

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042121\
 Data File : VW018711.D
 Acq On : 21 Apr 2021 14:45
 Operator : SY/VA
 Sample : M2065-17RE
 Misc : 3.16G/10ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 01:23:02 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM041421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Apr 22 01:20:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	608044	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	421239	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	122117	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	120597	13.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	52.20%
7) Chloroethane-d5	2.898	69	111985	13.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.68%
11) 1,1-Dichloroethene-d2	4.019	63	156462	9.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	39.00%#
21) 2-Butanone-d5	7.086	46	83339	39.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.24%
24) Chloroform-d	7.653	84	307805	18.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.80%
26) 1,2-Dichloroethane-d4	8.311	65	168178	17.93	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	71.72%
32) Benzene-d6	8.281	84	534212	21.62	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.48%
36) 1,2-Dichloropropane-d6	9.274	67	180216	24.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.80%
41) Toluene-d8	10.323	98	411533	18.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.84%
43) trans-1,3-Dichloroprop...	10.579	79	51154	16.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	64.56%
47) 2-Hexanone-d5	10.927	63	72837	56.25	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.50%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	129099	20.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.04%
66) 1,2-Dichlorobenzene-d4	13.853	152	89680	20.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.60%
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	38040	24.92	ug/L	89
14) Carbon disulfide	4.391	76	22961	0.97	ug/L	99
16) Methylene chloride	4.928	84	39045	3.92	ug/L	95
22) 2-Butanone	7.177	43	14872	6.41	ug/L	96
29) Cyclohexane	7.958	56	4998	0.48	ug/L #	91
33) Benzene	8.323	78	42331	1.60	ug/L	100
35) Methylcyclohexane	9.335	83	21556	1.82	ug/L #	82
42) Toluene	10.390	91	10612	0.37	ug/L	100
45) 1,1,2-Trichloroethane	10.762	97	5265	1.06	ug/L #	53
48) 2-Hexanone	10.933	43	23745	9.13	ug/L #	36
52) Ethylbenzene	11.731	91	11535	0.37	ug/L	92
53) m,p-Xylene	11.835	106	12826	1.11	ug/L	73
54) o-Xylene	12.164	106	30021	2.72	ug/L	91
57) 1,1,2,2-Tetrachloroethane	12.695	83	28316	4.58	ug/L	92
59) Bromoform	12.341	173	958	0.55	ug/L #	46
60) Isopropylbenzene	12.463	105	14810	0.82	ug/L #	90
62) 1,3,5-Trimethylbenzene	12.945	105	41613	2.80	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	39454	2.66	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	3699	0.49	ug/L #	1

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Quant Title : SFAM01.0
QLast Update : Thu Apr 22 01:20:40 2021
Response via : Initial Calibration

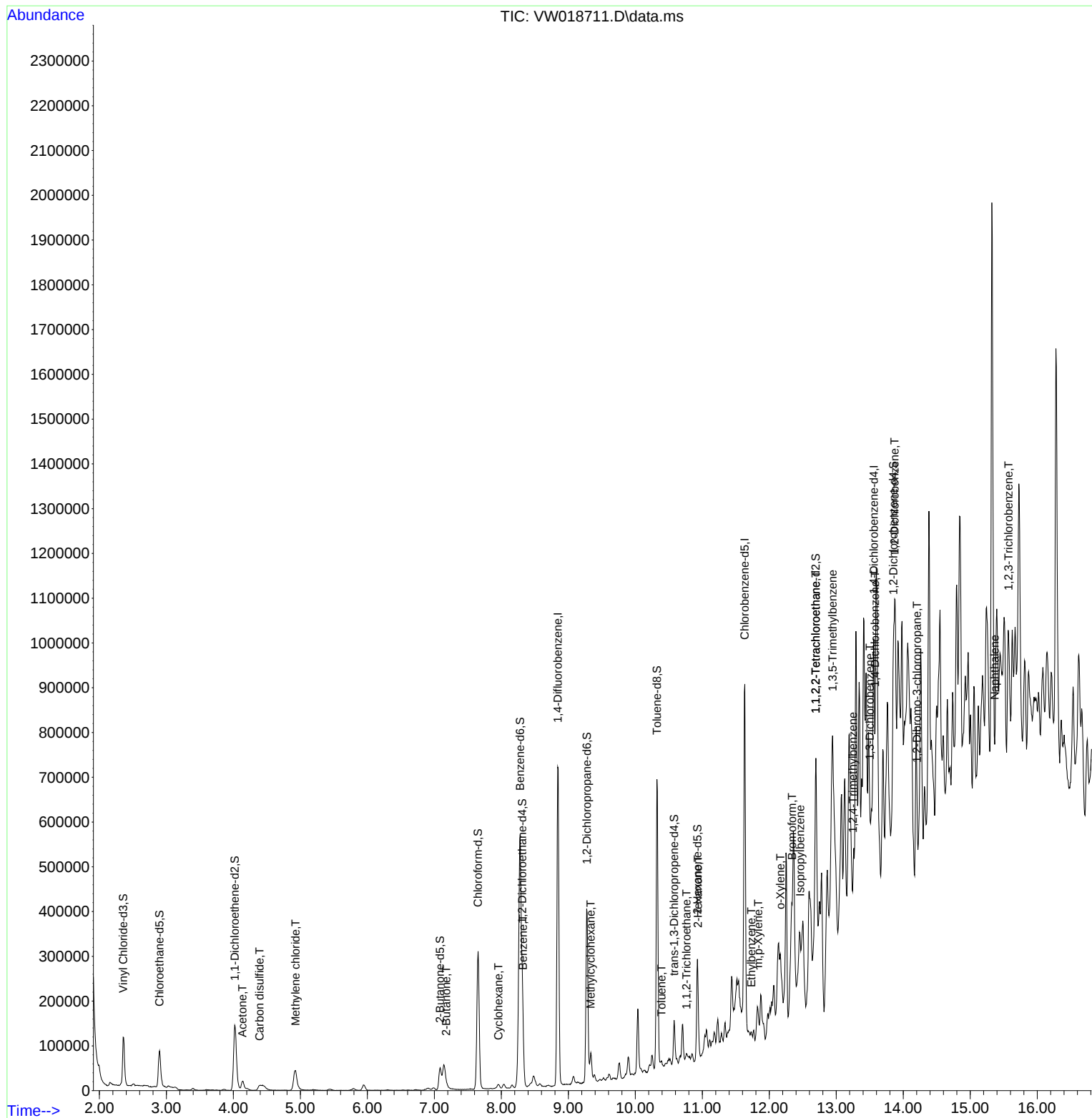
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	13.579	146	3076	0.40	ug/L #	1
67) 1,2-Dichlorobenzene	13.871	146	2171	0.31	ug/L #	1
68) 1,2-Dibromo-3-chloropr...	14.207	75	1170	2.02	ug/L	95
71) Naphthalene	15.365	128	12463	1.34	ug/L #	72
72) 1,2,3-Trichlorobenzene	15.572	180	3693	0.95	ug/L #	24

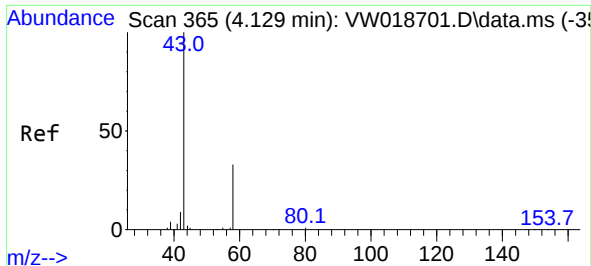
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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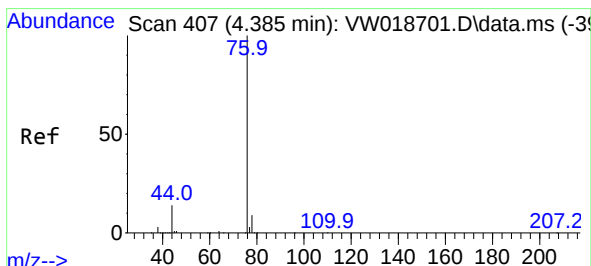
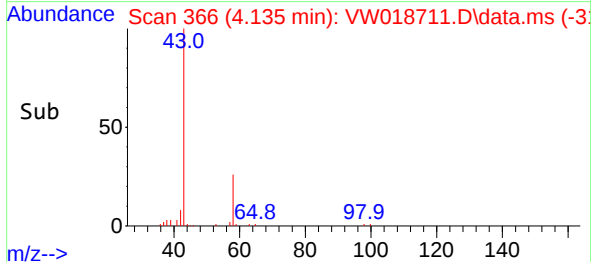
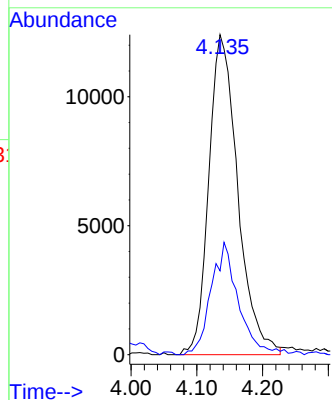
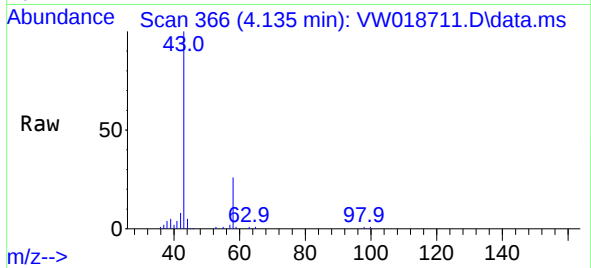




#13
Acetone
Concen: 24.92 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.006 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

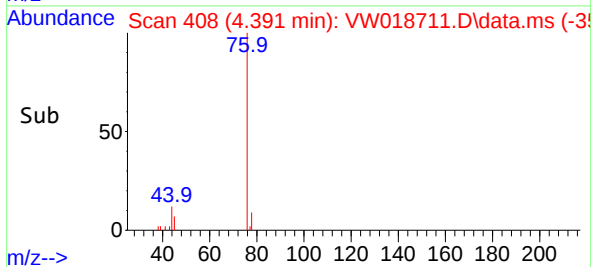
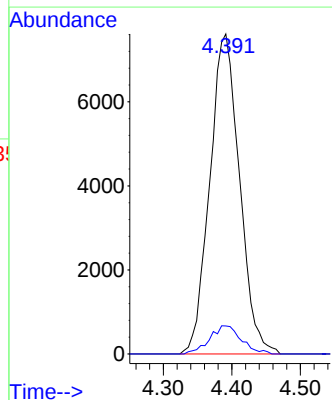
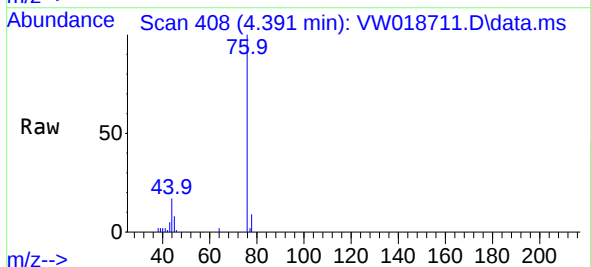
Instrument :
MSVOA_W
ClientSampled :

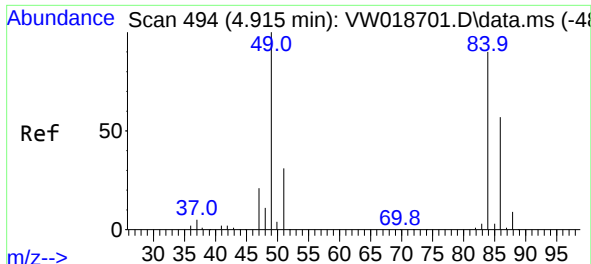
Tgt Ion: 43 Resp: 38040
Ion Ratio Lower Upper
43 100
58 32.5 0.0 53.8



#14
Carbon disulfide
Concen: 0.97 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Tgt Ion: 76 Resp: 22961
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0

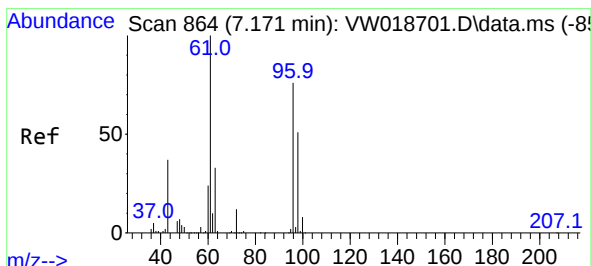
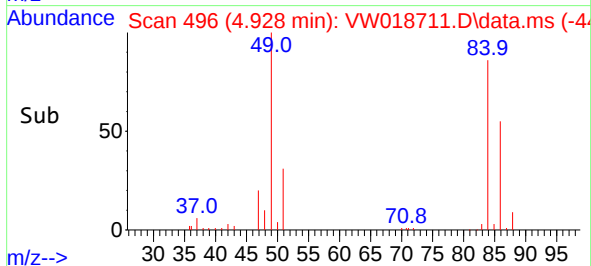
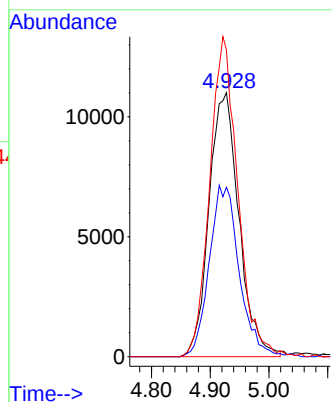
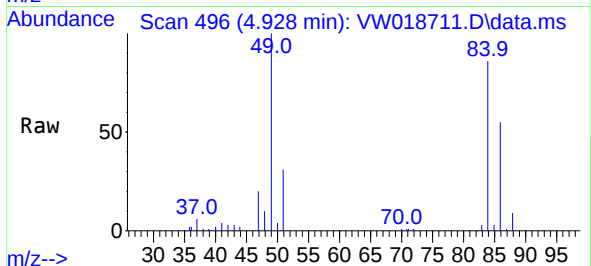




#16
Methylene chloride
Concen: 3.92 ug/L
RT: 4.928 min Scan# 496
Delta R.T. 0.012 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

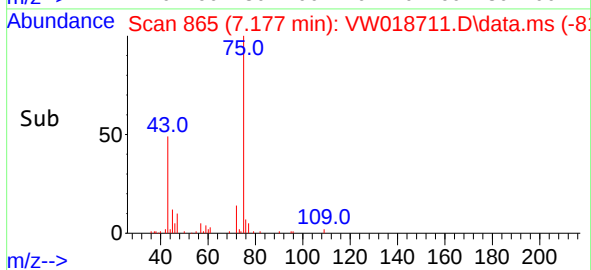
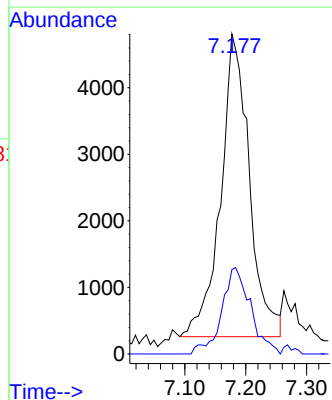
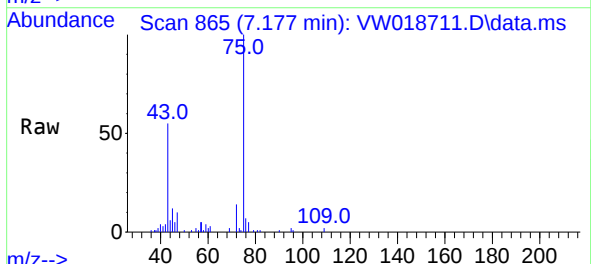
Instrument :
MSVOA_W
ClientSampled :

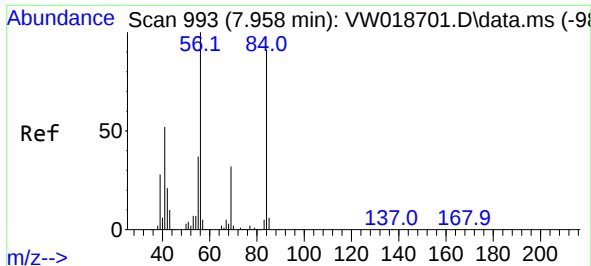
Tgt Ion: 84 Resp: 39045
Ion Ratio Lower Upper
84 100
86 64.2 45.3 84.1
49 116.2 86.6 160.8



#22
2-Butanone
Concen: 6.41 ug/L
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Tgt Ion: 43 Resp: 14872
Ion Ratio Lower Upper
43 100
72 27.5 14.9 44.7

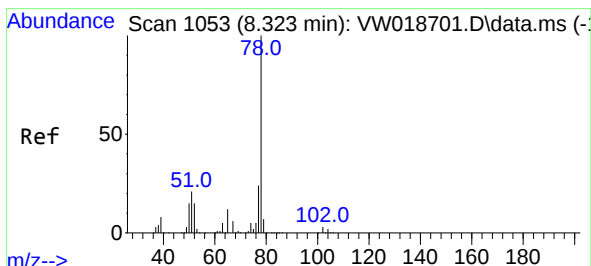
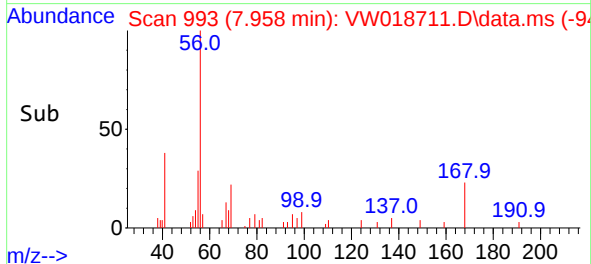
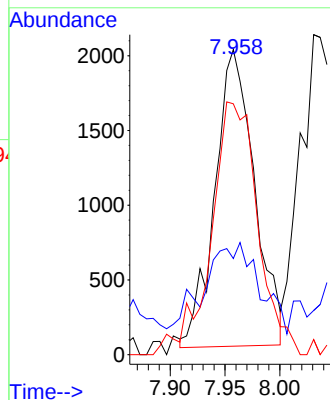
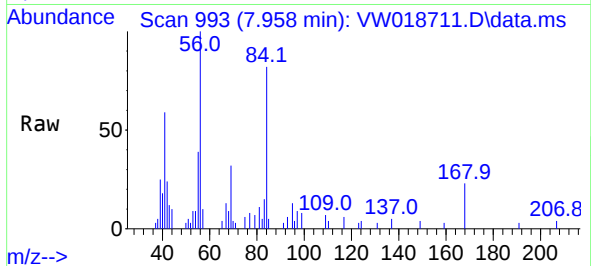




#29
Cyclohexane
Concen: 0.48 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

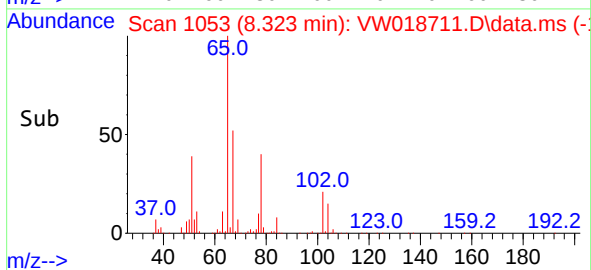
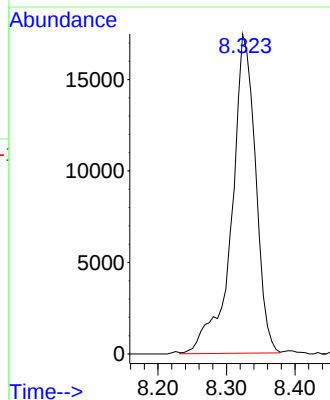
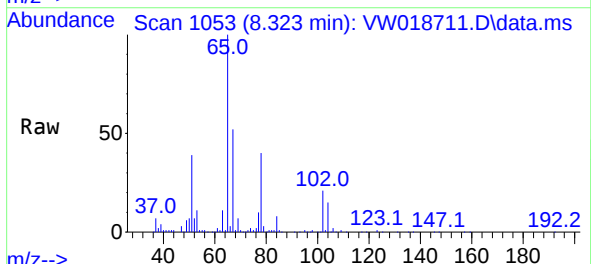
Instrument :
MSVOA_W
ClientSampled :

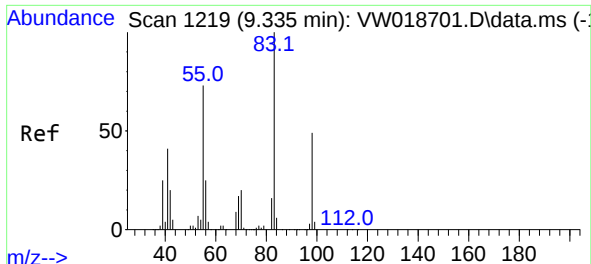
Tgt Ion: 56 Resp: 4998
Ion Ratio Lower Upper
56 100
69 11.2 24.5 36.7#
84 93.0 75.0 112.4



#33
Benzene
Concen: 1.60 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Tgt Ion: 78 Resp: 42331

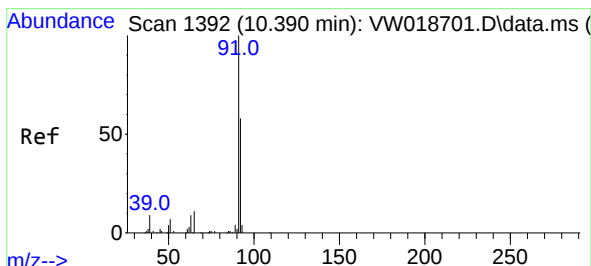
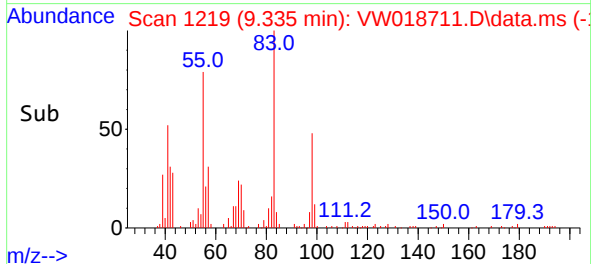
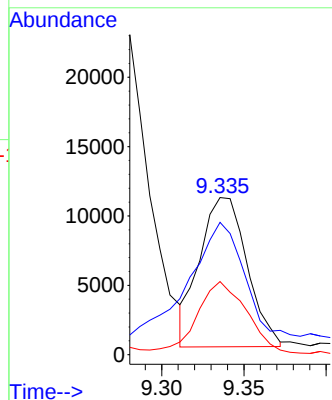
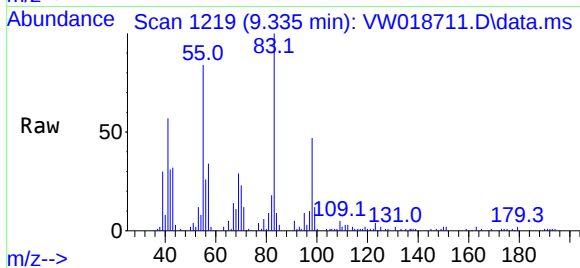




#35
Methylcyclohexane
Concen: 1.82 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

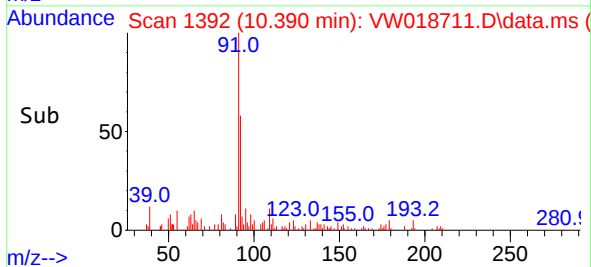
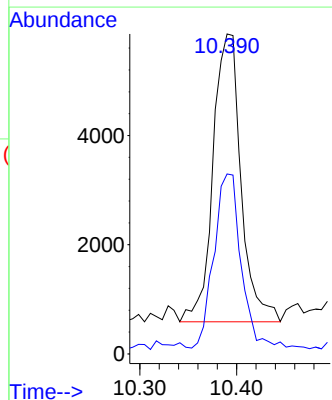
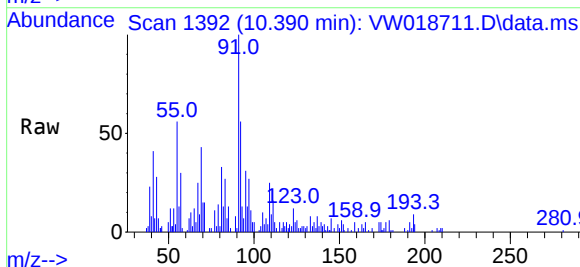
Instrument :
MSVOA_W
ClientSampleId :

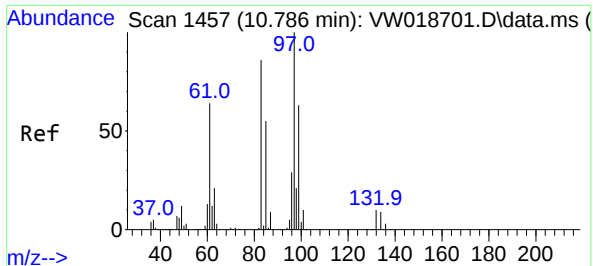
Tgt Ion: 83 Resp: 21556
Ion Ratio Lower Upper
83 100
55 99.3 58.9 88.3#
98 50.4 40.1 60.1



#42
Toluene
Concen: 0.37 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Tgt Ion: 91 Resp: 10612
Ion Ratio Lower Upper
91 100
92 56.3 39.5 73.3



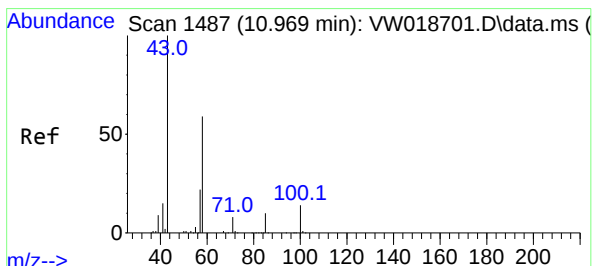
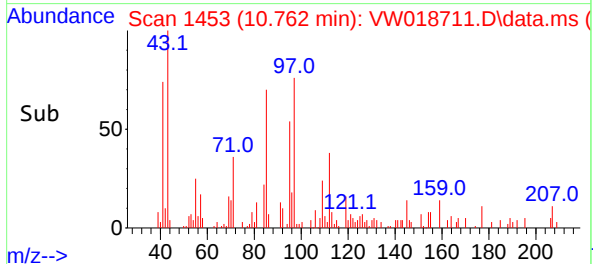
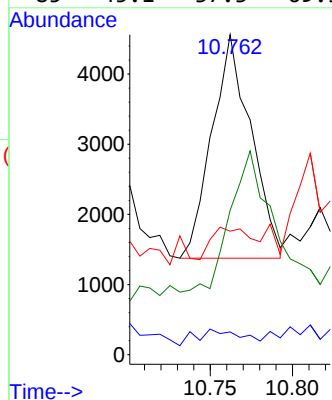
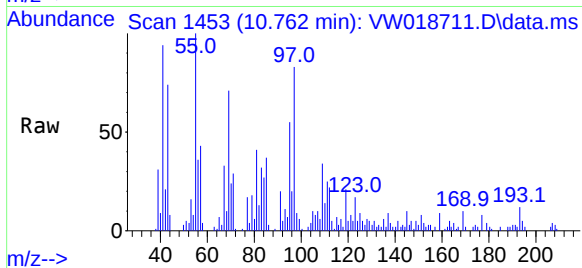


#45
1,1,2-Trichloroethane
Concen: 1.06 ug/L
RT: 10.762 min Scan# 1453
Delta R.T. -0.024 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 97 Resp: 5265

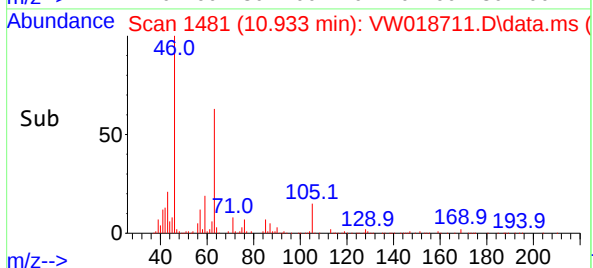
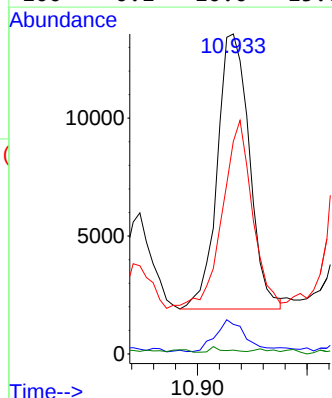
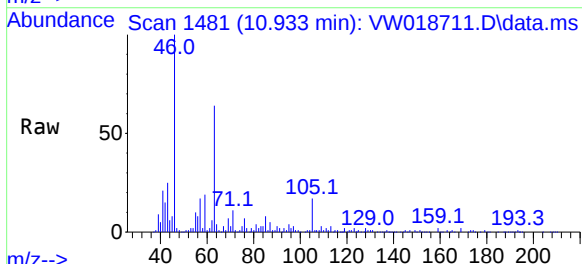
Ion	Ratio	Lower	Upper
97	100		
99	7.1	45.1	83.7#
83	38.6	58.1	107.9#
85	45.1	37.3	69.3

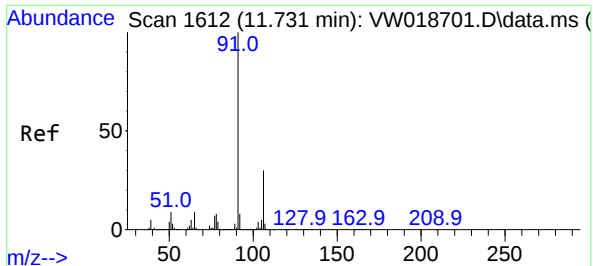


#48
2-Hexanone
Concen: 9.13 ug/L
RT: 10.933 min Scan# 1481
Delta R.T. -0.037 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Tgt Ion: 43 Resp: 23745

Ion	Ratio	Lower	Upper
43	100		
58	10.8	42.7	64.1#
57	64.1	15.8	23.8#
100	0.1	10.0	15.0#

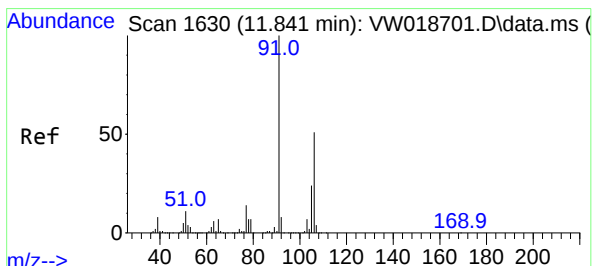
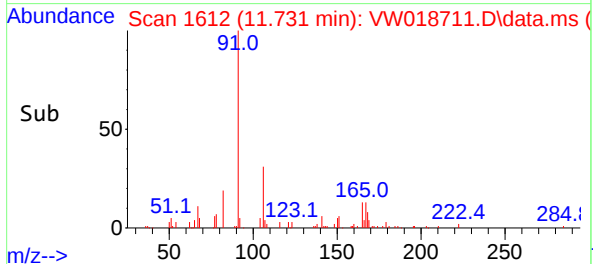
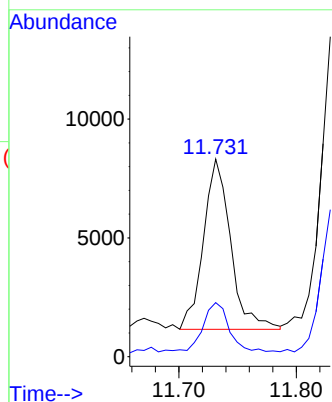
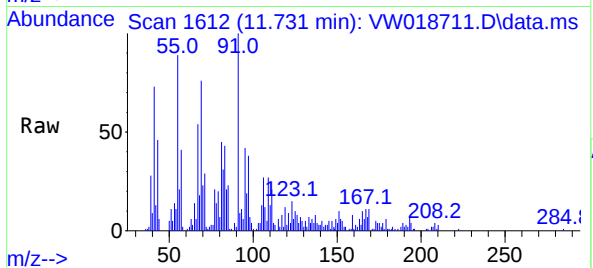




#52
Ethylbenzene
Concen: 0.37 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

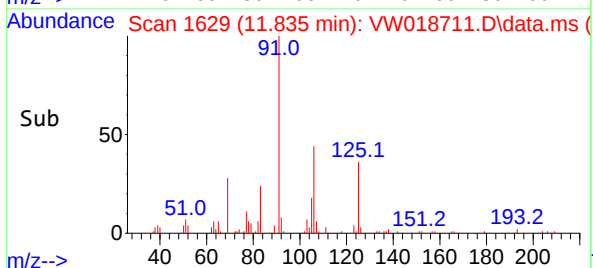
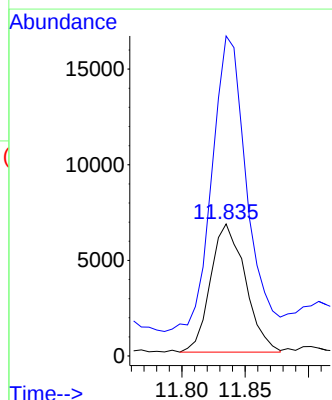
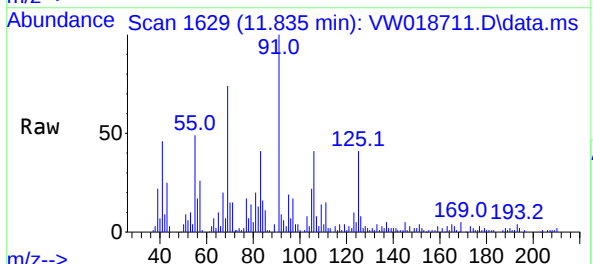
Instrument :
MSVOA_W
ClientSampled :

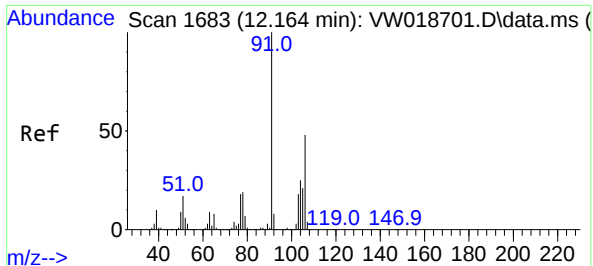
Tgt Ion: 91 Resp: 11535
Ion Ratio Lower Upper
91 100
106 27.4 22.5 41.7



#53
m,p-Xylene
Concen: 1.11 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Tgt Ion:106 Resp: 12826
Ion Ratio Lower Upper
106 100
91 242.4 141.3 262.3

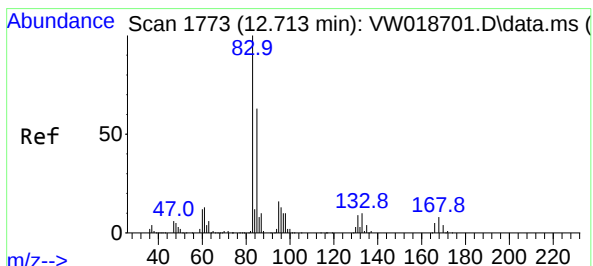
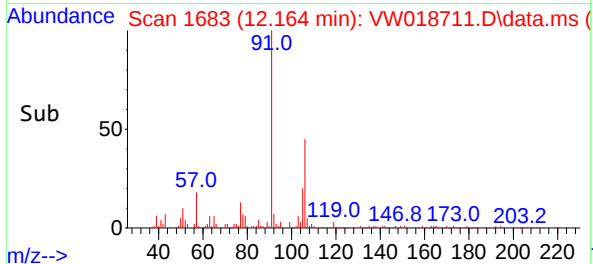
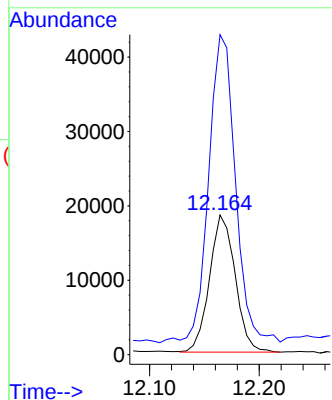
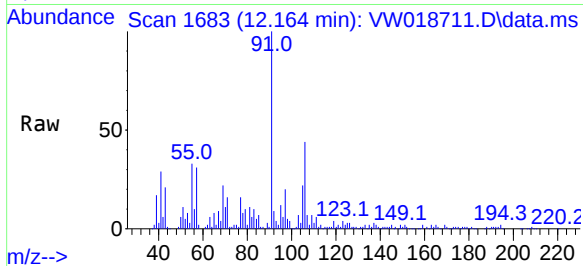




#54
o-Xylene
Concen: 2.72 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

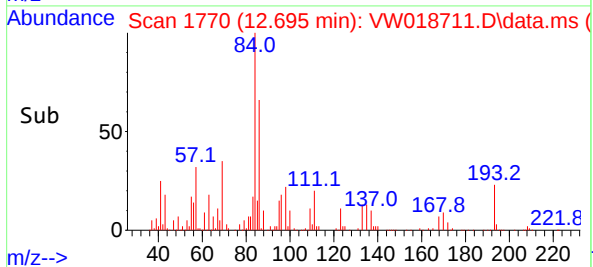
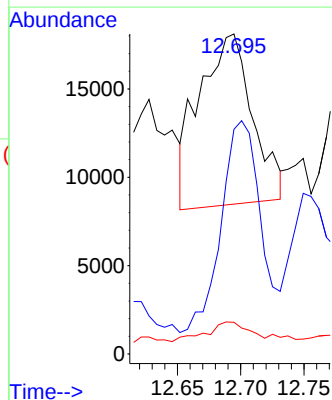
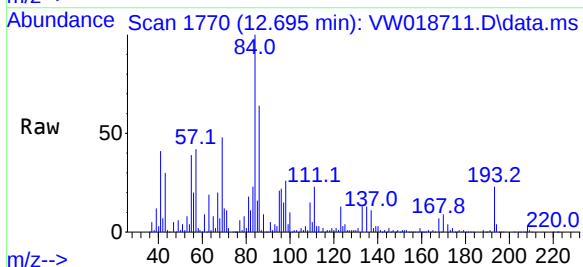
Instrument :
MSVOA_W
ClientSampleId :

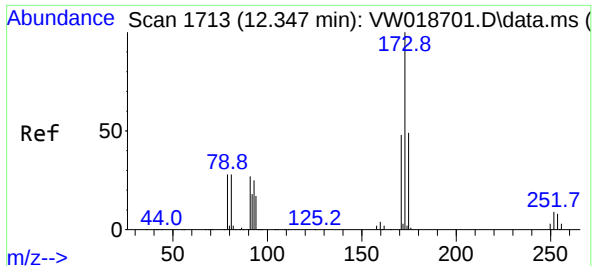
Tgt Ion:106 Resp: 30021
Ion Ratio Lower Upper
106 100
91 229.0 150.0 278.6



#57
1,1,2,2-Tetrachloroethane
Concen: 4.58 ug/L
RT: 12.695 min Scan# 1770
Delta R.T. -0.018 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Tgt Ion: 83 Resp: 28316
Ion Ratio Lower Upper
83 100
85 70.2 44.4 82.4
131 9.9 8.2 12.4

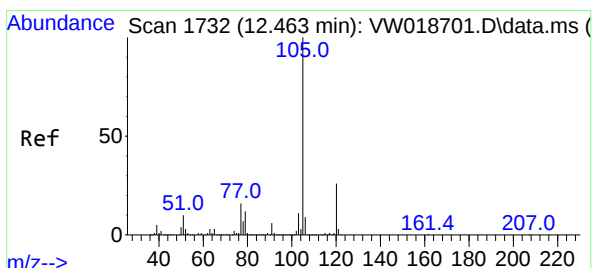
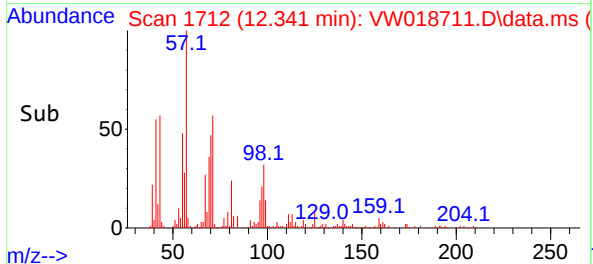
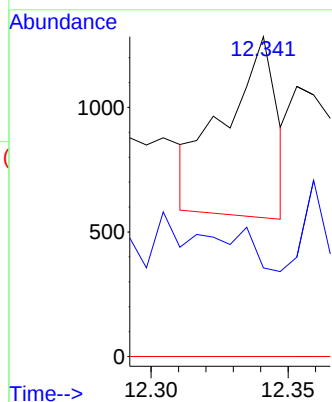
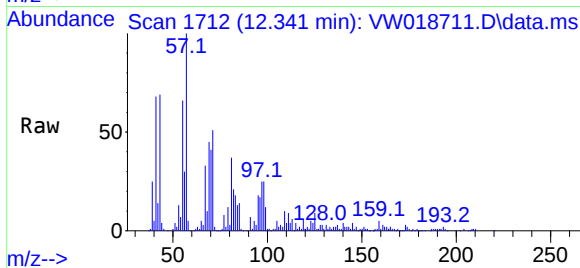




#59
Bromoform
Concen: 0.55 ug/L
RT: 12.341 min Scan# 1712
Delta R.T. -0.006 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

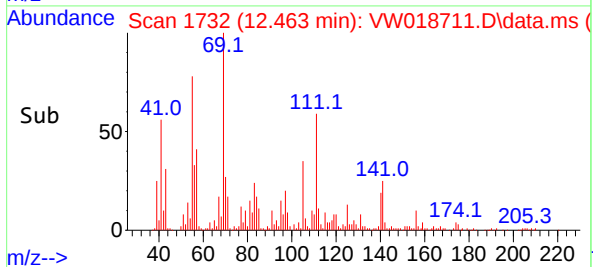
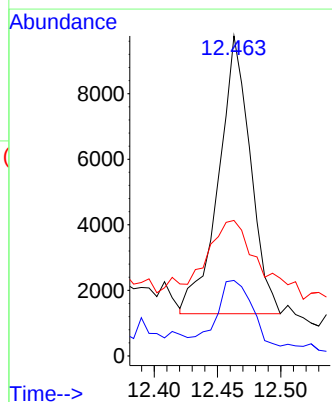
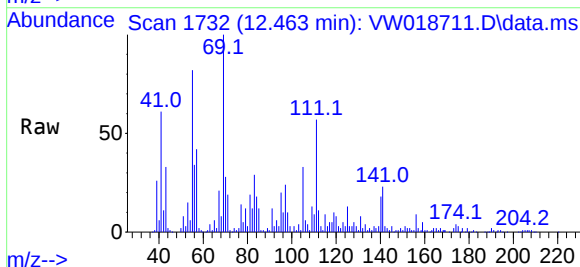
Instrument :
MSVOA_W
ClientSampleId :

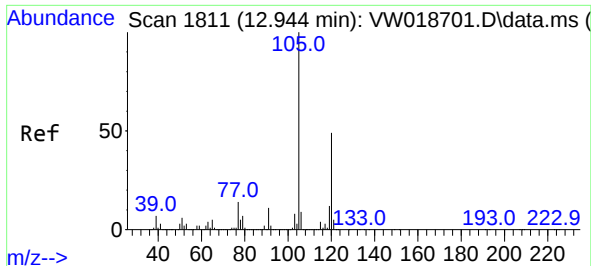
Tgt Ion:173 Resp: 958
Ion Ratio Lower Upper
173 100
175 7.4 37.5 56.3#
254 0.0 7.0 10.4#



#60
Isopropylbenzene
Concen: 0.82 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Tgt Ion:105 Resp: 14810
Ion Ratio Lower Upper
105 100
120 26.9 21.1 31.7
77 27.3 13.2 19.8#

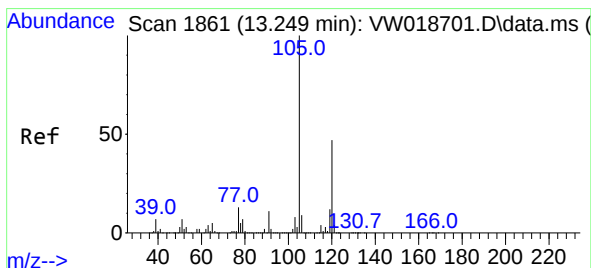
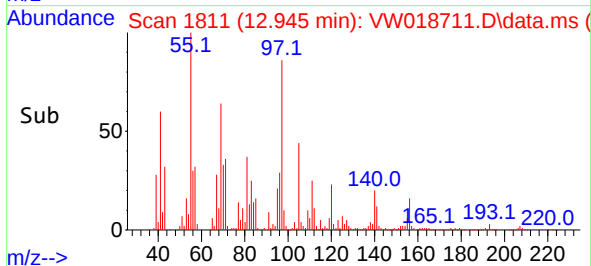
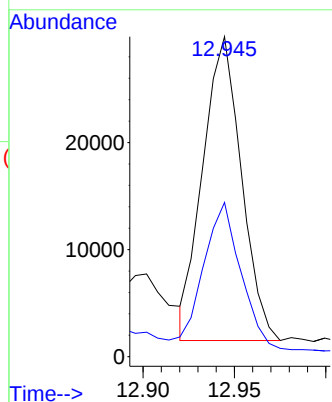
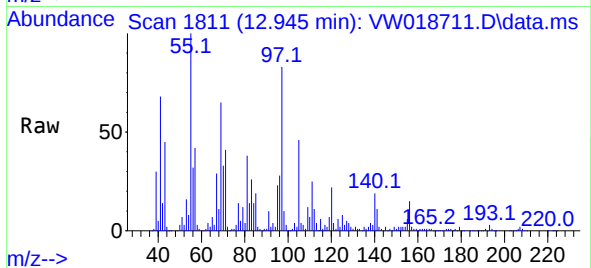




#62
1,3,5-Trimethylbenzene
Concen: 2.80 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

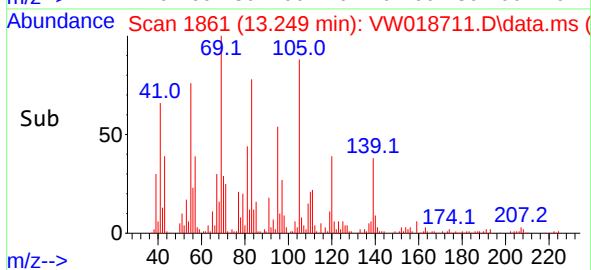
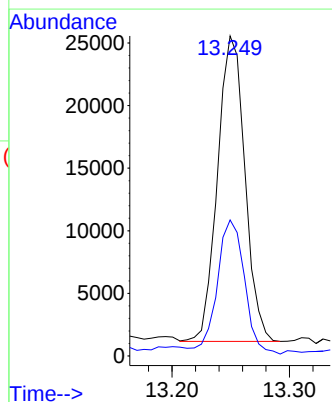
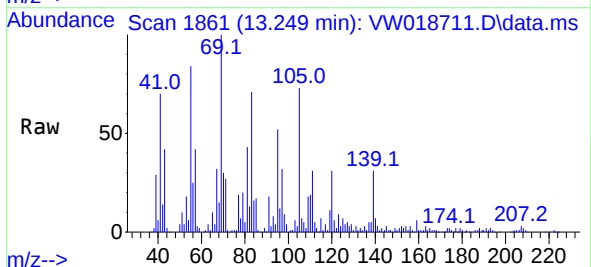
Instrument :
MSVOA_W
ClientSampled :

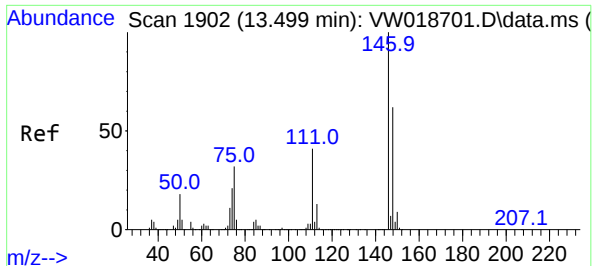
Tgt Ion:105 Resp: 41613
Ion Ratio Lower Upper
105 100
120 49.2 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 2.66 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Tgt Ion:105 Resp: 39454
Ion Ratio Lower Upper
105 100
120 43.9 35.6 53.4

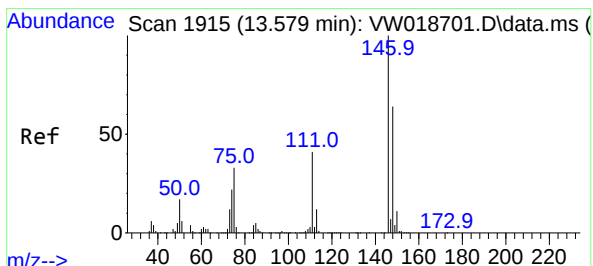
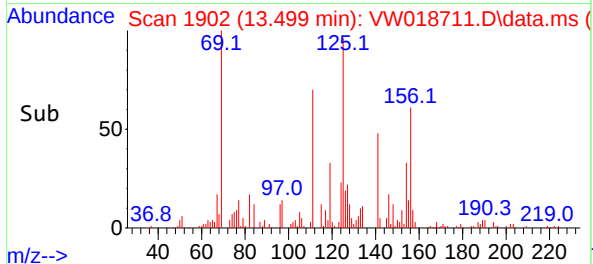
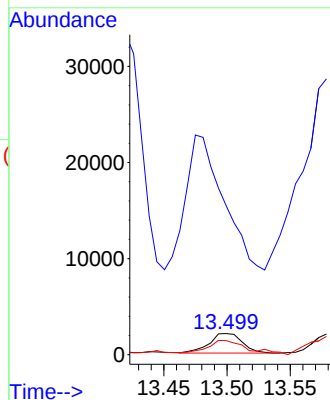
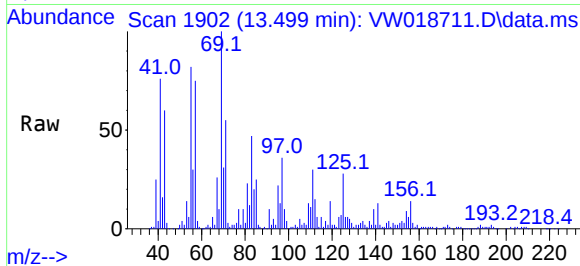




#64
1,3-Dichlorobenzene
Concen: 0.49 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

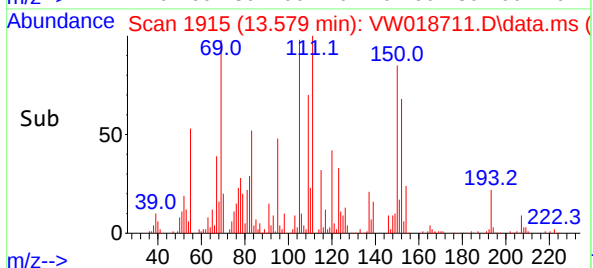
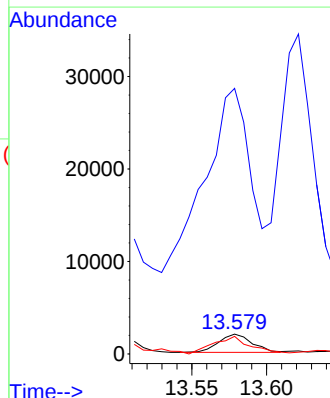
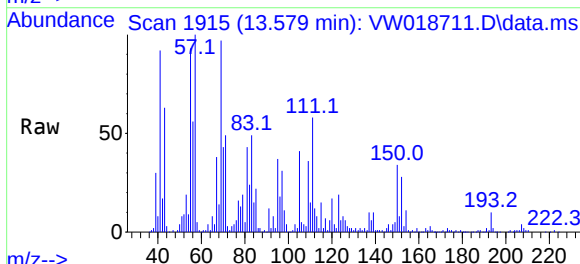
Instrument :
MSVOA_W
ClientSampleId :

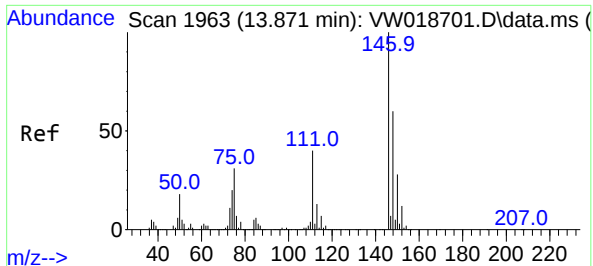
Tgt Ion:146 Resp: 3699
Ion Ratio Lower Upper
146 100
111 707.7 26.7 49.7#
148 67.0 41.1 76.3



#65
1,4-Dichlorobenzene
Concen: 0.40 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Tgt Ion:146 Resp: 3076
Ion Ratio Lower Upper
146 100
111 1334.8 28.8 53.4#
148 88.7 46.8 87.0#

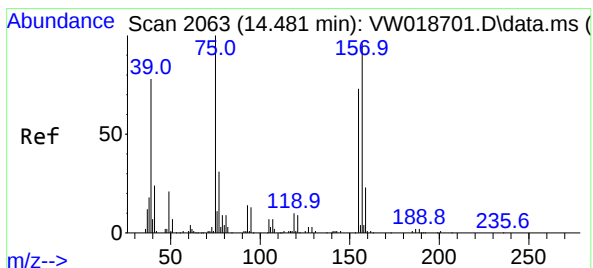
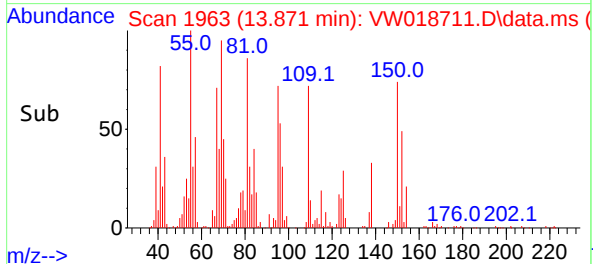
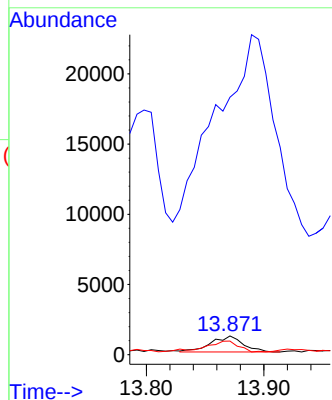
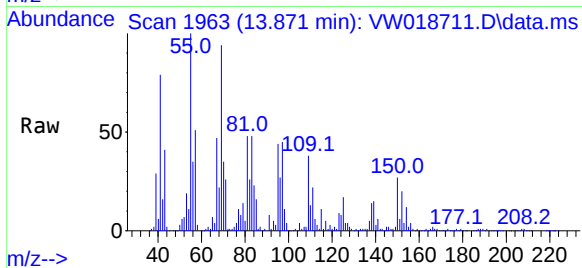




#67
1,2-Dichlorobenzene
Concen: 0.31 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

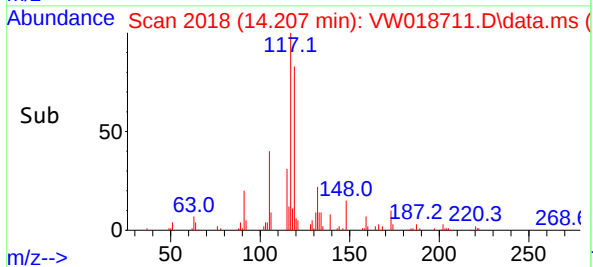
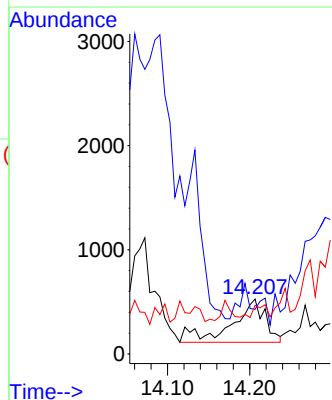
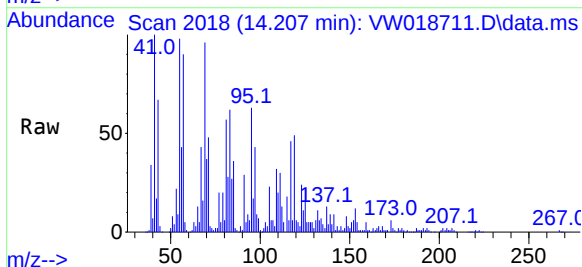
Instrument :
MSVOA_W
ClientSampleId :

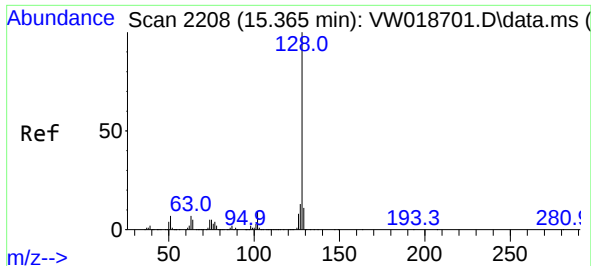
Tgt Ion:146 Resp: 2171
Ion Ratio Lower Upper
146 100
111 1377.6 33.2 49.8#
148 72.5 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 2.02 ug/L
RT: 14.207 min Scan# 2018
Delta R.T. -0.274 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Tgt Ion: 75 Resp: 1170
Ion Ratio Lower Upper
75 100
155 81.2 59.4 89.0
157 88.6 72.2 108.2

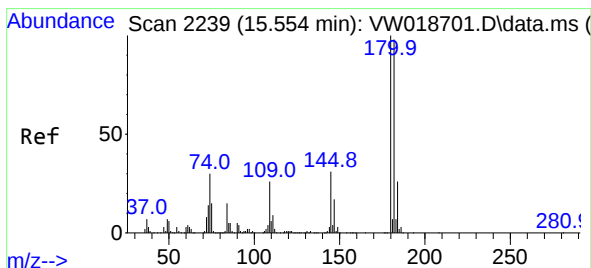
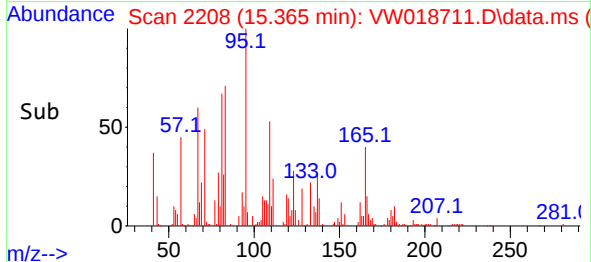
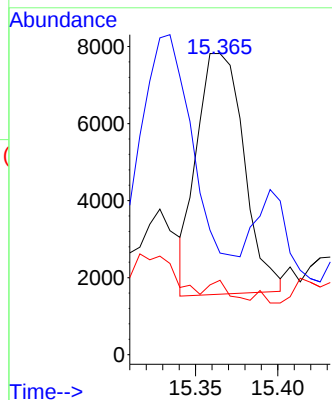
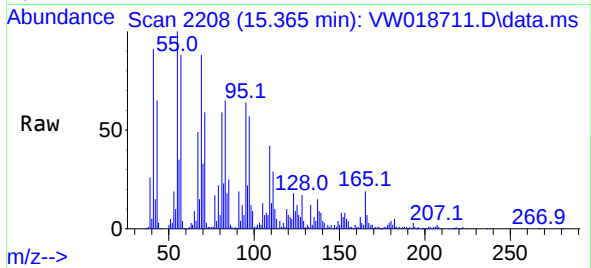




#71
Naphthalene
Concen: 1.34 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 12463
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 3.2 9.0 13.6#



#72
1,2,3-Trichlorobenzene
Concen: 0.95 ug/L
RT: 15.572 min Scan# 2242
Delta R.T. 0.018 min
Lab File: VW018711.D
Acq: 21 Apr 2021 14:45

Tgt Ion:180 Resp: 3693
Ion Ratio Lower Upper
180 100
182 15.6 76.7 115.1#
145 0.0 28.9 43.3#

