

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042921\
 Data File : VW018847.D
 Acq On : 29 Apr 2021 15:54
 Operator : SY/VA
 Sample : M2177-17RE
 Misc : 4.66G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 30 02:11:26 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	8.841	114	543573	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	378337	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	135014	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	188582	27.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.16%
7) Chloroethane-d5	2.891	69	146049	27.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.12%
11) 1,1-Dichloroethene-d2	4.019	63	240846	17.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.56%
21) 2-Butanone-d5	7.086	46	95013	52.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.62%
24) Chloroform-d	7.647	84	334514	23.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	8.305	65	202194	25.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.48%
32) Benzene-d6	8.275	84	660181	30.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	123.52%
36) 1,2-Dichloropropane-d6	9.274	67	195384	30.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	123.24%#
41) Toluene-d8	10.323	98	521728	26.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.68%
43) trans-1,3-Dichloroprop...	10.579	79	70094	24.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.28%
47) 2-Hexanone-d5	10.927	63	83232	73.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	146.60%#
56) 1,1,2,2-Tetrachloroeth...	12.694	84	148447	27.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.48%
66) 1,2-Dichlorobenzene-d4	13.853	152	99268	21.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.84%
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	33915	24.37	ug/L	91
14) Carbon disulfide	4.385	76	20275	0.97	ug/L	100
16) Methylene chloride	4.921	84	31302	3.48	ug/L	96
22) 2-Butanone	7.177	43	12807	6.64	ug/L	100
29) Cyclohexane	7.958	56	7046	0.78	ug/L #	29
33) Benzene	8.329	78	15199	0.67	ug/L	100
35) Methylcyclohexane	9.335	83	105875	9.96	ug/L #	70
38) Bromodichloromethane	9.622	83	19287	2.67	ug/L #	35
42) Toluene	10.384	91	12744	0.51	ug/L	89
45) 1,1,2-Trichloroethane	10.762	97	86572	19.96	ug/L #	38
48) 2-Hexanone	10.933	43	138191	62.56	ug/L #	25
52) Ethylbenzene	11.731	91	52059	1.88	ug/L	97
53) m,p-Xylene	11.841	106	44849	4.37	ug/L	88
54) o-Xylene	12.164	106	76349	7.80	ug/L	89
55) Styrene	12.170	104	5740	0.35	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	12.688	83	38291	7.30	ug/L #	83
60) Isopropylbenzene	12.896	105	171552	8.90	ug/L	99
62) 1,3,5-Trimethylbenzene	12.944	105	146577	9.11	ug/L	96
63) 1,2,4-Trimethylbenzene	13.249	105	1060925	65.92	ug/L	99

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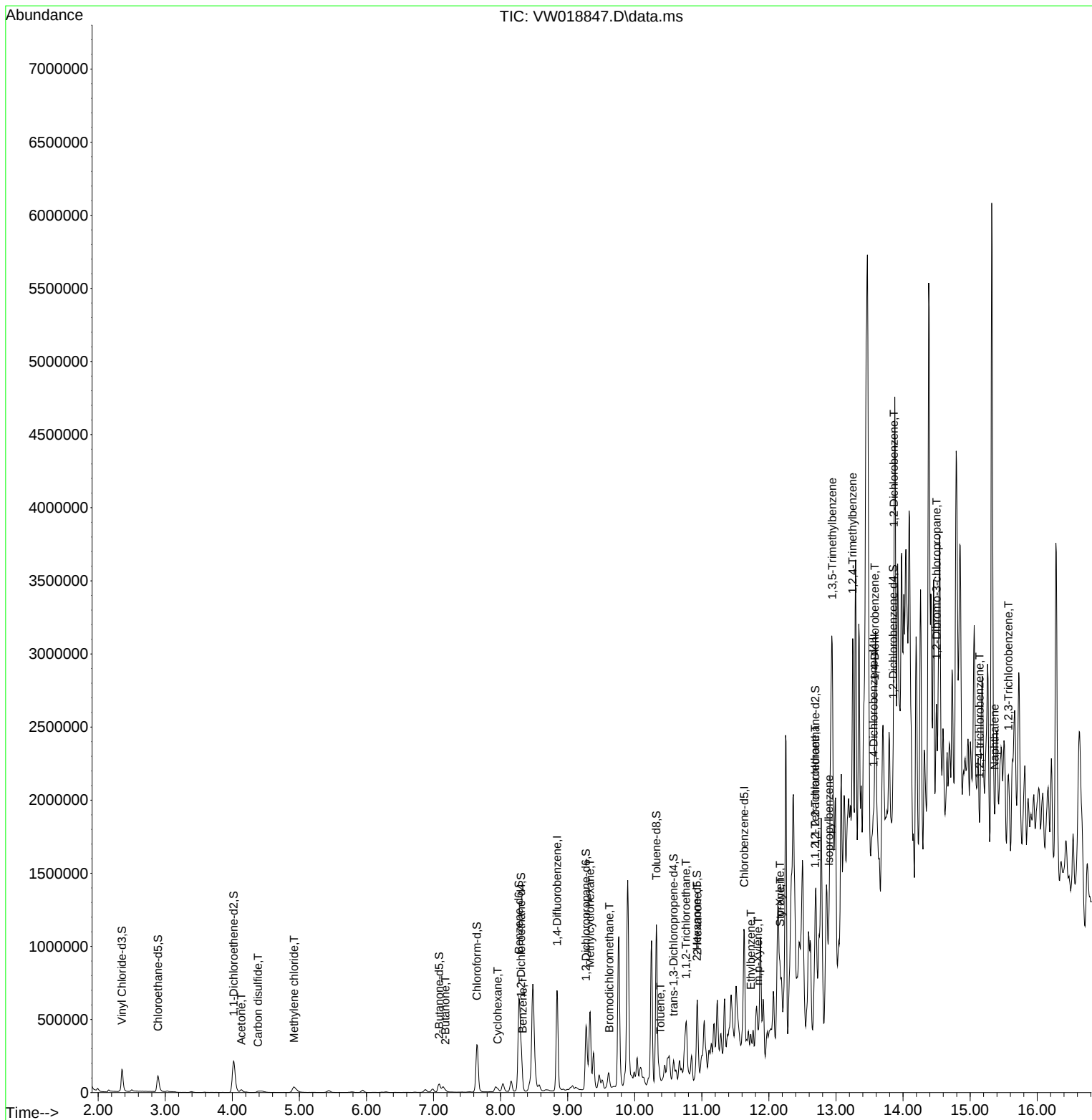
Instrument :
 MSVOA_W
 ClientSampleId :

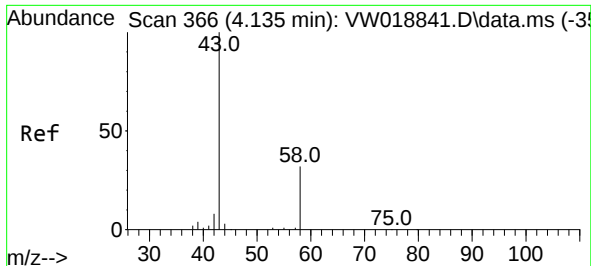
Quant Time: Apr 30 02:11:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Apr 30 02:09:50 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	13.578	146	6804	0.83	ug/L #	1
67) 1,2-Dichlorobenzene	13.865	146	4440	0.60	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.499	75	3096	5.09	ug/L #	71
70) 1,2,4-trichlorobenzene	15.139	180	2743	0.56	ug/L #	1
71) Naphthalene	15.365	128	135482	13.19	ug/L #	79
72) 1,2,3-Trichlorobenzene	15.572	180	9079	2.11	ug/L #	72

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

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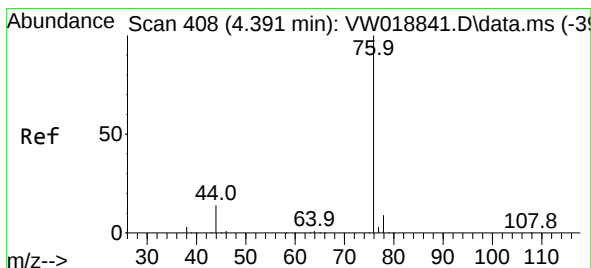
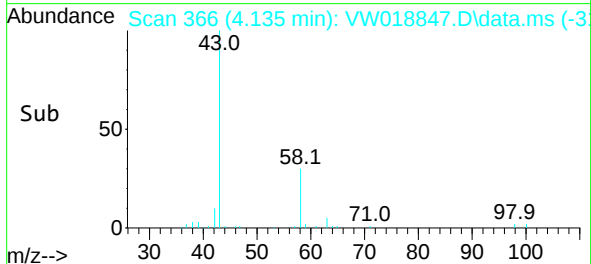
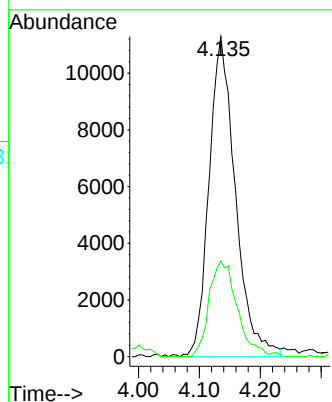
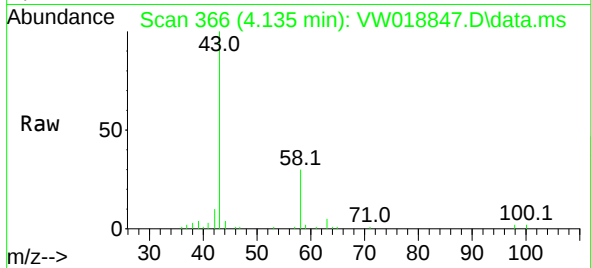




#13
Acetone
Concen: 24.37 ug/L
RT: 4.135 min Scan# 366
Delta R.T. -0.000 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

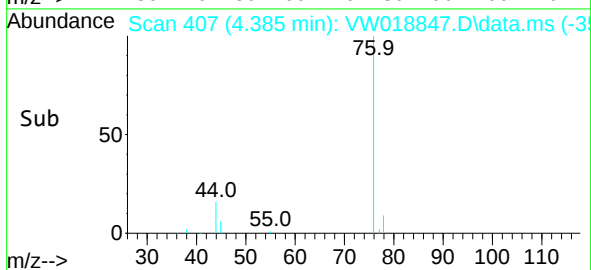
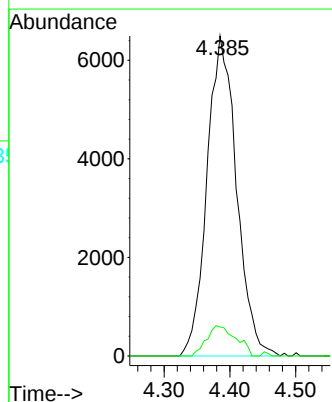
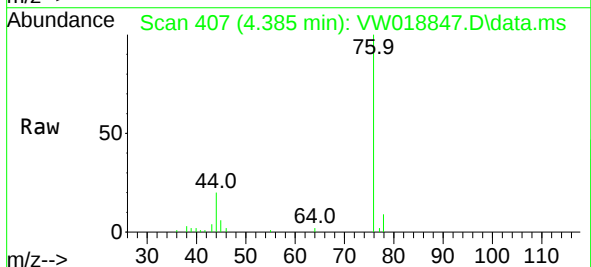
Instrument :
MSVOA_W
ClientSampled :

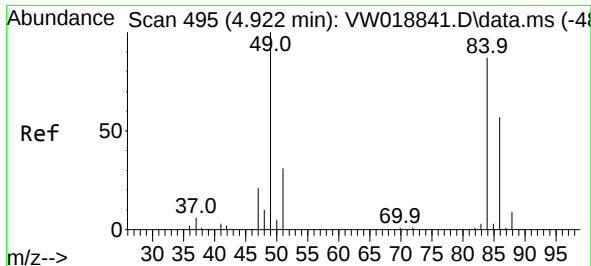
Tgt Ion: 43 Resp: 33915
Ion Ratio Lower Upper
43 100
58 31.7 0.0 53.8



#14
Carbon disulfide
Concen: 0.97 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.006 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

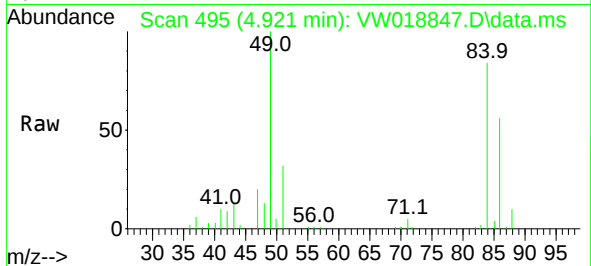
Tgt Ion: 76 Resp: 20275
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0





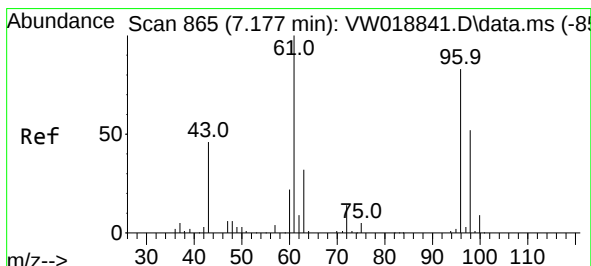
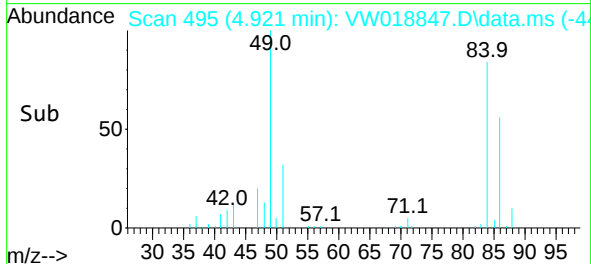
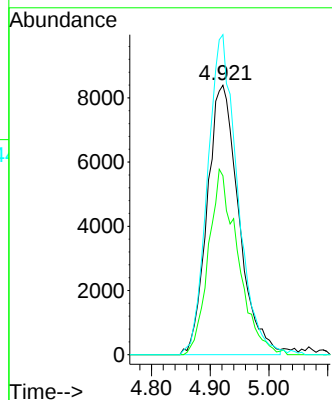
#16
Methylene chloride
Concen: 3.48 ug/L
RT: 4.921 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

Instrument :
MSVOA_W
ClientSampled :



Tgt Ion: 84 Resp: 31302

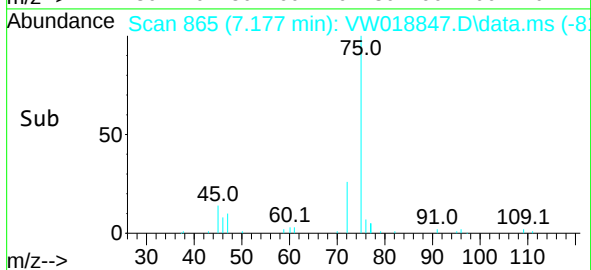
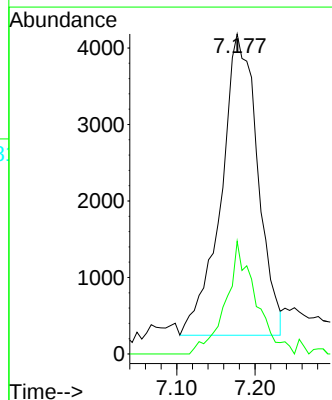
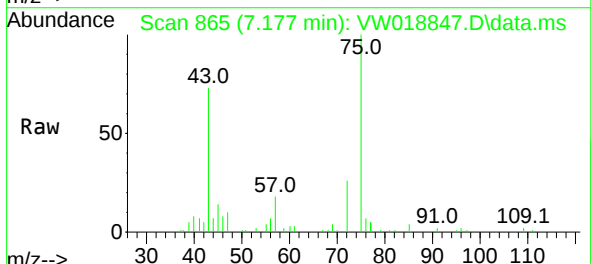
Ion	Ratio	Lower	Upper
84	100		
86	66.4	45.3	84.1
49	118.7	86.6	160.8

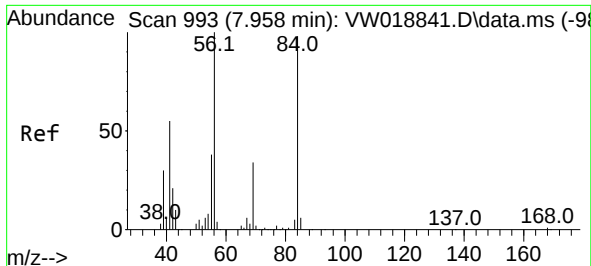


#22
2-Butanone
Concen: 6.64 ug/L
RT: 7.177 min Scan# 865
Delta R.T. -0.000 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

Tgt Ion: 43 Resp: 12807

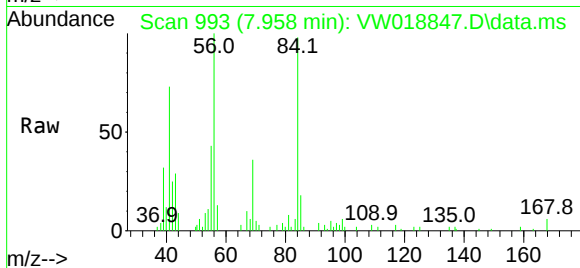
Ion	Ratio	Lower	Upper
43	100		
72	29.8	14.9	44.7



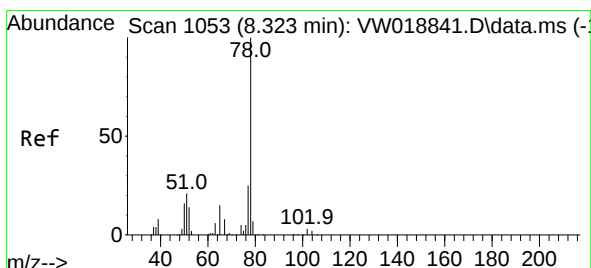
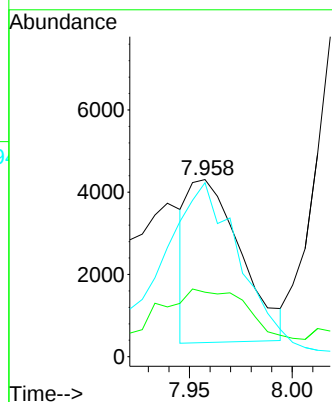
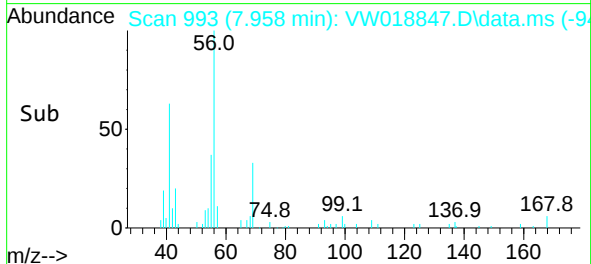


#29
Cyclohexane
Concen: 0.78 ug/L
RT: 7.958 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

Instrument :
MSVOA_W
ClientSampled :

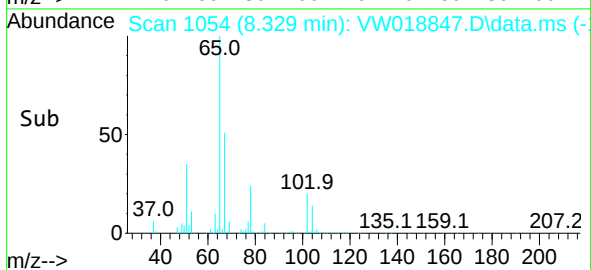
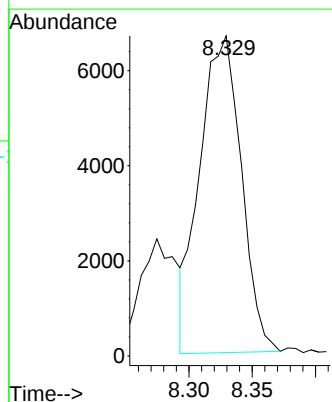
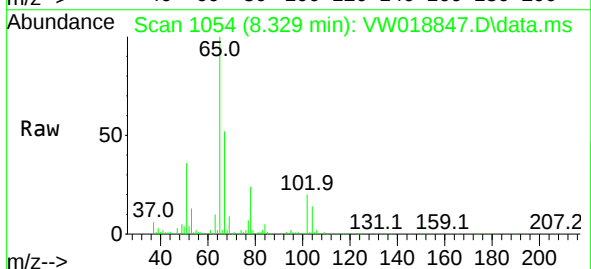


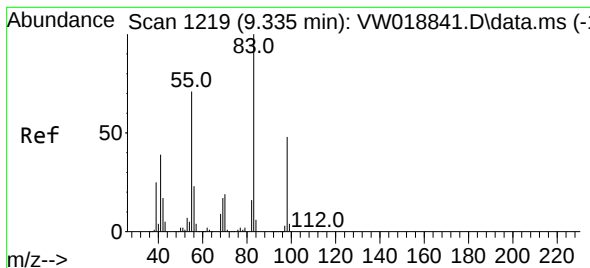
Tgt Ion: 56 Resp: 7046
Ion Ratio Lower Upper
56 100
69 6.2 24.5 36.7#
84 170.3 75.0 112.4#



#33
Benzene
Concen: 0.67 ug/L
RT: 8.329 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

Tgt Ion: 78 Resp: 15199

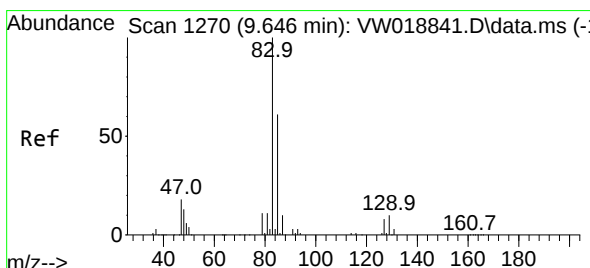
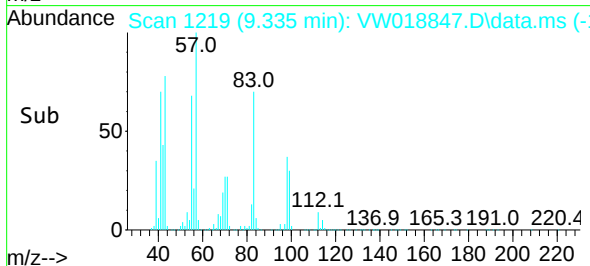
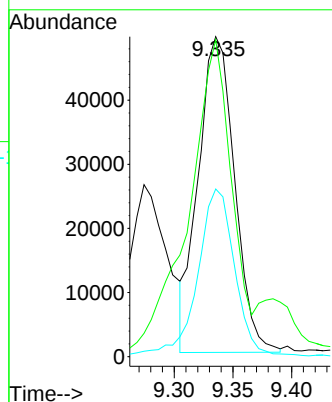
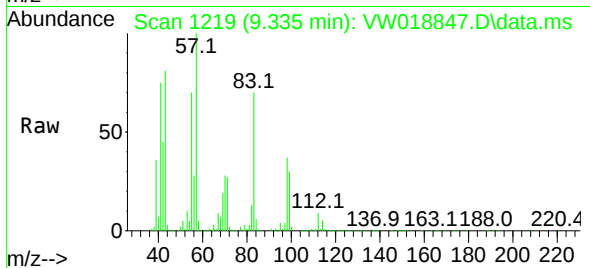




#35
Methylcyclohexane
Concen: 9.96 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

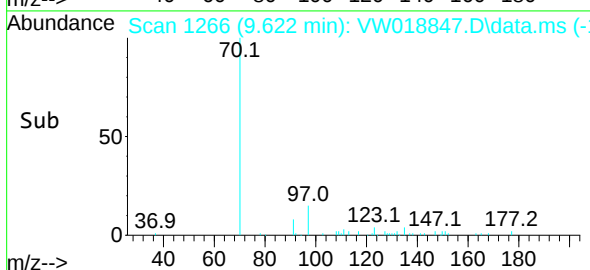
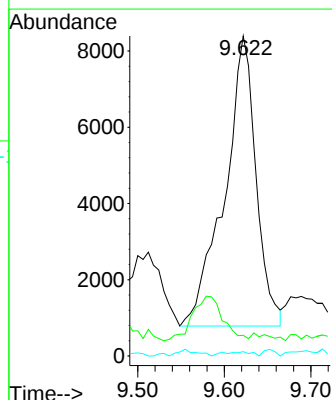
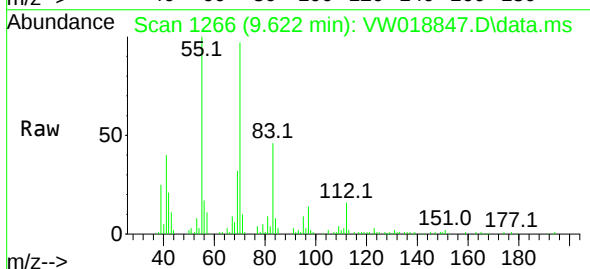
Instrument :
MSVOA_W
ClientSampled :

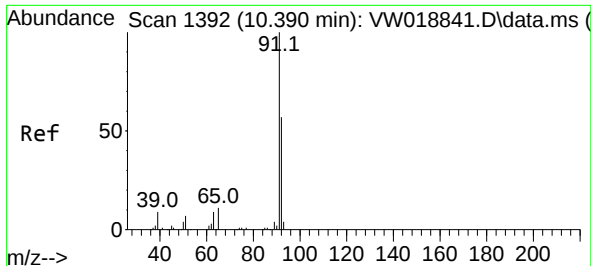
Tgt Ion: 83 Resp: 105875
Ion Ratio Lower Upper
83 100
55 113.5 58.9 88.3#
98 53.8 40.1 60.1



#38
Bromodichloromethane
Concen: 2.67 ug/L
RT: 9.622 min Scan# 1266
Delta R.T. -0.025 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

Tgt Ion: 83 Resp: 19287
Ion Ratio Lower Upper
83 100
85 6.5 42.3 78.5#
127 1.4 6.6 9.8#

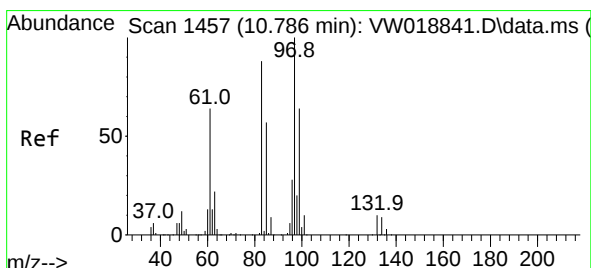
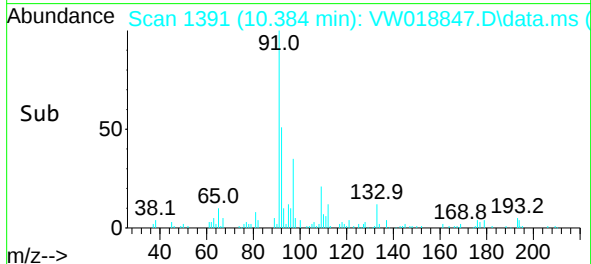
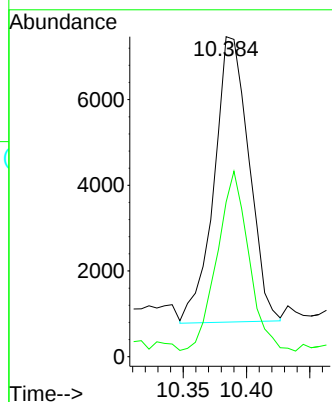
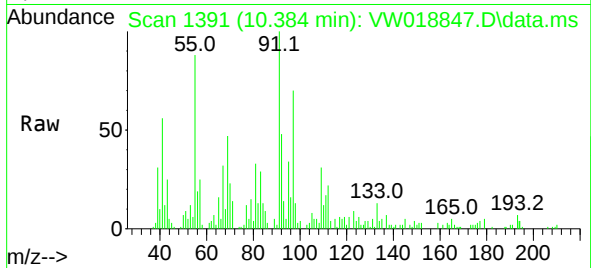




#42
Toluene
Concen: 0.51 ug/L
RT: 10.384 min Scan# 1391
Delta R.T. -0.006 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

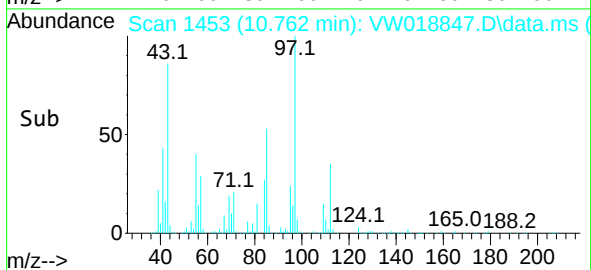
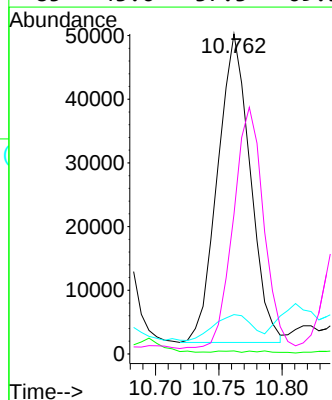
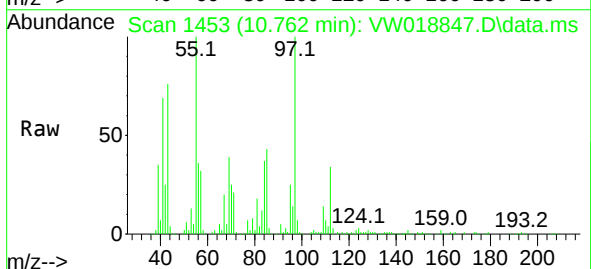
Instrument :
MSVOA_W
ClientSampled :

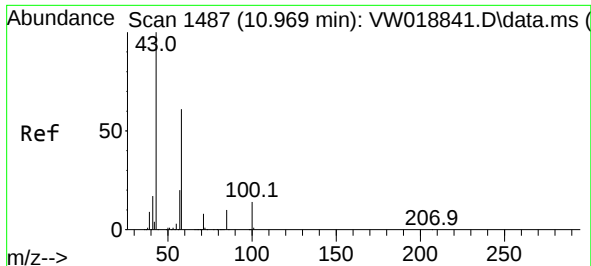
Tgt Ion: 91 Resp: 12744
Ion Ratio Lower Upper
91 100
92 48.3 39.5 73.3



#45
1,1,2-Trichloroethane
Concen: 19.96 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.025 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

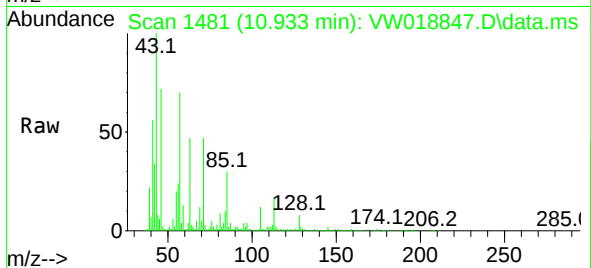
Tgt Ion: 97 Resp: 86572
Ion Ratio Lower Upper
97 100
99 1.0 45.1 83.7#
83 12.3 58.1 107.9#
85 43.6 37.3 69.3



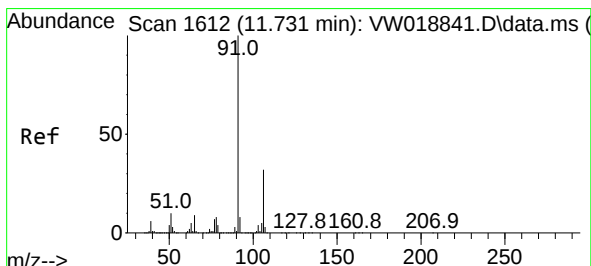
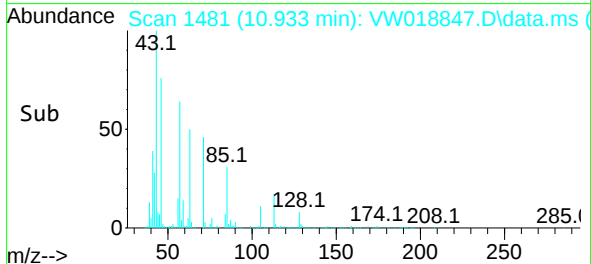
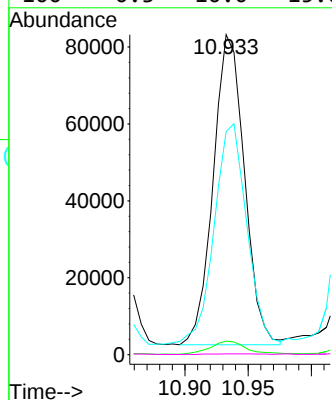


#48
2-Hexanone
Concen: 62.56 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

Instrument :
MSVOA_W
ClientSampled :

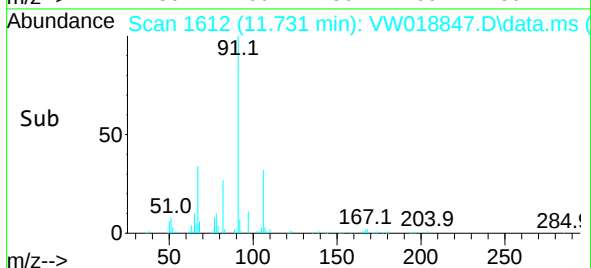
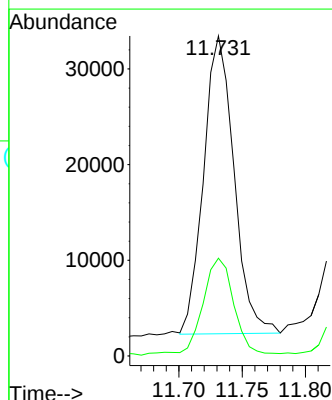
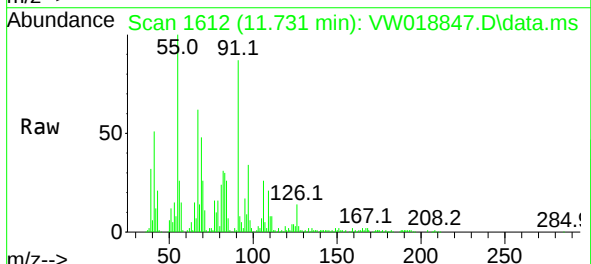


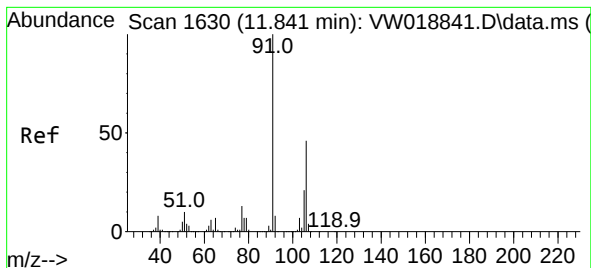
Tgt Ion: 43 Resp: 138191
Ion Ratio Lower Upper
43 100
58 4.8 42.7 64.1#
57 74.4 15.8 23.8#
100 0.3 10.0 15.0#



#52
Ethylbenzene
Concen: 1.88 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

Tgt Ion: 91 Resp: 52059
Ion Ratio Lower Upper
91 100
106 30.6 22.5 41.7

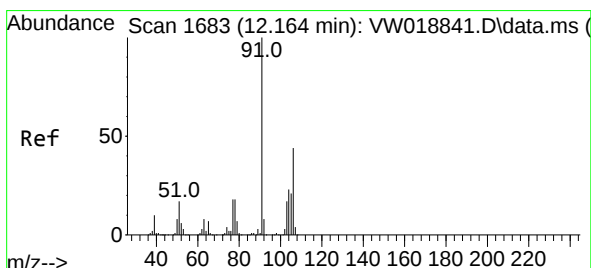
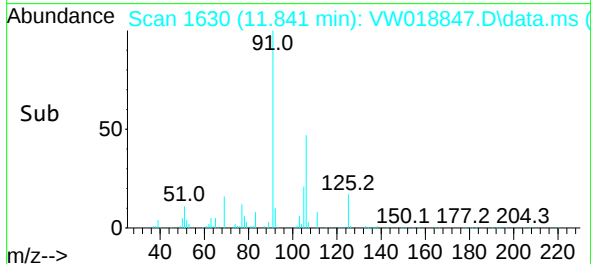
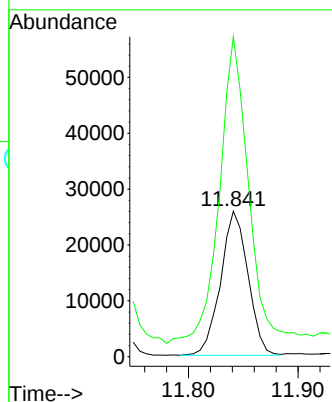
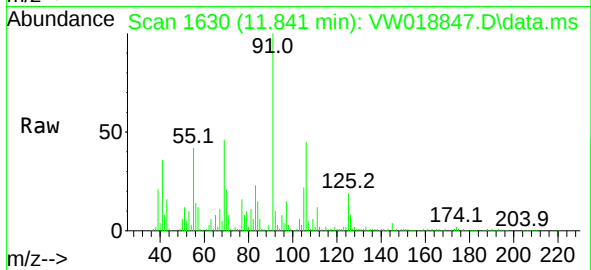




#53
m,p-Xylene
Concen: 4.37 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

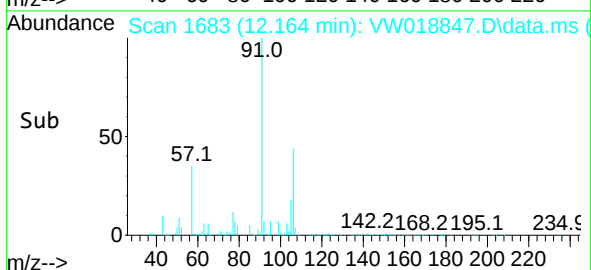
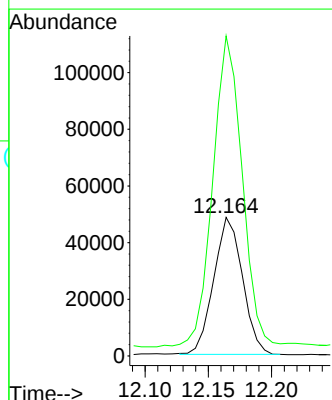
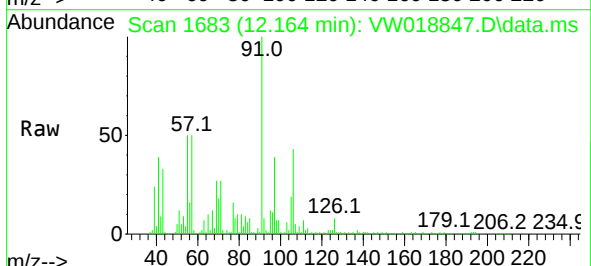
Instrument :
MSVOA_W
ClientSampled :

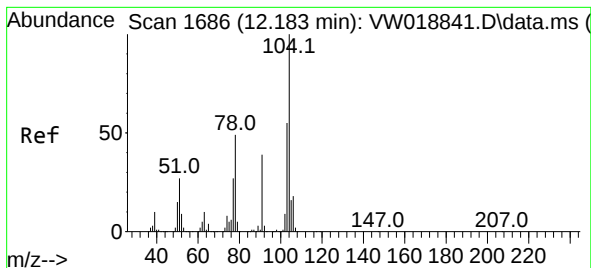
Tgt Ion:106 Resp: 44849
Ion Ratio Lower Upper
106 100
91 220.1 141.3 262.3



#54
o-Xylene
Concen: 7.80 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.000 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

Tgt Ion:106 Resp: 76349
Ion Ratio Lower Upper
106 100
91 231.1 150.0 278.6





#55

Styrene

Concen: 0.35 ug/L

RT: 12.170 min Scan# 1684

Delta R.T. -0.012 min

Lab File: VW018847.D

Acq: 29 Apr 2021 15:54

Tgt Ion:104 Resp: 5740

Ion Ratio Lower Upper

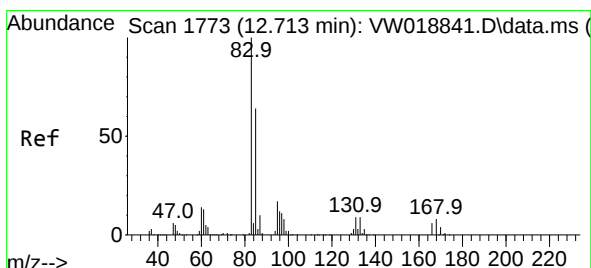
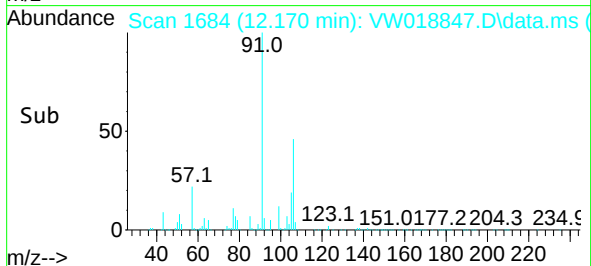
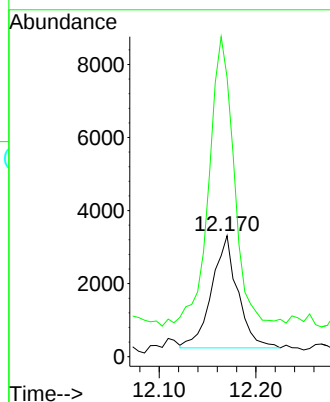
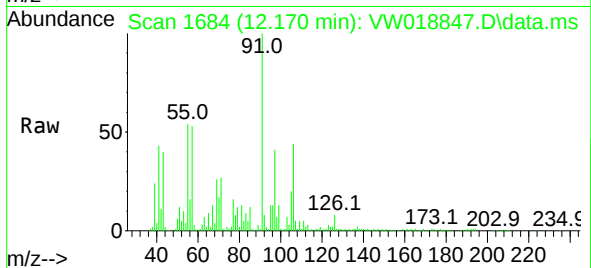
104 100

78 231.0 32.5 60.3#

Instrument :

MSVOA_W

ClientSampled :



#57

1,1,2,2-Tetrachloroethane

Concen: 7.30 ug/L

RT: 12.688 min Scan# 1769

Delta R.T. -0.025 min

Lab File: VW018847.D

Acq: 29 Apr 2021 15:54

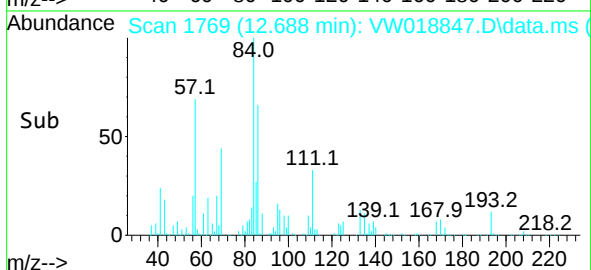
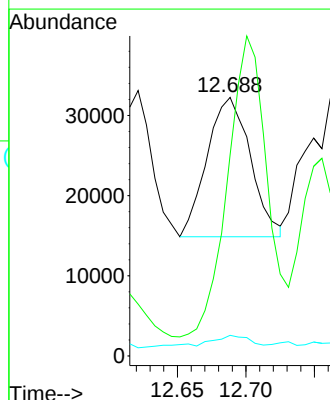
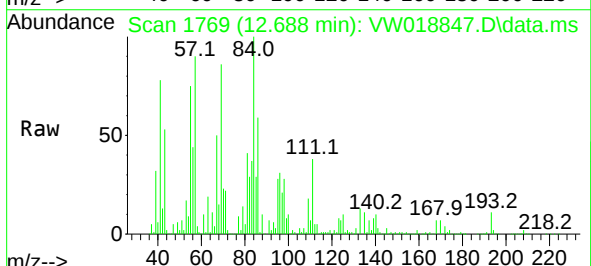
Tgt Ion: 83 Resp: 38291

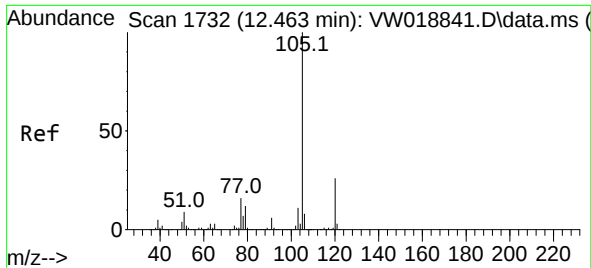
Ion Ratio Lower Upper

83 100

85 77.9 44.4 82.4

131 8.0 8.2 12.4#

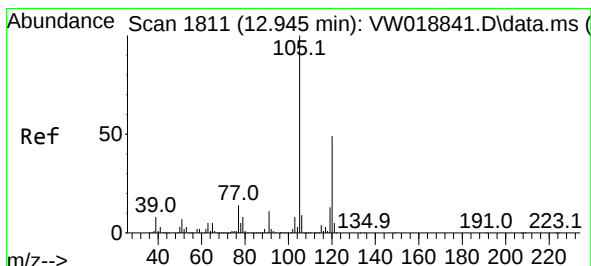
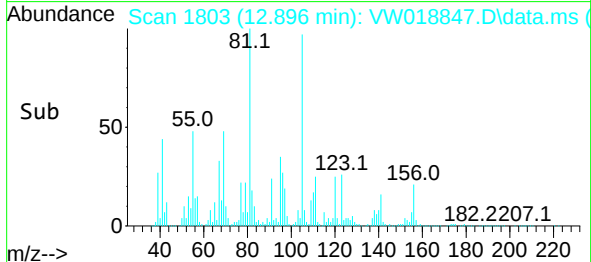
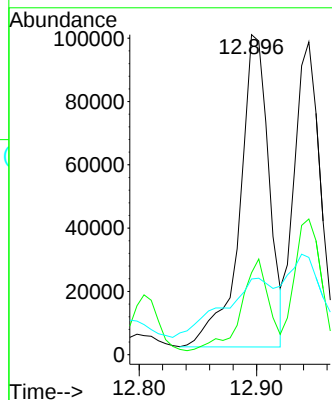
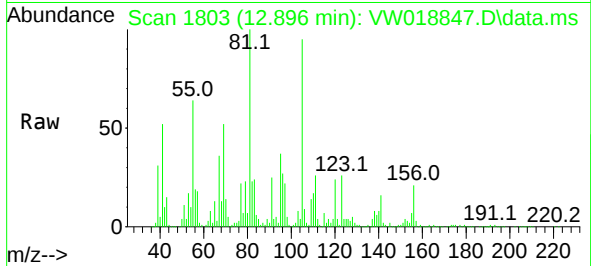




#60
Isopropylbenzene
Concen: 8.90 ug/L
RT: 12.896 min Scan# 1803
Delta R.T. 0.433 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

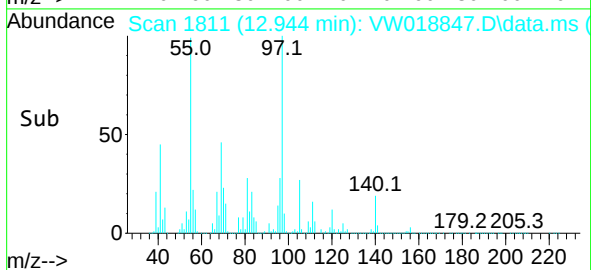
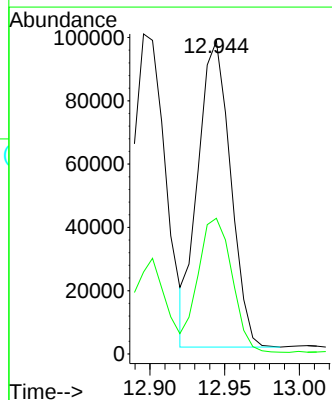
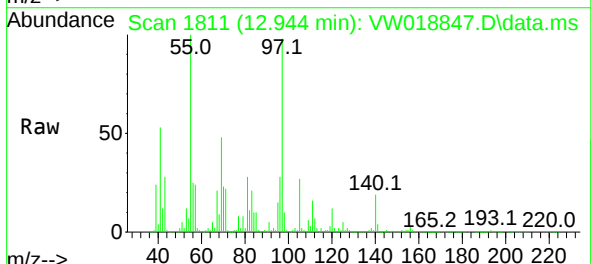
Instrument :
MSVOA_W
ClientSampled :

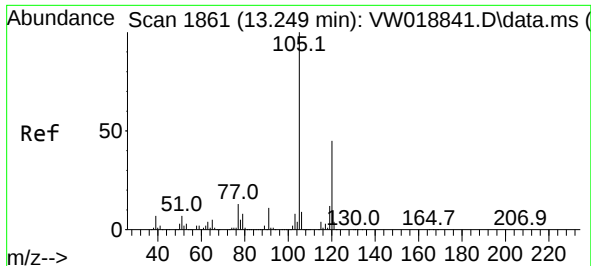
Tgt Ion:105 Resp: 171552
Ion Ratio Lower Upper
105 100
120 26.4 21.1 31.7
77 15.4 13.2 19.8



#62
1,3,5-Trimethylbenzene
Concen: 9.11 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

Tgt Ion:105 Resp: 146577
Ion Ratio Lower Upper
105 100
120 45.9 39.0 58.6

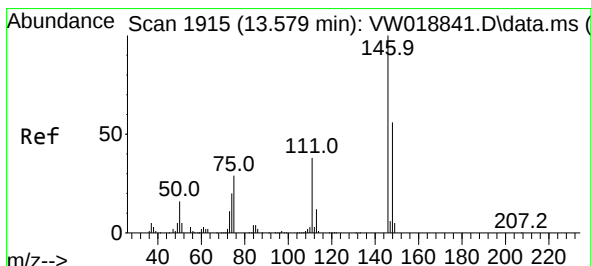
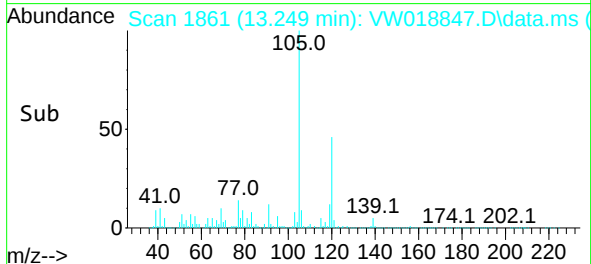
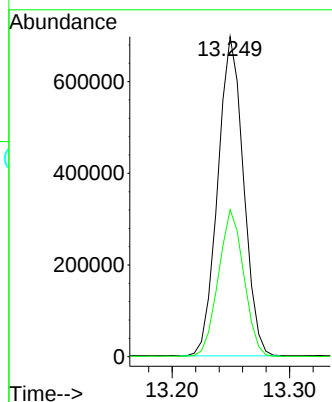
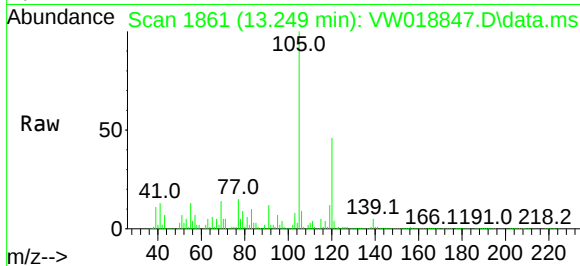




#63
1,2,4-Trimethylbenzene
Concen: 65.92 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

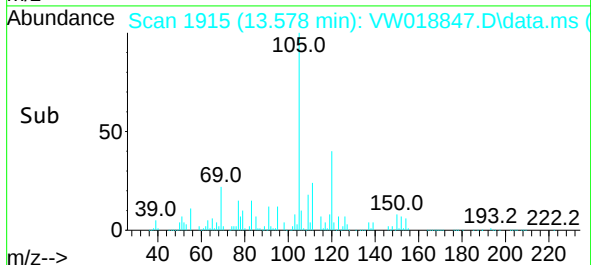
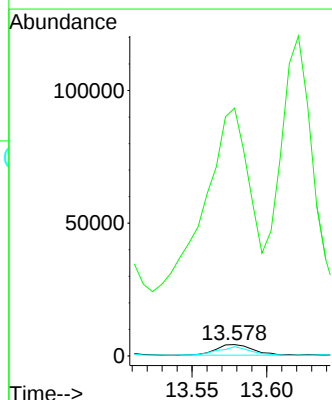
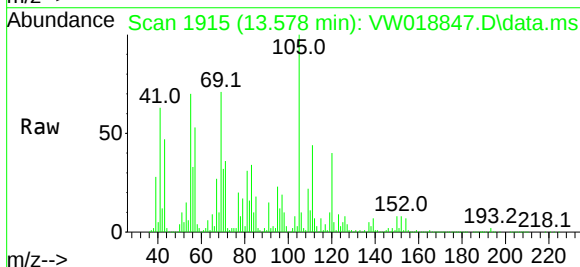
Instrument :
MSVOA_W
ClientSampled :

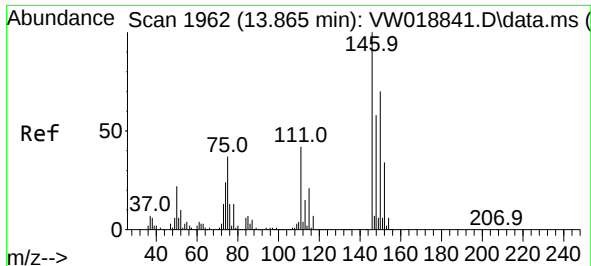
Tgt Ion:105 Resp: 1060925
Ion Ratio Lower Upper
105 100
120 45.2 35.6 53.4



#65
1,4-Dichlorobenzene
Concen: 0.83 ug/L
RT: 13.578 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

Tgt Ion:146 Resp: 6804
Ion Ratio Lower Upper
146 100
111 2184.4 28.8 53.4#
148 81.8 46.8 87.0

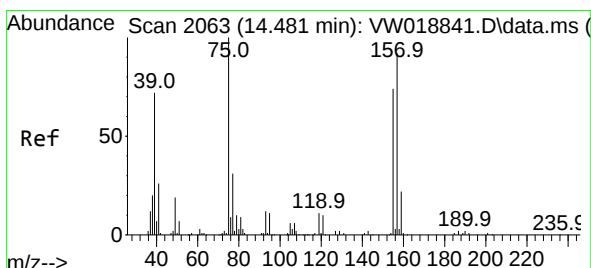
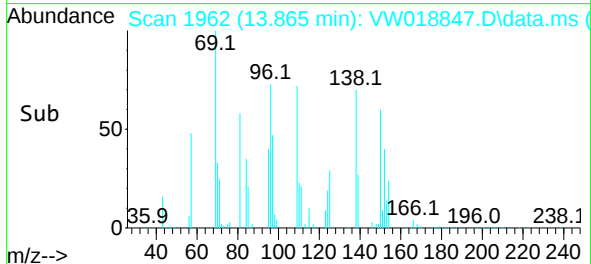
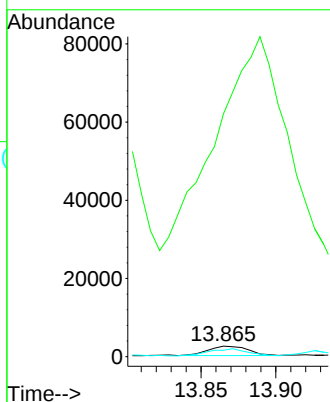
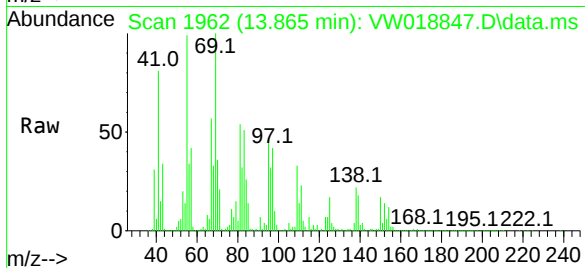




#67
1,2-Dichlorobenzene
Concen: 0.60 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.000 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

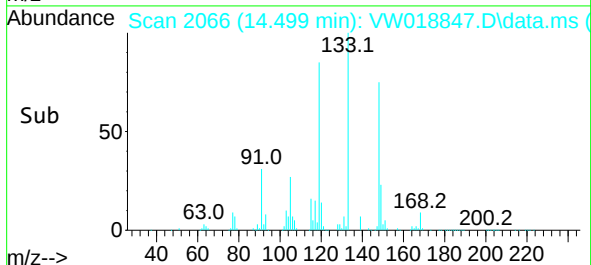
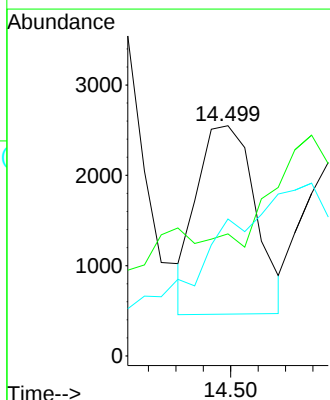
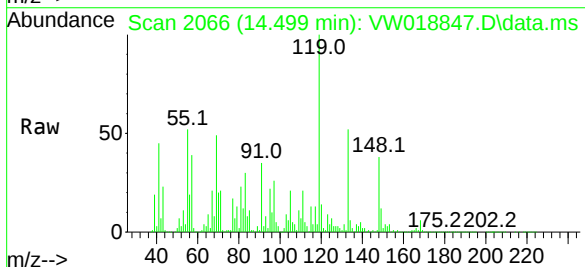
Instrument :
MSVOA_W
ClientSampleId :

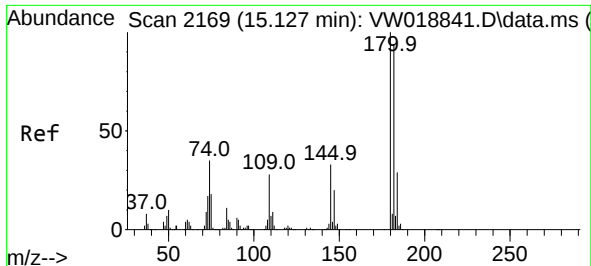
Tgt Ion:146 Resp: 4440
Ion Ratio Lower Upper
146 100
111 2303.9 33.2 49.8#
148 60.5 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 5.09 ug/L
RT: 14.499 min Scan# 2066
Delta R.T. 0.018 min
Lab File: VW018847.D
Acq: 29 Apr 2021 15:54

Tgt Ion: 75 Resp: 3096
Ion Ratio Lower Upper
75 100
155 53.0 59.4 89.0#
157 59.5 72.2 108.2#





#70

1,2,4-trichlorobenzene

Concen: 0.56 ug/L

RT: 15.139 min Scan# 2171

Delta R.T. 0.012 min

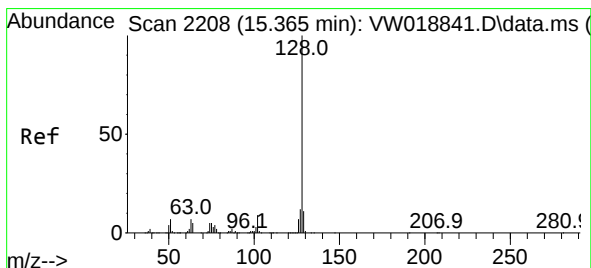
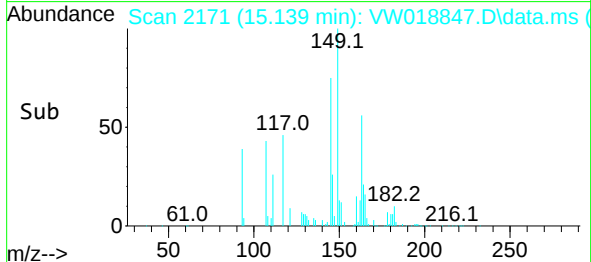
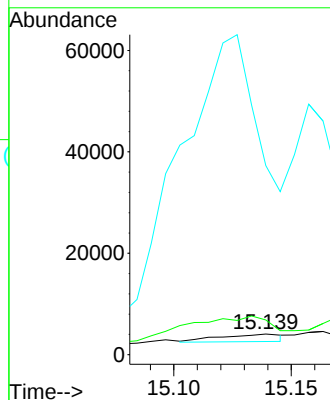
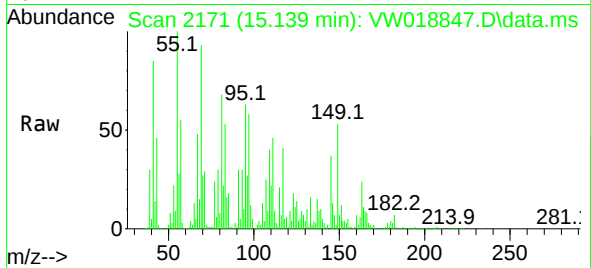
Lab File: VW018847.D

Acq: 29 Apr 2021 15:54

Tgt Ion:180 Resp: 2743

Ion	Ratio	Lower	Upper
180	100		
182	497.1	74.7	112.1#
145	5053.7	25.0	37.4#

Instrument :
MSVOA_W
ClientSampled :



#71

Naphthalene

Concen: 13.19 ug/L

RT: 15.365 min Scan# 2208

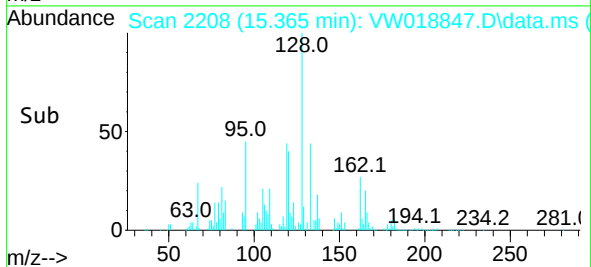
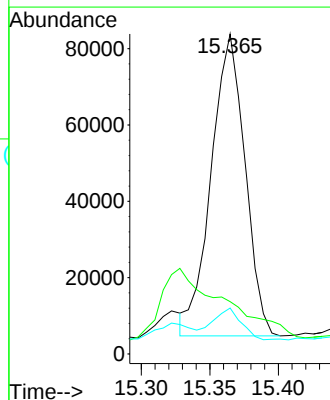
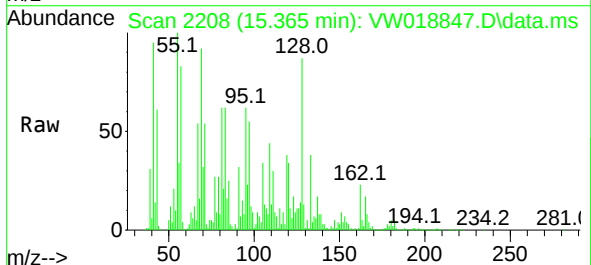
Delta R.T. -0.000 min

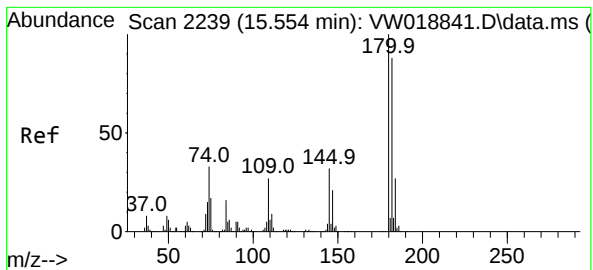
Lab File: VW018847.D

Acq: 29 Apr 2021 15:54

Tgt Ion:128 Resp: 135482

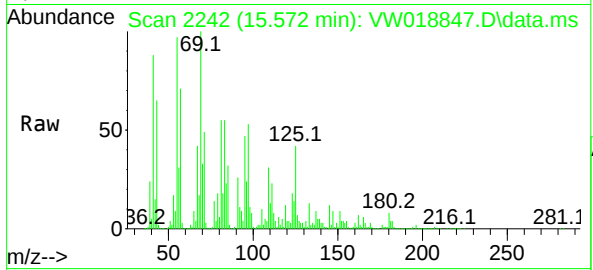
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	8.9	9.0	13.6#





#72
 1,2,3-Trichlorobenzene
 Concen: 2.11 ug/L
 RT: 15.572 min Scan# 2242
 Delta R.T. 0.018 min
 Lab File: VW018847.D
 Acq: 29 Apr 2021 15:54

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:180 Resp: 9079
 Ion Ratio Lower Upper
 180 100
 182 81.2 76.7 115.1
 145 0.0 28.9 43.3#

