

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW060421\
 Data File : VW019126.D
 Acq On : 04 Jun 2021 12:28
 Operator : SY/VA
 Sample : M2596-07
 Misc : 4.75G/10ML/MSVOA_W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 05 00:38:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Jun 05 00:35:45 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	713362	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	654968	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	242093	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	232946	24.695	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.760%
7) Chloroethane-d5	2.898	69	179824	22.382	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.520%
11) 1,1-Dichloroethene-d2	4.026	63	320790	17.116	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	68.480%
21) 2-Butanone-d5	7.080	46	84911	34.364	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.720%
24) Chloroform-d	7.653	84	421914	21.999	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	8.305	65	215601	20.041	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.160%
32) Benzene-d6	8.281	84	869233	23.294	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.160%
36) 1,2-Dichloropropane-d6	9.275	67	266653	23.571	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.280%
41) Toluene-d8	10.323	98	872158	25.449	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.800%
43) trans-1,3-Dichloroprop...	10.579	79	121638	24.826	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.320%
47) 2-Hexanone-d5	10.927	63	79730	41.561	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.120%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	181247	19.422	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.680%
66) 1,2-Dichlorobenzene-d4	13.853	152	177737	21.034	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.120%
Target Compounds						
					Qvalue	
13) Acetone	4.141	43	46952	21.444	ug/L	99
16) Methylene chloride	4.922	84	34951	2.640	ug/L	90
22) 2-Butanone	7.183	43	20596	7.035	ug/L #	65
29) Cyclohexane	7.933	56	79756	4.680	ug/L #	15
33) Benzene	8.330	78	28736	0.667	ug/L	100
35) Methylcyclohexane	9.336	83	469146	24.276	ug/L #	67
38) Bromodichloromethane	9.622	83	106337	7.747	ug/L #	33
40) 4-Methyl-2-pentanone	10.250	43	262203	41.604	ug/L #	74
42) Toluene	10.390	91	100703	2.173	ug/L	97
45) 1,1,2-Trichloroethane	10.762	97	867858	108.920	ug/L #	25
48) 2-Hexanone	11.000	43	14078	3.323	ug/L #	40
50) 1,2-Dibromoethane	11.207	107	7148	0.926	ug/L #	1
52) Ethylbenzene	11.731	91	147243	2.888	ug/L	88
53) m,p-Xylene	11.841	106	96279	5.120	ug/L	99
54) o-Xylene	12.164	106	25391	1.418	ug/L	68
57) 1,1,2,2-Tetrachloroethane	12.695	83	29834	3.038	ug/L #	69
60) Isopropylbenzene	12.463	105	1965260	54.222	ug/L	98
61) 1,2,3-Trichloropropane	12.804	75	55399	10.228	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.945	105	28299	0.951	ug/L	94

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ALS Vial : 4 Sample Multiplier: 1

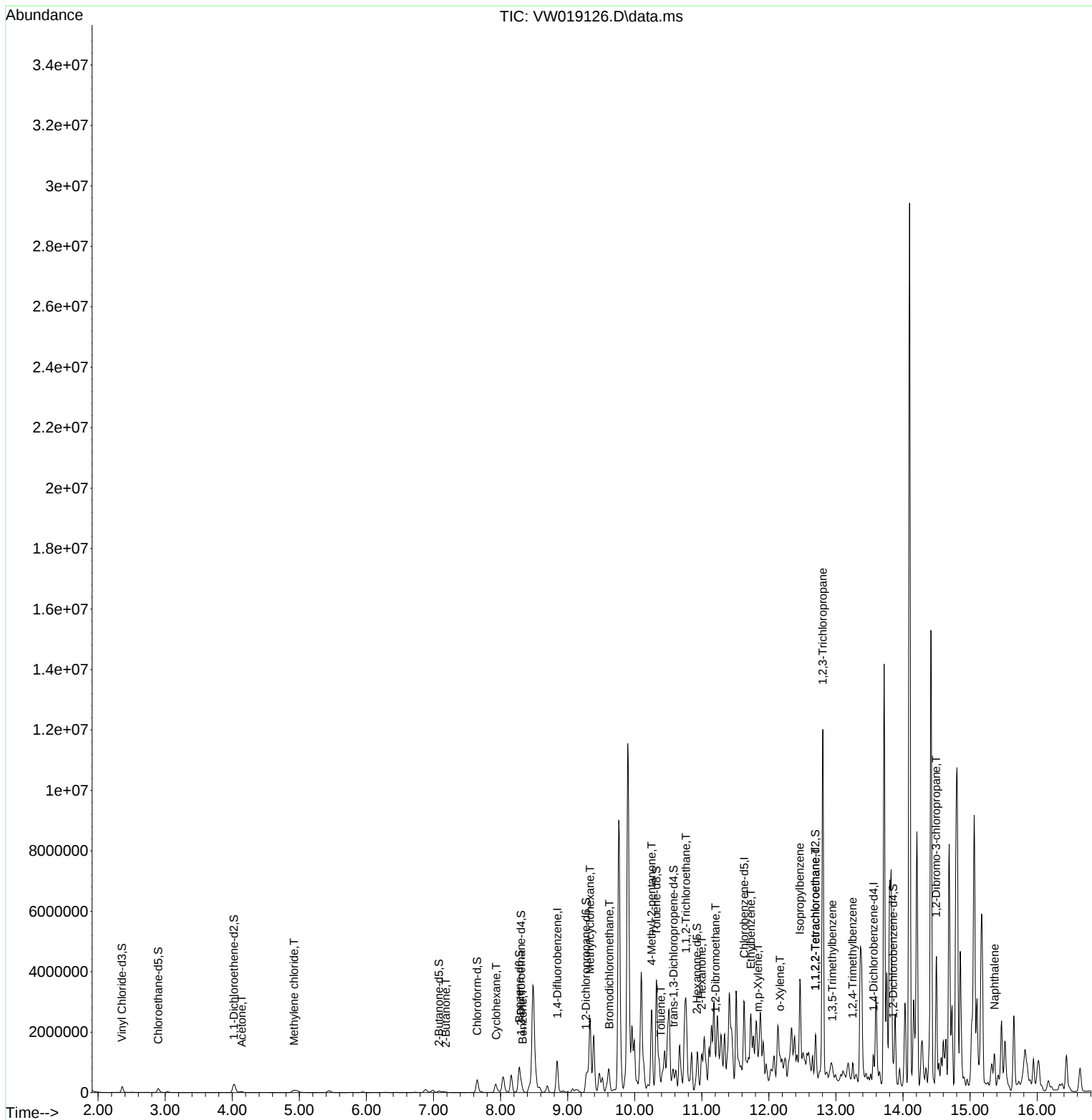
Instrument :
MSVOA_W
ClientSampleId :

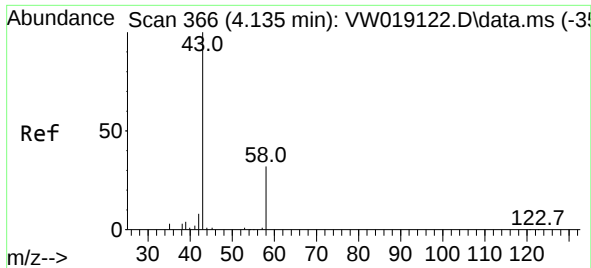
Quant Time: Jun 05 00:38:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM060221SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Jun 05 00:35:45 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	13.249	105	335285	11.283	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.493	75	19491	16.440	ug/L #	8
71) Naphthalene	15.365	128	955952	51.115	ug/L	97

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

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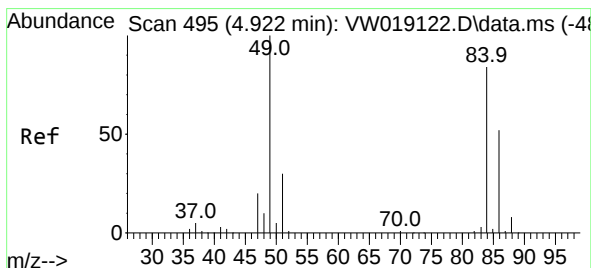
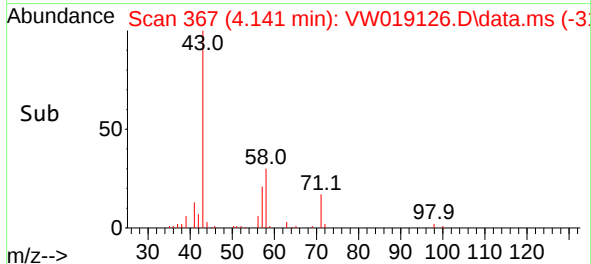
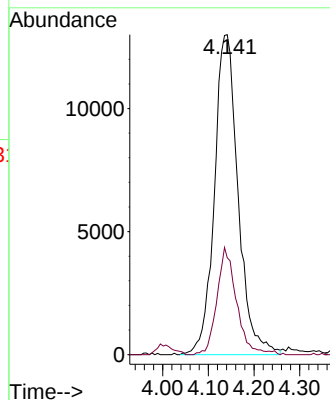
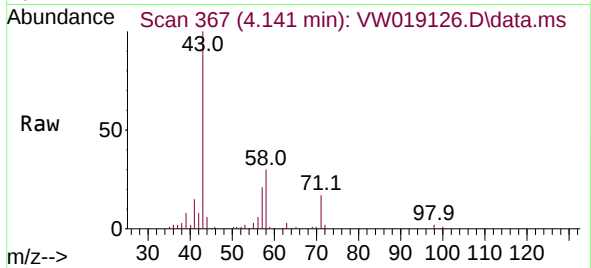




#13
Acetone
Concen: 21.444 ug/L
RT: 4.141 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

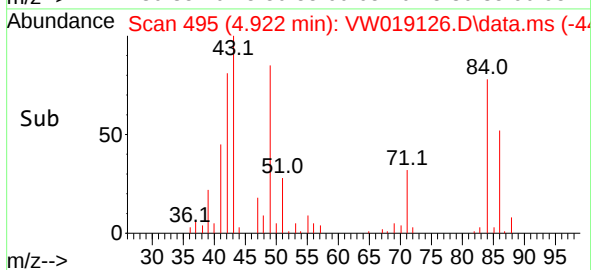
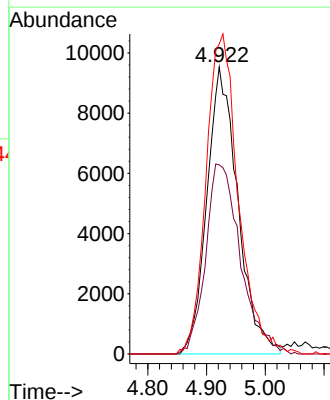
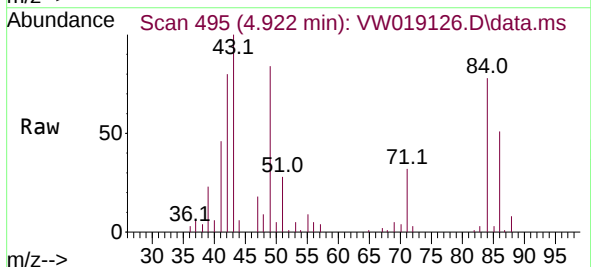
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MSVOA_W
ClientSampled :

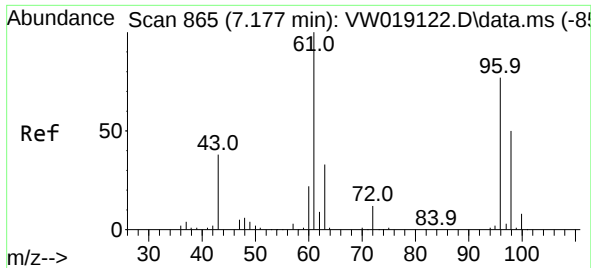
Tgt Ion: 43 Resp: 46952
Ion Ratio Lower Upper
43 100
58 27.3 0.0 53.8



#16
Methylene chloride
Concen: 2.640 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.000 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

Tgt Ion: 84 Resp: 34951
Ion Ratio Lower Upper
84 100
86 65.9 45.3 84.1
49 107.9 86.6 160.8

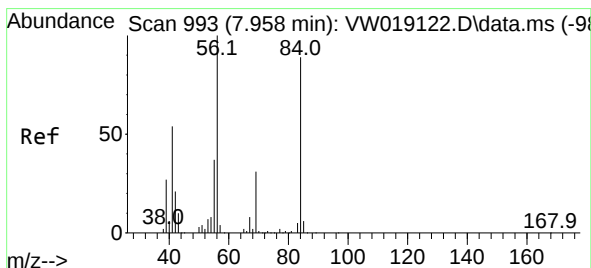
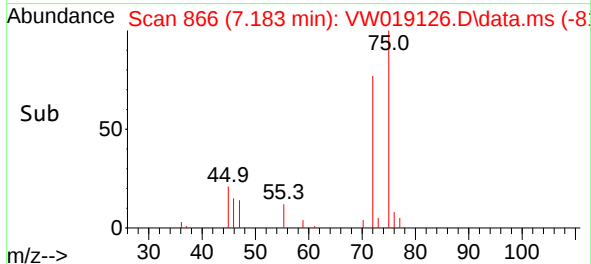
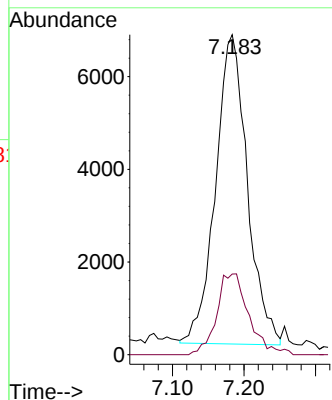
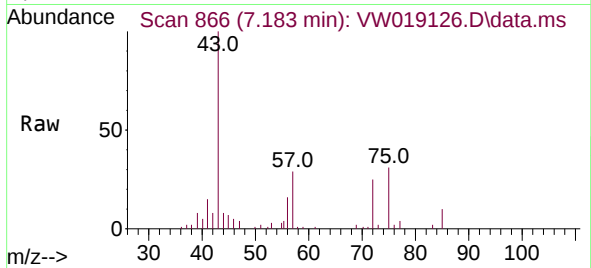




#22
2-Butanone
Concen: 7.035 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

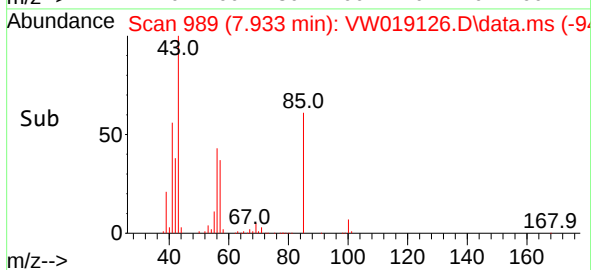
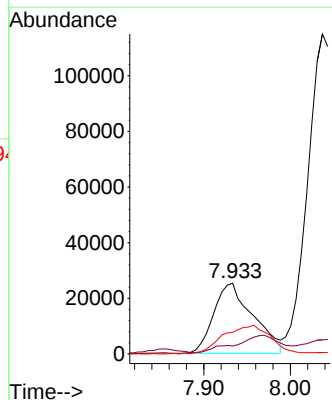
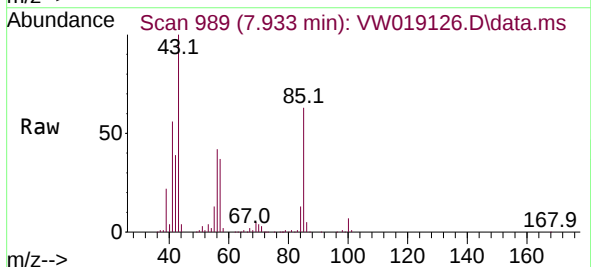
Instrument :
MSVOA_W
ClientSampled :

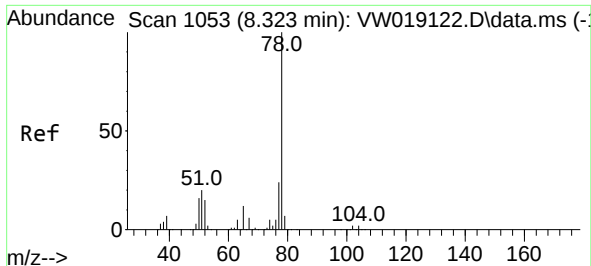
Tgt Ion: 43 Resp: 20596
Ion Ratio Lower Upper
43 100
72 10.9 14.9 44.7#



#29
Cyclohexane
Concen: 4.680 ug/L
RT: 7.933 min Scan# 989
Delta R.T. -0.024 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

Tgt Ion: 56 Resp: 79756
Ion Ratio Lower Upper
56 100
69 5.5 24.5 36.7#
84 0.0 75.0 112.4#





#33

Benzene

Concen: 0.667 ug/L

RT: 8.330 min Scan# 1054

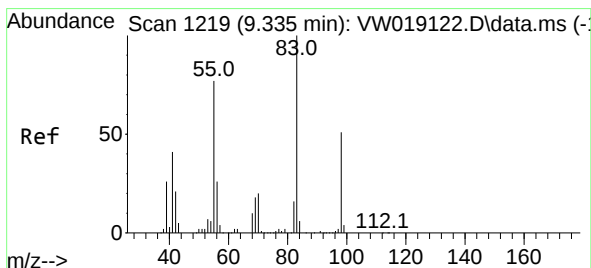
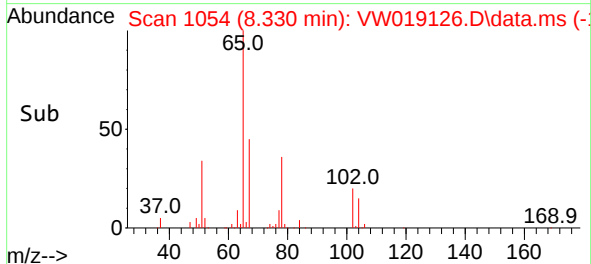
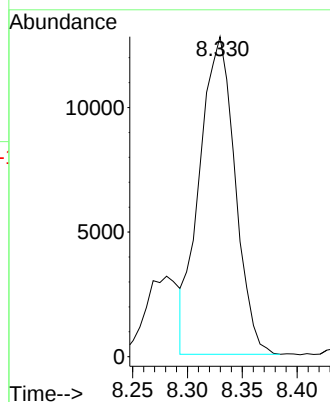
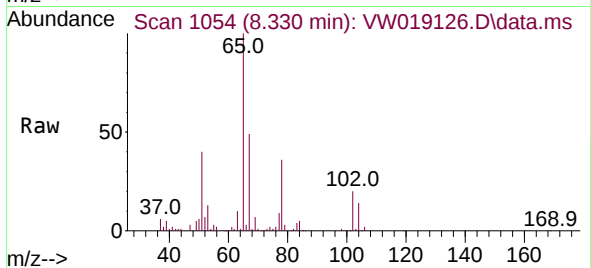
Delta R.T. 0.006 min

Lab File: VW019126.D

Acq: 04 Jun 2021 12:28

Tgt Ion: 78 Resp: 28736

Instrument :
MSVOA_W
ClientSampled :



#35

Methylcyclohexane

Concen: 24.276 ug/L

RT: 9.336 min Scan# 1219

Delta R.T. 0.000 min

Lab File: VW019126.D

Acq: 04 Jun 2021 12:28

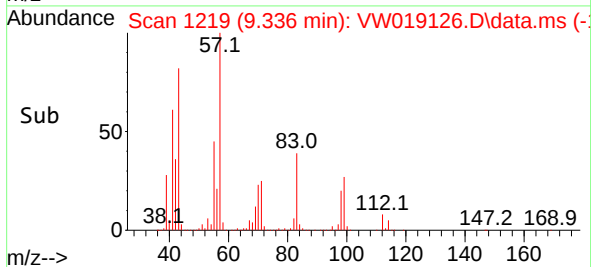
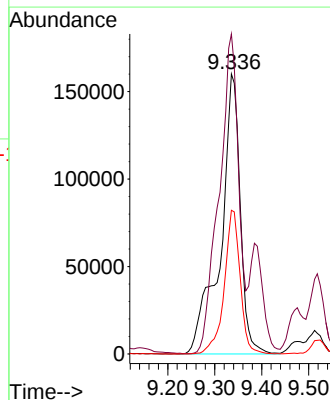
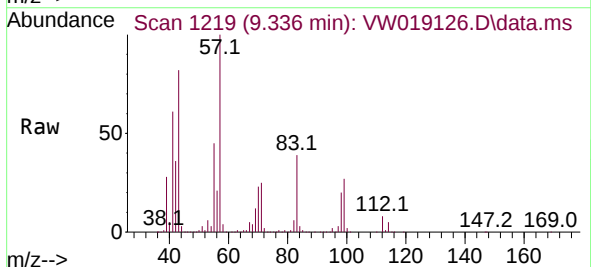
Tgt Ion: 83 Resp: 469146

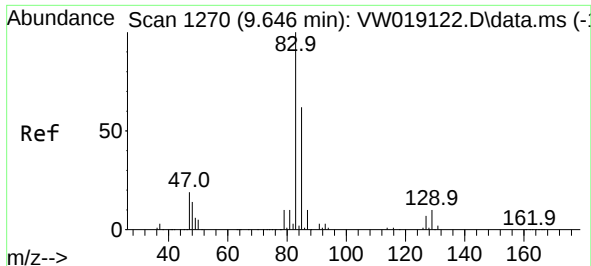
Ion Ratio Lower Upper

83 100

55 112.9 58.9 88.3#

98 41.4 40.1 60.1

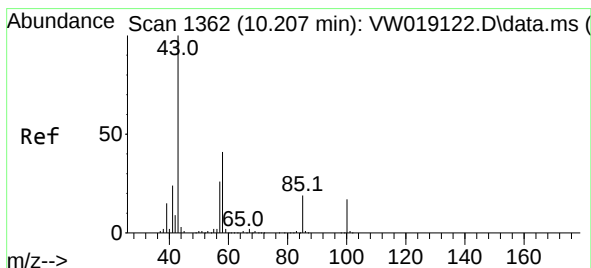
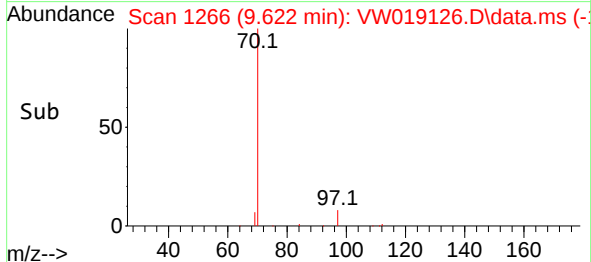
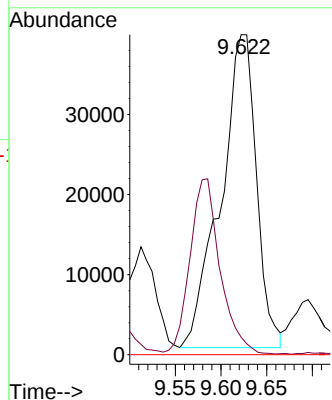
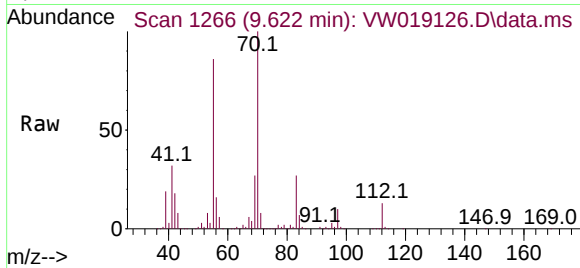




#38
Bromodichloromethane
Concen: 7.747 ug/L
RT: 9.622 min Scan# 1266
Delta R.T. -0.024 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

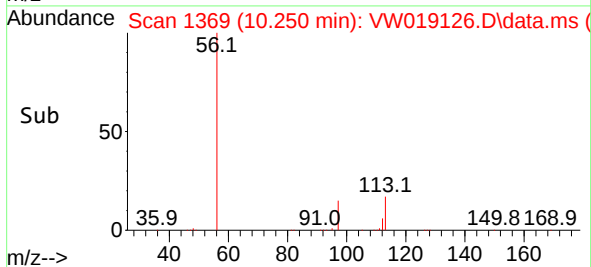
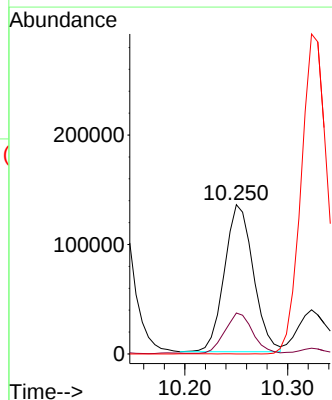
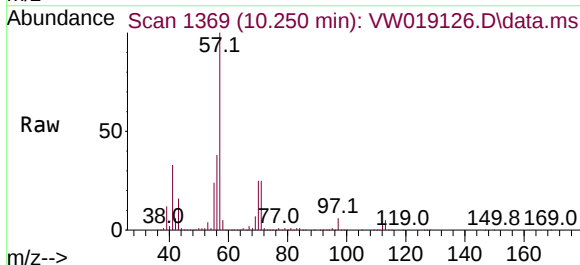
Instrument :
MSVOA_W
ClientSampled :

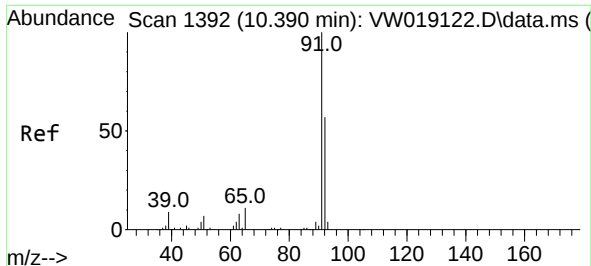
Tgt Ion: 83 Resp: 106337
Ion Ratio Lower Upper
83 100
85 5.5 42.3 78.5#
127 0.0 6.6 9.8#



#40
4-Methyl-2-pentanone
Concen: 41.604 ug/L
RT: 10.250 min Scan# 1369
Delta R.T. 0.043 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

Tgt Ion: 43 Resp: 262203
Ion Ratio Lower Upper
43 100
58 26.2 31.0 46.4#
100 0.1 13.0 19.6#

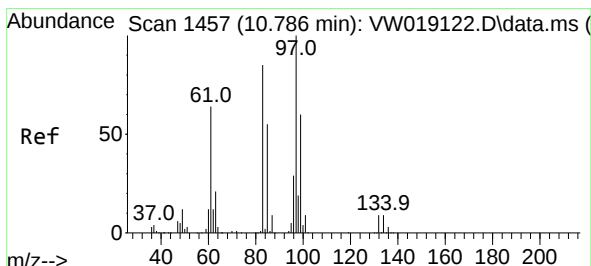
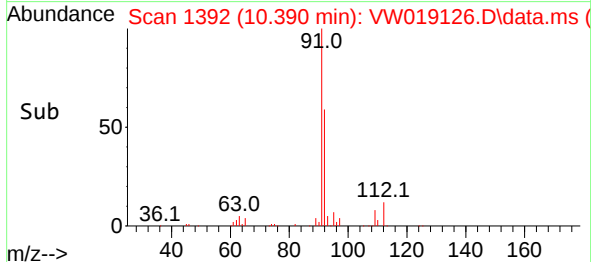
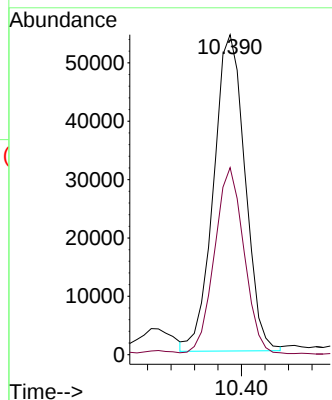
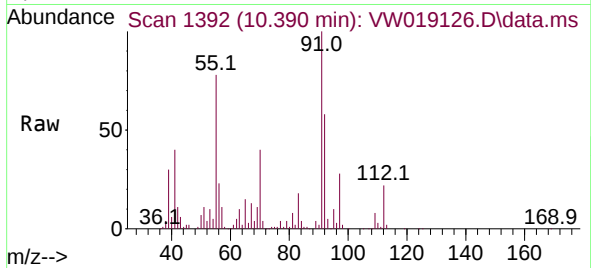




#42
Toluene
Concen: 2.173 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

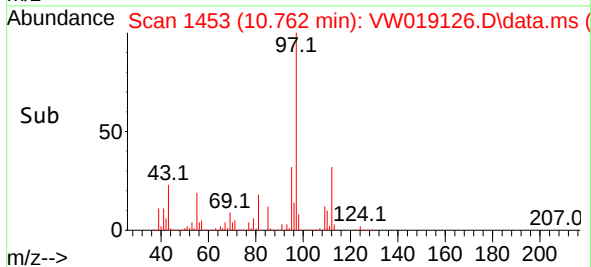
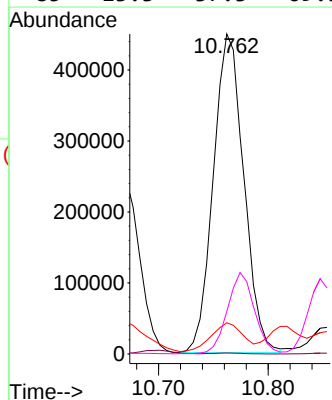
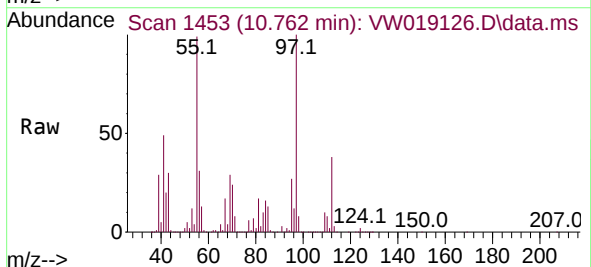
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ClientSampled :

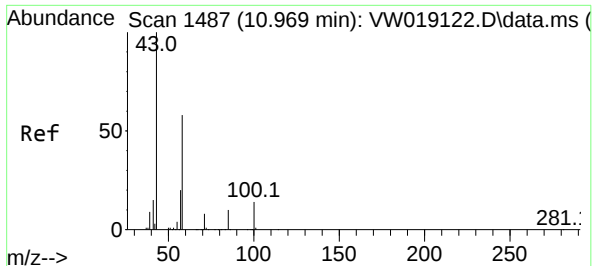
Tgt Ion: 91 Resp: 100703
Ion Ratio Lower Upper
91 100
92 58.5 39.5 73.3



#45
1,1,2-Trichloroethane
Concen: 108.920 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

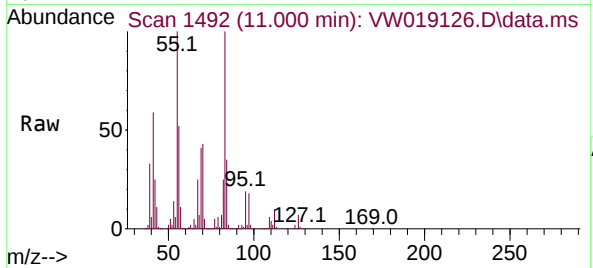
Tgt Ion: 97 Resp: 867858
Ion Ratio Lower Upper
97 100
99 0.3 45.1 83.7#
83 9.8 58.1 107.9#
85 13.3 37.3 69.3#



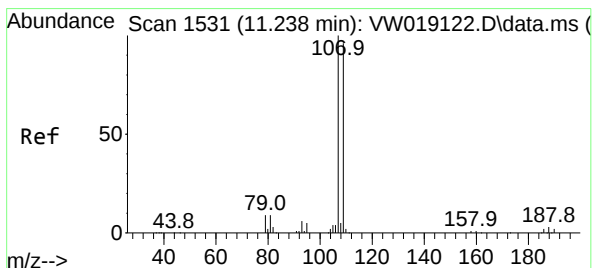
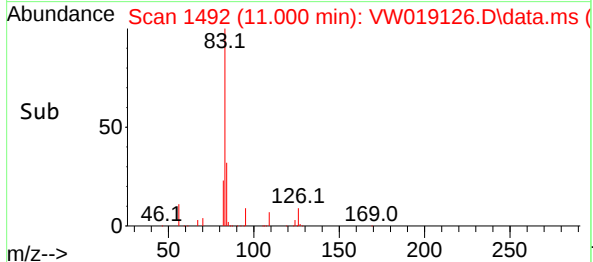
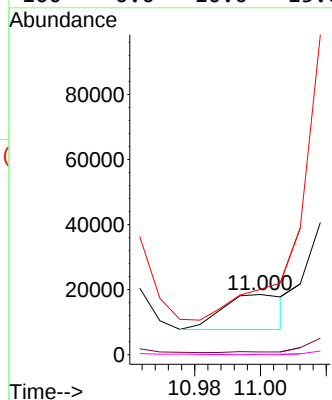


#48
2-Hexanone
Concen: 3.323 ug/L
RT: 11.000 min Scan# 1492
Delta R.T. 0.031 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

Instrument :
MSVOA_W
ClientSampled :

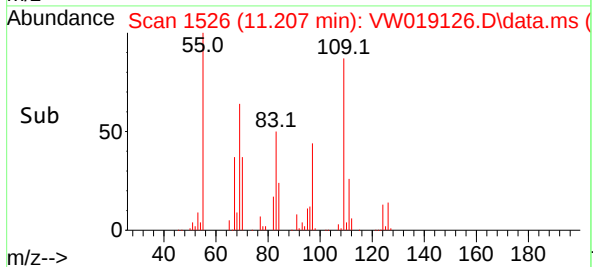
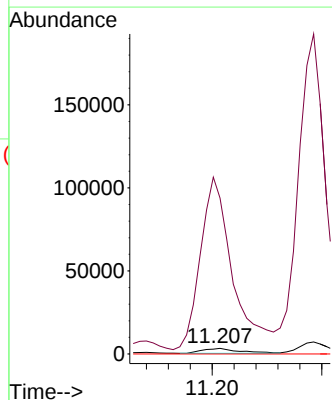
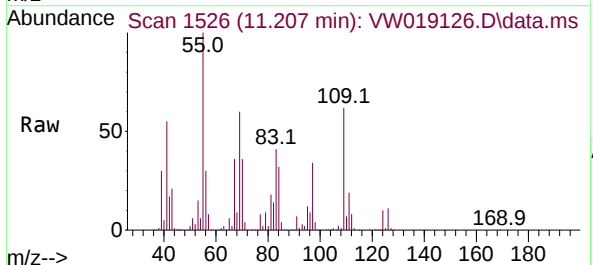


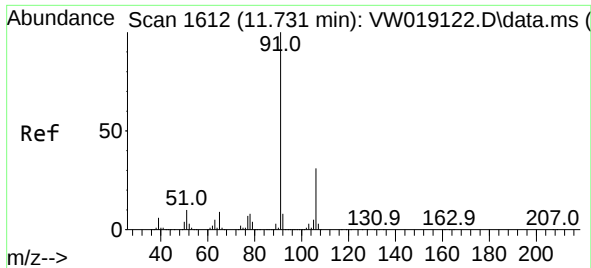
Tgt Ion: 43 Resp: 14078
Ion Ratio Lower Upper
43 100
58 1.7 42.7 64.1#
57 0.0 15.8 23.8#
100 0.0 10.0 15.0#



#50
1,2-Dibromoethane
Concen: 0.926 ug/L
RT: 11.207 min Scan# 1526
Delta R.T. -0.030 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

Tgt Ion: 107 Resp: 7148
Ion Ratio Lower Upper
107 100
109 2750.2 65.4 121.4#
188 0.0 2.6 4.0#

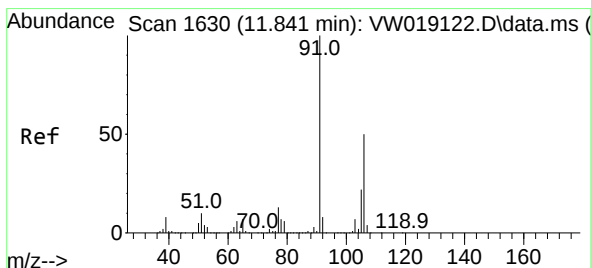
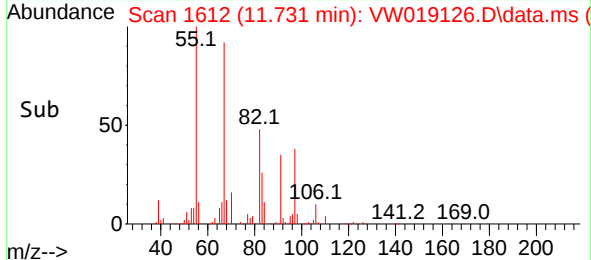
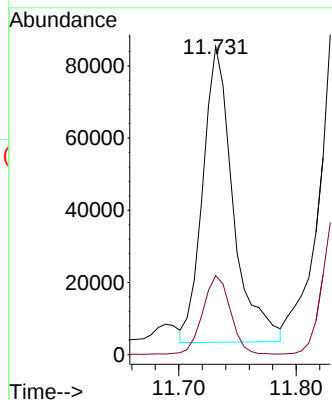
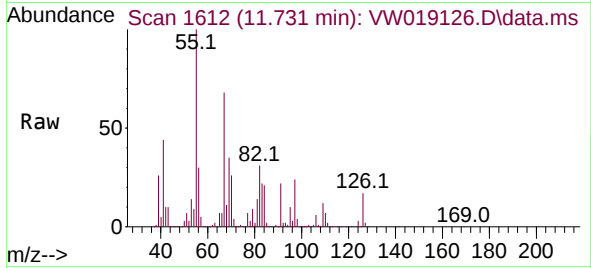




#52
Ethylbenzene
Concen: 2.888 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

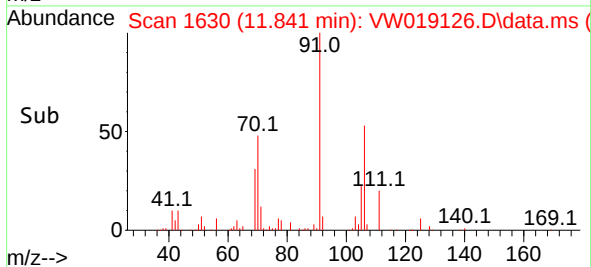
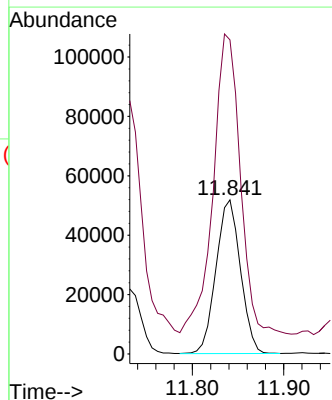
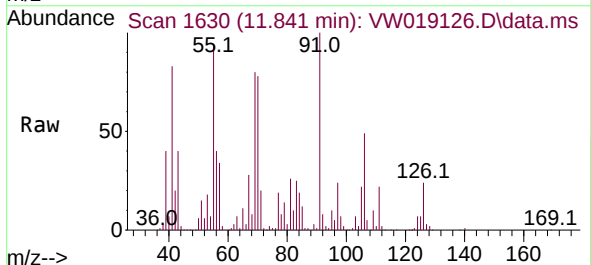
Instrument :
MSVOA_W
ClientSampled :

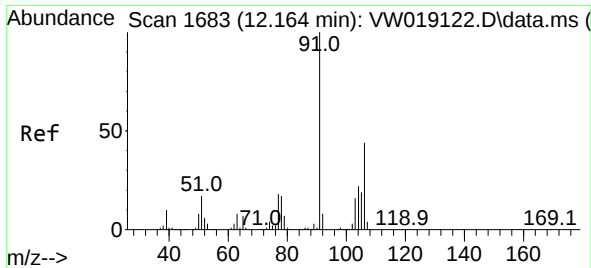
Tgt Ion: 91 Resp: 147243
Ion Ratio Lower Upper
91 100
106 25.7 22.5 41.7



#53
m,p-Xylene
Concen: 5.120 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

Tgt Ion:106 Resp: 96279
Ion Ratio Lower Upper
106 100
91 203.8 141.3 262.3

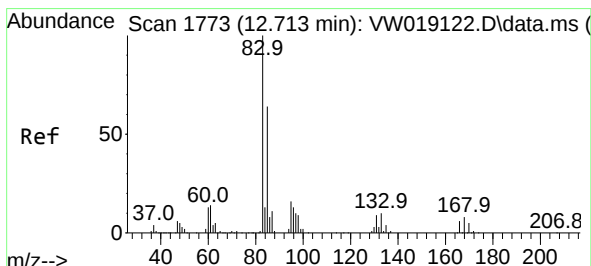
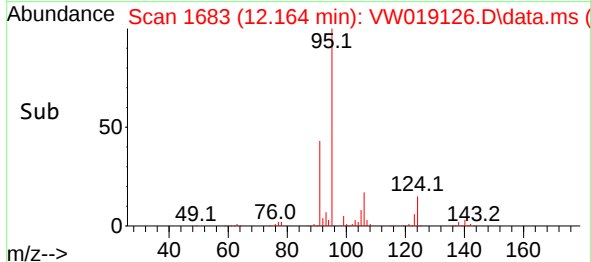
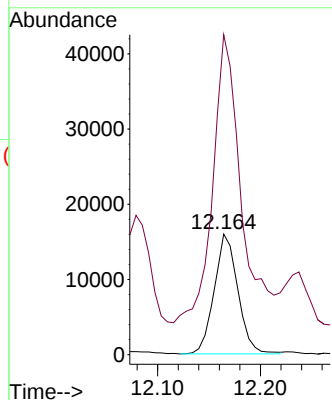
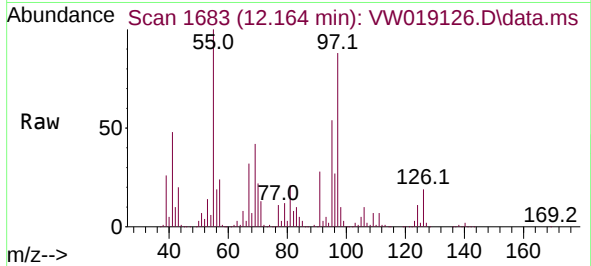




#54
o-Xylene
Concen: 1.418 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

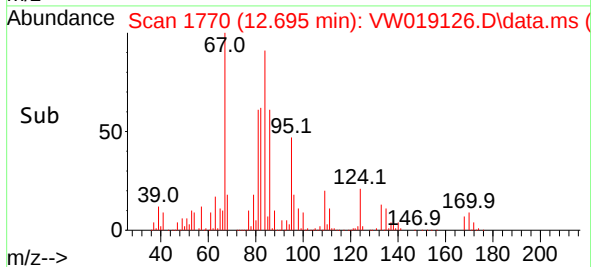
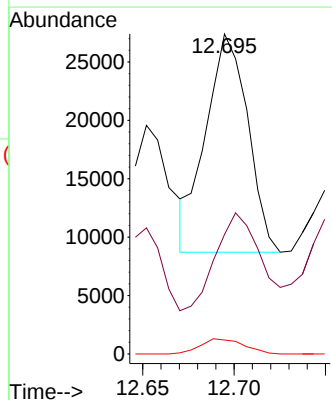
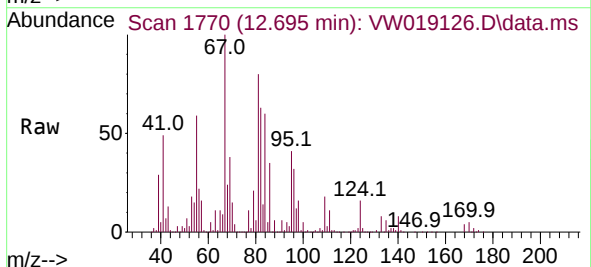
Instrument :
MSVOA_W
ClientSampled :

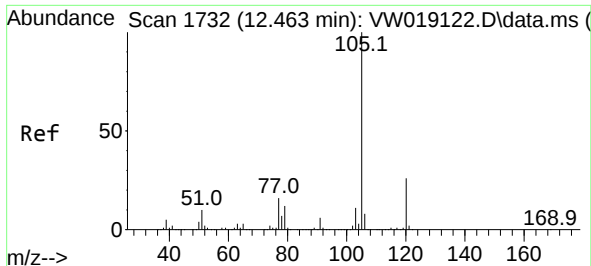
Tgt Ion:106 Resp: 25391
Ion Ratio Lower Upper
106 100
91 265.3 150.0 278.6



#57
1,1,2,2-Tetrachloroethane
Concen: 3.038 ug/L
RT: 12.695 min Scan# 1770
Delta R.T. -0.018 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

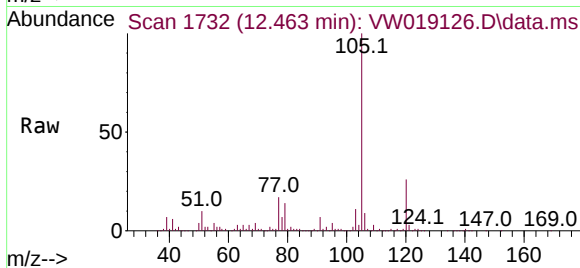
Tgt Ion: 83 Resp: 29834
Ion Ratio Lower Upper
83 100
85 37.4 44.4 82.4#
131 4.3 8.2 12.4#



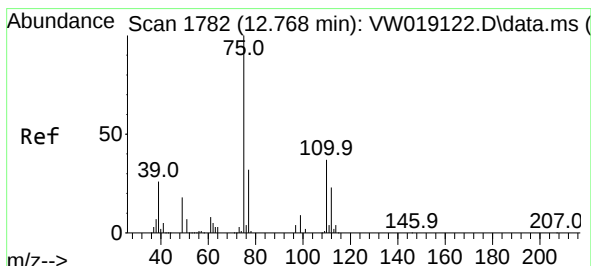
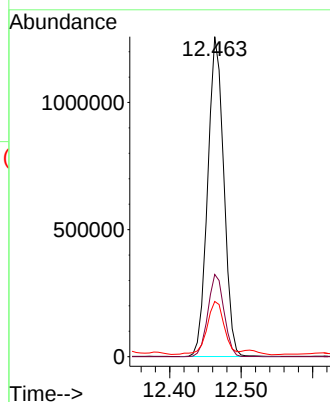
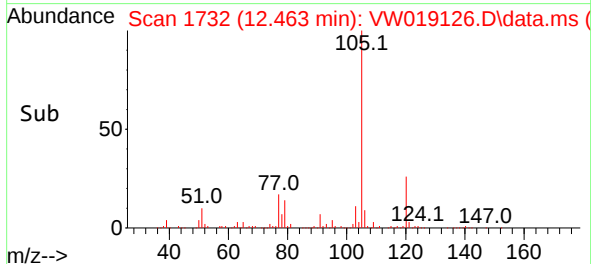


#60
Isopropylbenzene
Concen: 54.222 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

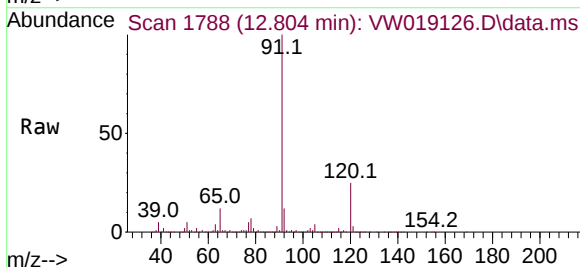
Instrument :
MSVOA_W
ClientSampleId :



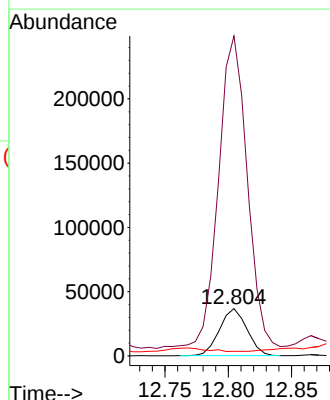
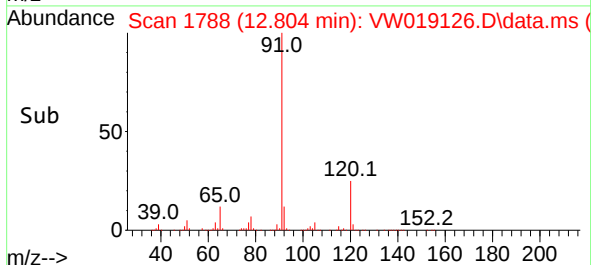
Tgt Ion:105 Resp: 1965260
Ion Ratio Lower Upper
105 100
120 25.8 21.1 31.7
77 17.9 13.2 19.8

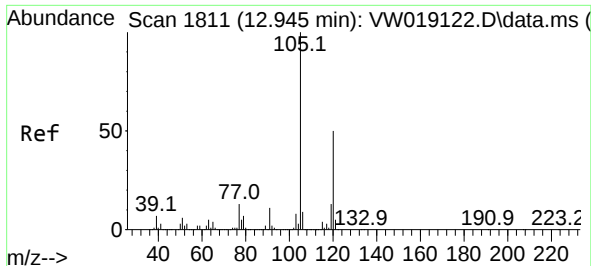


#61
1,2,3-Trichloropropane
Concen: 10.228 ug/L
RT: 12.804 min Scan# 1788
Delta R.T. 0.037 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28



Tgt Ion: 75 Resp: 55399
Ion Ratio Lower Upper
75 100
77 694.7 25.3 37.9#
110 7.8 32.6 48.8#

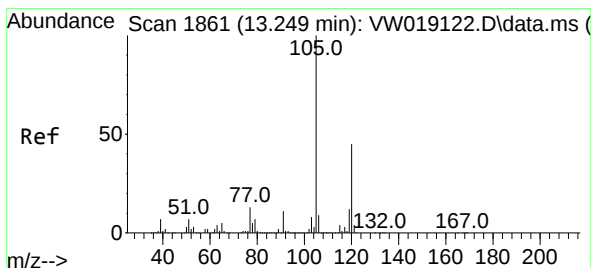
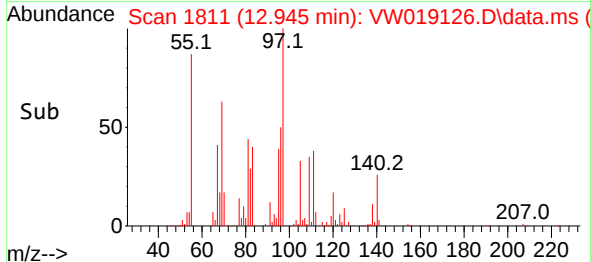
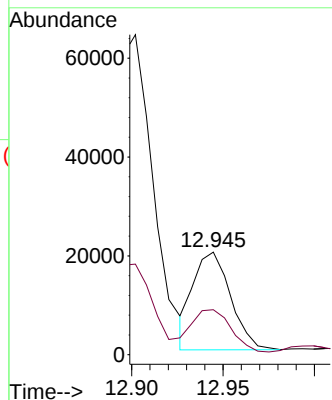
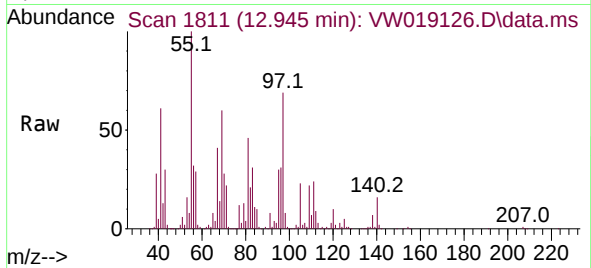




#62
1,3,5-Trimethylbenzene
Concen: 0.951 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

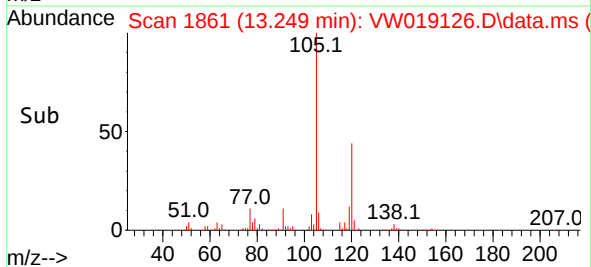
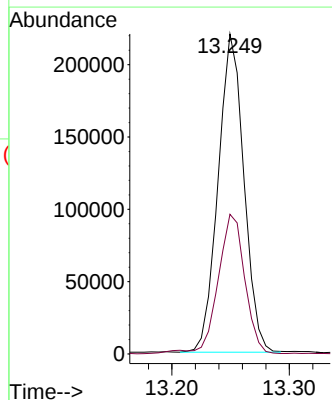
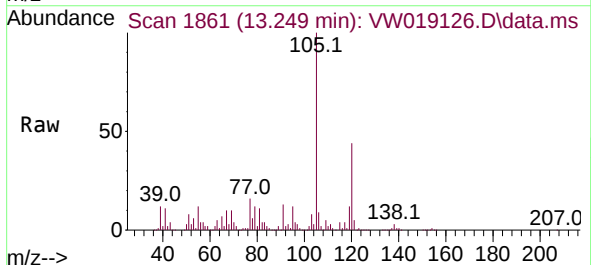
Instrument :
MSVOA_W
ClientSampled :

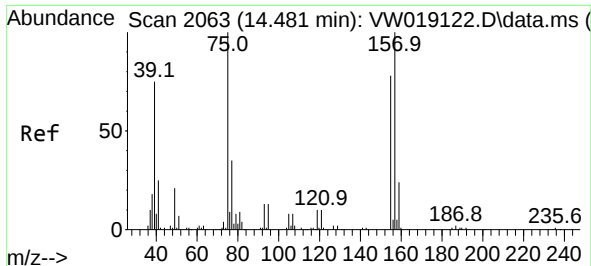
Tgt Ion:105 Resp: 28299
Ion Ratio Lower Upper
105 100
120 52.6 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 11.283 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

Tgt Ion:105 Resp: 335285
Ion Ratio Lower Upper
105 100
120 44.6 35.6 53.4



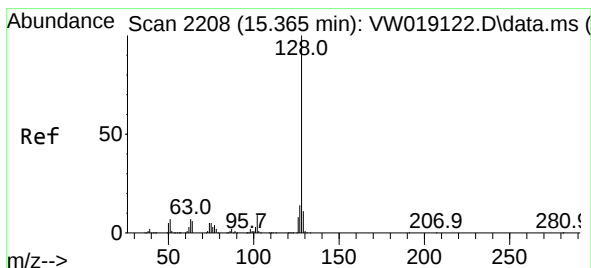
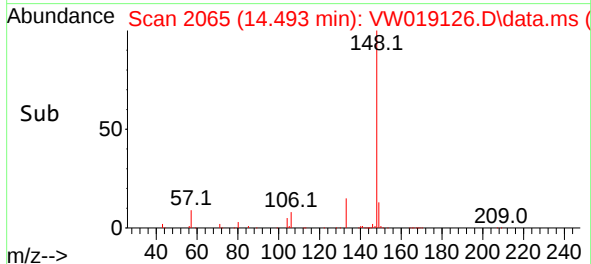
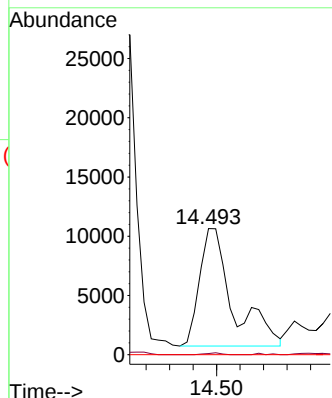
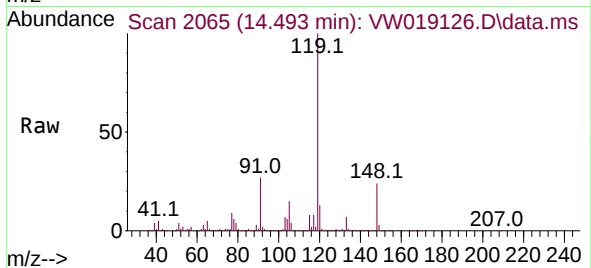


#68

1,2-Dibromo-3-chloropropane
Concen: 16.440 ug/L
RT: 14.493 min Scan# 2065
Delta R.T. 0.012 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 75 Resp: 19491
Ion Ratio Lower Upper
75 100
155 0.9 59.4 89.0#
157 0.0 72.2 108.2#



#71

Naphthalene
Concen: 51.115 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW019126.D
Acq: 04 Jun 2021 12:28

Tgt Ion: 128 Resp: 955952
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 9.5 9.0 13.6

