

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042721\
 Data File : VW018801.D
 Acq On : 27 Apr 2021 14:22
 Operator : SY/VA
 Sample : M2177-01RE
 Misc : 3.81G/10ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 28 00:42:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Apr 28 00:41:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	398195	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	234078	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	70633	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	79184	13.09	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	52.36%		
7) Chloroethane-d5	2.891	69	85674	15.97	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	63.88%		
11) 1,1-Dichloroethene-d2	4.013	63	108109	10.29	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	41.16%#		
21) 2-Butanone-d5	7.074	46	79517	57.73	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	115.46%		
24) Chloroform-d	7.647	84	231757	21.21	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	84.84%		
26) 1,2-Dichloroethane-d4	8.305	65	131426	21.39	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	85.56%		
32) Benzene-d6	8.275	84	370059	26.95	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	107.80%		
36) 1,2-Dichloropropane-d6	9.274	67	131403	31.75	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	127.00%#		
41) Toluene-d8	10.323	98	244302	19.45	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	77.80%		
43) trans-1,3-Dichloroprop...	10.579	79	39891	22.64	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	90.56%		
47) 2-Hexanone-d5	10.921	63	62921	87.44	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	174.88%#		
56) 1,1,2,2-Tetrachloroeth...	12.695	84	104049	30.11	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	120.44%#		
66) 1,2-Dichlorobenzene-d4	13.853	152	53702	21.64	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	86.56%		
Target Compounds					Qvalue	
13) Acetone	4.123	43	25805	25.81	ug/L	91
14) Carbon disulfide	4.385	76	28230	1.81	ug/L	98
16) Methylene chloride	4.915	84	30246	4.63	ug/L	93
22) 2-Butanone	7.183	43	10756	7.08	ug/L	95
29) Cyclohexane	7.952	56	4097	0.71	ug/L #	65
33) Benzene	8.323	78	30444	2.07	ug/L	100
35) Methylcyclohexane	9.335	83	21966	3.34	ug/L #	54
38) Bromodichloromethane	9.610	83	2272	0.48	ug/L #	44
39) cis-1,3-Dichloropropene	10.037	75	3268	0.59	ug/L	99
40) 4-Methyl-2-pentanone	10.250	43	25634	11.21	ug/L #	76
42) Toluene	10.384	91	7662	0.49	ug/L	98
48) 2-Hexanone	10.933	43	85306	59.03	ug/L #	24
51) Chlorobenzene	11.658	112	7506	0.77	ug/L	91
52) Ethylbenzene	11.731	91	81964	4.70	ug/L	95
53) m,p-Xylene	11.835	106	34295	5.36	ug/L	80
54) o-Xylene	12.164	106	30829	5.02	ug/L	90
55) Styrene	12.176	104	4528	0.43	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.688	83	35327	10.27	ug/L #	1
60) Isopropylbenzene	13.103	105	98814	9.51	ug/L	94

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

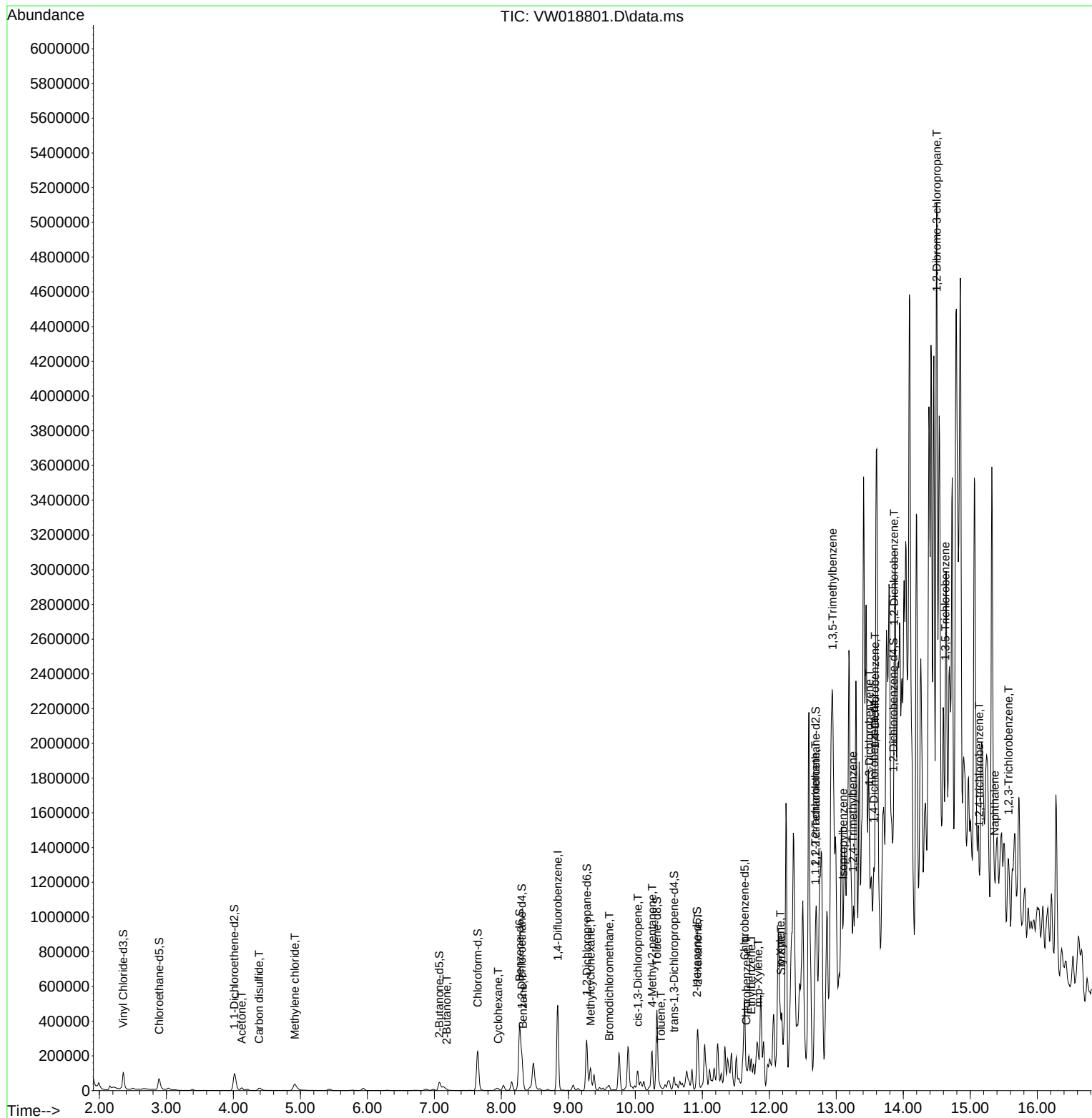
62) 1,3,5-Trimethylbenzene	12.945	105	85169	9.90	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	170508	19.86	ug/L	98
64) 1,3-Dichlorobenzene	13.493	146	4841	1.10	ug/L #	1
65) 1,4-Dichlorobenzene	13.579	146	12035	2.70	ug/L #	1
67) 1,2-Dichlorobenzene	13.865	146	8708	2.15	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.499	75	15287	45.58	ug/L #	12
69) 1,3,5-Trichlorobenzene	14.627	180	3493	1.11	ug/L #	53
70) 1,2,4-trichlorobenzene	15.133	180	2300	0.90	ug/L #	83
71) Naphthalene	15.365	128	123029	22.83	ug/L #	79
72) 1,2,3-Trichlorobenzene	15.572	180	5597	2.48	ug/L #	1

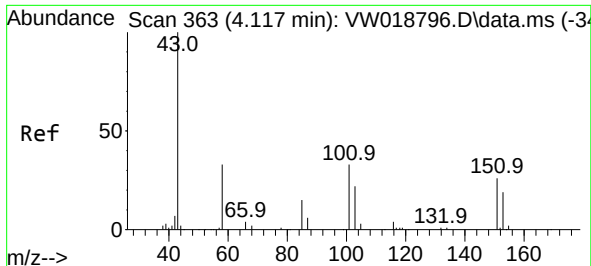
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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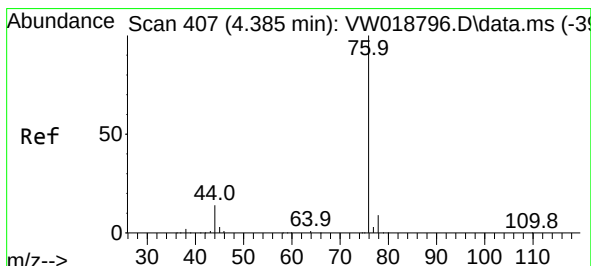
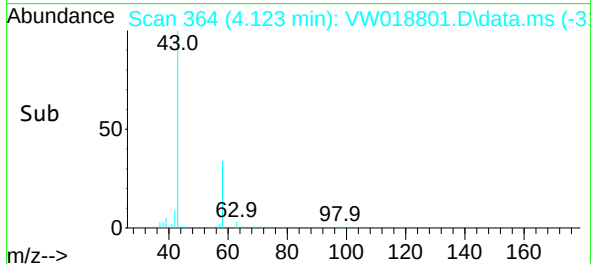
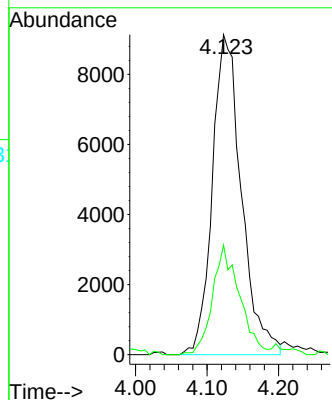
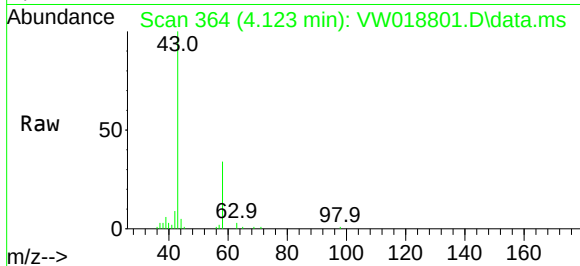




#13
Acetone
Concen: 25.81 ug/L
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

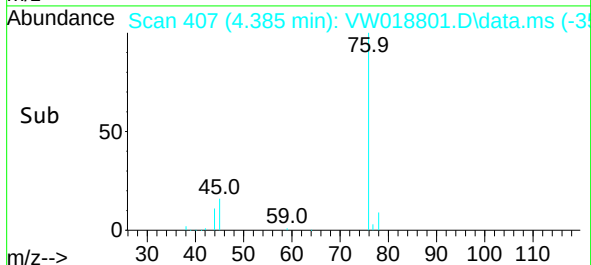
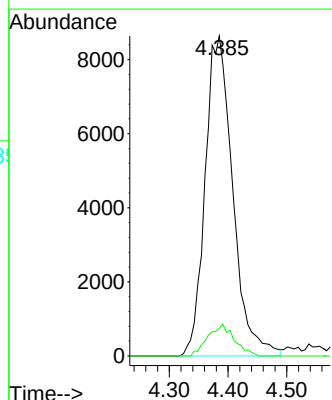
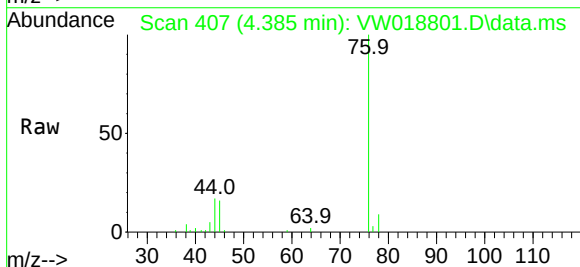
Instrument :
MSVOA_W
ClientSampled :

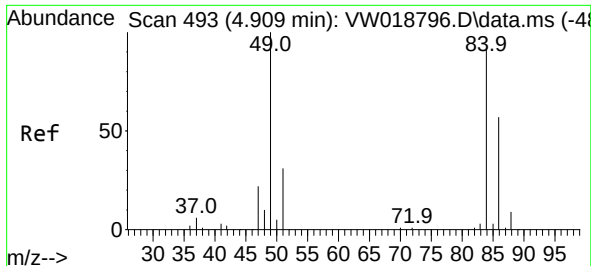
Tgt Ion: 43 Resp: 25805
Ion Ratio Lower Upper
43 100
58 31.6 0.0 53.8



#14
Carbon disulfide
Concen: 1.81 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

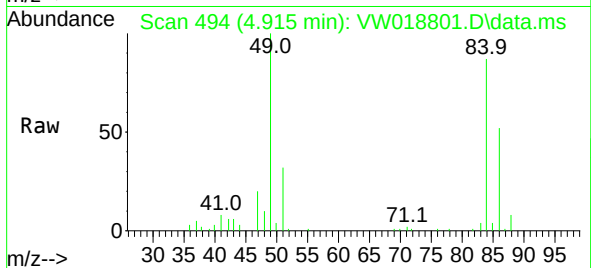
Tgt Ion: 76 Resp: 28230
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



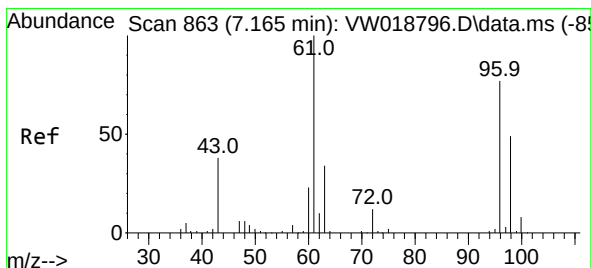
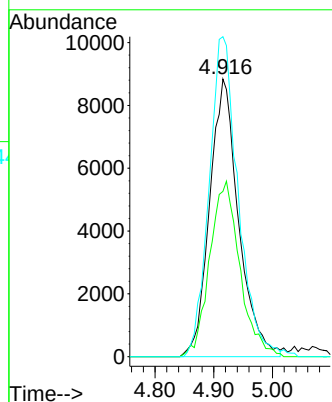
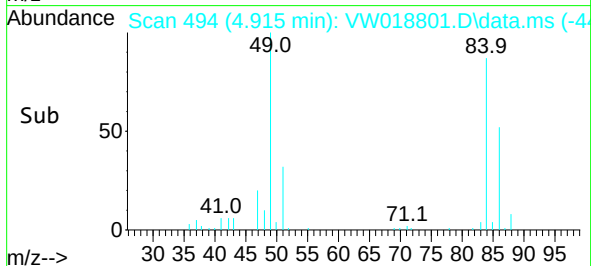


#16
Methylene chloride
Concen: 4.63 ug/L
RT: 4.915 min Scan# 494
Delta R.T. 0.006 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

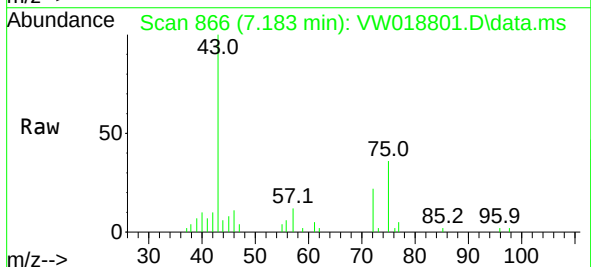
Instrument :
MSVOA_W
ClientSampled :



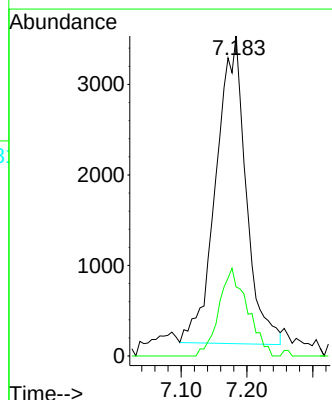
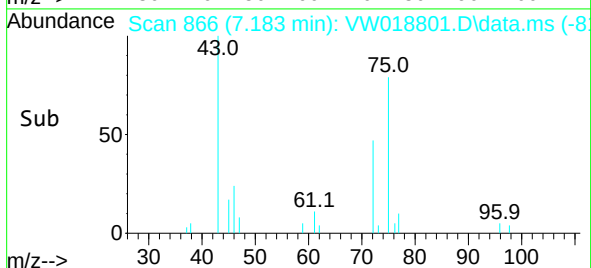
Tgt Ion: 84 Resp: 30246
Ion Ratio Lower Upper
84 100
86 59.6 45.3 84.1
49 115.3 86.6 160.8

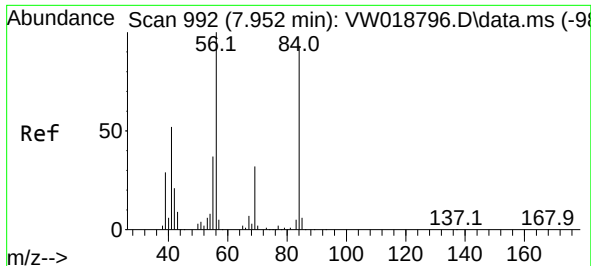


#22
2-Butanone
Concen: 7.08 ug/L
RT: 7.183 min Scan# 866
Delta R.T. 0.018 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22



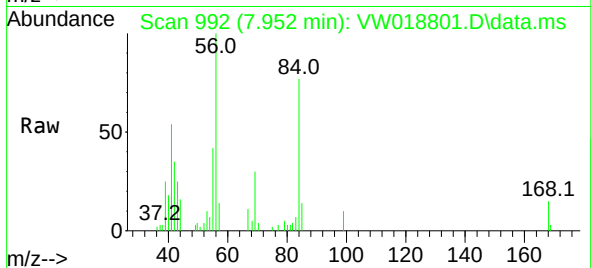
Tgt Ion: 43 Resp: 10756
Ion Ratio Lower Upper
43 100
72 27.0 14.9 44.7



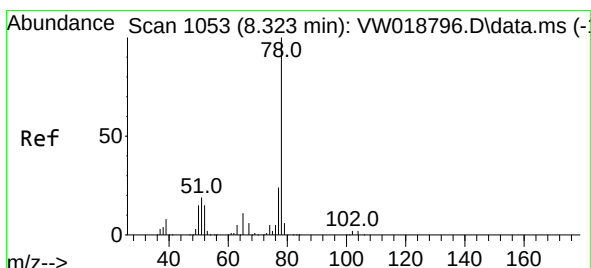
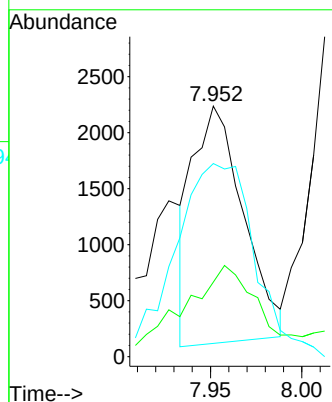
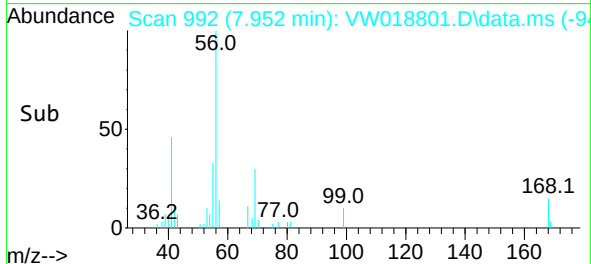


#29
Cyclohexane
Concen: 0.71 ug/L
RT: 7.952 min Scan# 992
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

Instrument :
MSVOA_W
ClientSampled :

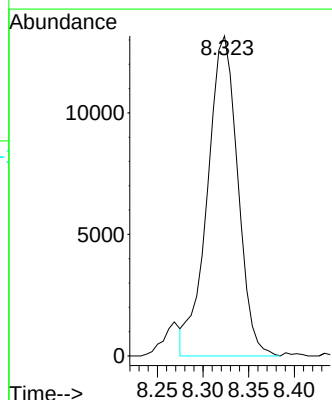
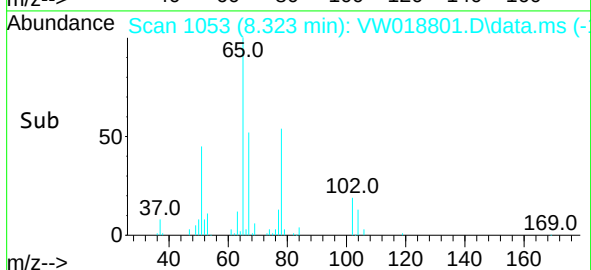
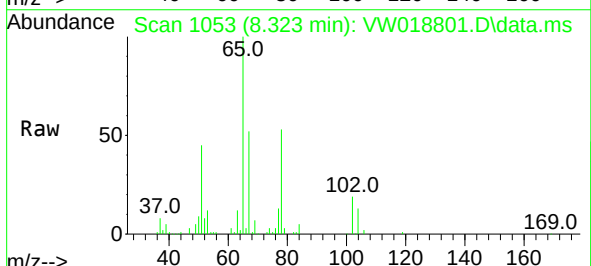


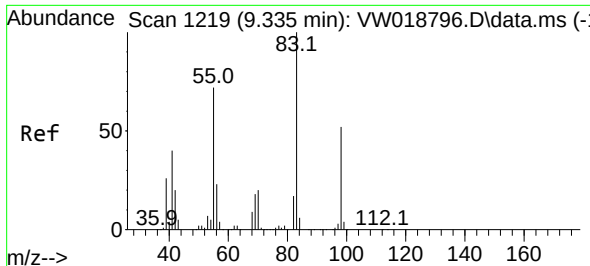
Tgt Ion: 56 Resp: 4097
Ion Ratio Lower Upper
56 100
69 53.6 24.5 36.7#
84 125.5 75.0 112.4#



#33
Benzene
Concen: 2.07 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

Tgt Ion: 78 Resp: 30444

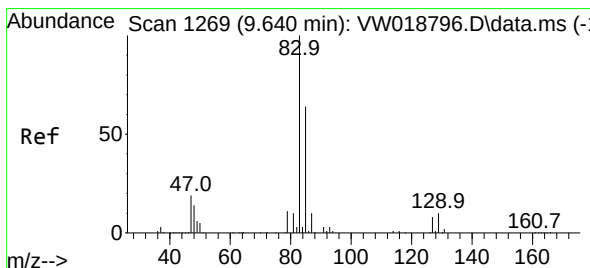
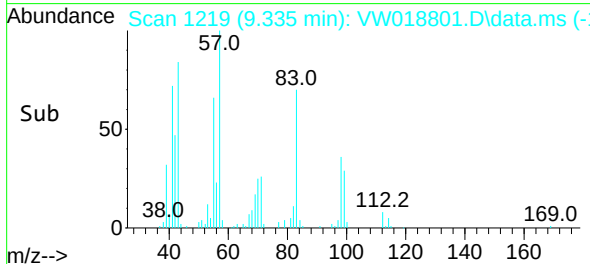
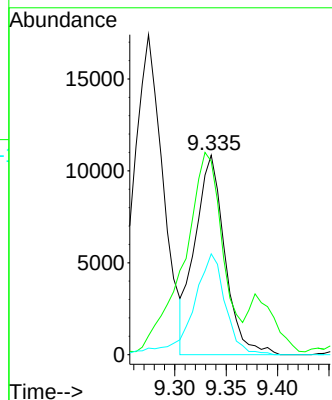
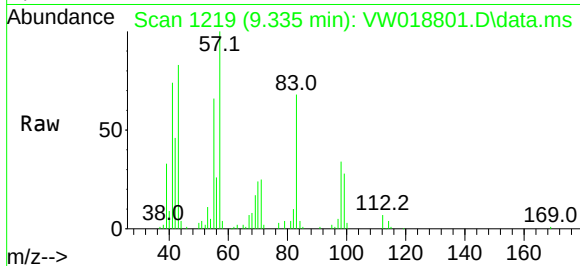




#35
Methylcyclohexane
Concen: 3.34 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

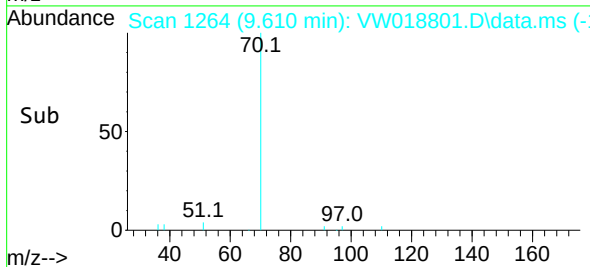
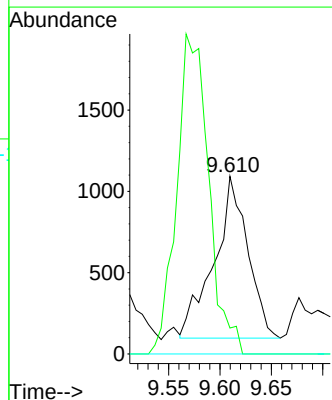
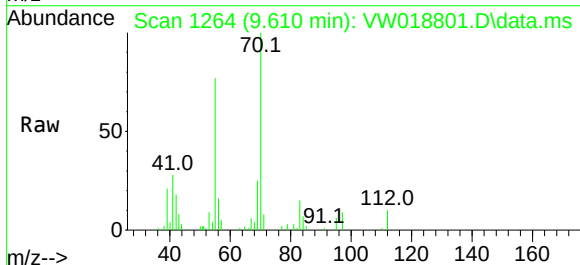
Instrument :
MSVOA_W
ClientSampleId :

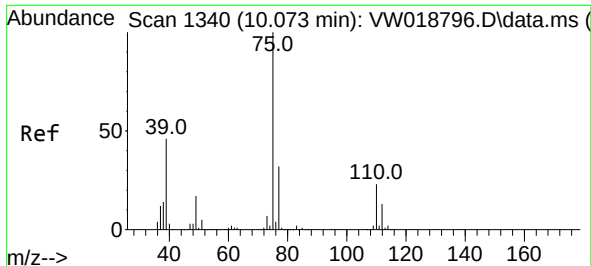
Tgt Ion: 83 Resp: 21966
Ion Ratio Lower Upper
83 100
55 134.4 58.9 88.3#
98 54.6 40.1 60.1



#38
Bromodichloromethane
Concen: 0.48 ug/L
RT: 9.610 min Scan# 1264
Delta R.T. -0.030 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

Tgt Ion: 83 Resp: 2272
Ion Ratio Lower Upper
83 100
85 14.6 42.3 78.5#
127 0.0 6.6 9.8#

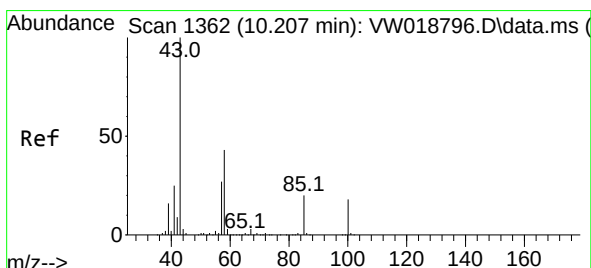
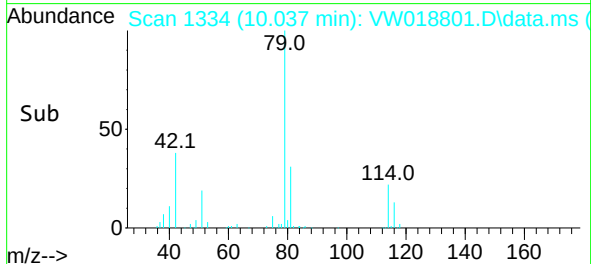
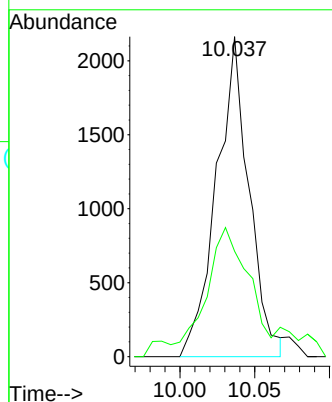
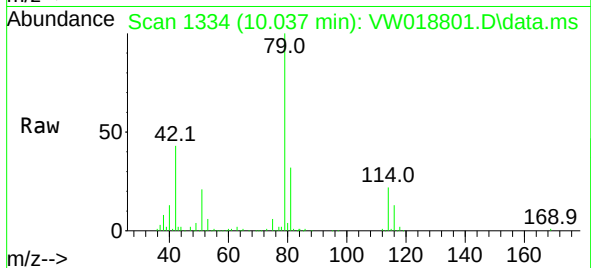




#39
cis-1,3-Dichloropropene
Concen: 0.59 ug/L
RT: 10.037 min Scan# 1334
Delta R.T. -0.037 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

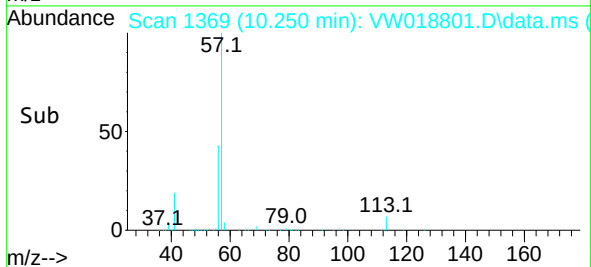
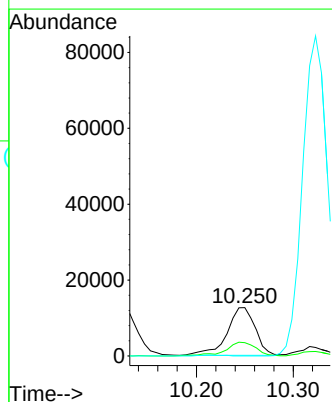
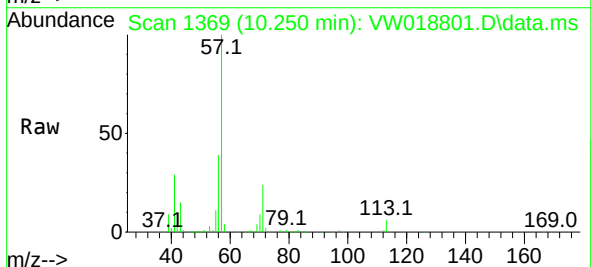
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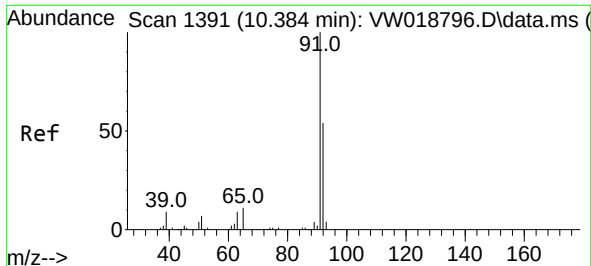
Tgt Ion: 75 Resp: 3268
Ion Ratio Lower Upper
75 100
77 33.0 22.6 42.0



#40
4-Methyl-2-pentanone
Concen: 11.21 ug/L
RT: 10.250 min Scan# 1369
Delta R.T. 0.043 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

Tgt Ion: 43 Resp: 25634
Ion Ratio Lower Upper
43 100
58 27.4 31.0 46.4#
100 0.0 13.0 19.6#

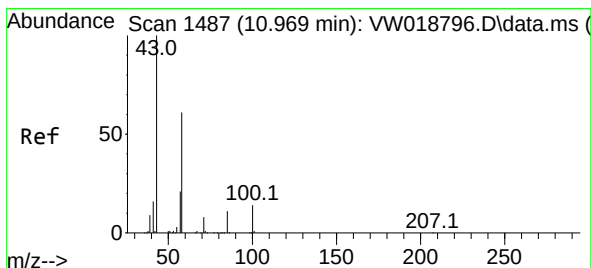
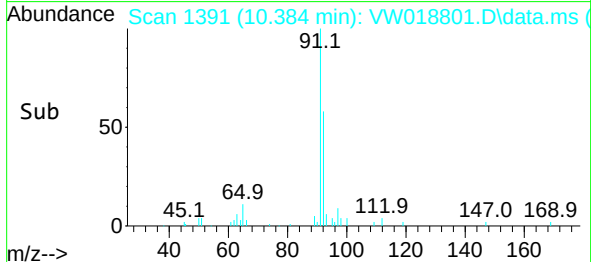
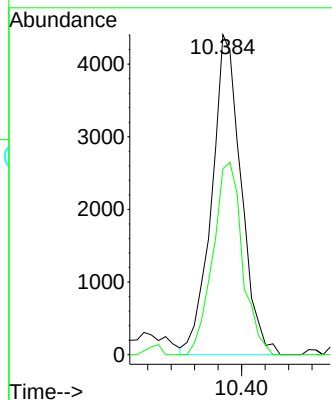
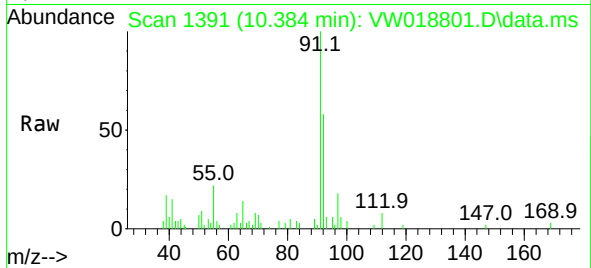




#42
Toluene
Concen: 0.49 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

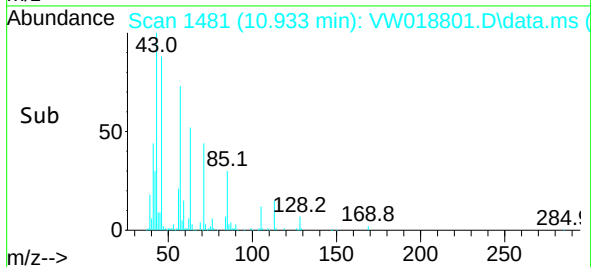
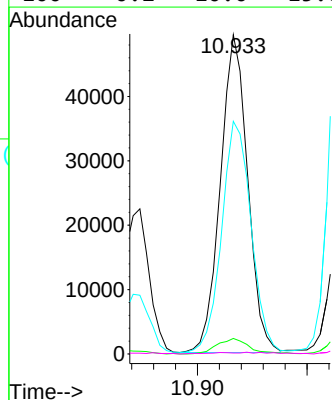
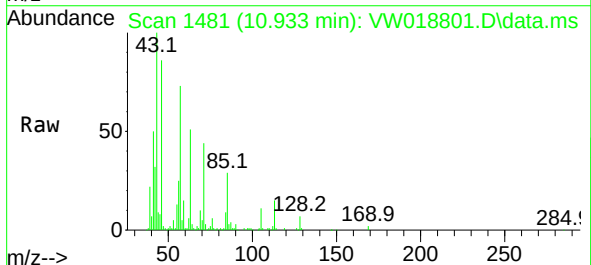
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ClientSampled :

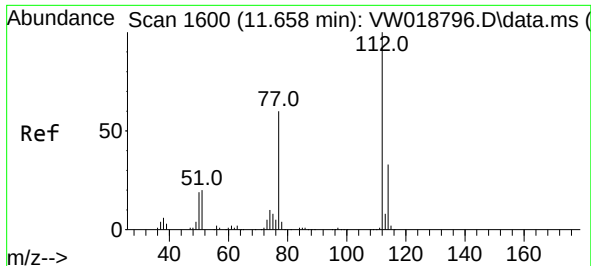
Tgt Ion: 91 Resp: 7662
Ion Ratio Lower Upper
91 100
92 58.1 39.5 73.3



#48
2-Hexanone
Concen: 59.03 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

Tgt Ion: 43 Resp: 85306
Ion Ratio Lower Upper
43 100
58 5.8 42.7 64.1#
57 78.2 15.8 23.8#
100 0.2 10.0 15.0#

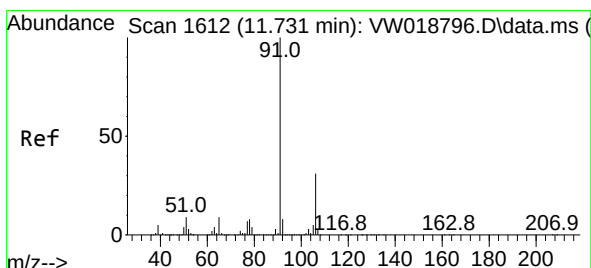
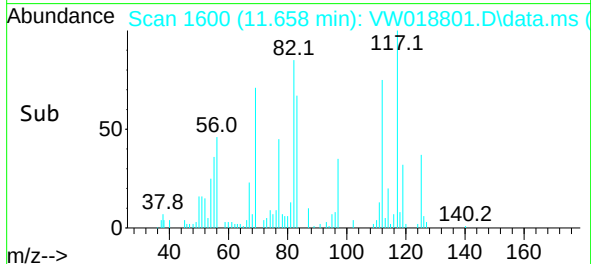
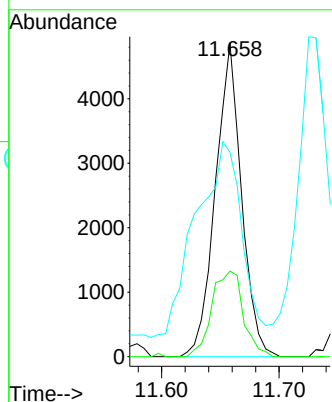
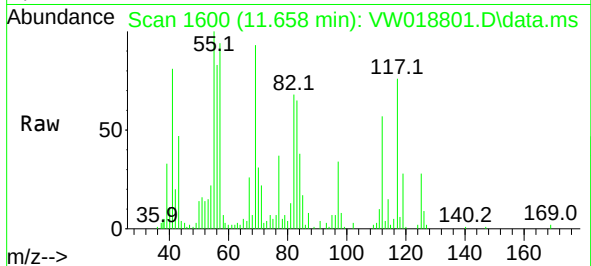




#51
Chlorobenzene
Concen: 0.77 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

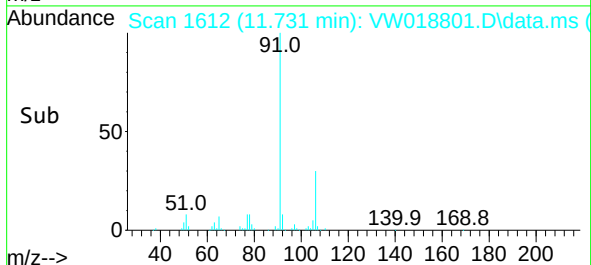
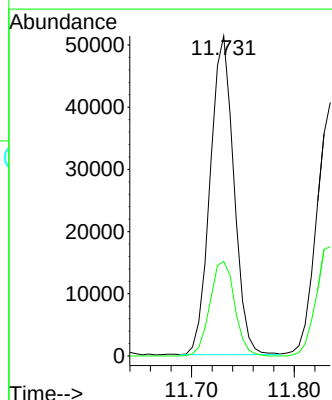
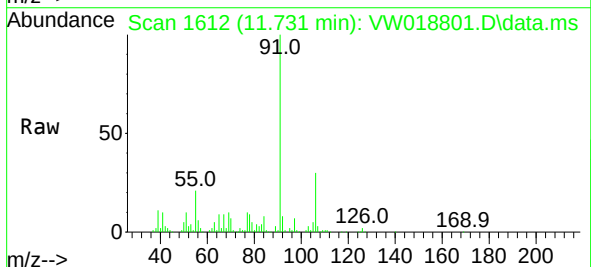
Instrument :
MSVOA_W
ClientSampled :

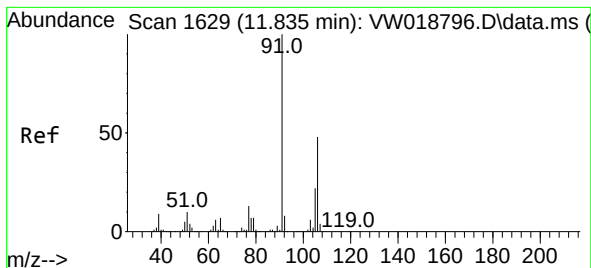
Tgt Ion:112 Resp: 7506
Ion Ratio Lower Upper
112 100
114 27.3 23.4 43.6
77 65.2 47.6 71.4



#52
Ethylbenzene
Concen: 4.70 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

Tgt Ion: 91 Resp: 81964
Ion Ratio Lower Upper
91 100
106 29.5 22.5 41.7

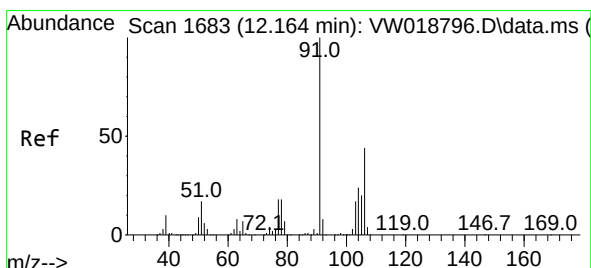
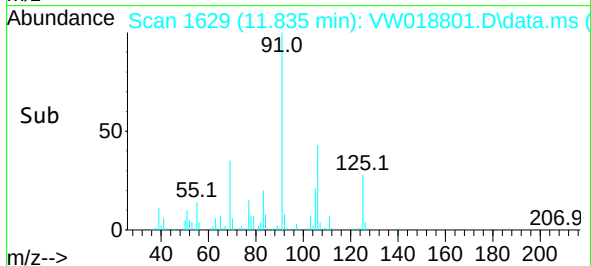
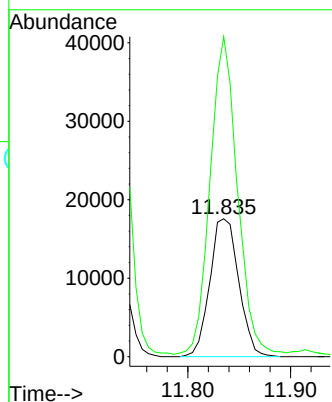
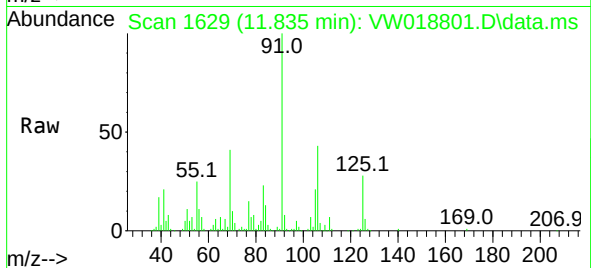




#53
m,p-Xylene
Concen: 5.36 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

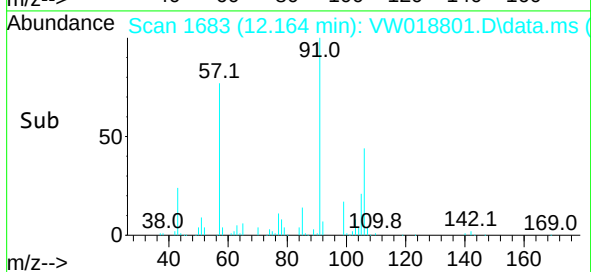
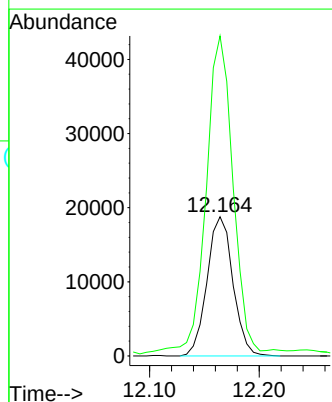
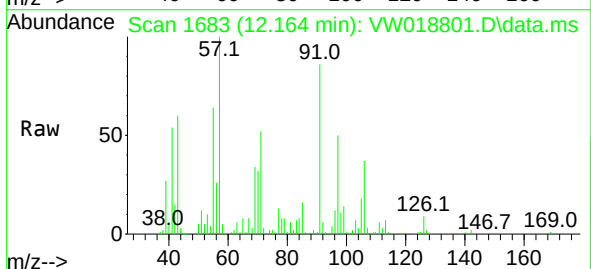
Instrument :
MSVOA_W
ClientSampled :

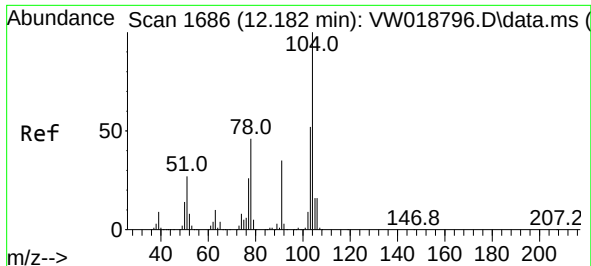
Tgt Ion:106 Resp: 34295
Ion Ratio Lower Upper
106 100
91 232.0 141.3 262.3



#54
o-Xylene
Concen: 5.02 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

Tgt Ion:106 Resp: 30829
Ion Ratio Lower Upper
106 100
91 229.8 150.0 278.6

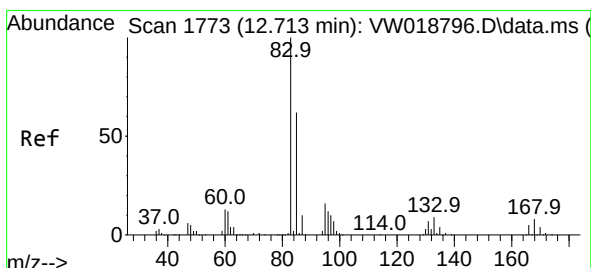
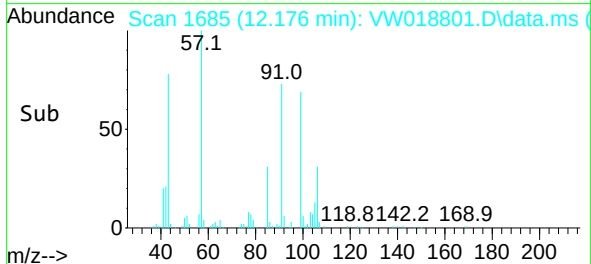
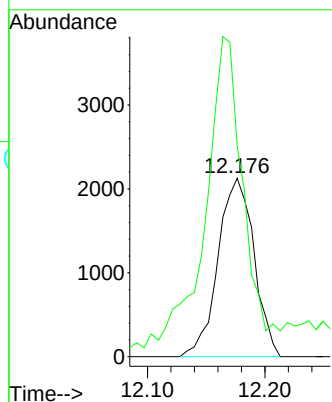
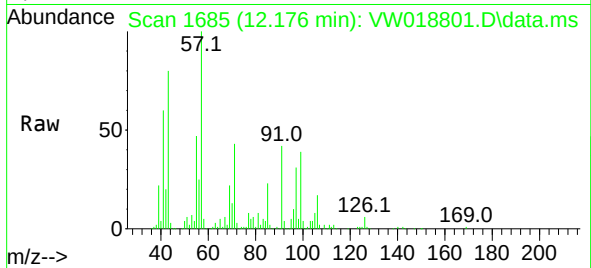




#55
Styrene
Concen: 0.43 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

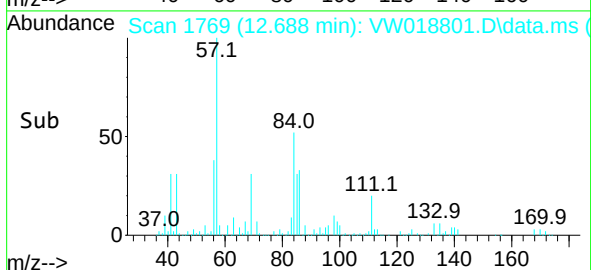
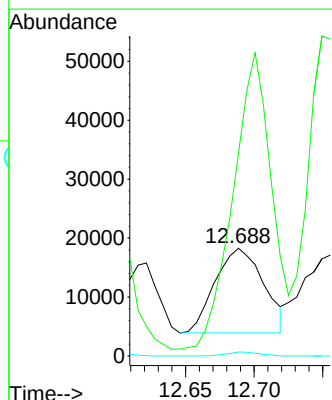
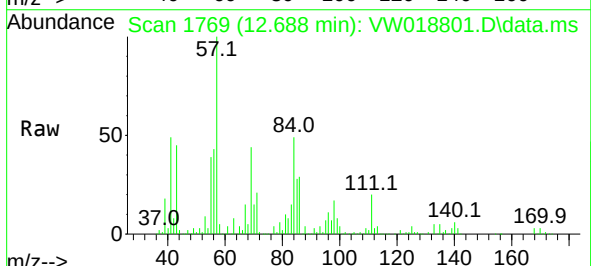
Instrument :
MSVOA_W
ClientSampled :

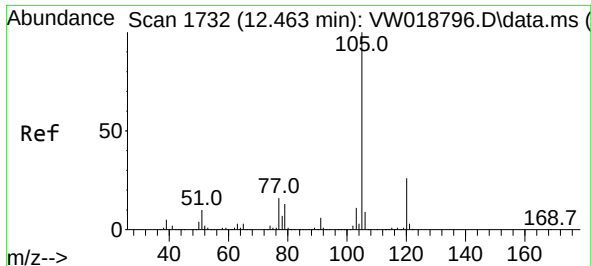
Tgt Ion:104 Resp: 4528
Ion Ratio Lower Upper
104 100
78 118.3 32.5 60.3#



#57
1,1,2,2-Tetrachloroethane
Concen: 10.27 ug/L
RT: 12.688 min Scan# 1769
Delta R.T. -0.024 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

Tgt Ion: 83 Resp: 35327
Ion Ratio Lower Upper
83 100
85 187.4 44.4 82.4#
131 3.8 8.2 12.4#

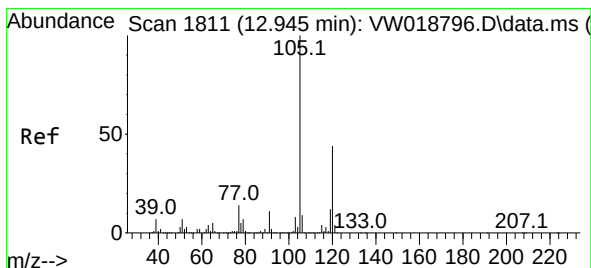
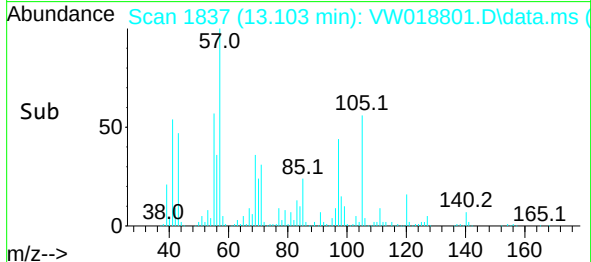
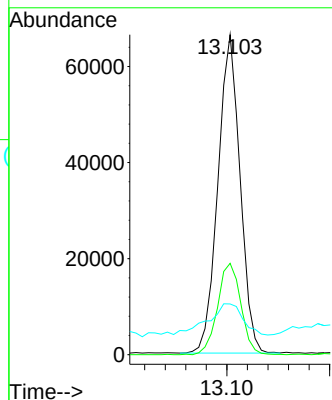
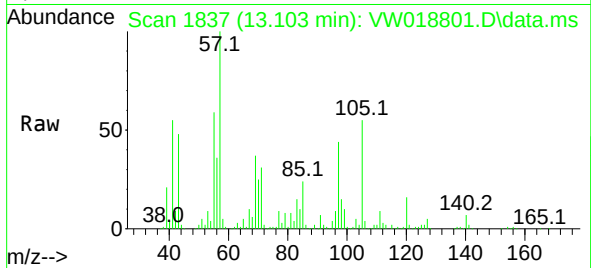




#60
Isopropylbenzene
Concen: 9.51 ug/L
RT: 13.103 min Scan# 1837
Delta R.T. 0.640 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

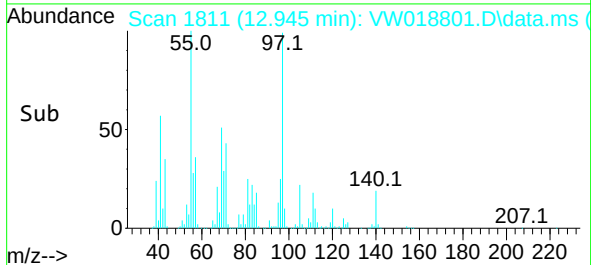
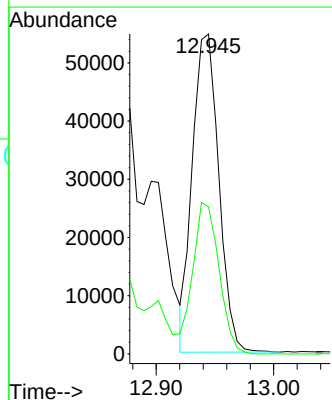
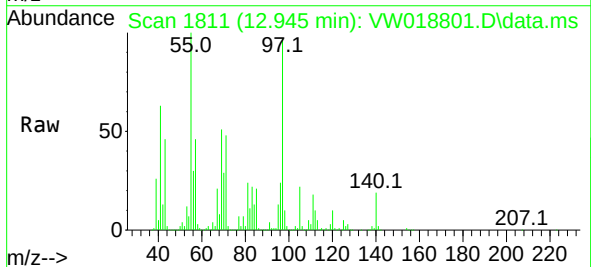
Instrument :
MSVOA_W
ClientSampled :

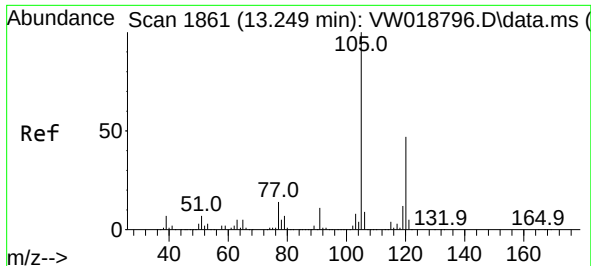
Tgt Ion:105 Resp: 98814
Ion Ratio Lower Upper
105 100
120 30.2 21.1 31.7
77 14.5 13.2 19.8



#62
1,3,5-Trimethylbenzene
Concen: 9.90 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

Tgt Ion:105 Resp: 85169
Ion Ratio Lower Upper
105 100
120 48.4 39.0 58.6

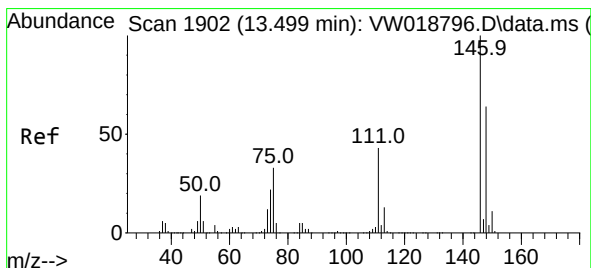
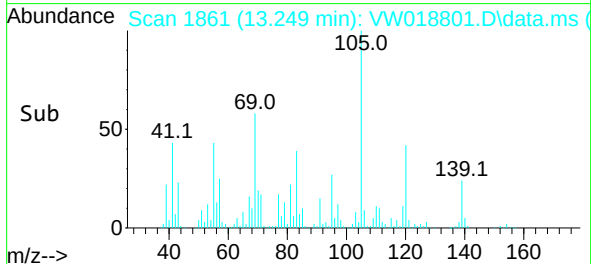
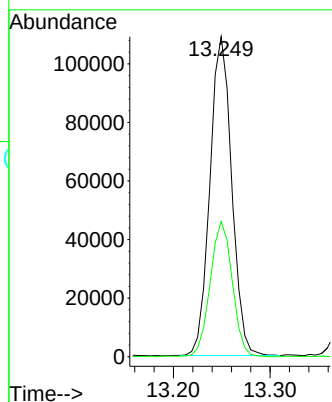
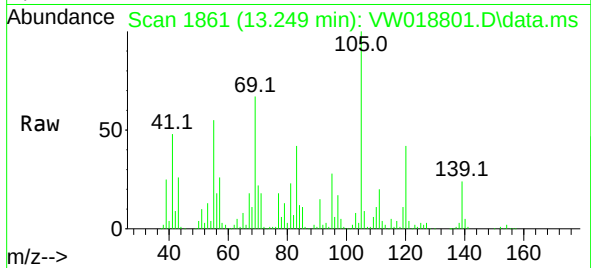




#63
1,2,4-Trimethylbenzene
Concen: 19.86 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

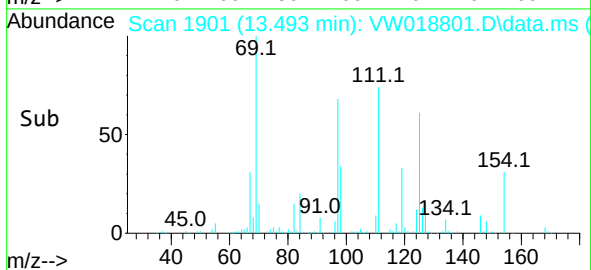
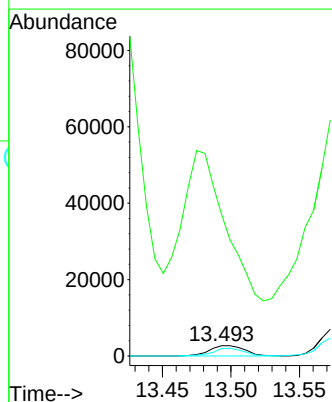
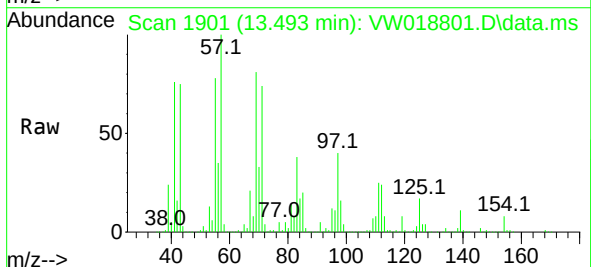
Instrument :
MSVOA_W
ClientSampled :

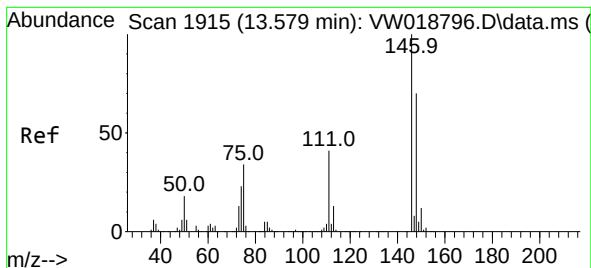
Tgt Ion:105 Resp: 170508
Ion Ratio Lower Upper
105 100
120 42.9 35.6 53.4



#64
1,3-Dichlorobenzene
Concen: 1.10 ug/L
RT: 13.493 min Scan# 1901
Delta R.T. -0.006 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

Tgt Ion:146 Resp: 4841
Ion Ratio Lower Upper
146 100
111 1371.3 26.7 49.7#
148 71.7 41.1 76.3

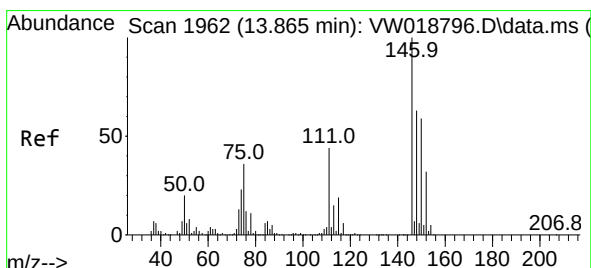
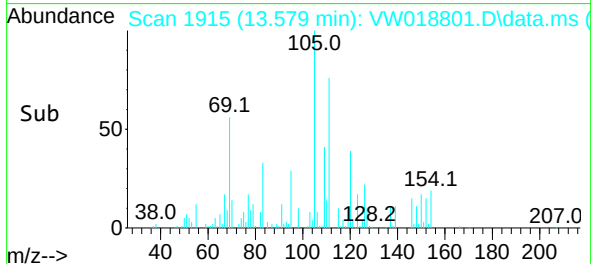
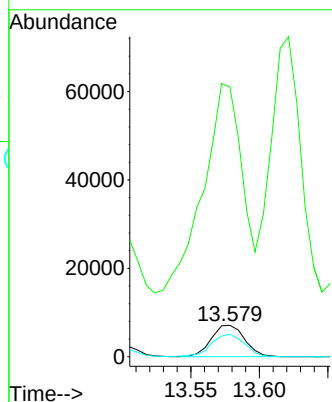
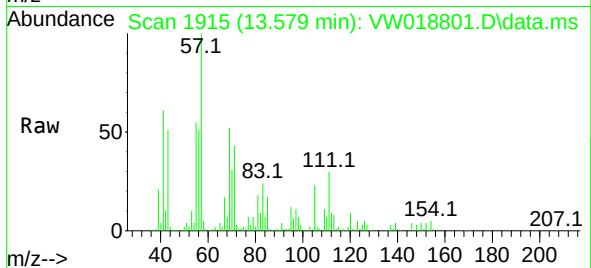




#65
1,4-Dichlorobenzene
Concen: 2.70 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

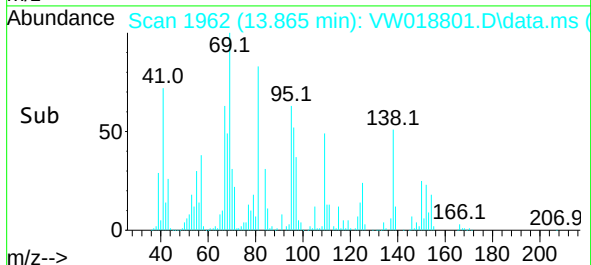
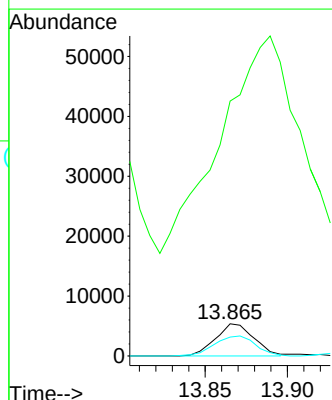
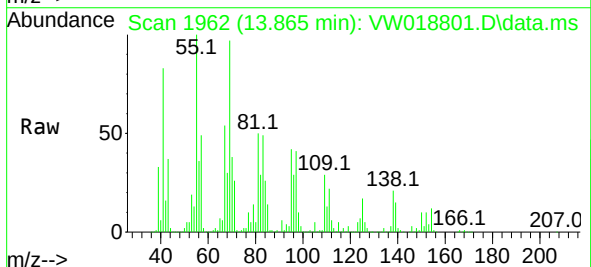
Instrument :
MSVOA_W
ClientSampled :

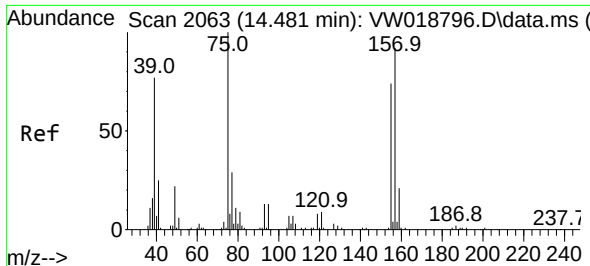
Tgt Ion:146 Resp: 12035
Ion Ratio Lower Upper
146 100
111 860.3 28.8 53.4#
148 71.8 46.8 87.0



#67
1,2-Dichlorobenzene
Concen: 2.15 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

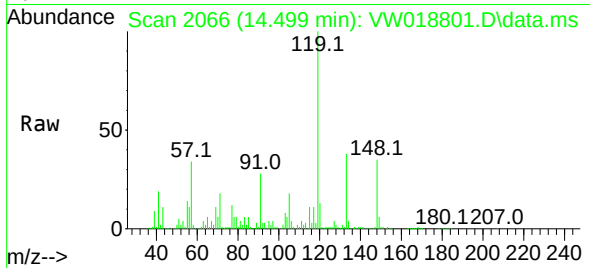
Tgt Ion:146 Resp: 8708
Ion Ratio Lower Upper
146 100
111 791.7 33.2 49.8#
148 58.7 50.4 75.6



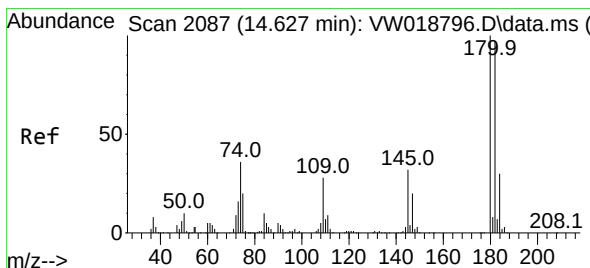
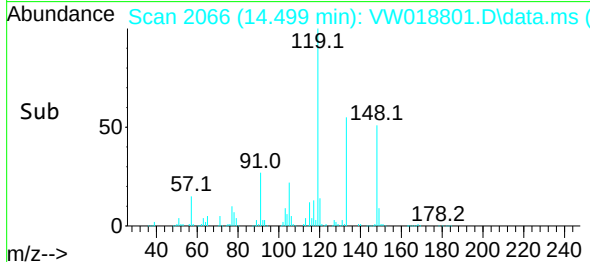
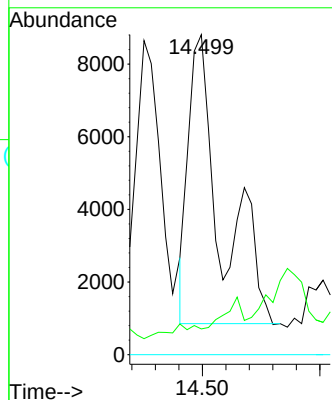


#68
1,2-Dibromo-3-chloropropane
Concen: 45.58 ug/L
RT: 14.499 min Scan# 2066
Delta R.T. 0.018 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

Instrument :
MSVOA_W
ClientSampled :

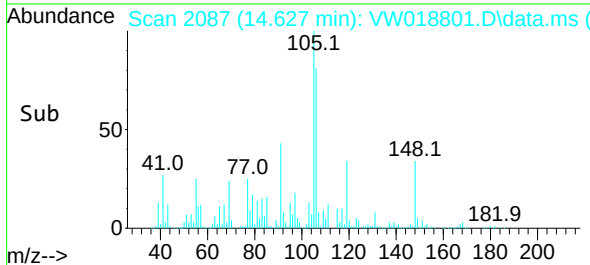
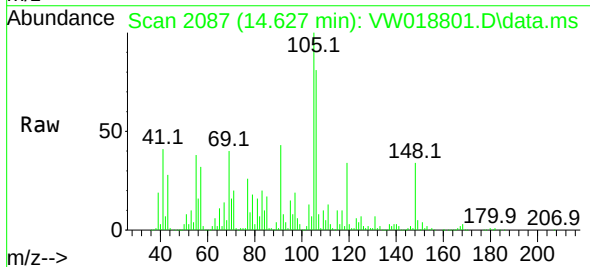
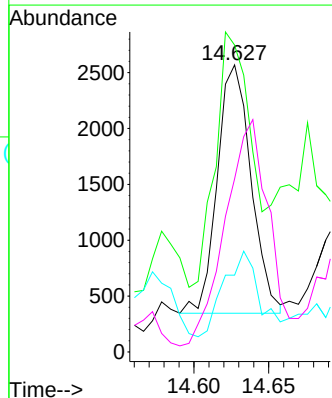


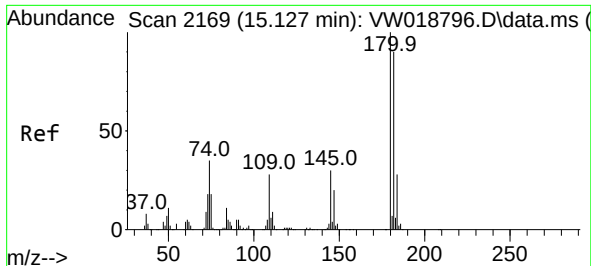
Tgt Ion: 75 Resp: 15287
Ion Ratio Lower Upper
75 100
155 8.1 59.4 89.0#
157 0.0 72.2 108.2#



#69
1,3,5-Trichlorobenzene
Concen: 1.11 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

Tgt Ion: 180 Resp: 3493
Ion Ratio Lower Upper
180 100
182 106.1 73.4 110.2
184 45.7 23.6 35.4#
145 118.7 24.9 37.3#

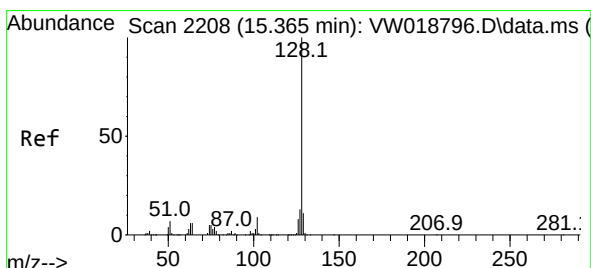
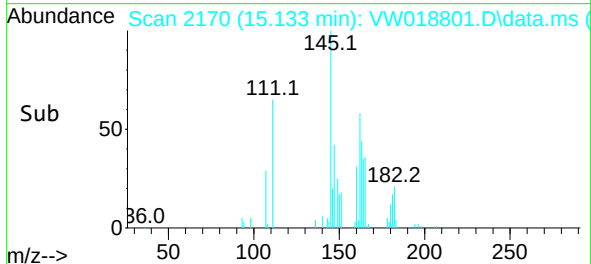
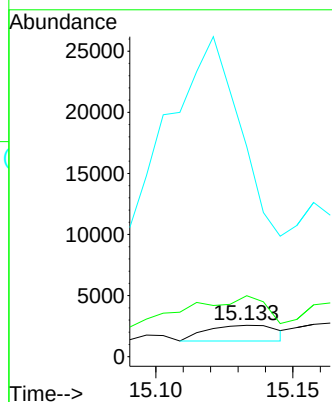
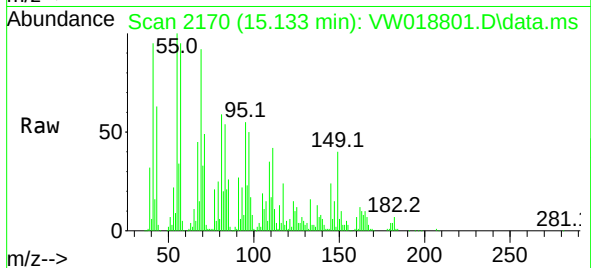




#70
1,2,4-trichlorobenzene
Concen: 0.90 ug/L
RT: 15.133 min Scan# 2170
Delta R.T. 0.006 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

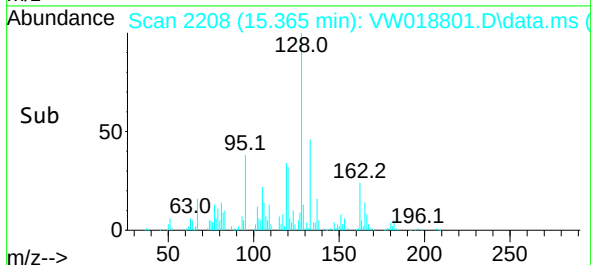
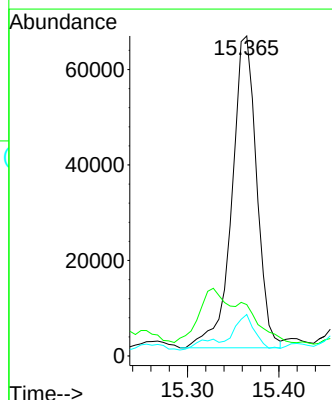
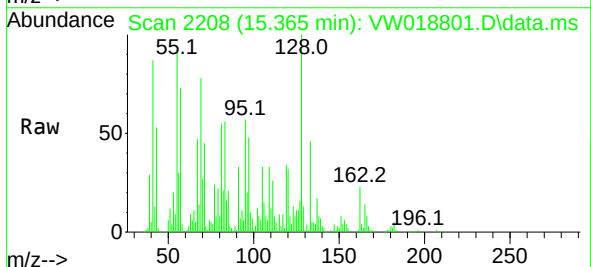
Instrument :
MSVOA_W
ClientSampled :

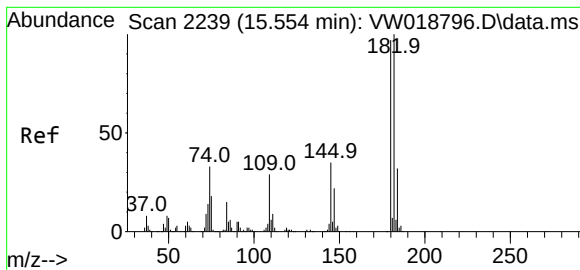
Tgt Ion:180 Resp: 2300
Ion Ratio Lower Upper
180 100
182 89.7 74.7 112.1
145 0.0 25.0 37.4#



#71
Naphthalene
Concen: 22.83 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW018801.D
Acq: 27 Apr 2021 14:22

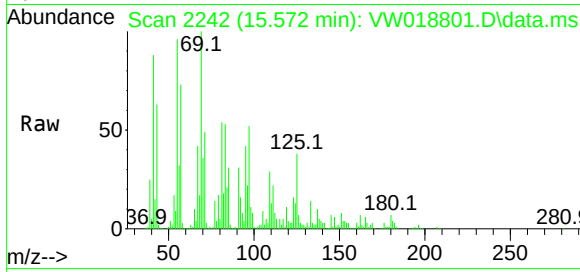
Tgt Ion:128 Resp: 123029
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 8.8 9.0 13.6#





#72
 1,2,3-Trichlorobenzene
 Concen: 2.48 ug/L
 RT: 15.572 min Scan# 2242
 Delta R.T. 0.018 min
 Lab File: VW018801.D
 Acq: 27 Apr 2021 14:22

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 5597
 Ion Ratio Lower Upper
 180 100
 182 68.1 76.7 115.1#
 145 528.0 28.9 43.3#

