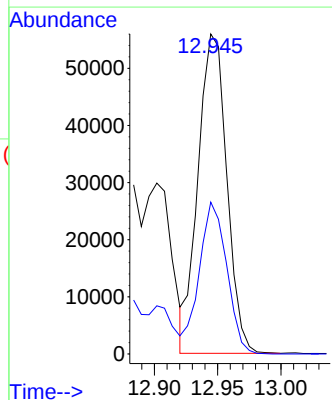
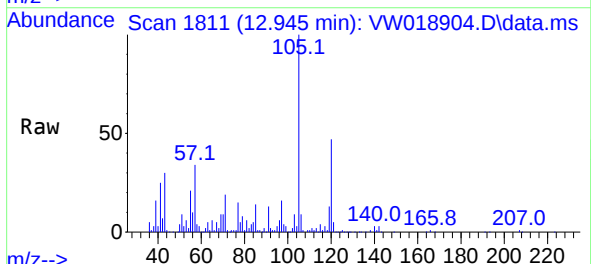
Instrument :
MSVOA_W
ClientSampled :

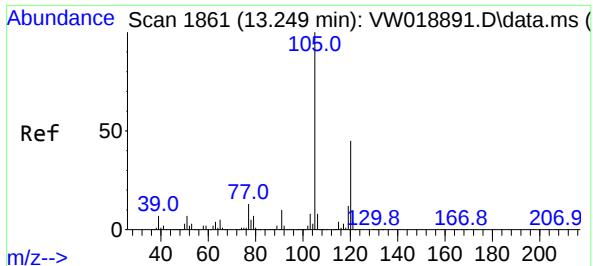
Tgt Ion:	105	Resp:	12583
Ion Ratio	Lower	Upper	
105	100		
120	24.2	21.1	31.7
77	19.4	13.2	19.8



#62
1,3,5-Trimethylbenzene
Concen: 5.11 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

Tgt Ion:	105	Resp:	88408
Ion Ratio	Lower	Upper	
105	100		
120	45.7	39.0	58.6

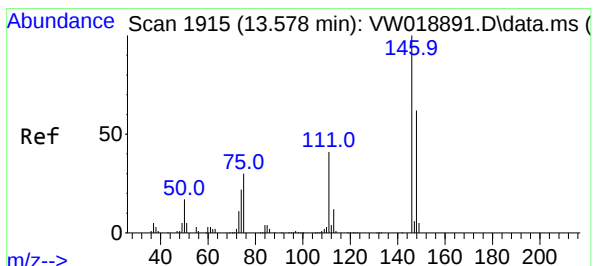
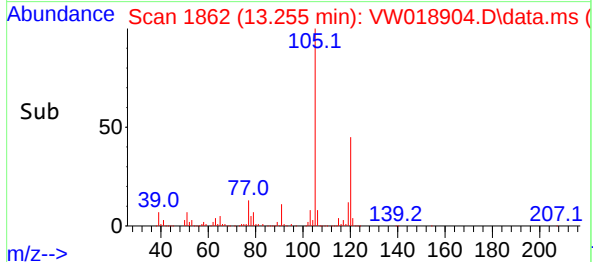
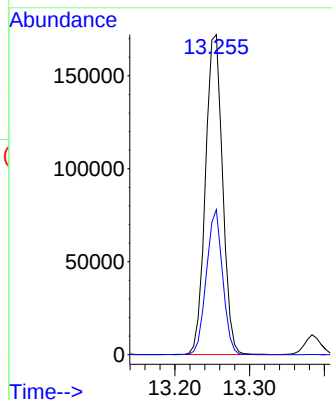
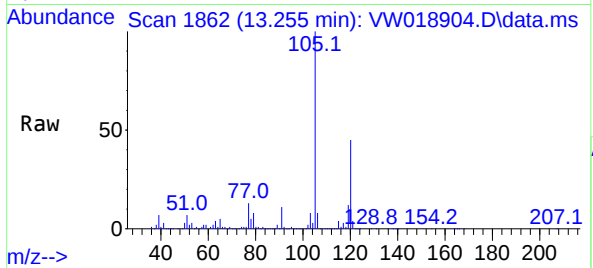




#63
1,2,4-Trimethylbenzene
Concen: 15.79 ug/L
RT: 13.255 min Scan# 1862
Delta R.T. 0.006 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

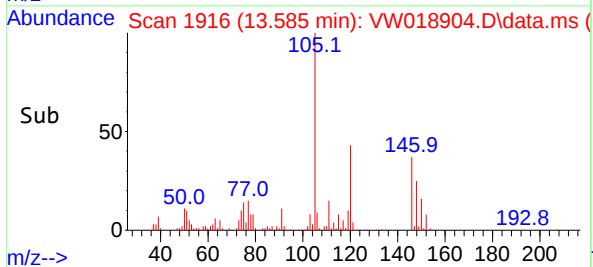
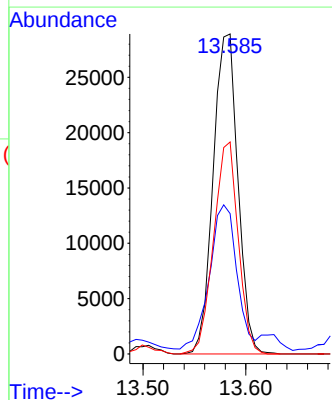
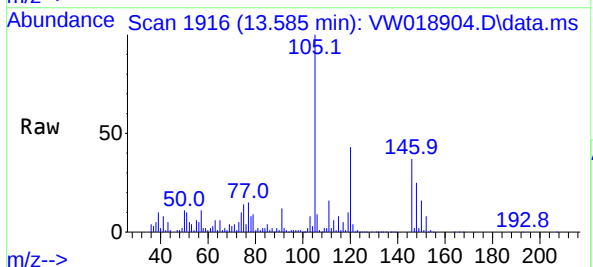
Instrument :
MSVOA_W
ClientSampled :

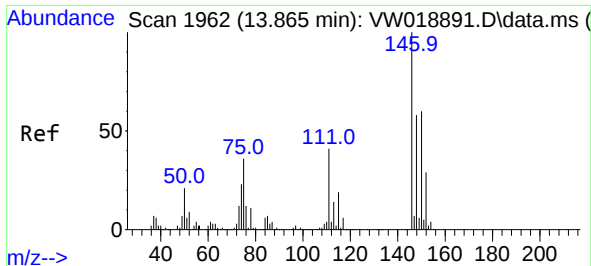
Tgt Ion:105 Resp: 273481
Ion Ratio Lower Upper
105 100
120 43.0 35.6 53.4



#65
1,4-Dichlorobenzene
Concen: 5.47 ug/L
RT: 13.585 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

Tgt Ion:146 Resp: 48280
Ion Ratio Lower Upper
146 100
111 43.9 28.8 53.4
148 66.3 46.8 87.0

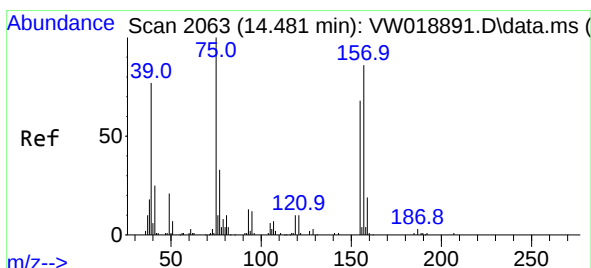
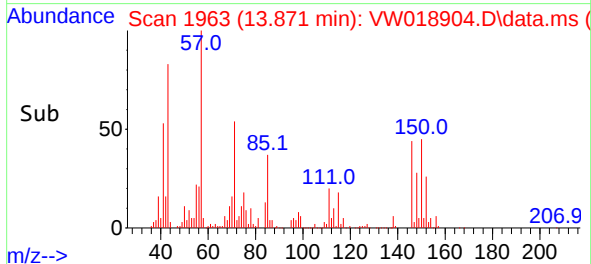
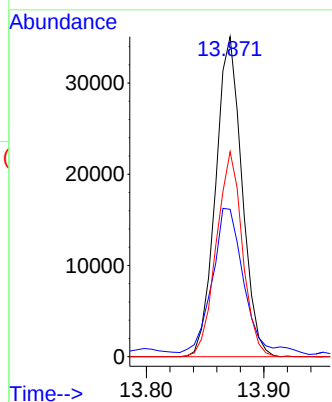
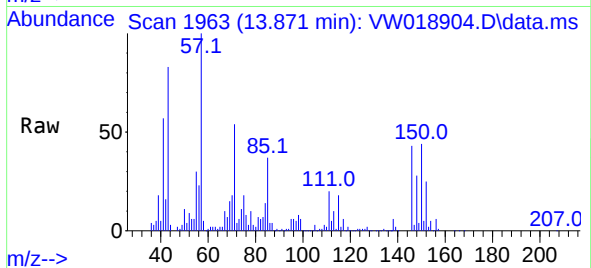




#67
1,2-Dichlorobenzene
Concen: 6.90 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

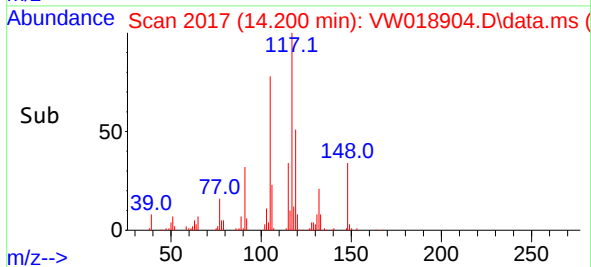
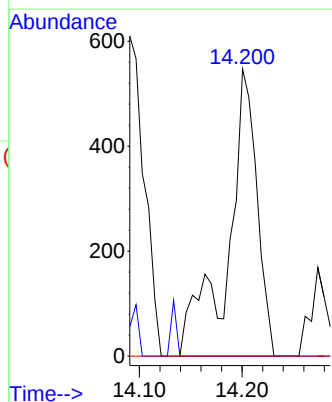
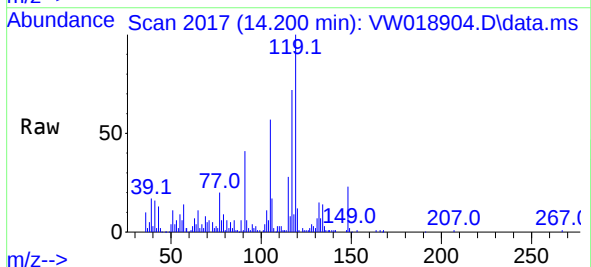
Instrument :
MSVOA_W
ClientSampled :

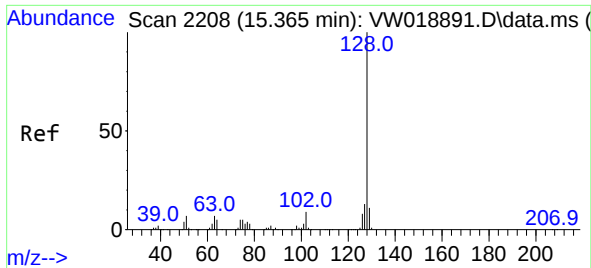
Tgt Ion:146 Resp: 54674
Ion Ratio Lower Upper
146 100
111 46.0 33.2 49.8
148 64.0 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 1.65 ug/L
RT: 14.200 min Scan# 2017
Delta R.T. -0.280 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

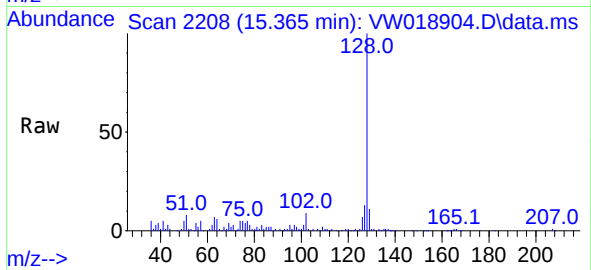
Tgt Ion: 75 Resp: 1082
Ion Ratio Lower Upper
75 100
155 0.0 59.4 89.0#
157 0.0 72.2 108.2#





#71
Naphthalene
Concen: 5.44 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018904.D
Acq: 03 May 2021 17:21

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion:128 Resp: 60083
Ion Ratio Lower Upper
128 100
127 14.7 10.6 15.8
129 10.6 9.0 13.6

