

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042721\
 Data File : VW018805.D
 Acq On : 27 Apr 2021 15:57
 Operator : SY/VA
 Sample : M2177-06
 Misc : 3.66G/10ML/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 28 00:43:17 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	413367	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	230058	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	65319	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	71794	11.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	45.72%
7) Chloroethane-d5	2.898	69	79849	14.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.36%
11) 1,1-Dichloroethene-d2	4.019	63	99893	9.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	36.64%#
21) 2-Butanone-d5	7.080	46	77888	54.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.94%
24) Chloroform-d	7.653	84	220145	19.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.64%
26) 1,2-Dichloroethane-d4	8.305	65	128209	20.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	80.40%
32) Benzene-d6	8.275	84	347503	25.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	9.275	67	124868	30.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	122.80%#
41) Toluene-d8	10.323	98	218925	17.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.96%
43) trans-1,3-Dichloroprop...	10.579	79	31261	18.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.20%
47) 2-Hexanone-d5	10.927	63	65419	92.50	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	185.00%#
56) 1,1,2,2-Tetrachloroeth...	12.695	84	98253	28.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.72%
66) 1,2-Dichlorobenzene-d4	13.853	152	44233	19.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	77.12%
Target Compounds						Qvalue
13) Acetone	4.129	43	25735	24.79	ug/L	77
14) Carbon disulfide	4.391	76	28453	1.76	ug/L	98
16) Methylene chloride	4.916	84	36003	5.31	ug/L	88
22) 2-Butanone	7.177	43	8507	5.39	ug/L	80
29) Cyclohexane	7.946	56	3539	0.62	ug/L #	56
33) Benzene	8.330	78	28940	2.00	ug/L	100
35) Methylcyclohexane	9.335	83	15044	2.33	ug/L #	38
42) Toluene	10.390	91	5668	0.37	ug/L	97
45) 1,1,2-Trichloroethane	10.762	97	14734	5.43	ug/L #	38
51) Chlorobenzene	11.658	112	5922	0.62	ug/L #	78
52) Ethylbenzene	11.731	91	61168	3.57	ug/L	92
53) m,p-Xylene	11.835	106	26385	4.20	ug/L	94
54) o-Xylene	12.164	106	27615	4.58	ug/L	85
55) Styrene	12.176	104	3128	0.30	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.695	83	24565	7.27	ug/L #	1
62) 1,3,5-Trimethylbenzene	12.945	105	66871	8.40	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	127167	16.01	ug/L	97
64) 1,3-Dichlorobenzene	13.499	146	4842	1.19	ug/L #	1
65) 1,4-Dichlorobenzene	13.579	146	10074	2.45	ug/L #	1

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 Response via : Initial Calibration

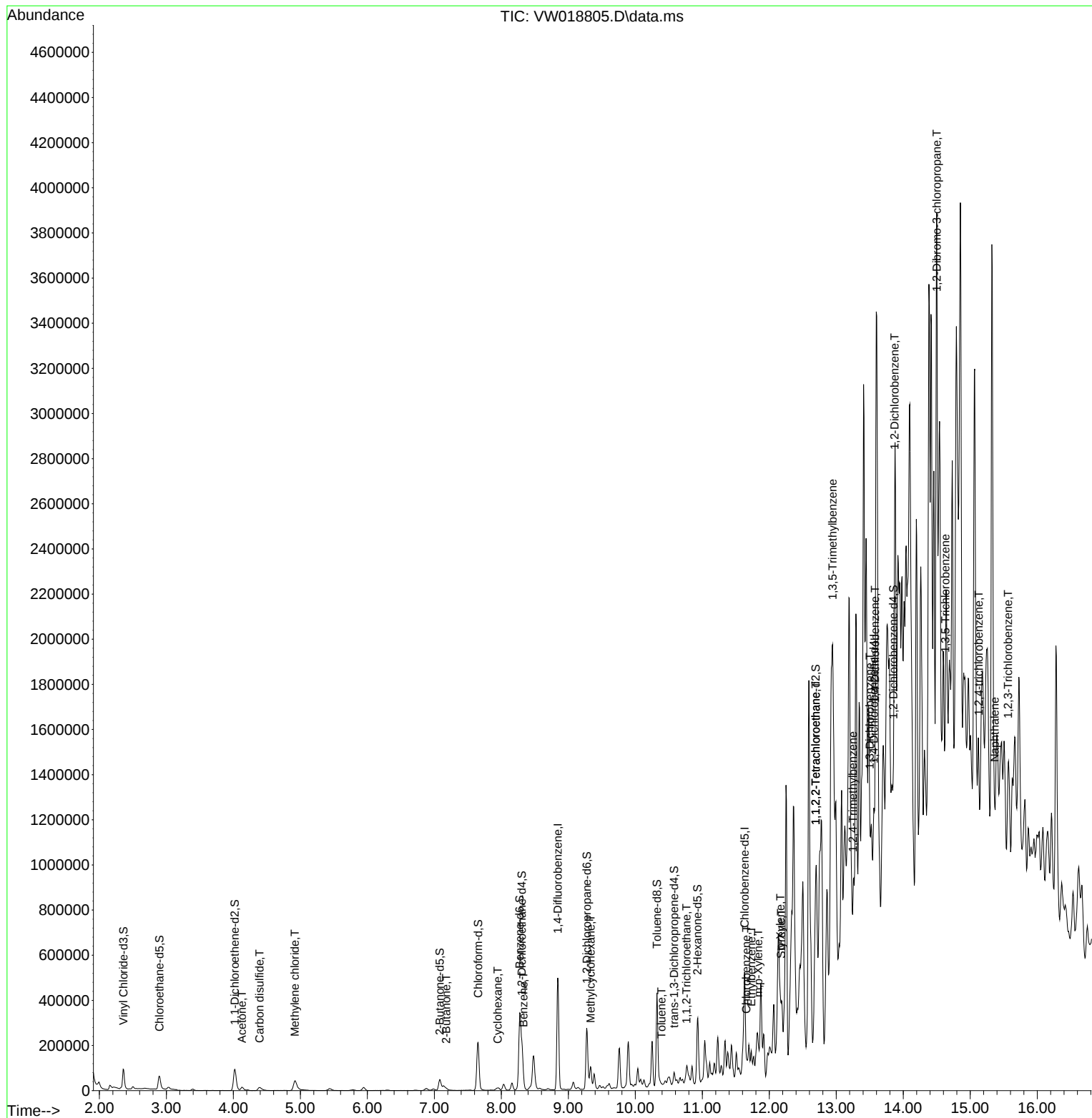
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	13.871	146	7832	2.09	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.499	75	8202	26.45	ug/L #	22
69) 1,3,5-Trichlorobenzene	14.627	180	4021	1.38	ug/L #	60
70) 1,2,4-trichlorobenzene	15.127	180	2062	0.87	ug/L #	1
71) Naphthalene	15.365	128	86489	17.35	ug/L #	80
72) 1,2,3-Trichlorobenzene	15.566	180	6797	3.26	ug/L #	1

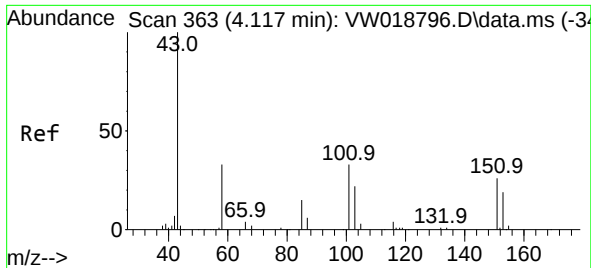
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0
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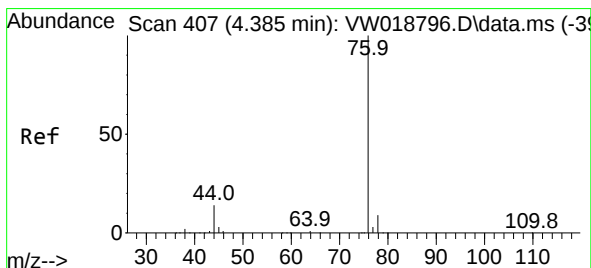
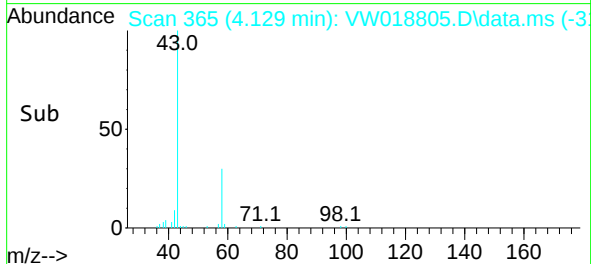
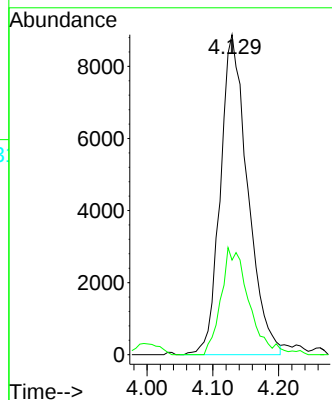
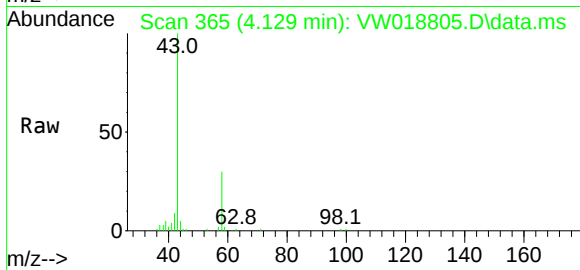




#13
Acetone
Concen: 24.79 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.012 min
Lab File: VW018805.D
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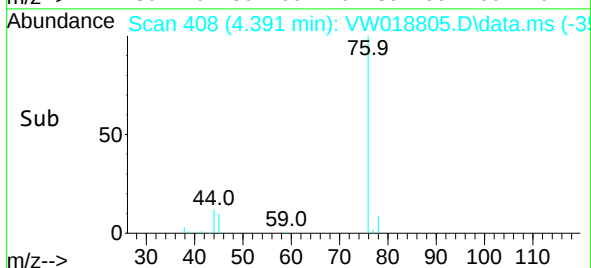
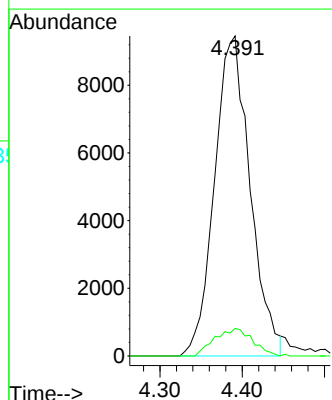
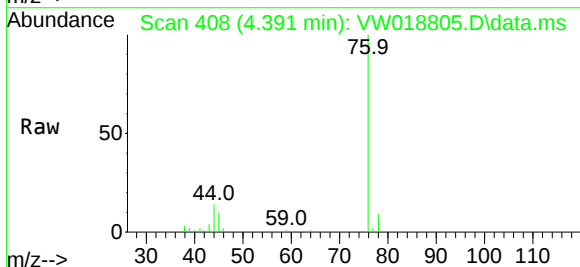
Instrument :
MSVOA_W
ClientSampled :

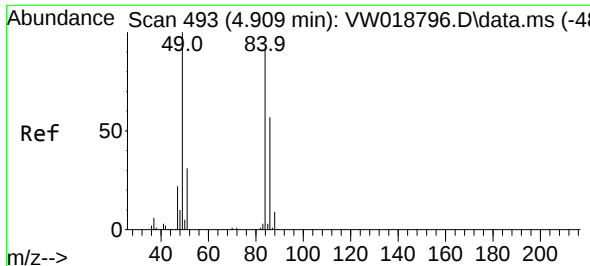
Tgt Ion: 43 Resp: 25735
Ion Ratio Lower Upper
43 100
58 15.1 0.0 53.8



#14
Carbon disulfide
Concen: 1.76 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

Tgt Ion: 76 Resp: 28453
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0

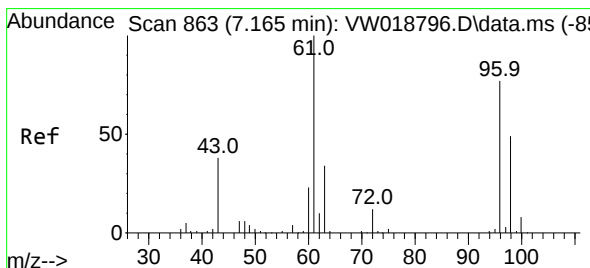
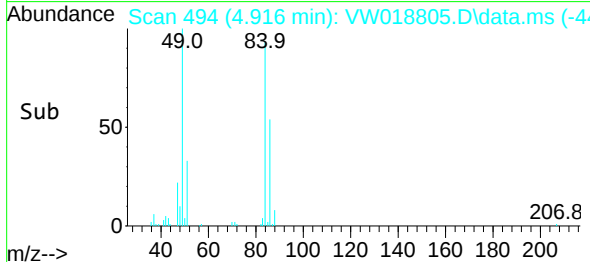
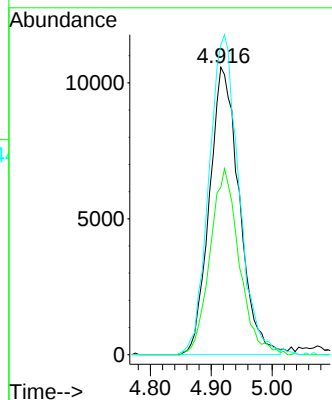
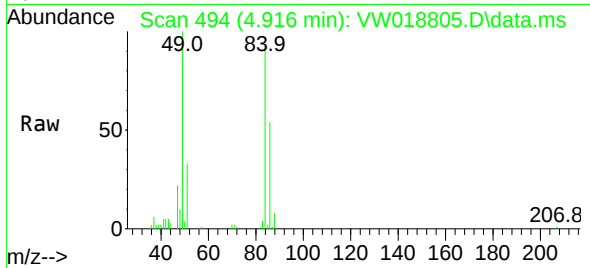




#16
Methylene chloride
Concen: 5.31 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.006 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

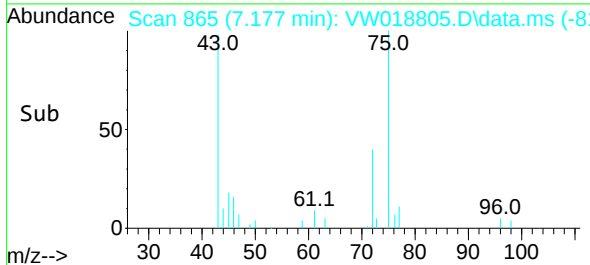
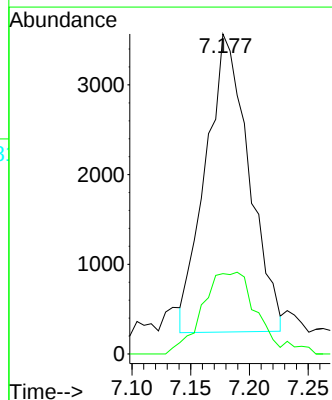
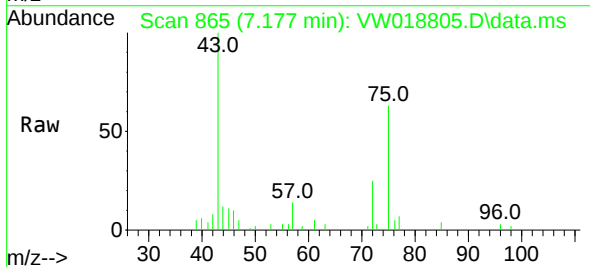
Instrument :
MSVOA_W
ClientSampled :

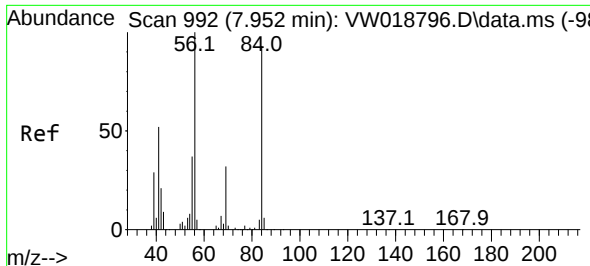
Tgt Ion: 84 Resp: 36003
Ion Ratio Lower Upper
84 100
86 58.3 45.3 84.1
49 107.9 86.6 160.8



#22
2-Butanone
Concen: 5.39 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.012 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

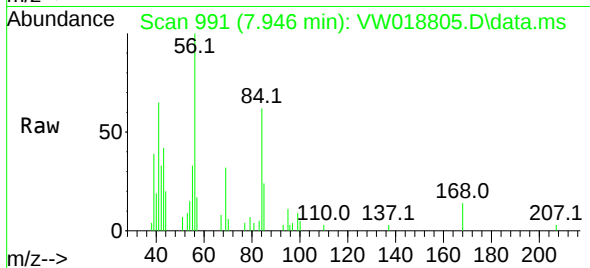
Tgt Ion: 43 Resp: 8507
Ion Ratio Lower Upper
43 100
72 19.2 14.9 44.7



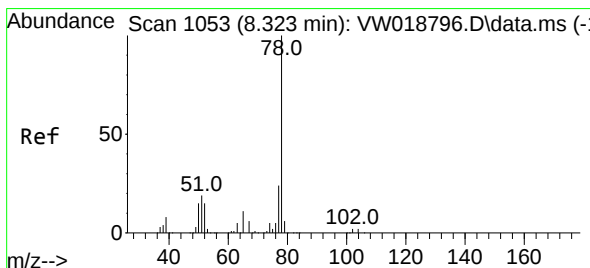
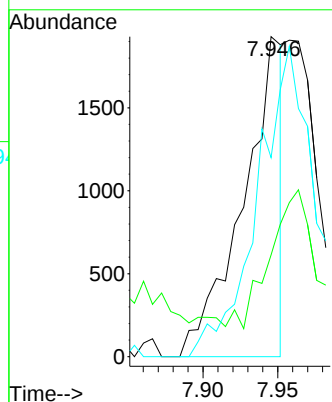
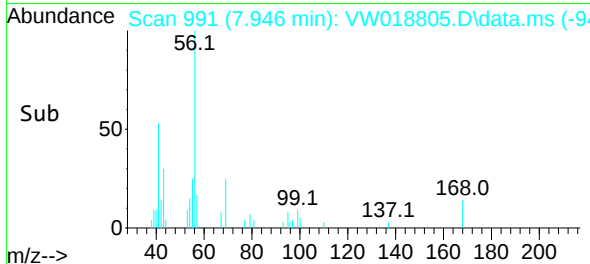


#29
Cyclohexane
Concen: 0.62 ug/L
RT: 7.946 min Scan# 991
Delta R.T. -0.006 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

Instrument :
MSVOA_W
ClientSampled :

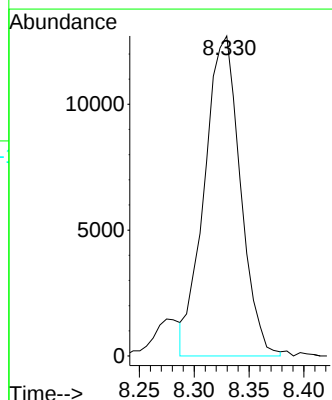
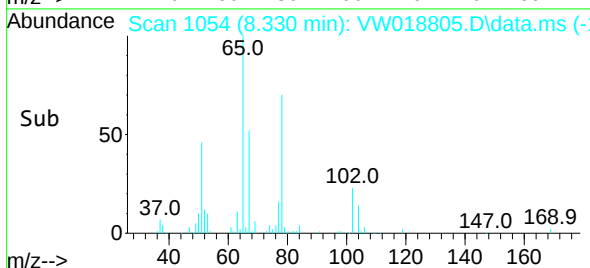
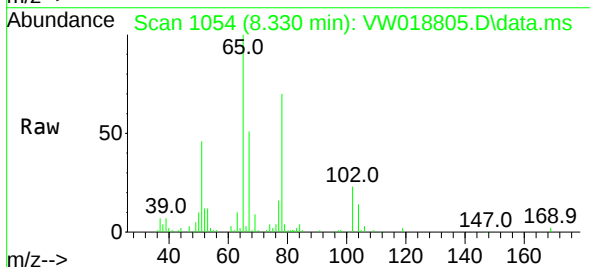


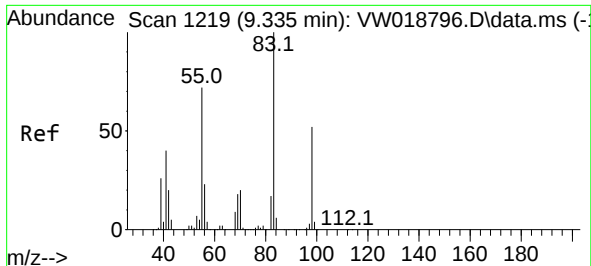
Tgt Ion: 56 Resp: 3539
Ion Ratio Lower Upper
56 100
69 46.1 24.5 36.7#
84 141.4 75.0 112.4#



#33
Benzene
Concen: 2.00 ug/L
RT: 8.330 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

Tgt Ion: 78 Resp: 28940

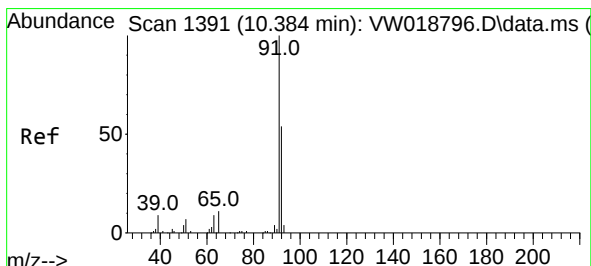
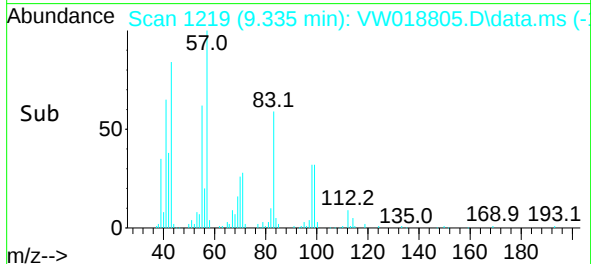
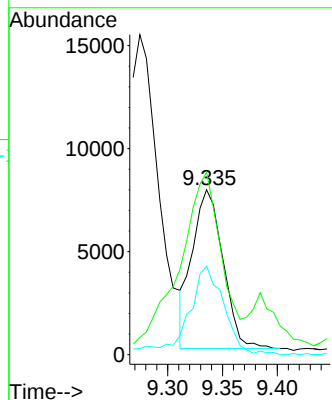
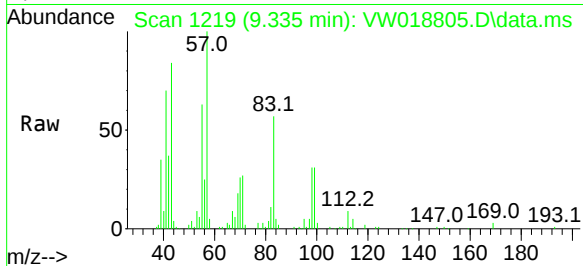




#35
Methylcyclohexane
Concen: 2.33 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

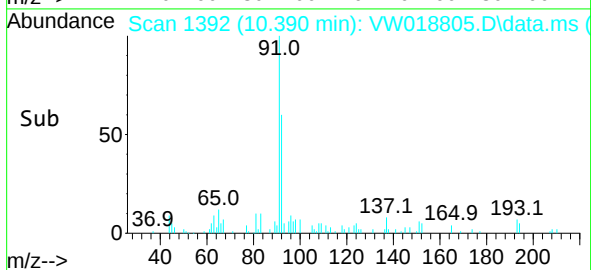
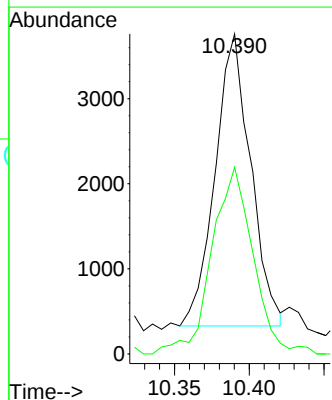
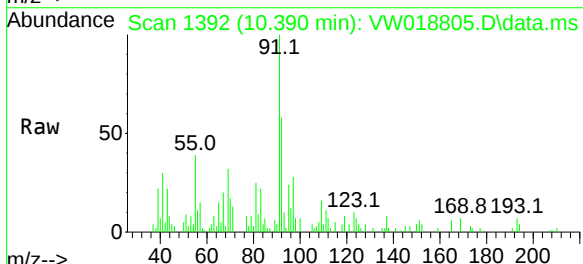
Instrument :
MSVOA_W
ClientSampled :

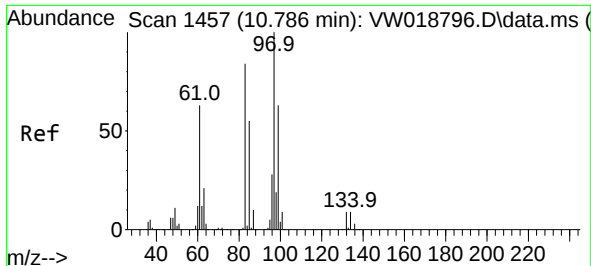
Tgt Ion: 83 Resp: 15044
Ion Ratio Lower Upper
83 100
55 153.3 58.9 88.3#
98 60.2 40.1 60.1#



#42
Toluene
Concen: 0.37 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

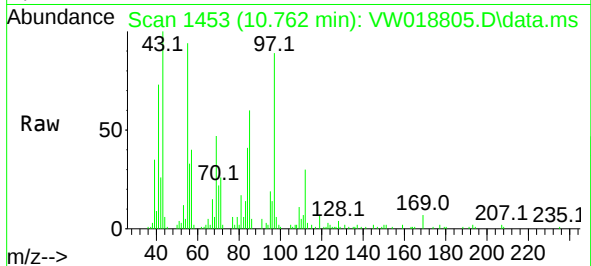
Tgt Ion: 91 Resp: 5668
Ion Ratio Lower Upper
91 100
92 58.4 39.5 73.3



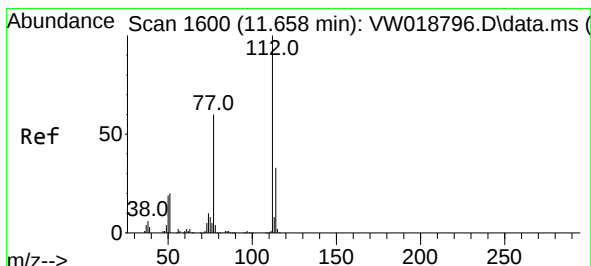
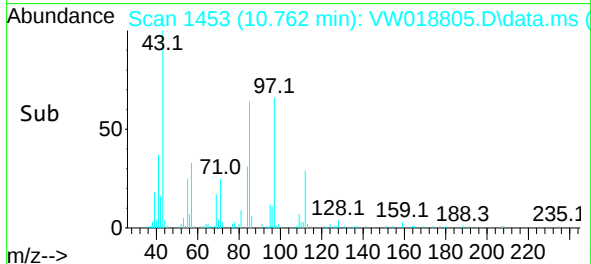
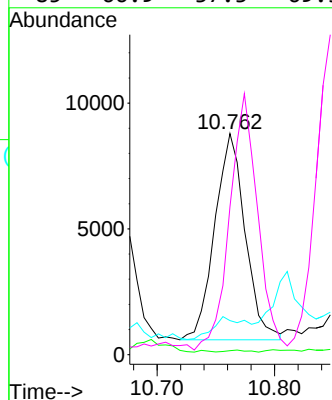


#45
1,1,2-Trichloroethane
Concen: 5.43 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

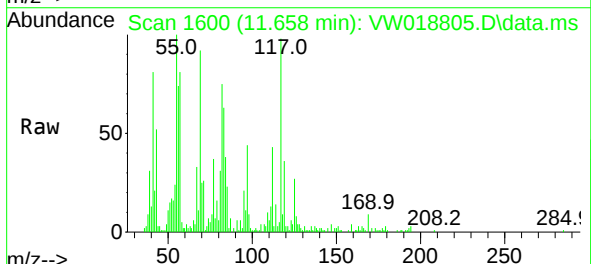
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MSVOA_W
ClientSampled :



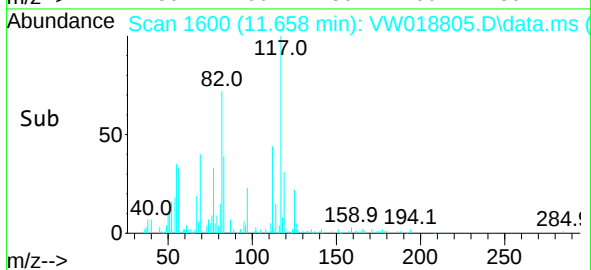
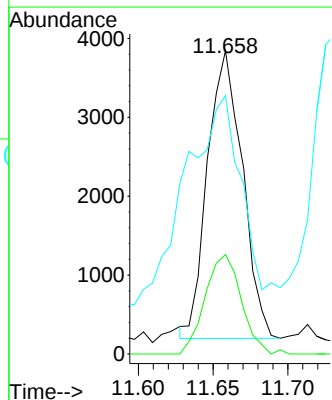
Tgt Ion:	97	Resp:	14734
Ion	Ratio	Lower	Upper
97	100		
99	1.8	45.1	83.7#
83	15.4	58.1	107.9#
85	66.9	37.3	69.3

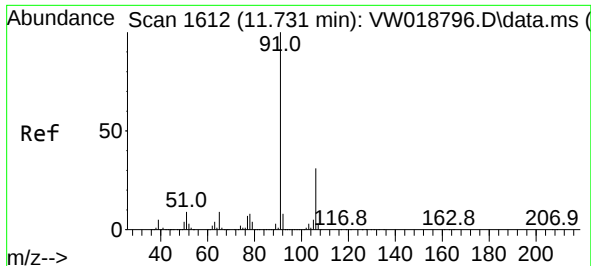


#51
Chlorobenzene
Concen: 0.62 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW018805.D
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Tgt Ion:	112	Resp:	5922
Ion	Ratio	Lower	Upper
112	100		
114	32.7	23.4	43.6
77	85.2	47.6	71.4#

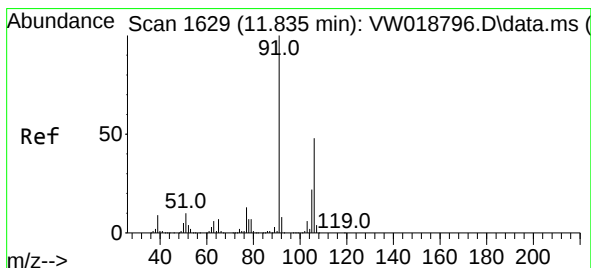
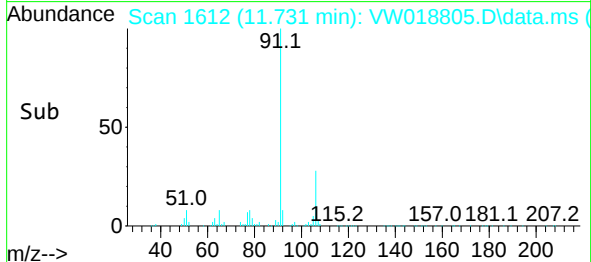
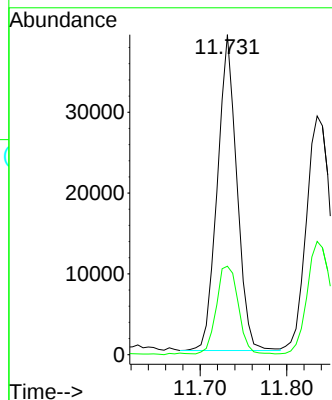
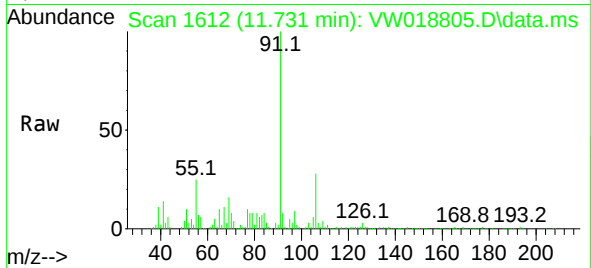




#52
Ethylbenzene
Concen: 3.57 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

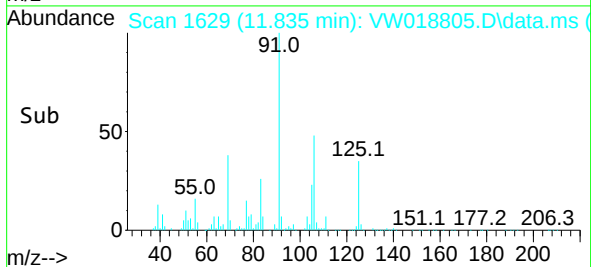
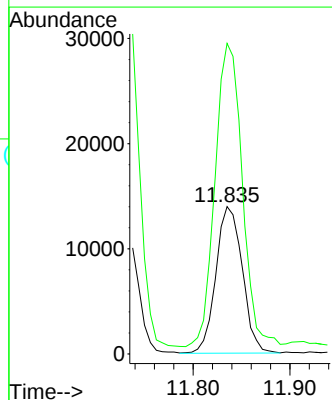
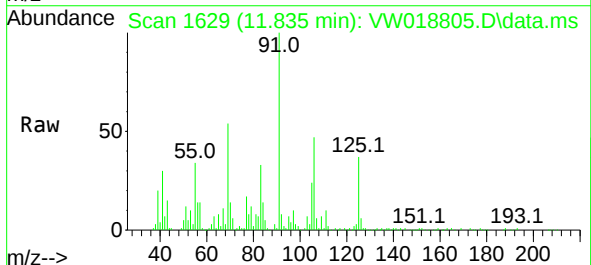
Instrument :
MSVOA_W
ClientSampled :

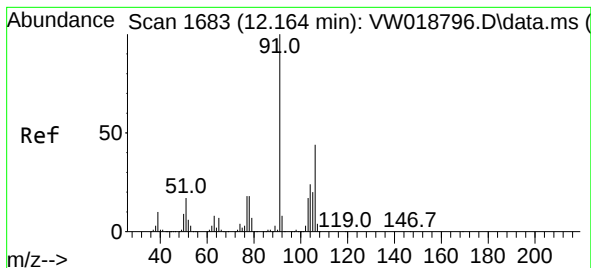
Tgt Ion: 91 Resp: 61168
Ion Ratio Lower Upper
91 100
106 27.7 22.5 41.7



#53
m,p-Xylene
Concen: 4.20 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

Tgt Ion:106 Resp: 26385
Ion Ratio Lower Upper
106 100
91 210.6 141.3 262.3

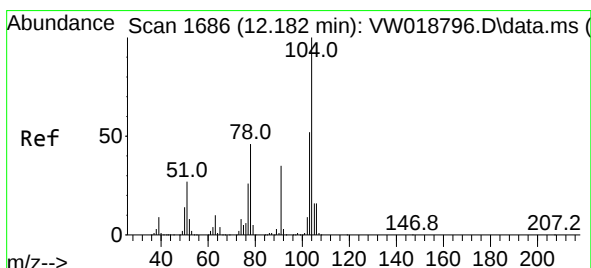
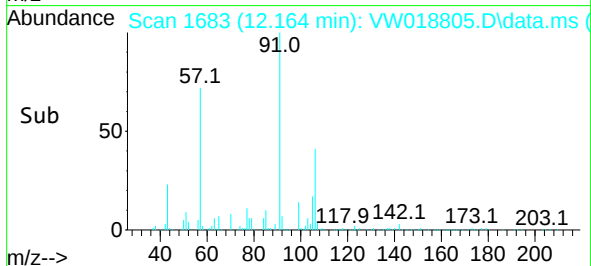
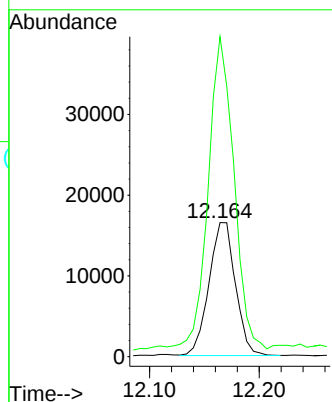
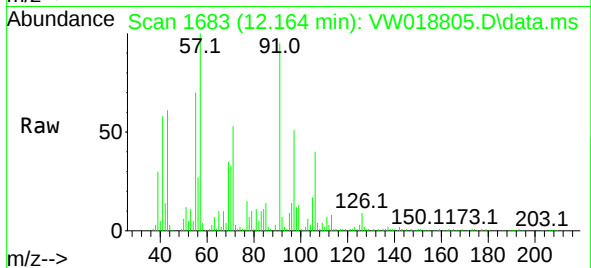




#54
o-Xylene
Concen: 4.58 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

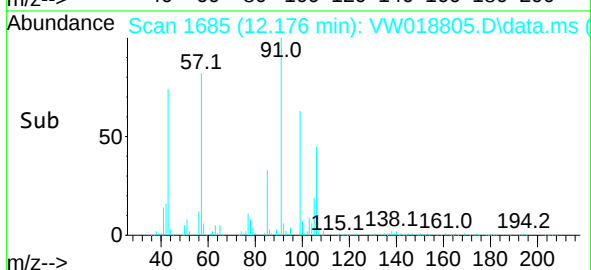
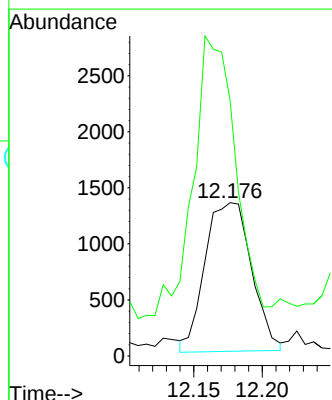
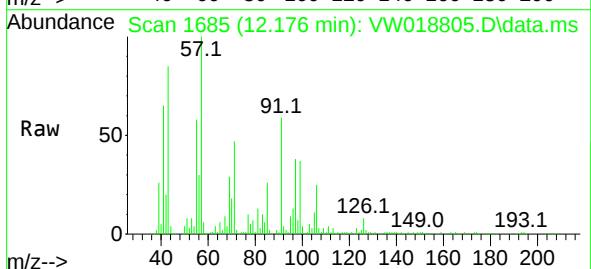
Instrument :
MSVOA_W
ClientSampled :

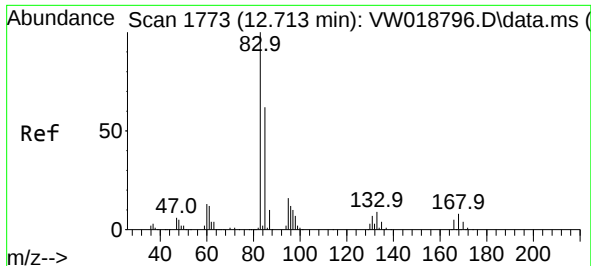
Tgt Ion:106 Resp: 27615
Ion Ratio Lower Upper
106 100
91 238.7 150.0 278.6



#55
Styrene
Concen: 0.30 ug/L
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

Tgt Ion:104 Resp: 3128
Ion Ratio Lower Upper
104 100
78 166.5 32.5 60.3#

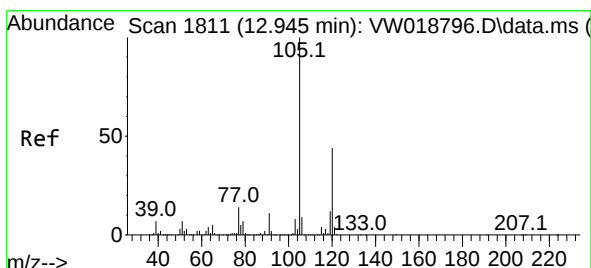
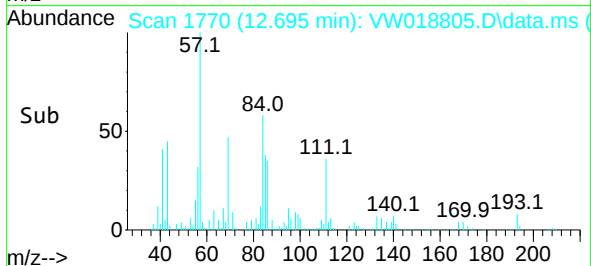
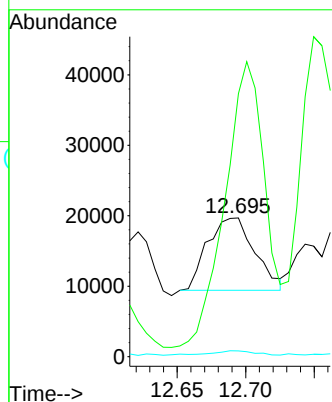
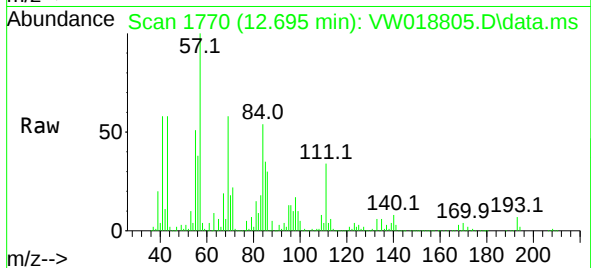




#57
1,1,2,2-Tetrachloroethane
Concen: 7.27 ug/L
RT: 12.695 min Scan# 1770
Delta R.T. -0.018 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

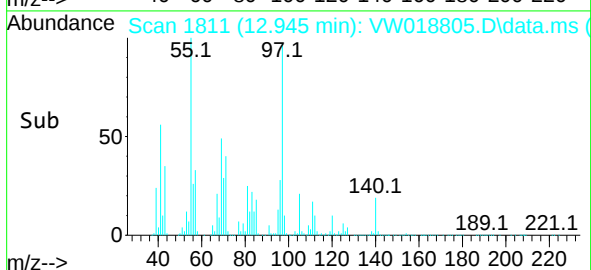
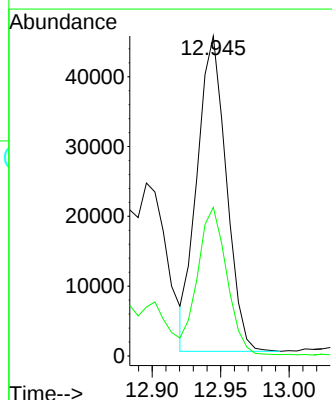
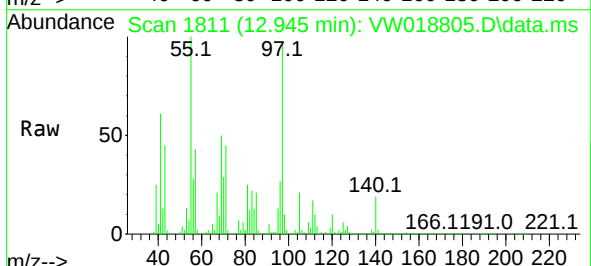
Instrument :
MSVOA_W
ClientSampled :

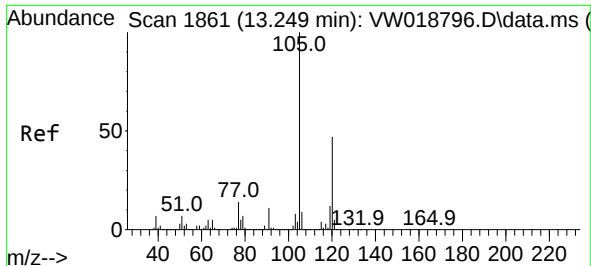
Tgt Ion: 83 Resp: 24565
Ion Ratio Lower Upper
83 100
85 189.7 44.4 82.4#
131 4.2 8.2 12.4#



#62
1,3,5-Trimethylbenzene
Concen: 8.40 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

Tgt Ion: 105 Resp: 66871
Ion Ratio Lower Upper
105 100
120 46.5 39.0 58.6

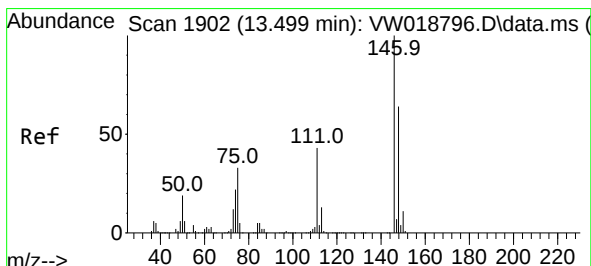
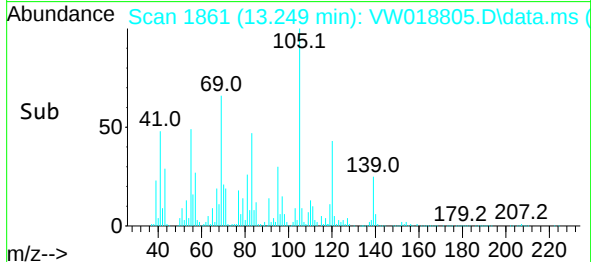
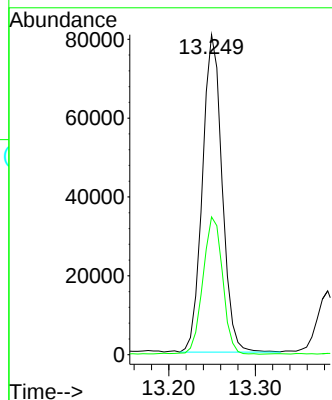
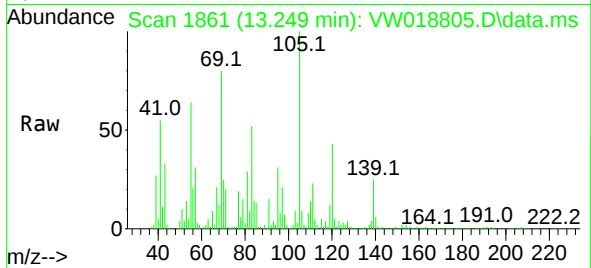




#63
1,2,4-Trimethylbenzene
Concen: 16.01 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

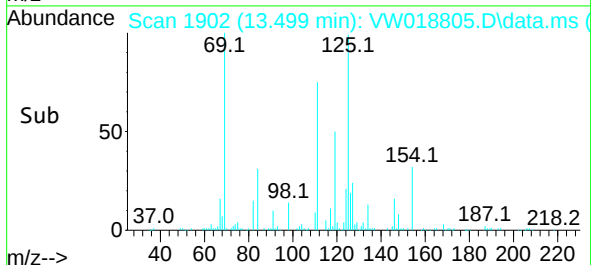
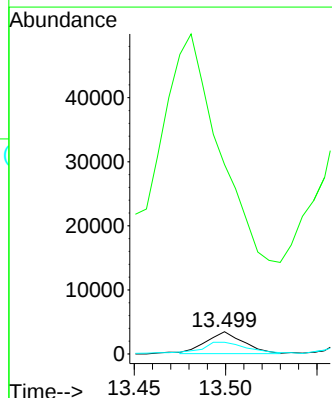
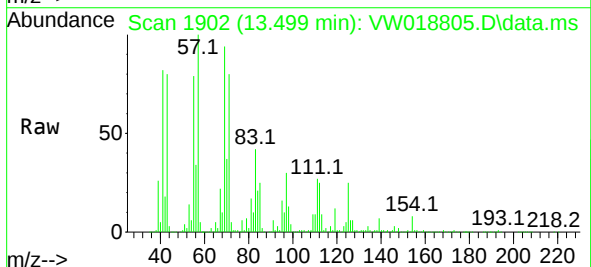
Instrument :
MSVOA_W
ClientSampled :

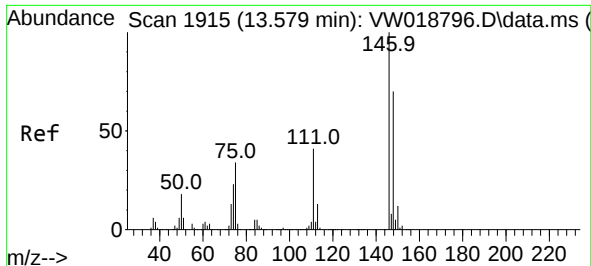
Tgt Ion:105 Resp: 127167
Ion Ratio Lower Upper
105 100
120 42.7 35.6 53.4



#64
1,3-Dichlorobenzene
Concen: 1.19 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

Tgt Ion:146 Resp: 4842
Ion Ratio Lower Upper
146 100
111 849.2 26.7 49.7#
148 52.6 41.1 76.3

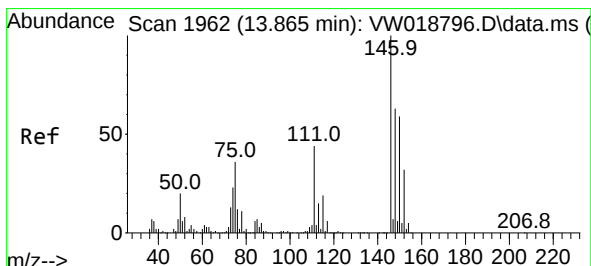
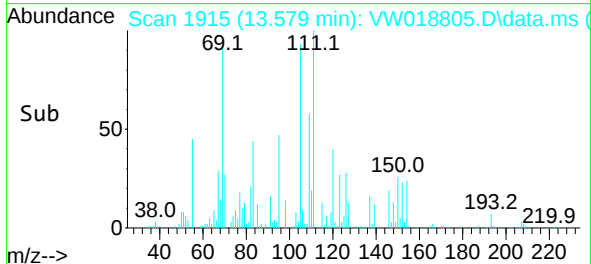
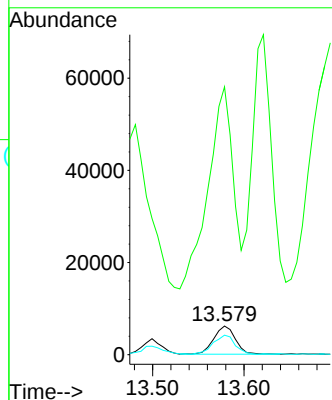
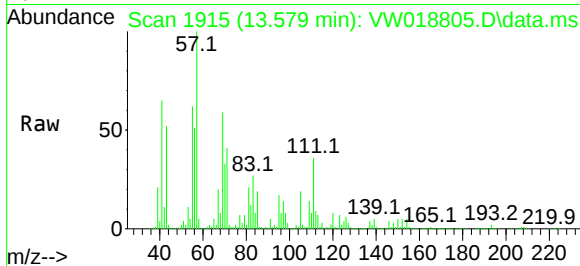




#65
1,4-Dichlorobenzene
Concen: 2.45 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

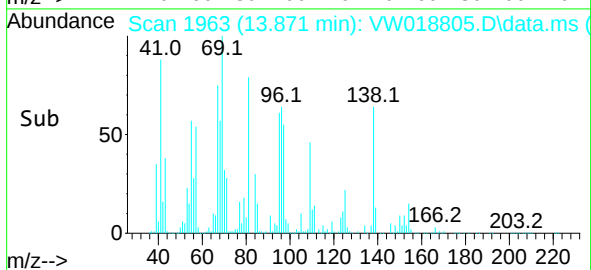
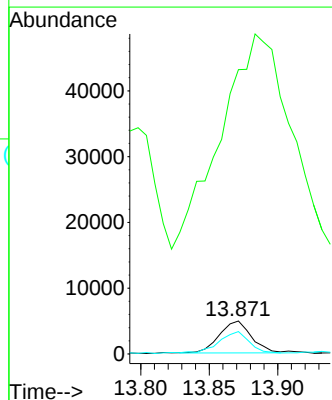
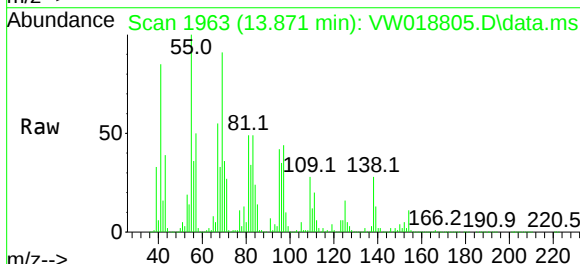
Instrument :
MSVOA_W
ClientSampled :

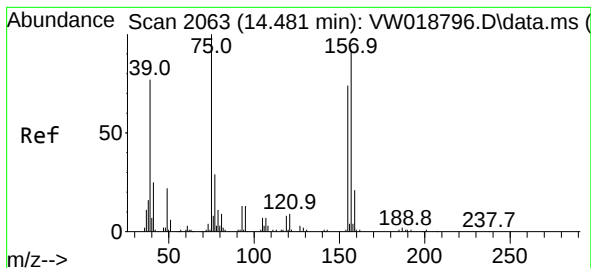
Tgt Ion:146 Resp: 10074
Ion Ratio Lower Upper
146 100
111 936.3 28.8 53.4#
148 68.0 46.8 87.0



#67
1,2-Dichlorobenzene
Concen: 2.09 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

Tgt Ion:146 Resp: 7832
Ion Ratio Lower Upper
146 100
111 862.6 33.2 49.8#
148 67.9 50.4 75.6

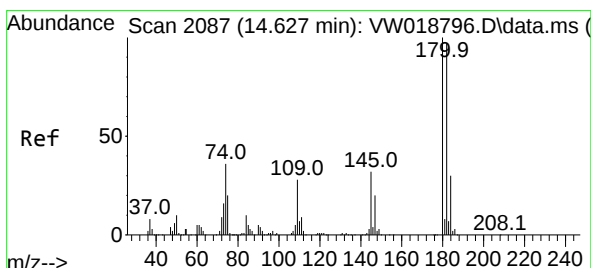
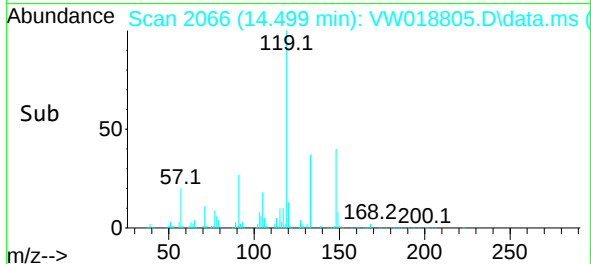
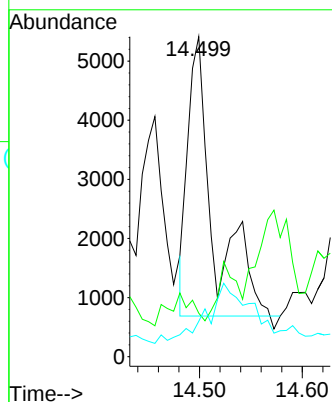
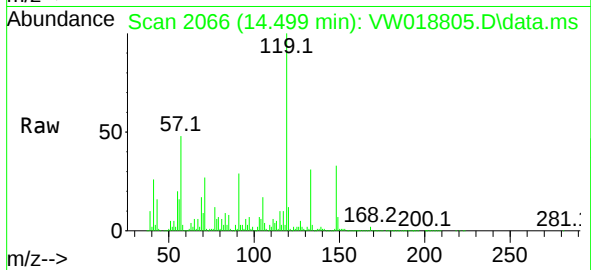




#68
1,2-Dibromo-3-chloropropane
Concen: 26.45 ug/L
RT: 14.499 min Scan# 2066
Delta R.T. 0.018 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

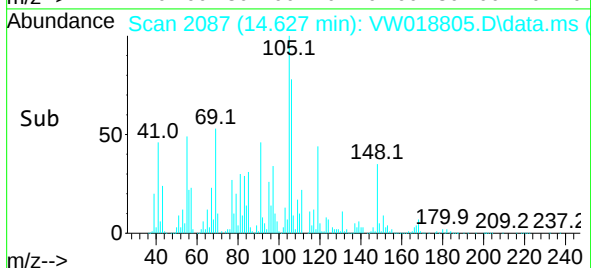
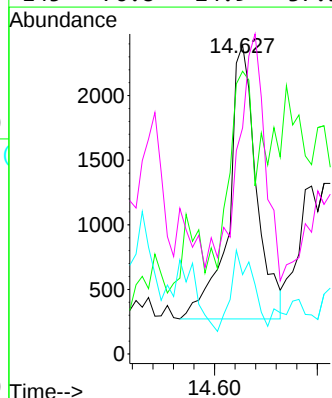
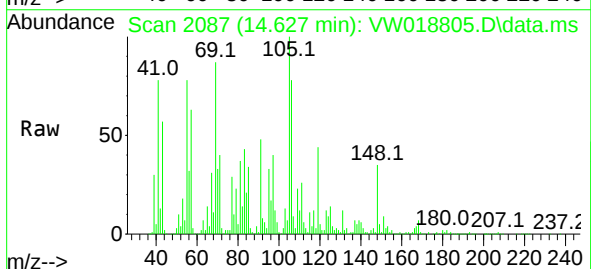
Instrument :
MSVOA_W
ClientSampled :

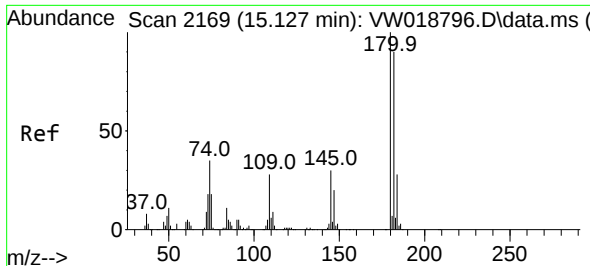
Tgt Ion: 75 Resp: 8202
Ion Ratio Lower Upper
75 100
155 13.6 59.4 89.0#
157 11.1 72.2 108.2#



#69
1,3,5-Trichlorobenzene
Concen: 1.38 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.000 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

Tgt Ion: 180 Resp: 4021
Ion Ratio Lower Upper
180 100
182 57.0 73.4 110.2#
184 32.6 23.6 35.4
145 76.8 24.9 37.3#

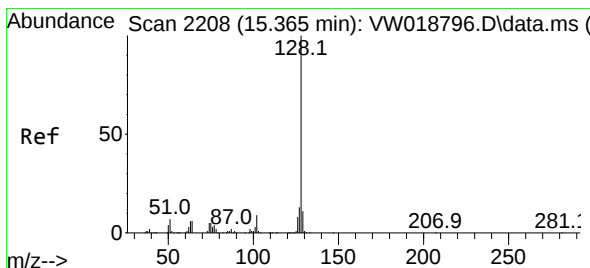
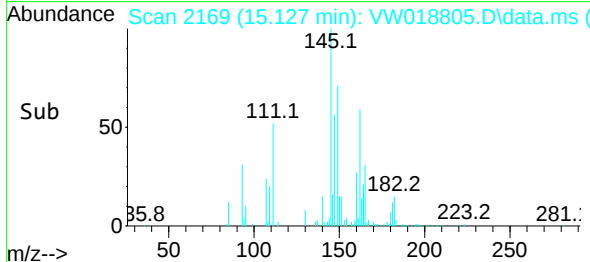
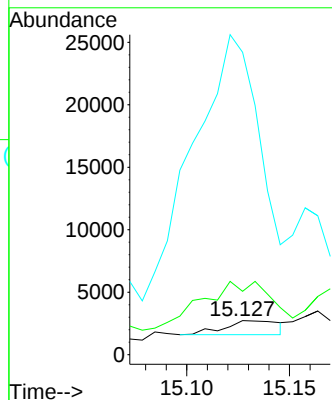
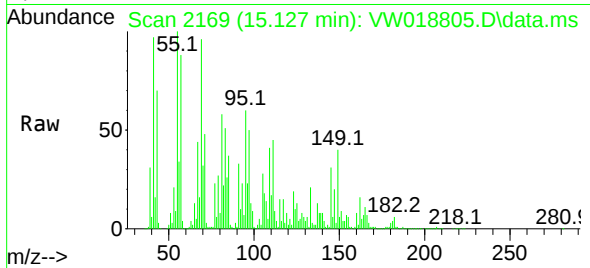




#70
1,2,4-trichlorobenzene
Concen: 0.87 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

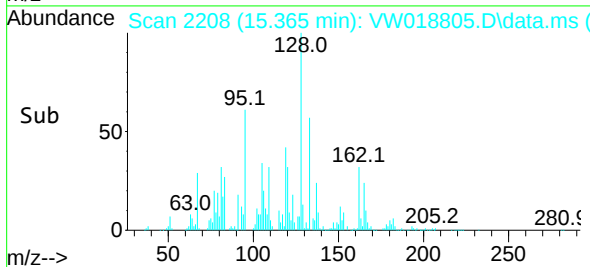
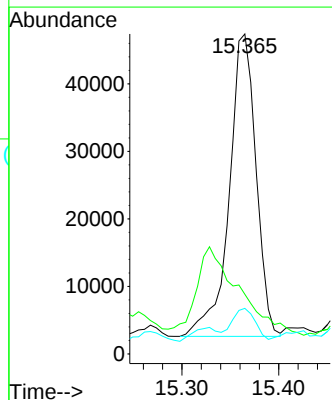
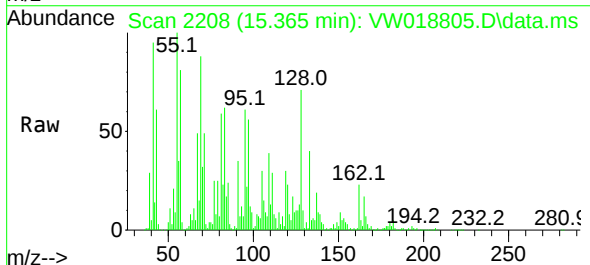
Instrument :
MSVOA_W
ClientSampled :

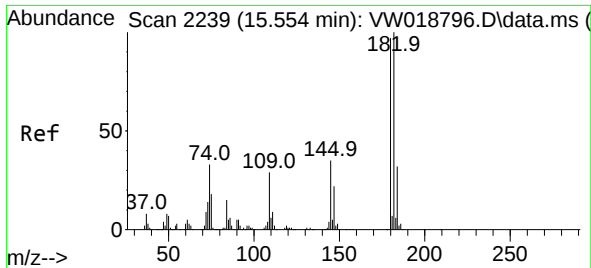
Tgt Ion:180 Resp: 2062
Ion Ratio Lower Upper
180 100
182 79.5 74.7 112.1
145 2478.6 25.0 37.4#



#71
Naphthalene
Concen: 17.35 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018805.D
Acq: 27 Apr 2021 15:57

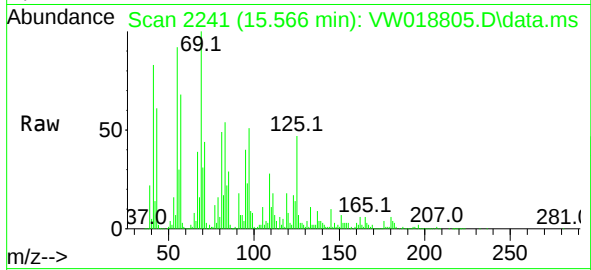
Tgt Ion:128 Resp: 86489
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 9.5 9.0 13.6





#72
 1,2,3-Trichlorobenzene
 Concen: 3.26 ug/L
 RT: 15.566 min Scan# 2241
 Delta R.T. 0.012 min
 Lab File: VW018805.D
 Acq: 27 Apr 2021 15:57

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 6797
 Ion Ratio Lower Upper
 180 100
 182 42.9 76.7 115.1#
 145 445.9 28.9 43.3#

