

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
 Data File : VW018852.D
 Acq On : 29 Apr 2021 17:54
 Operator : SY/VA
 Sample : M2192-01
 Misc : 4.29G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 30 02:12:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 30 02:09:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	623997	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	369583	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	114884	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	187108	23.37	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 93.48%			
7) Chloroethane-d5	2.892	69	163327	26.33	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 105.32%			
11) 1,1-Dichloroethene-d2	4.019	63	280514	17.65	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 70.60%			
21) 2-Butanone-d5	7.086	46	88303	42.35	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 84.70%			
24) Chloroform-d	7.647	84	363167	22.17	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 88.68%			
26) 1,2-Dichloroethane-d4	8.067	65	42	0.00	ug/L	-0.24
Spiked Amount 25.000	Range 70 - 130		Recovery = 0.00%#			
32) Benzene-d6	8.275	84	719140	34.44	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 137.76%#			
36) 1,2-Dichloropropane-d6	9.275	67	210655	34.00	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 136.00%#			
41) Toluene-d8	10.323	98	549217	28.20	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 112.80%			
43) trans-1,3-Dichloroprop...	10.579	79	54794	19.46	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 77.84%			
47) 2-Hexanone-d5	10.927	63	74442	67.11	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 134.22%			
56) 1,1,2,2-Tetrachloroeth...	12.695	84	125035	23.82	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 95.28%			
66) 1,2-Dichlorobenzene-d4	13.853	152	86532	21.98	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 87.92%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	4.019	96	2302	0.28	ug/L #	1
13) Acetone	4.141	43	49824	31.19	ug/L	90
14) Carbon disulfide	4.391	76	23607	0.99	ug/L	96
16) Methylene chloride	4.922	84	34441	3.34	ug/L	92
22) 2-Butanone	7.183	43	22488	10.15	ug/L	93
29) Cyclohexane	7.958	56	5310	0.60	ug/L	86
33) Benzene	8.323	78	43912	1.98	ug/L	100
35) Methylcyclohexane	9.336	83	82967	7.99	ug/L #	83
42) Toluene	10.390	91	24867	1.02	ug/L	97
45) 1,1,2-Trichloroethane	10.762	97	61482	14.51	ug/L #	28
52) Ethylbenzene	11.731	91	18507	0.69	ug/L	94
53) m,p-Xylene	11.841	106	9307	0.93	ug/L	62
54) o-Xylene	12.164	106	43395	4.54	ug/L	88
55) Styrene	12.176	104	6285	0.39	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.689	83	45809	8.94	ug/L #	66
59) Bromoform	12.372	173	750	0.47	ug/L #	37
60) Isopropylbenzene	13.103	105	281827	17.18	ug/L	95
62) 1,3,5-Trimethylbenzene	12.945	105	20647	1.51	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	70822	5.17	ug/L	91

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
Quant Title : SFAM01.0
QLast Update : Fri Apr 30 02:09:50 2021
Response via : Initial Calibration

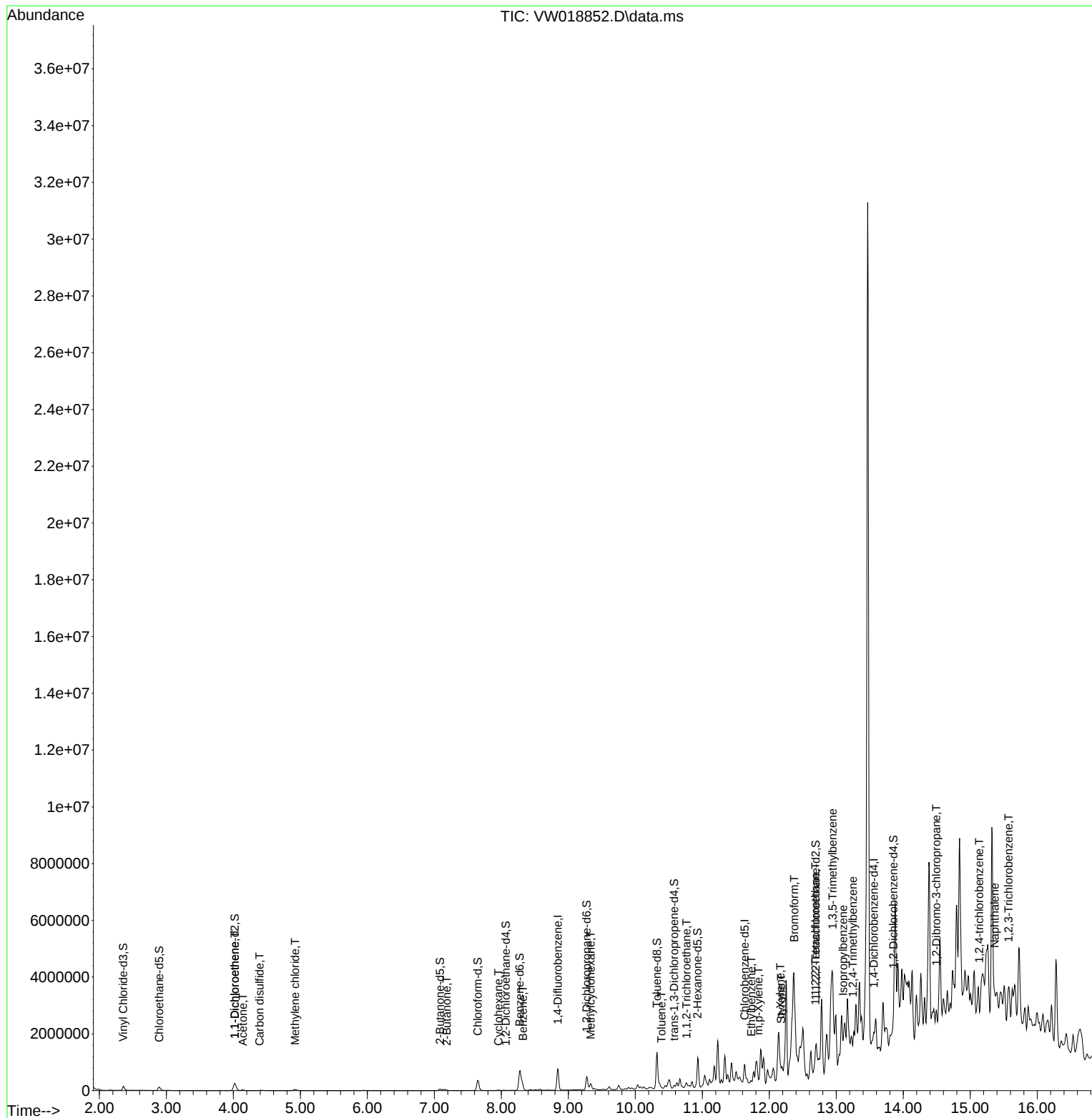
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	14.493	75	1282	2.48	ug/L	97
70) 1,2,4-trichlorobenzene	15.133	180	1943	0.47	ug/L #	1
71) Naphthalene	15.365	128	779932	89.23	ug/L	99
72) 1,2,3-Trichlorobenzene	15.572	180	14091	3.85	ug/L #	1

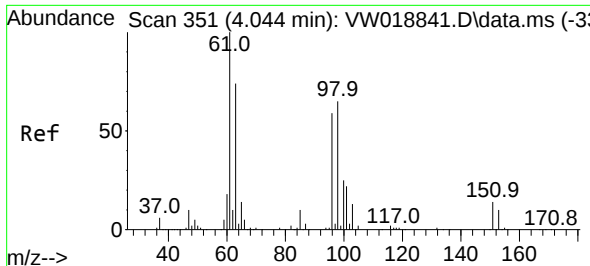
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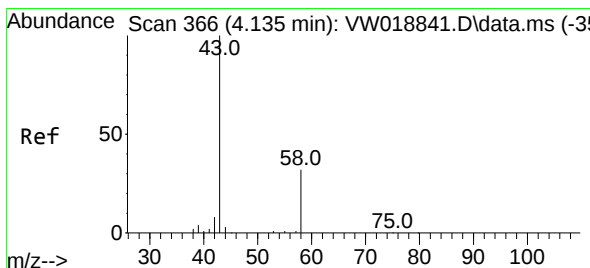
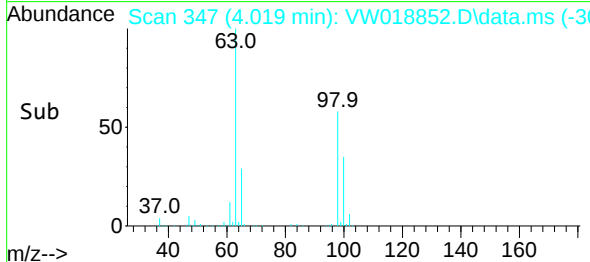
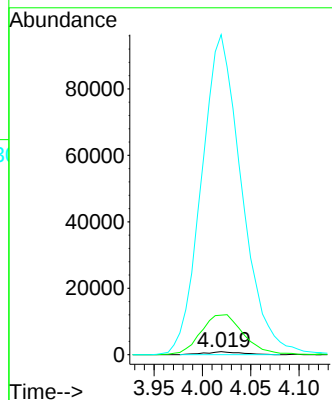
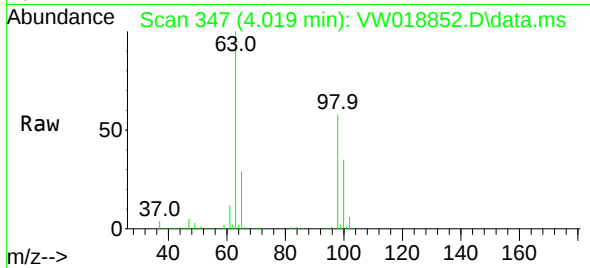




#12
1,1-Dichloroethene
Concen: 0.28 ug/L
RT: 4.019 min Scan# 347
Delta R.T. -0.024 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

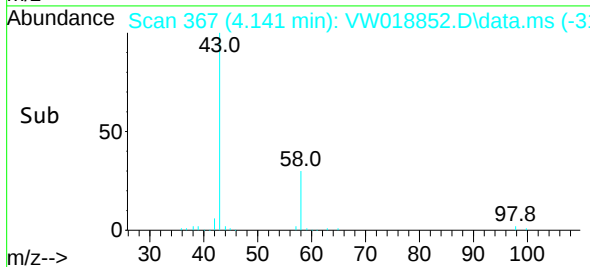
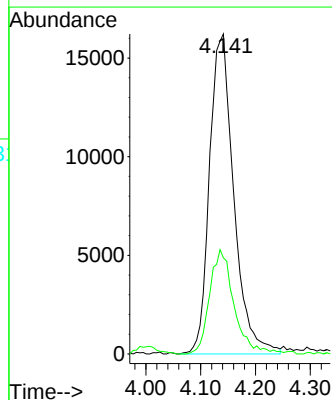
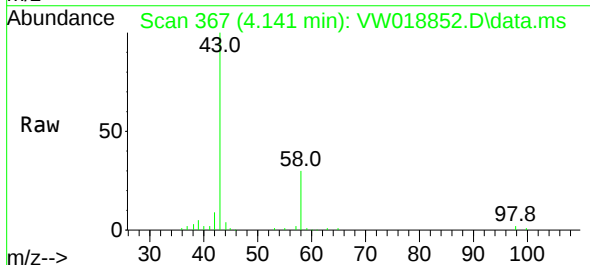
Instrument :
MSVOA_W
ClientSampled :

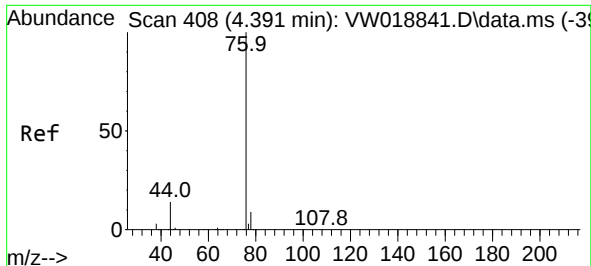
Tgt Ion: 96 Resp: 2302
Ion Ratio Lower Upper
96 100
61 1322.5 118.1 219.3#
63 10715.9 83.7 155.5#



#13
Acetone
Concen: 31.19 ug/L
RT: 4.141 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

Tgt Ion: 43 Resp: 49824
Ion Ratio Lower Upper
43 100
58 31.9 0.0 53.8

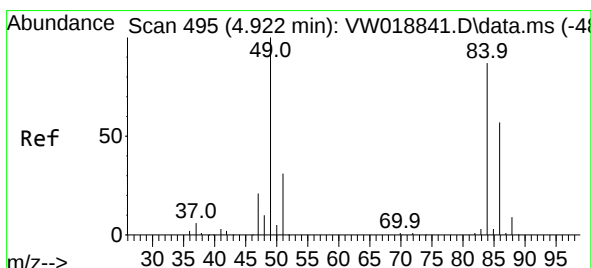
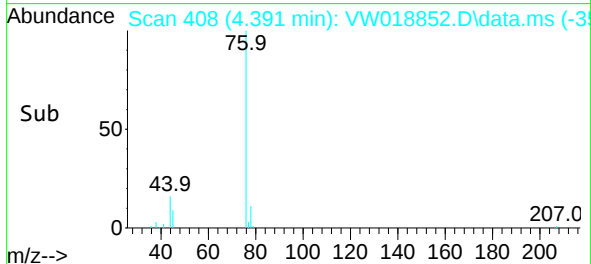
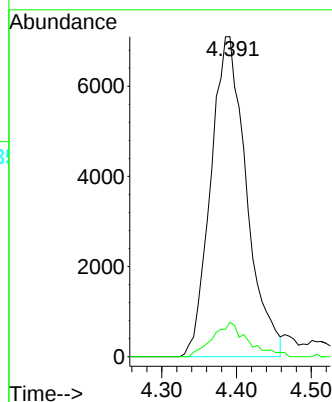
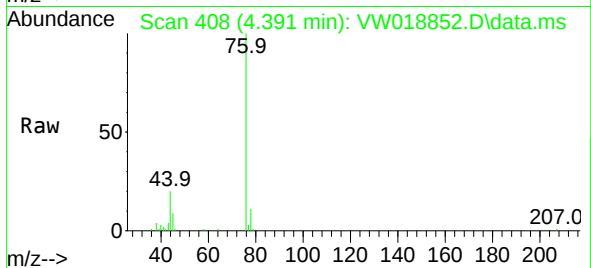




#14
Carbon disulfide
Concen: 0.99 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.000 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

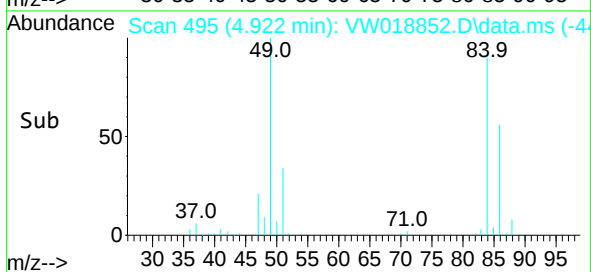
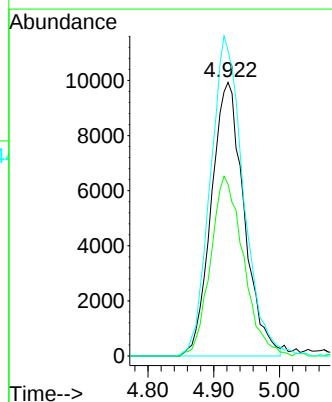
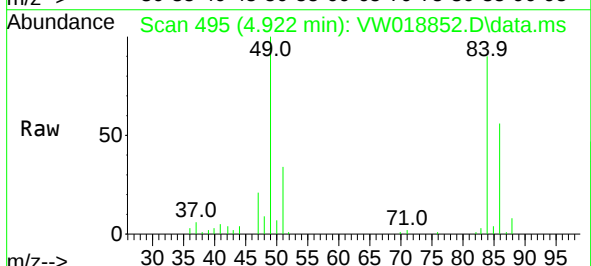
Instrument :
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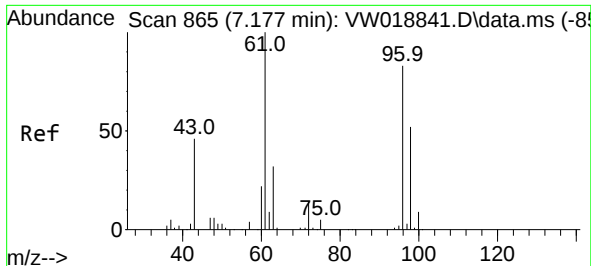
Tgt Ion: 76 Resp: 23607
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.0



#16
Methylene chloride
Concen: 3.34 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.000 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

Tgt Ion: 84 Resp: 34441
Ion Ratio Lower Upper
84 100
86 62.7 45.3 84.1
49 111.7 86.6 160.8

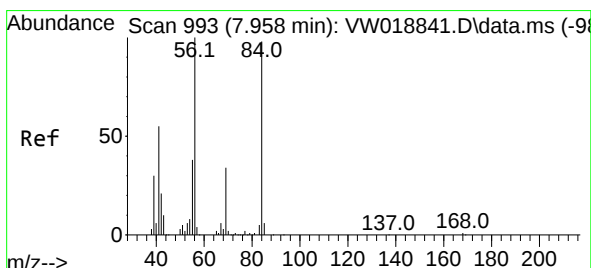
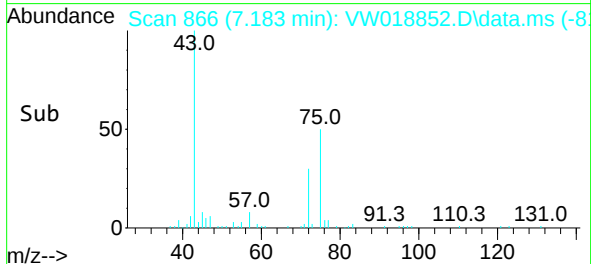
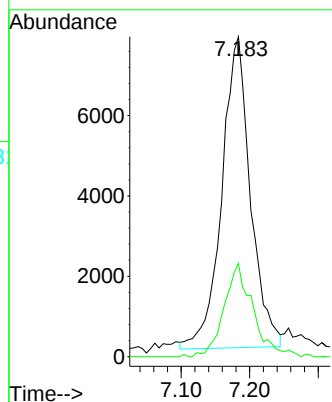
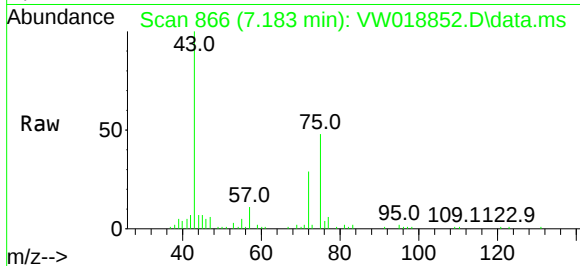




#22
2-Butanone
Concen: 10.15 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.006 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

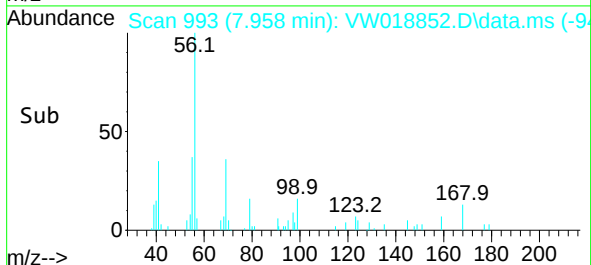
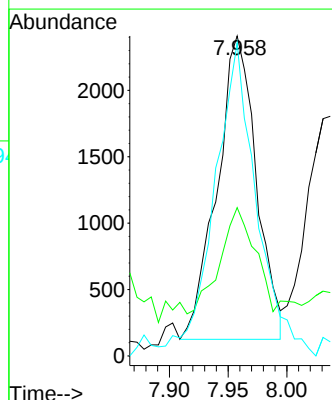
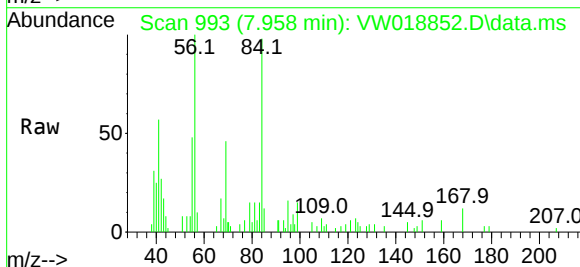
Instrument :
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ClientSampled :

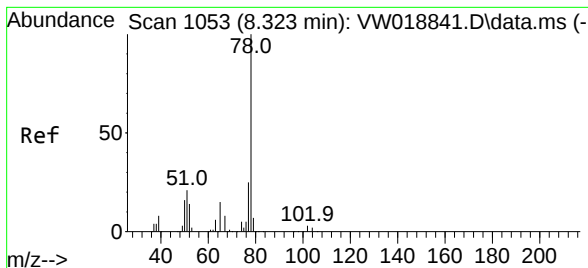
Tgt Ion: 43 Resp: 22488
Ion Ratio Lower Upper
43 100
72 25.8 14.9 44.7



#29
Cyclohexane
Concen: 0.60 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

Tgt Ion: 56 Resp: 5310
Ion Ratio Lower Upper
56 100
69 31.0 24.5 36.7
84 111.1 75.0 112.4

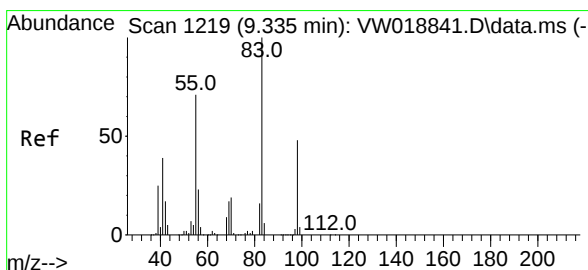
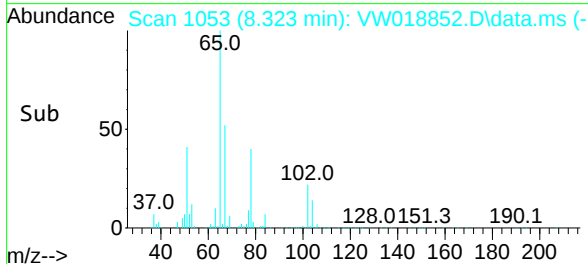
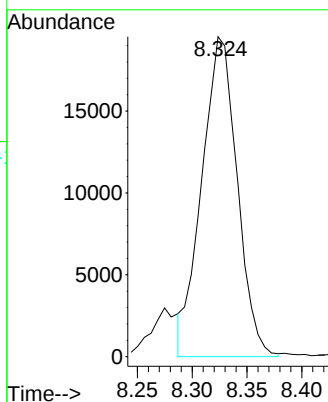
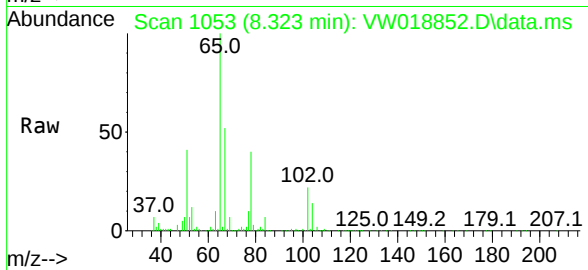




#33
Benzene
Concen: 1.98 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

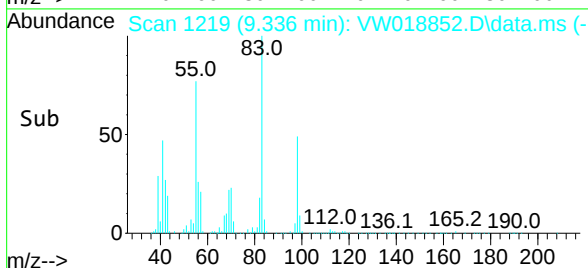
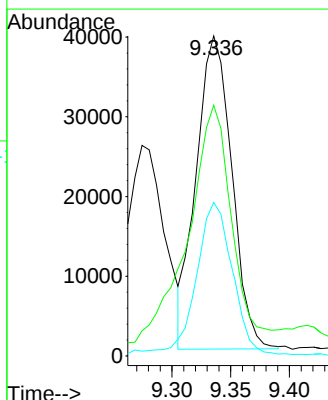
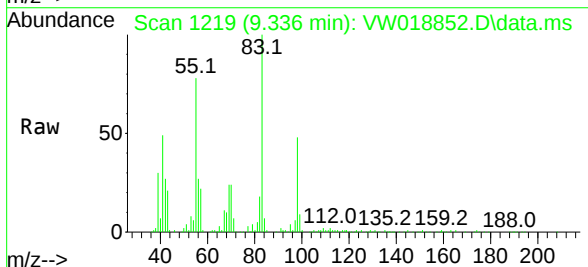
Instrument :
MSVOA_W
ClientSampled :

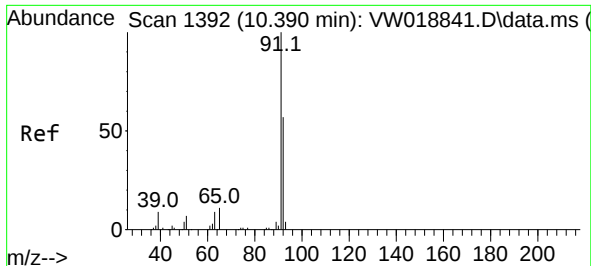
Tgt Ion: 78 Resp: 43912



#35
Methylcyclohexane
Concen: 7.99 ug/L
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

Tgt Ion: 83 Resp: 82967
Ion Ratio Lower Upper
83 100
55 96.8 58.9 88.3#
98 48.8 40.1 60.1

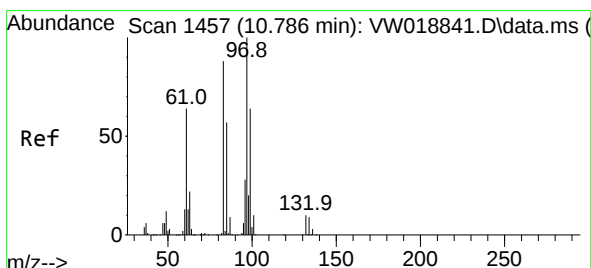
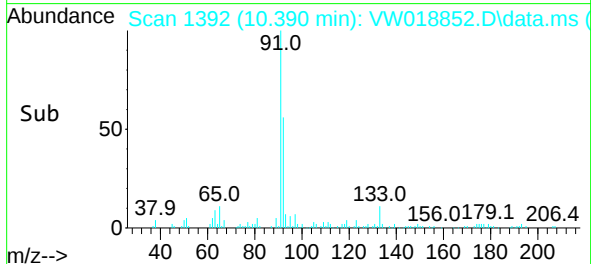
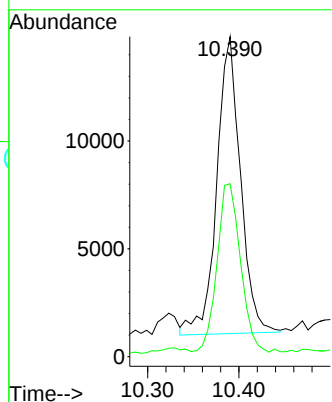
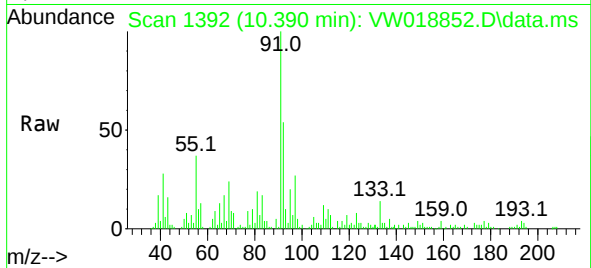




#42
Toluene
Concen: 1.02 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

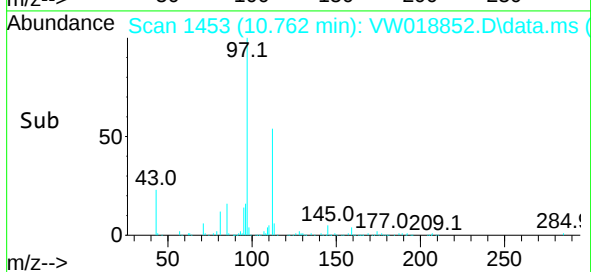
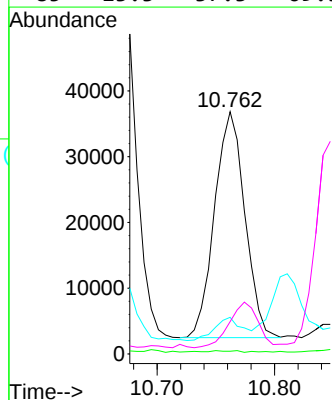
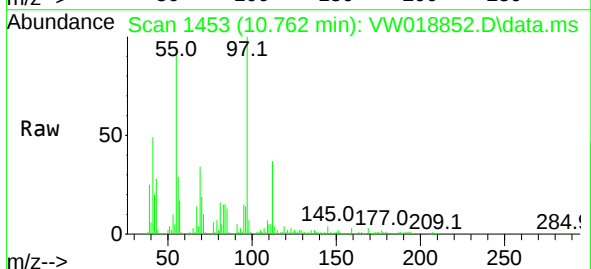
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ClientSampled :

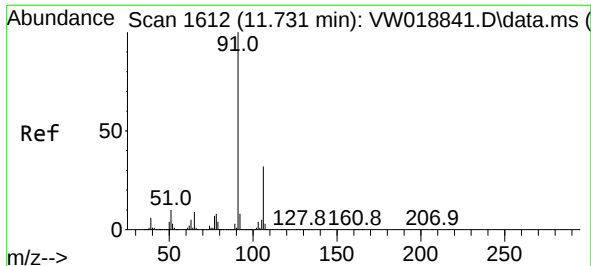
Tgt Ion: 91 Resp: 24867
Ion Ratio Lower Upper
91 100
92 54.1 39.5 73.3



#45
1,1,2-Trichloroethane
Concen: 14.51 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

Tgt Ion: 97 Resp: 61482
Ion Ratio Lower Upper
97 100
99 1.1 45.1 83.7#
83 15.1 58.1 107.9#
85 13.3 37.3 69.3#

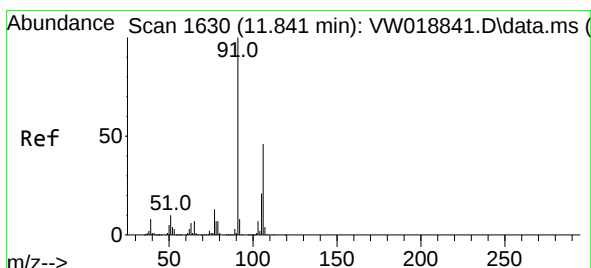
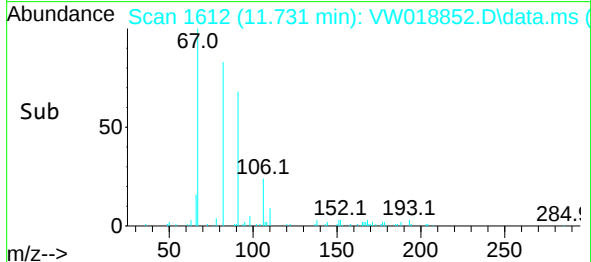
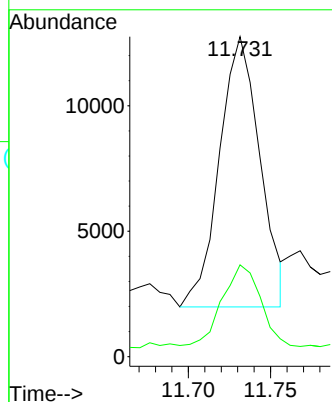
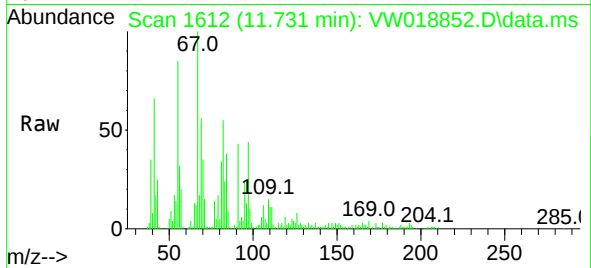




#52
Ethylbenzene
Concen: 0.69 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

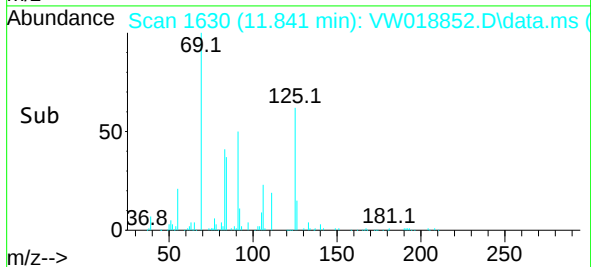
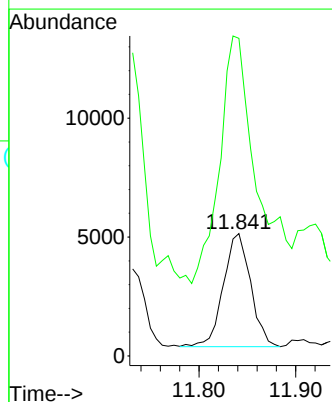
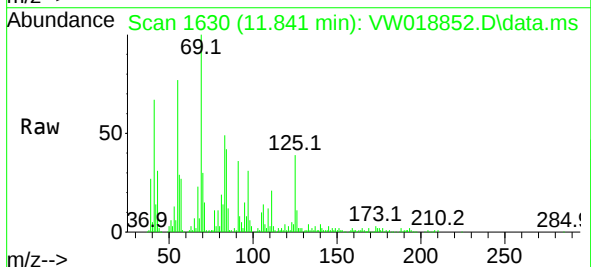
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ClientSampled :

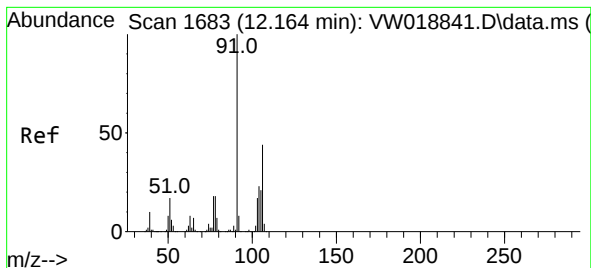
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Ion Ratio Lower Upper
91 100
106 28.7 22.5 41.7



#53
m,p-Xylene
Concen: 0.93 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

Tgt Ion:106 Resp: 9307
Ion Ratio Lower Upper
106 100
91 259.4 141.3 262.3

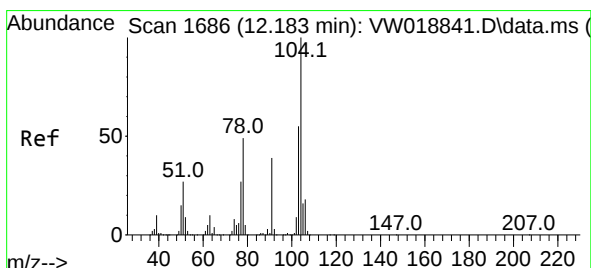
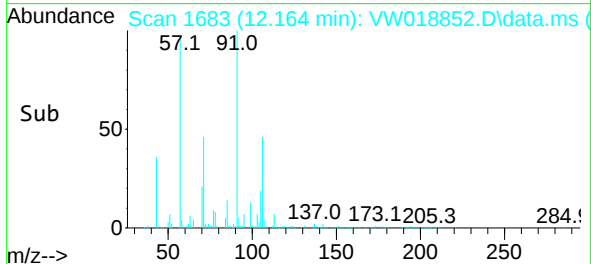
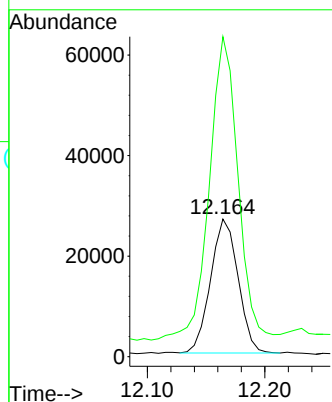
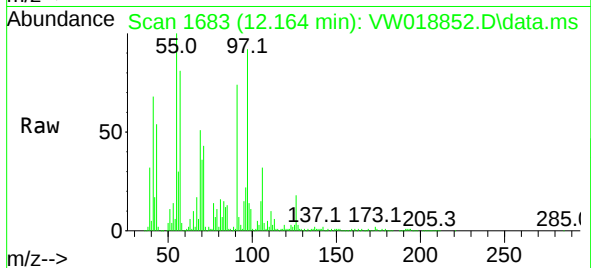




#54
o-Xylene
Concen: 4.54 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

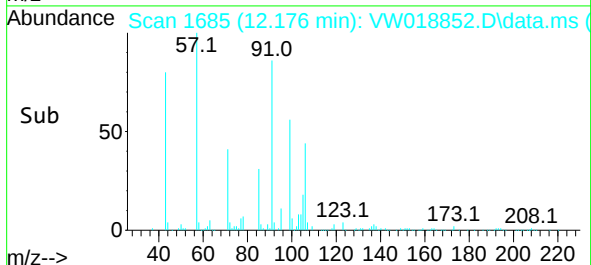
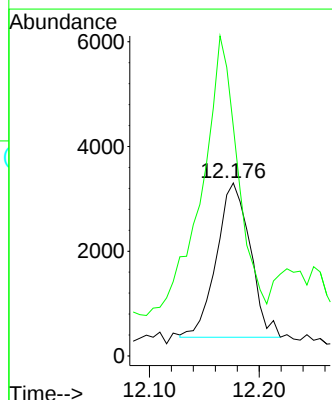
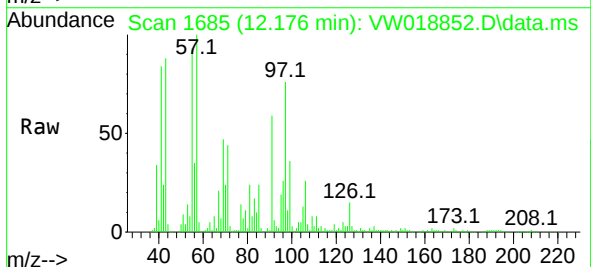
Instrument :
MSVOA_W
ClientSampled :

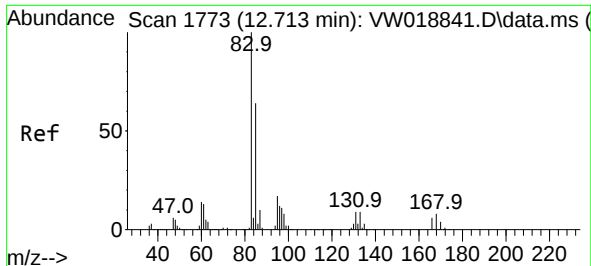
Tgt Ion:106 Resp: 43395
Ion Ratio Lower Upper
106 100
91 232.6 150.0 278.6



#55
Styrene
Concen: 0.39 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

Tgt Ion:104 Resp: 6285
Ion Ratio Lower Upper
104 100
78 132.7 32.5 60.3#

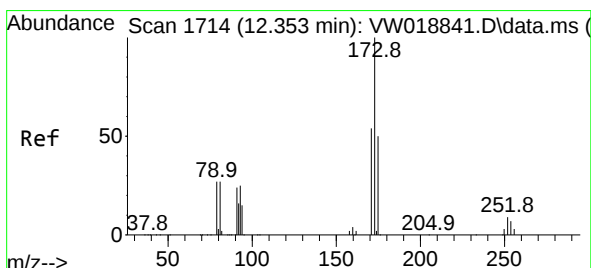
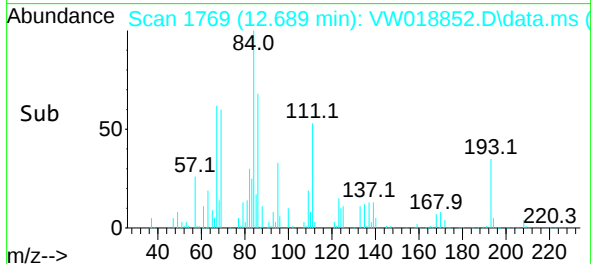
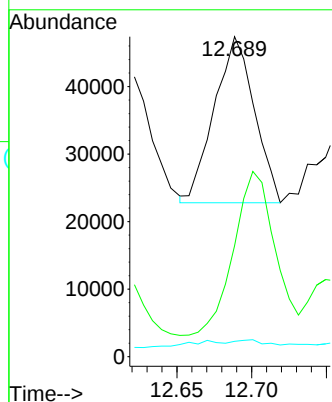
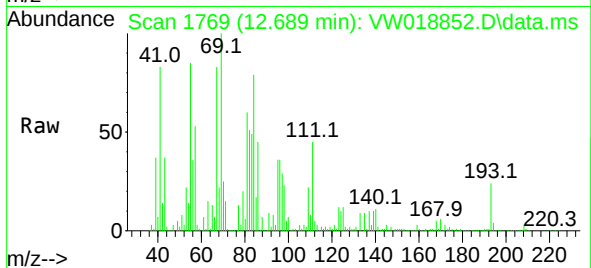




#57
1,1,2,2-Tetrachloroethane
Concen: 8.94 ug/L
RT: 12.689 min Scan# 1769
Delta R.T. -0.024 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

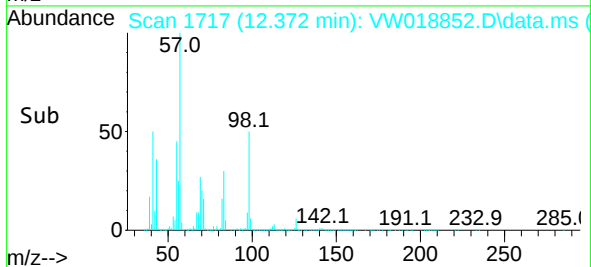
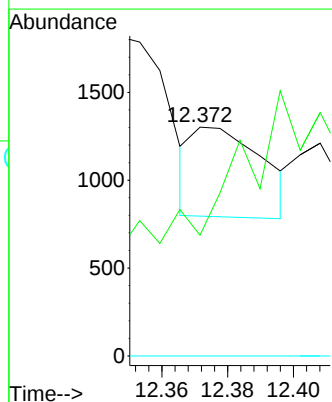
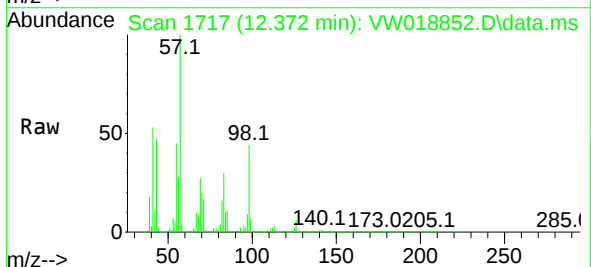
Instrument :
MSVOA_W
ClientSampleId :

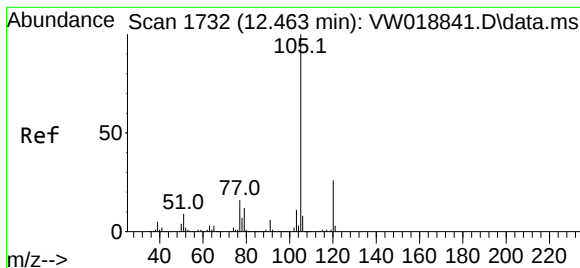
Tgt Ion: 83 Resp: 45809
Ion Ratio Lower Upper
83 100
85 34.7 44.4 82.4#
131 4.8 8.2 12.4#



#59
Bromoform
Concen: 0.47 ug/L
RT: 12.372 min Scan# 1717
Delta R.T. 0.018 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

Tgt Ion: 173 Resp: 750
Ion Ratio Lower Upper
173 100
175 94.1 37.5 56.3#
254 0.0 7.0 10.4#

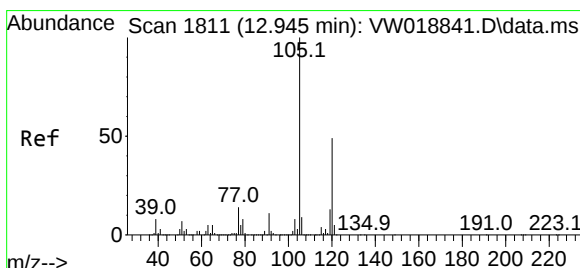
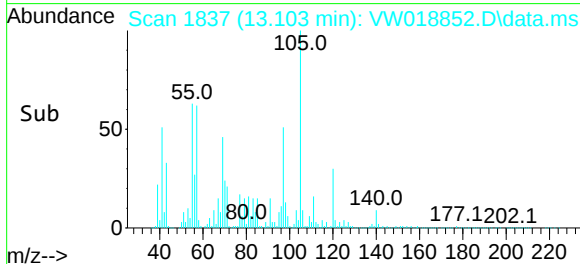
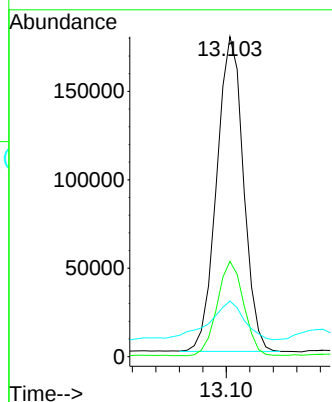
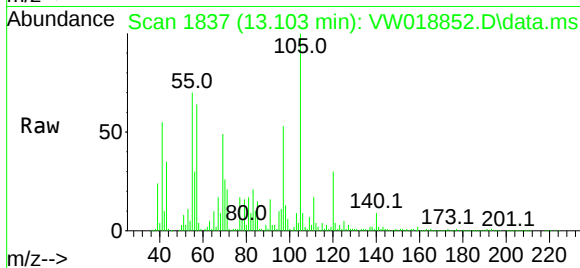




#60
Isopropylbenzene
Concen: 17.18 ug/L
RT: 13.103 min Scan# 1837
Delta R.T. 0.640 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

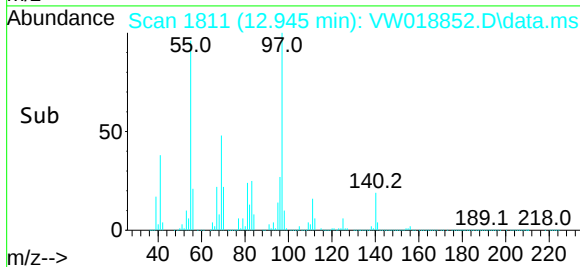
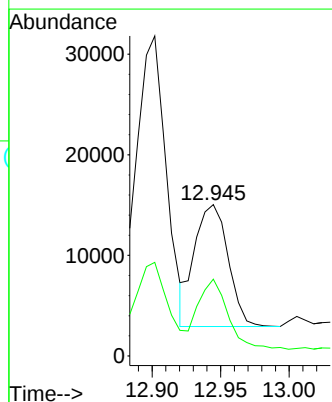
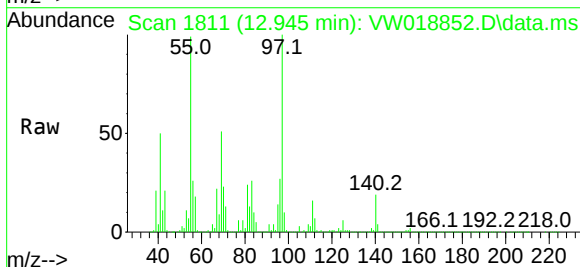
Instrument :
MSVOA_W
ClientSampled :

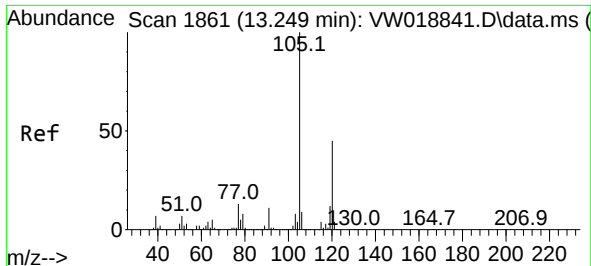
Tgt Ion:105 Resp: 281827
Ion Ratio Lower Upper
105 100
120 29.6 21.1 31.7
77 15.7 13.2 19.8



#62
1,3,5-Trimethylbenzene
Concen: 1.51 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

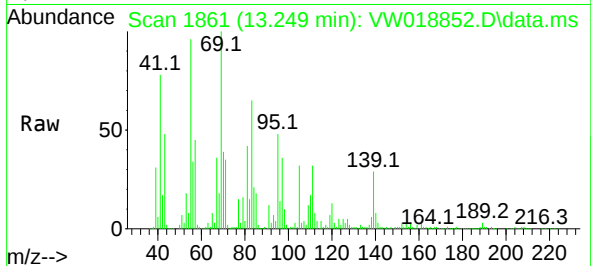
Tgt Ion:105 Resp: 20647
Ion Ratio Lower Upper
105 100
120 49.8 39.0 58.6



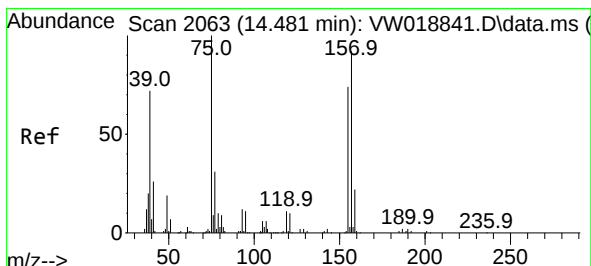
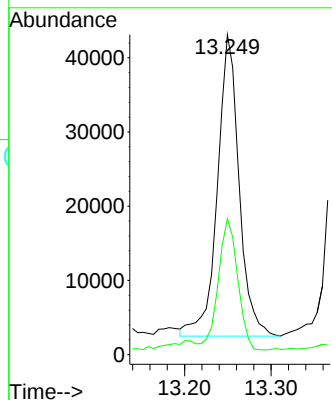
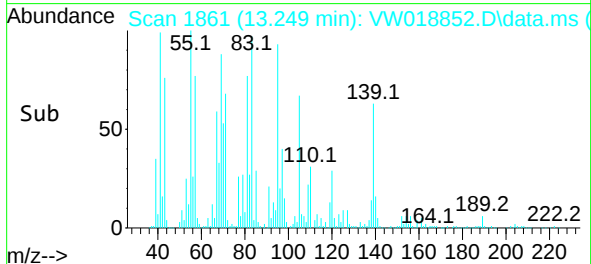


#63
1,2,4-Trimethylbenzene
Concen: 5.17 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

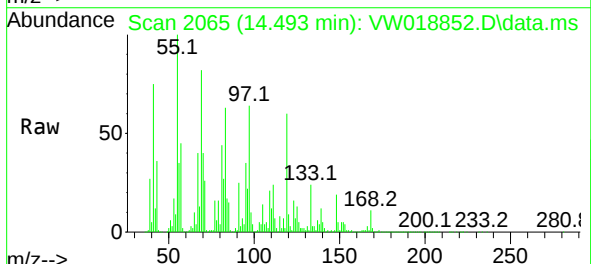
Instrument :
MSVOA_W
ClientSampled :



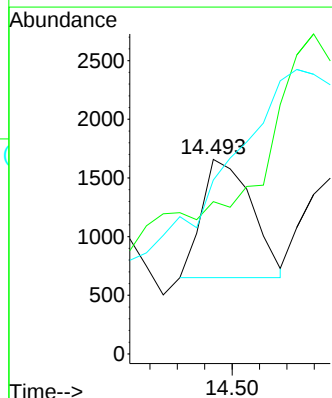
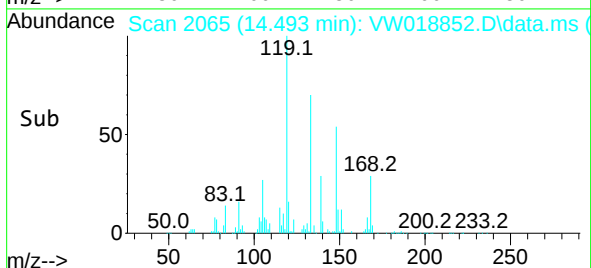
Tgt Ion:105 Resp: 70822
Ion Ratio Lower Upper
105 100
120 38.7 35.6 53.4

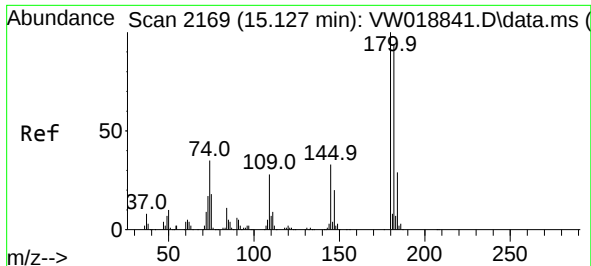


#68
1,2-Dibromo-3-chloropropane
Concen: 2.48 ug/L
RT: 14.493 min Scan# 2065
Delta R.T. 0.012 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54



Tgt Ion: 75 Resp: 1282
Ion Ratio Lower Upper
75 100
155 78.3 59.4 89.0
157 89.4 72.2 108.2

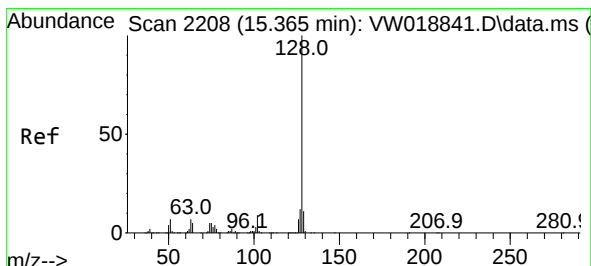
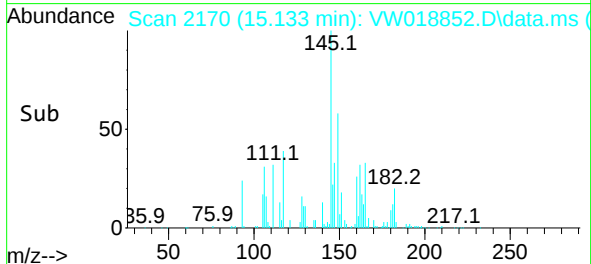
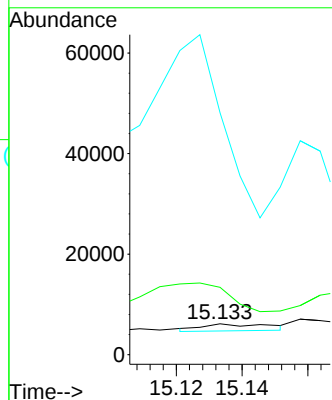
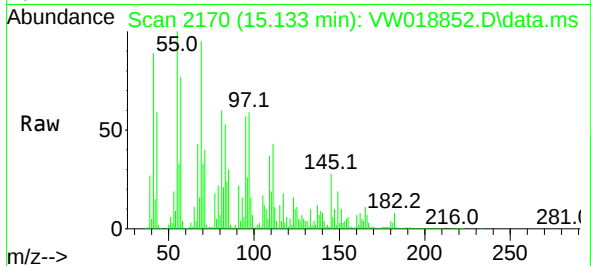




#70
1,2,4-trichlorobenzene
Concen: 0.47 ug/L
RT: 15.133 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

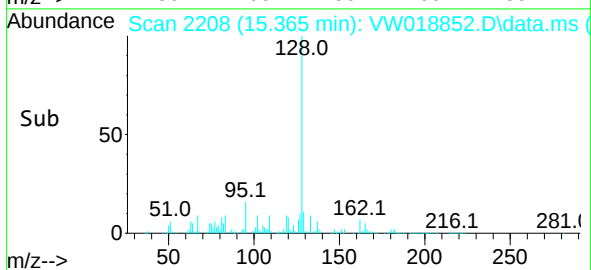
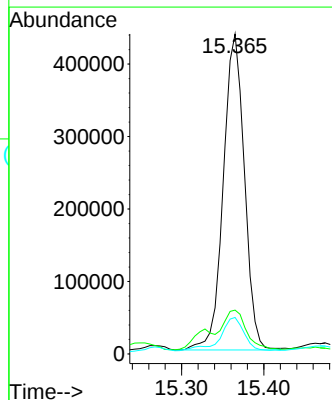
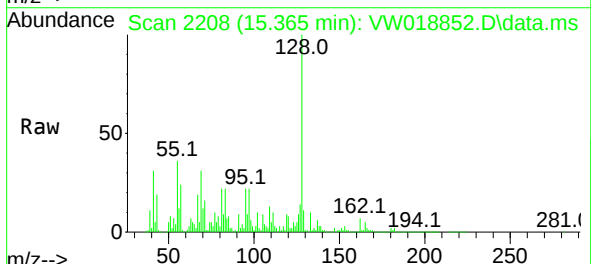
Instrument :
MSVOA_W
ClientSampled :

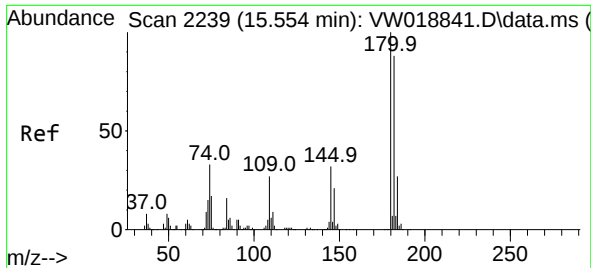
Tgt Ion:180 Resp: 1943
Ion Ratio Lower Upper
180 100
182 1230.1 74.7 112.1#
145 6901.3 25.0 37.4#



#71
Naphthalene
Concen: 89.23 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018852.D
Acq: 29 Apr 2021 17:54

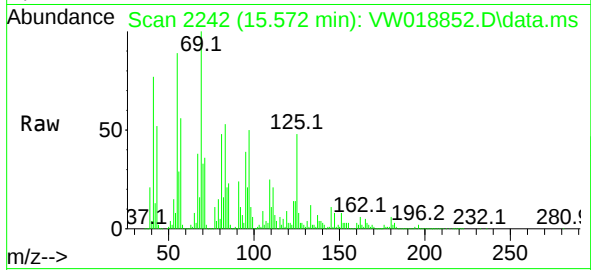
Tgt Ion:128 Resp: 779932
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 10.3 9.0 13.6





#72
 1,2,3-Trichlorobenzene
 Concen: 3.85 ug/L
 RT: 15.572 min Scan# 2242
 Delta R.T. 0.018 min
 Lab File: VW018852.D
 Acq: 29 Apr 2021 17:54

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 14091
 Ion Ratio Lower Upper
 180 100
 182 127.3 76.7 115.1#
 145 873.0 28.9 43.3#

