

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW042121\
 Data File : VW018710.D
 Acq On : 21 Apr 2021 14:21
 Operator : SY/VA
 Sample : M2065-15RE
 Misc : 3.53G/10ML/MSVOA_W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 22 01:22:48 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	595550	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	419214	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	141586	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	124201	13.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.88%
7) Chloroethane-d5	2.898	69	109899	13.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.80%
11) 1,1-Dichloroethene-d2	4.019	63	157893	10.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	40.20%#
21) 2-Butanone-d5	7.086	46	71044	34.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.98%
24) Chloroform-d	7.653	84	301511	18.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	73.80%
26) 1,2-Dichloroethane-d4	8.311	65	155371	16.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	67.64%#
32) Benzene-d6	8.275	84	519276	21.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.48%
36) 1,2-Dichloropropane-d6	9.274	67	174568	23.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.20%
41) Toluene-d8	10.323	98	409374	18.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	72.80%
43) trans-1,3-Dichloroprop...	10.579	79	53760	17.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.16%
47) 2-Hexanone-d5	10.927	63	61312	47.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.16%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	116359	18.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	75.20%
66) 1,2-Dichlorobenzene-d4	13.853	152	95095	19.12	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.48%
Target Compounds						
					Qvalue	
13) Acetone	4.135	43	18903	12.64	ug/L	83
14) Carbon disulfide	4.391	76	42444	1.82	ug/L	99
16) Methylene chloride	4.922	84	41247	4.23	ug/L	87
29) Cyclohexane	7.964	56	3096	0.30	ug/L	99
33) Benzene	8.330	78	37228	1.41	ug/L	100
35) Methylcyclohexane	9.342	83	13331	1.13	ug/L #	66
42) Toluene	10.390	91	10681	0.38	ug/L	89
51) Chlorobenzene	11.658	112	6348	0.36	ug/L #	56
52) Ethylbenzene	11.731	91	14167	0.45	ug/L	86
53) m,p-Xylene	11.841	106	10328	0.90	ug/L	81
54) o-Xylene	12.164	106	28366	2.58	ug/L	92
55) Styrene	12.182	104	5189	0.27	ug/L #	53
57) 1,1,2,2-Tetrachloroethane	12.670	83	7192	1.17	ug/L #	44
60) Isopropylbenzene	12.463	105	49192	2.36	ug/L	98
62) 1,3,5-Trimethylbenzene	12.945	105	34963	2.03	ug/L	100
63) 1,2,4-Trimethylbenzene	13.249	105	33008	1.92	ug/L	92
64) 1,3-Dichlorobenzene	13.499	146	8109	0.92	ug/L #	1
65) 1,4-Dichlorobenzene	13.579	146	9086	1.02	ug/L #	1
67) 1,2-Dichlorobenzene	13.871	146	2976	0.37	ug/L #	1

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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

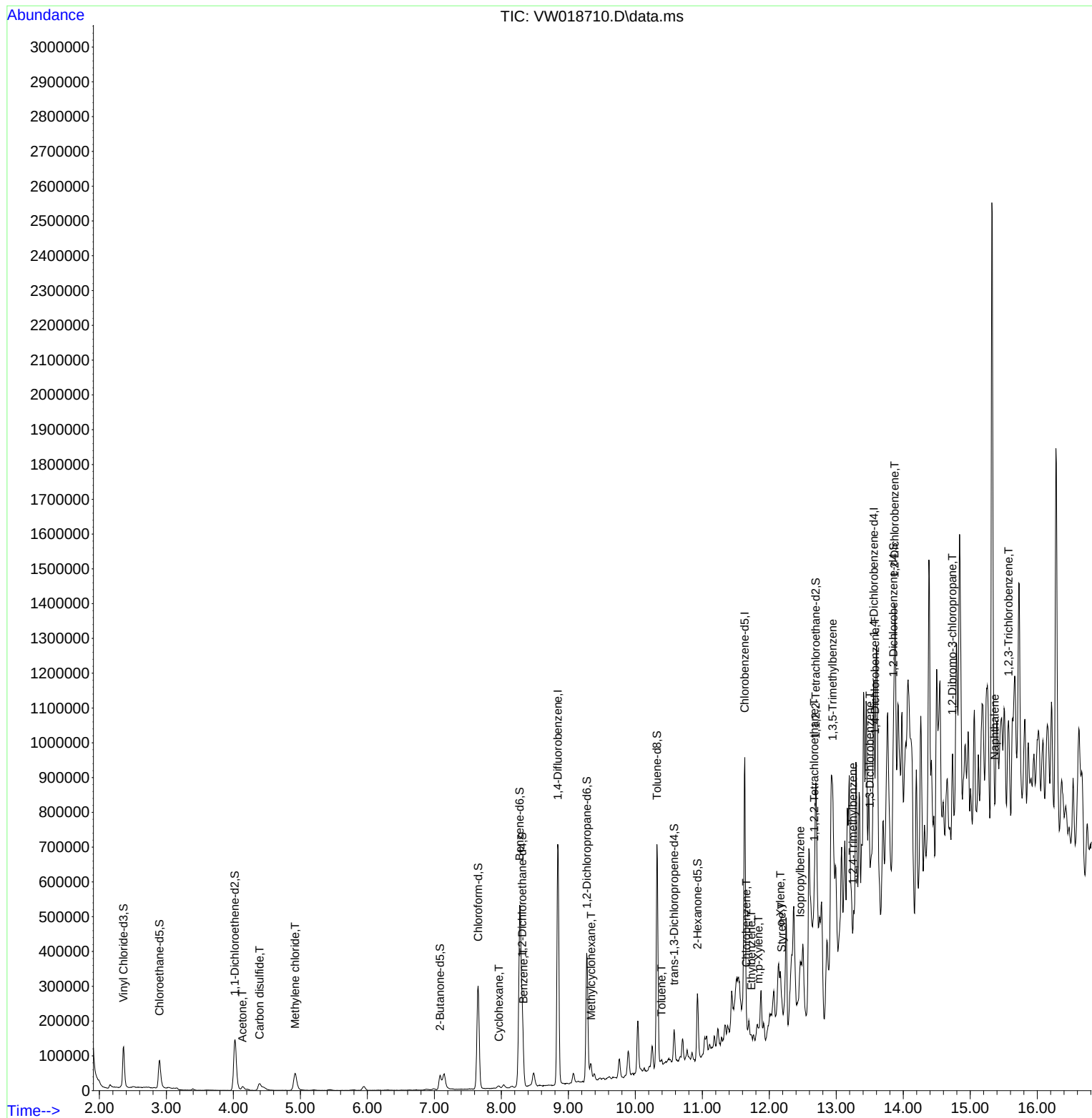
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	14.731	75	1081	1.61	ug/L #	1
71) Naphthalene	15.365	128	15424	1.43	ug/L #	93
72) 1,2,3-Trichlorobenzene	15.572	180	4611	1.02	ug/L #	52

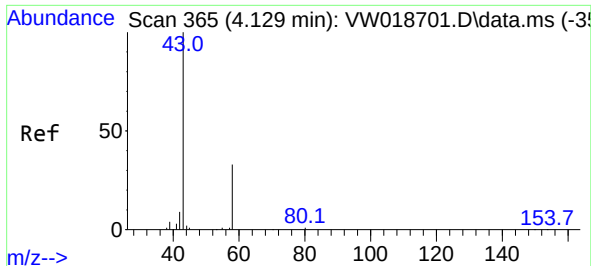
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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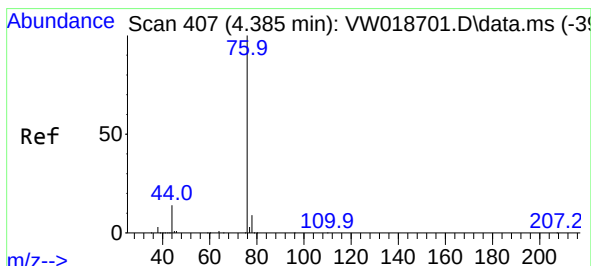
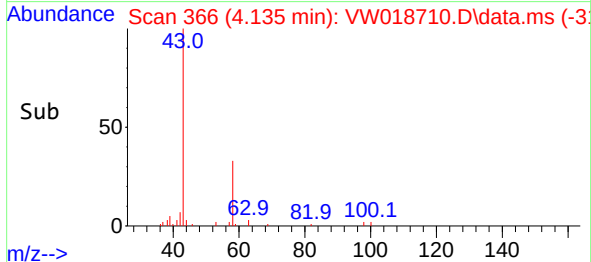
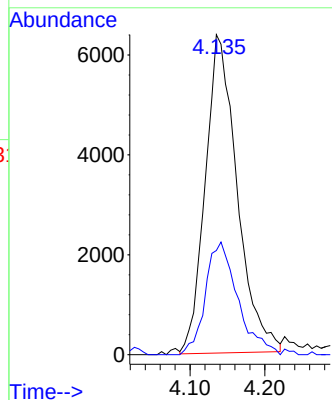
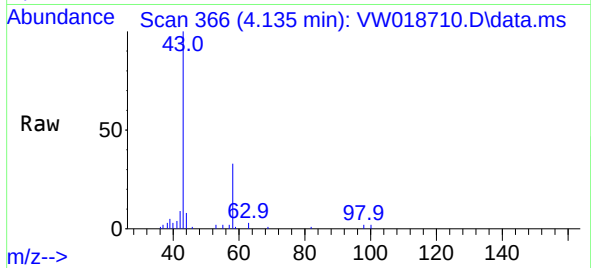




#13
Acetone
Concen: 12.64 ug/L
RT: 4.135 min Scan# 366
Delta R.T. 0.006 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

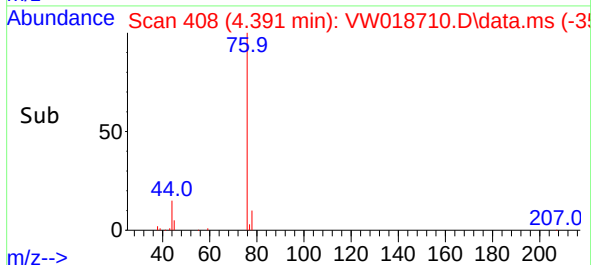
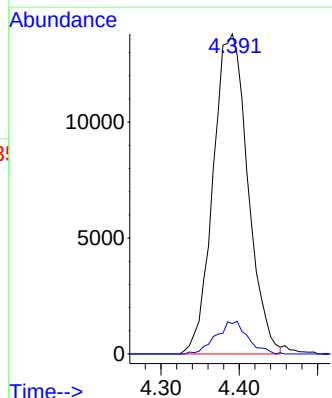
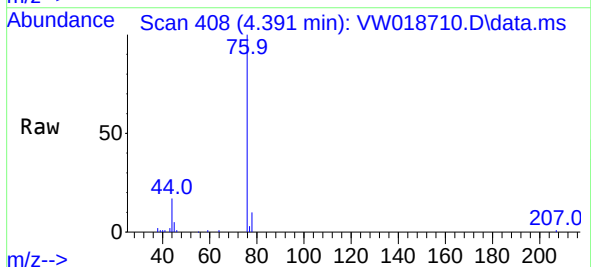
Instrument :
MSVOA_W
ClientSampled :

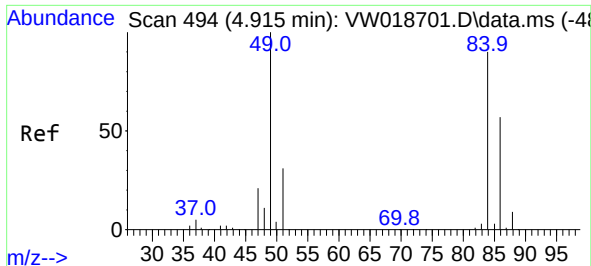
Tgt Ion: 43 Resp: 18903
Ion Ratio Lower Upper
43 100
58 35.9 0.0 53.8



#14
Carbon disulfide
Concen: 1.82 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

Tgt Ion: 76 Resp: 42444
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

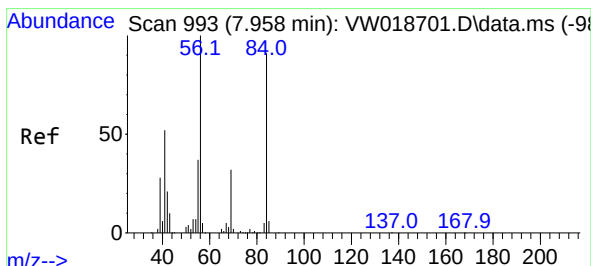
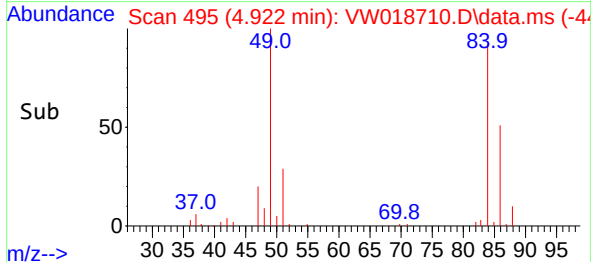
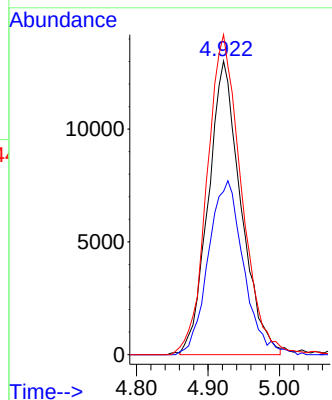
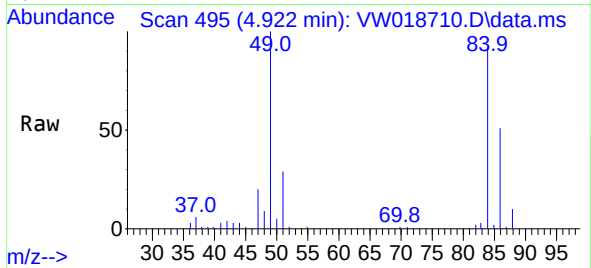




#16
Methylene chloride
Concen: 4.23 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

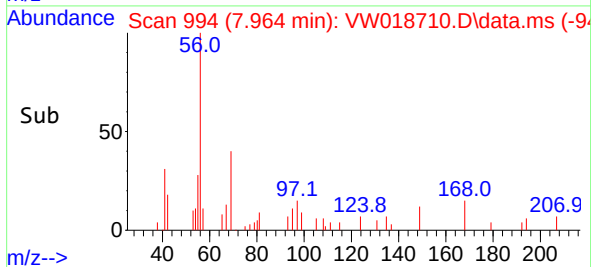
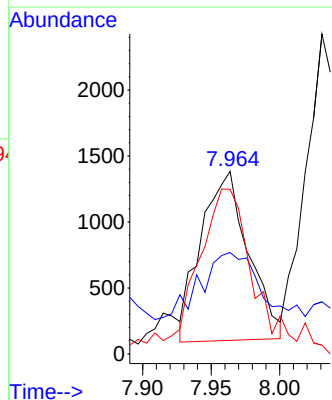
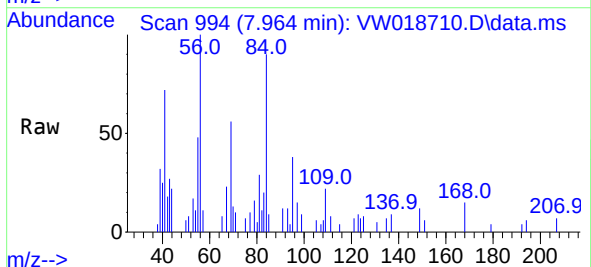
Instrument :
MSVOA_W
ClientSampled :

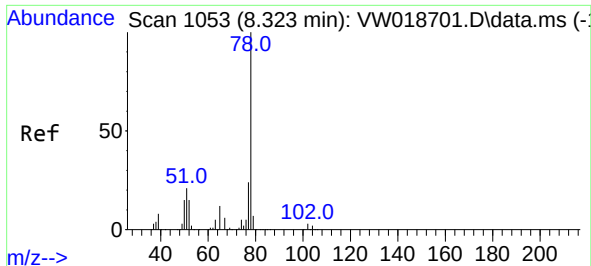
Tgt Ion: 84 Resp: 41247
Ion Ratio Lower Upper
84 100
86 55.6 45.3 84.1
49 109.0 86.6 160.8



#29
Cyclohexane
Concen: 0.30 ug/L
RT: 7.964 min Scan# 994
Delta R.T. 0.006 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

Tgt Ion: 56 Resp: 3096
Ion Ratio Lower Upper
56 100
69 33.3 24.5 36.7
84 93.6 75.0 112.4

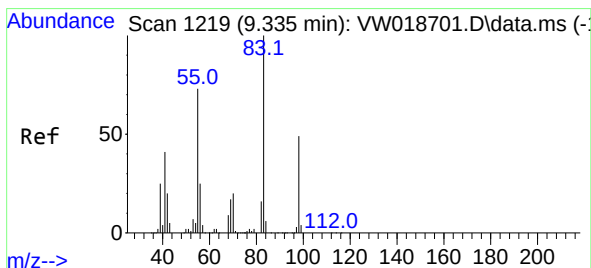
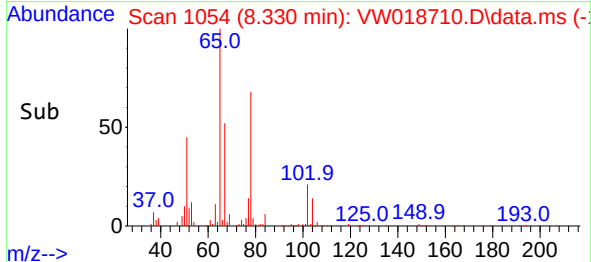
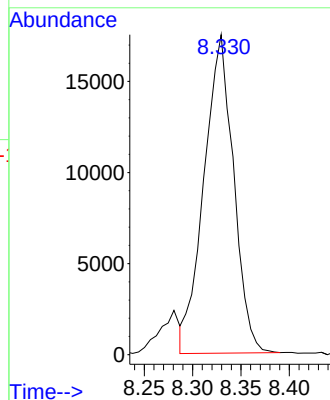
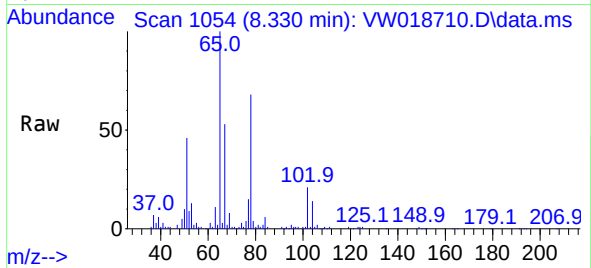




#33
Benzene
Concen: 1.41 ug/L
RT: 8.330 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VW018710.D
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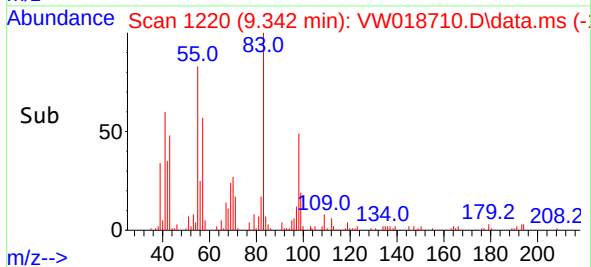
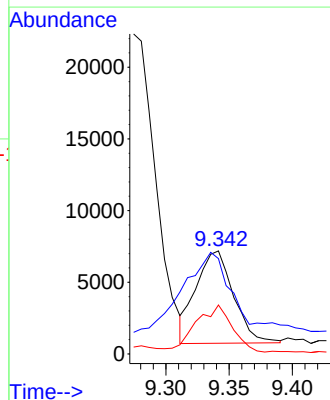
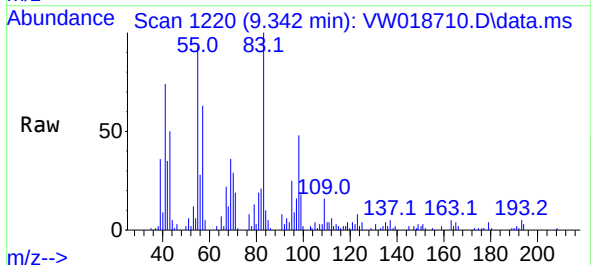
Instrument :
MSVOA_W
ClientSampled :

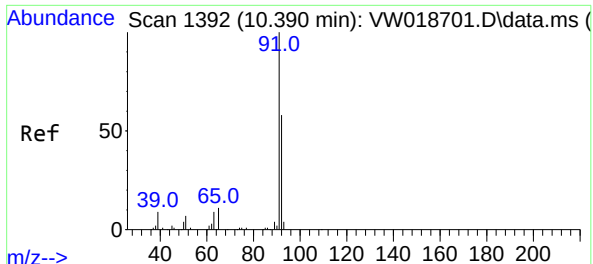
Tgt Ion: 78 Resp: 37228



#35
Methylcyclohexane
Concen: 1.13 ug/L
RT: 9.342 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

Tgt Ion: 83 Resp: 13331
Ion Ratio Lower Upper
83 100
55 120.7 58.9 88.3#
98 49.1 40.1 60.1

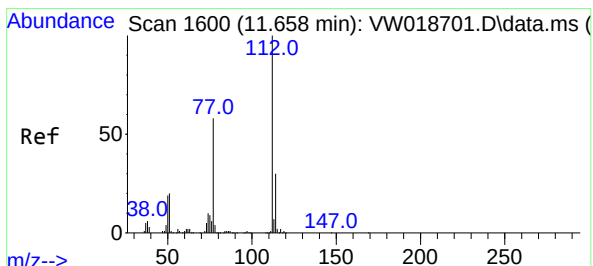
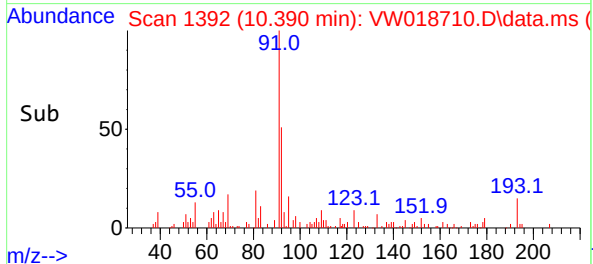
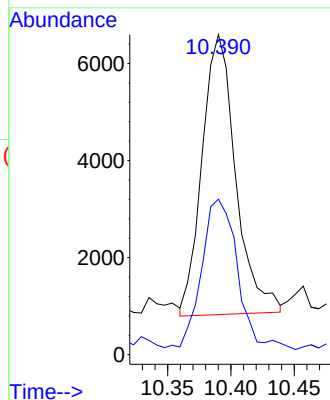
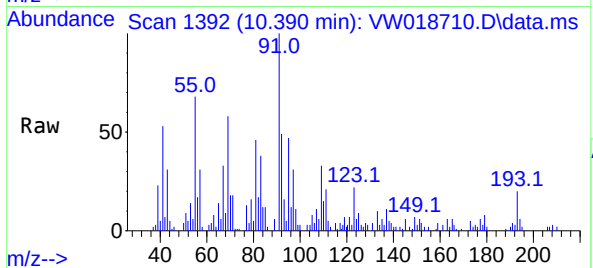




#42
Toluene
Concen: 0.38 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

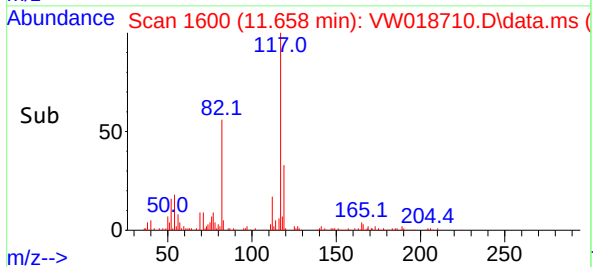
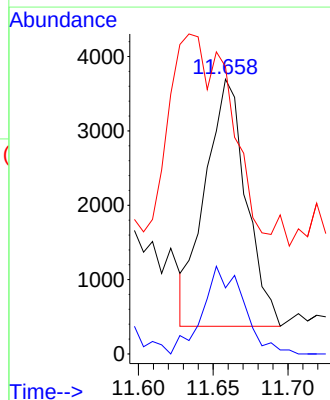
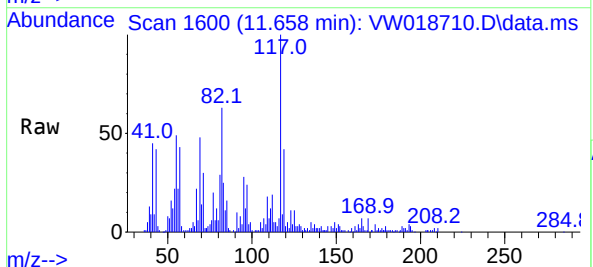
Instrument :
MSVOA_W
ClientSampled :

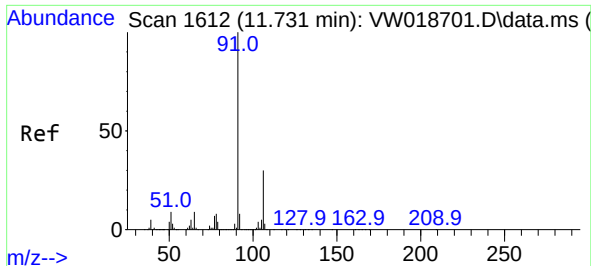
Tgt Ion: 91 Resp: 10681
Ion Ratio Lower Upper
91 100
92 48.6 39.5 73.3



#51
Chlorobenzene
Concen: 0.36 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

Tgt Ion: 112 Resp: 6348
Ion Ratio Lower Upper
112 100
114 24.1 23.4 43.6
77 104.6 47.6 71.4#

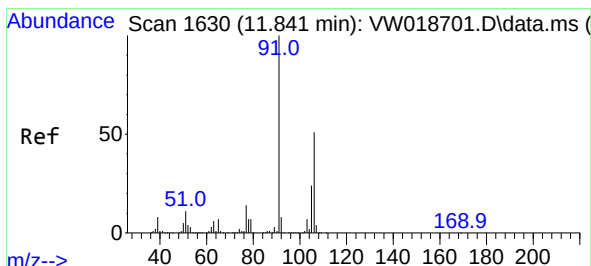
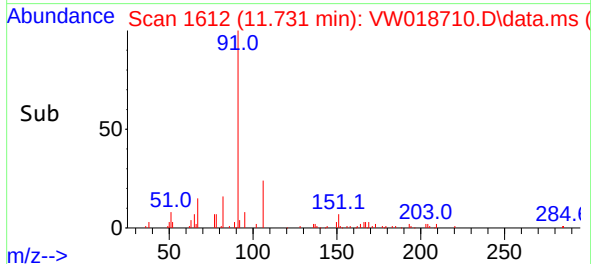
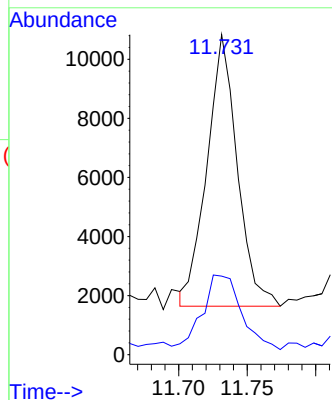
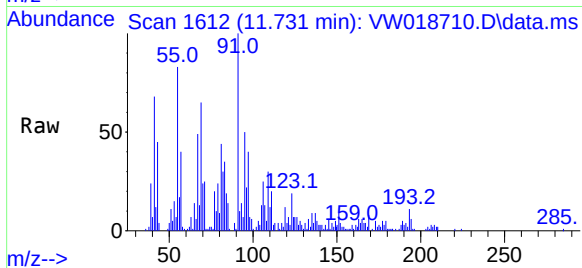




#52
Ethylbenzene
Concen: 0.45 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

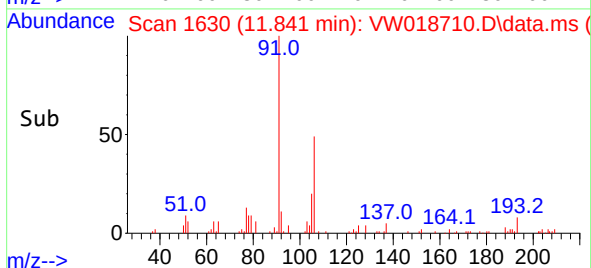
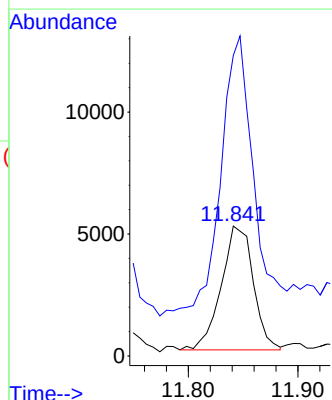
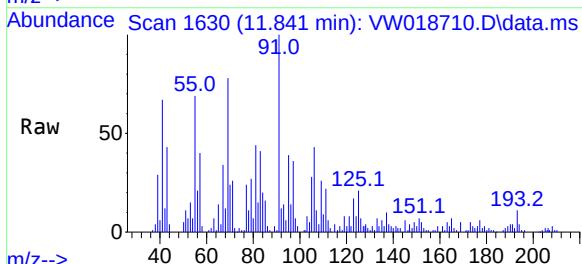
Instrument :
MSVOA_W
ClientSampled :

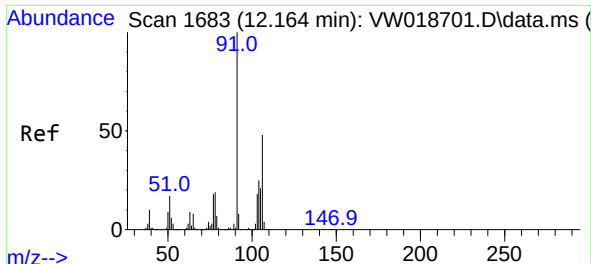
Tgt Ion: 91 Resp: 14167
Ion Ratio Lower Upper
91 100
106 24.5 22.5 41.7



#53
m,p-Xylene
Concen: 0.90 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. 0.000 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

Tgt Ion:106 Resp: 10328
Ion Ratio Lower Upper
106 100
91 231.2 141.3 262.3

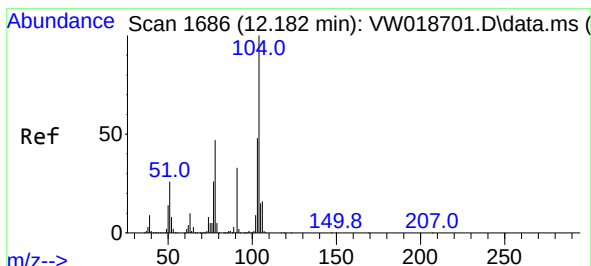
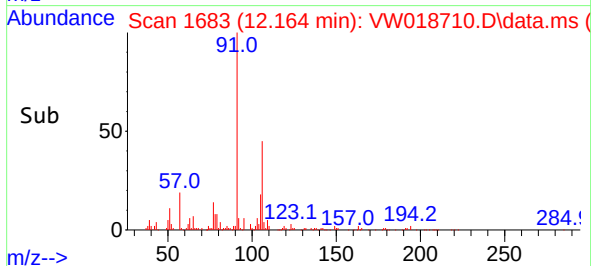
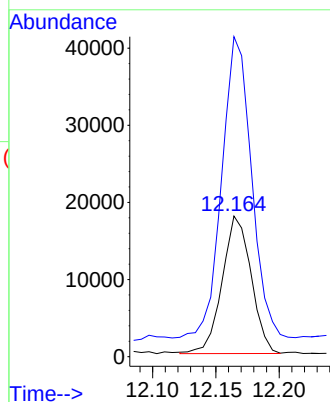
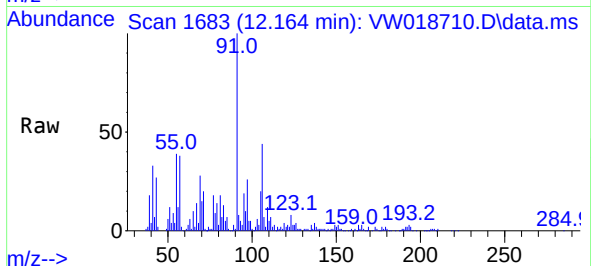




#54
o-Xylene
Concen: 2.58 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

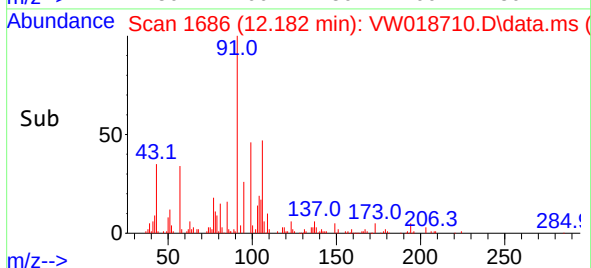
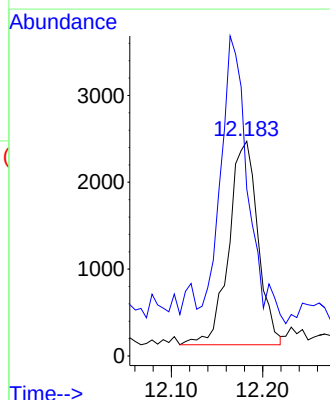
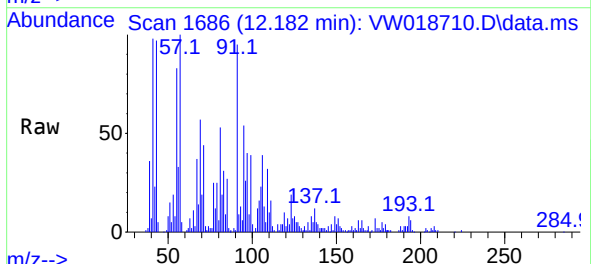
Instrument :
MSVOA_W
ClientSampled :

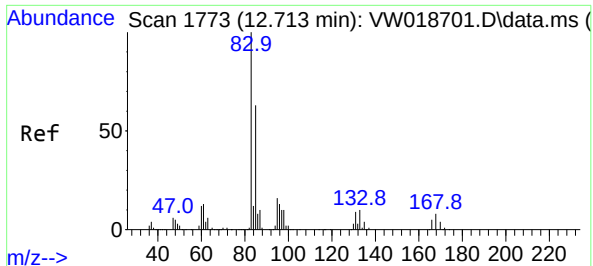
Tgt Ion:106 Resp: 28366
Ion Ratio Lower Upper
106 100
91 227.6 150.0 278.6



#55
Styrene
Concen: 0.27 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

Tgt Ion:104 Resp: 5189
Ion Ratio Lower Upper
104 100
78 77.8 32.5 60.3#

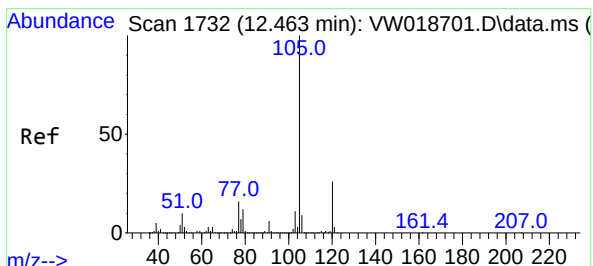
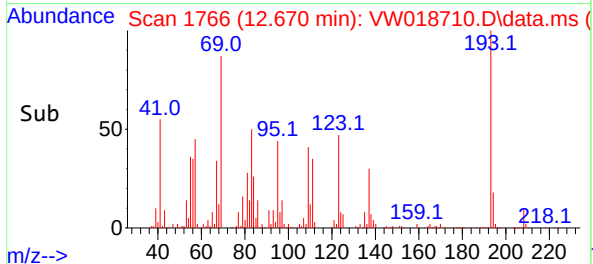
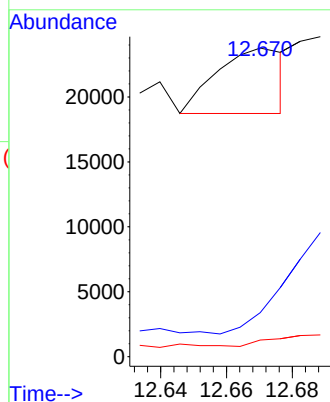
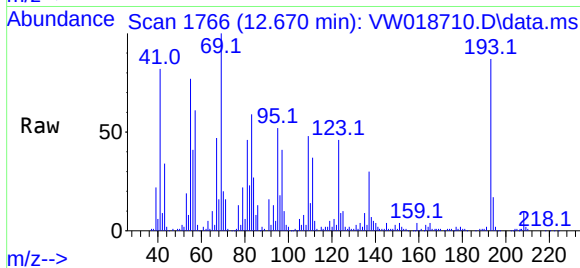




#57
1,1,2,2-Tetrachloroethane
Concen: 1.17 ug/L
RT: 12.670 min Scan# 1766
Delta R.T. -0.043 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

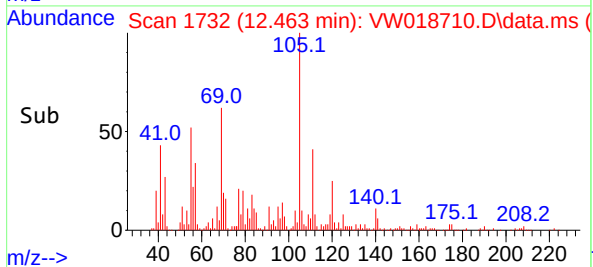
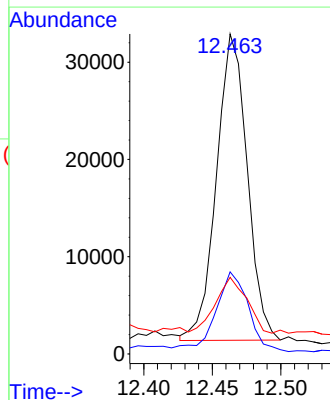
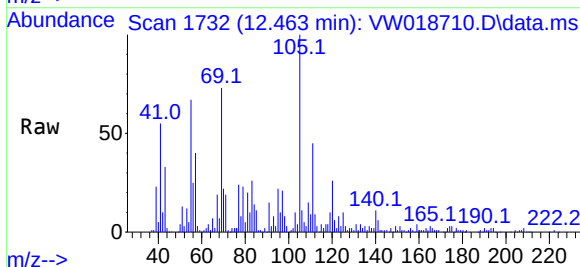
Instrument :
MSVOA_W
ClientSampleId :

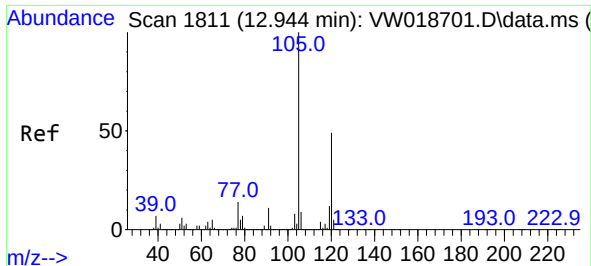
Tgt Ion: 83 Resp: 7192
Ion Ratio Lower Upper
83 100
85 14.3 44.4 82.4#
131 5.4 8.2 12.4#



#60
Isopropylbenzene
Concen: 2.36 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

Tgt Ion:105 Resp: 49192
Ion Ratio Lower Upper
105 100
120 26.1 21.1 31.7
77 18.8 13.2 19.8

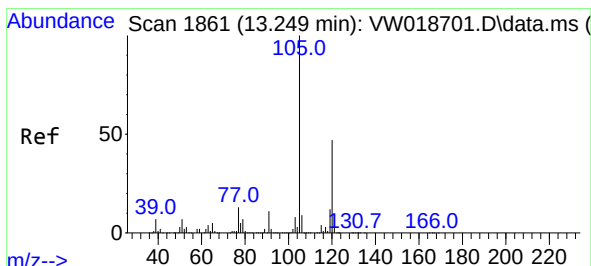
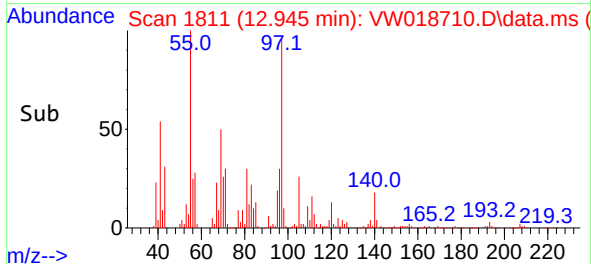
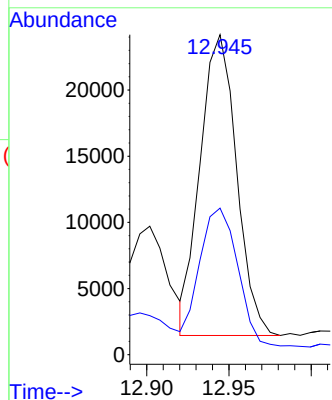
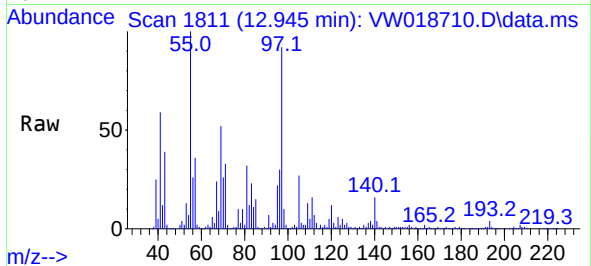




#62
1,3,5-Trimethylbenzene
Concen: 2.03 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

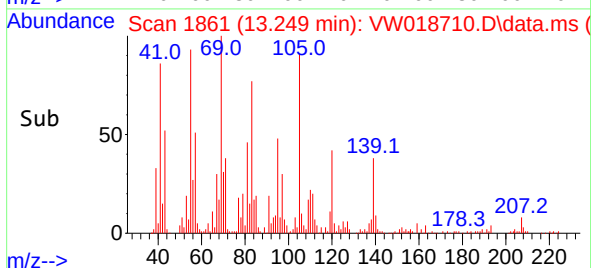
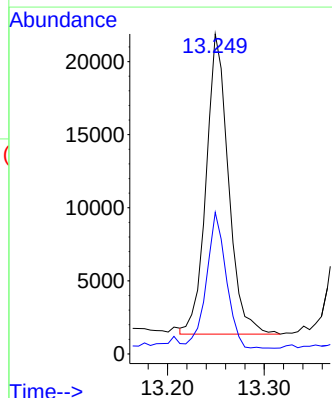
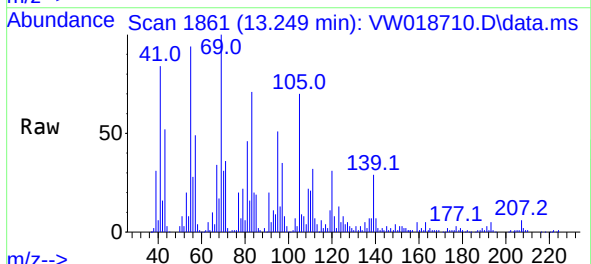
Instrument :
MSVOA_W
ClientSampled :

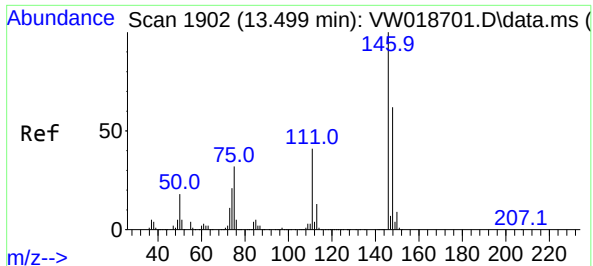
Tgt Ion:105 Resp: 34963
Ion Ratio Lower Upper
105 100
120 48.8 39.0 58.6



#63
1,2,4-Trimethylbenzene
Concen: 1.92 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

Tgt Ion:105 Resp: 33008
Ion Ratio Lower Upper
105 100
120 39.4 35.6 53.4

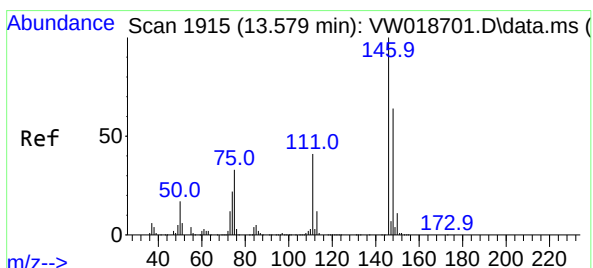
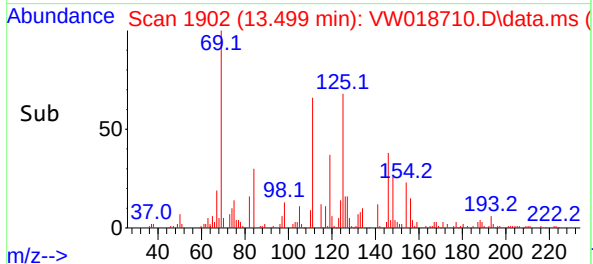
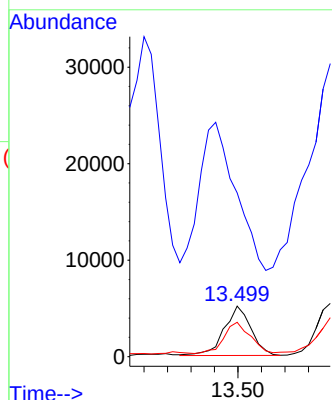
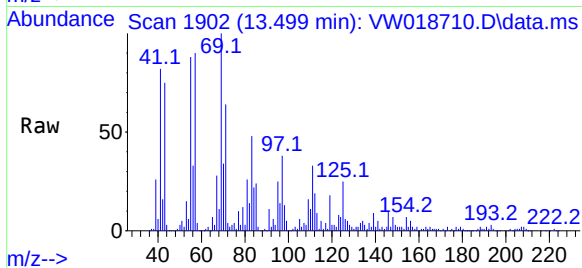




#64
1,3-Dichlorobenzene
Concen: 0.92 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

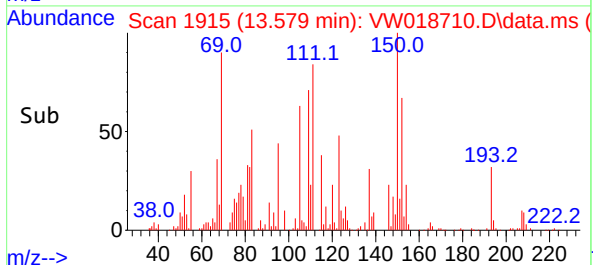
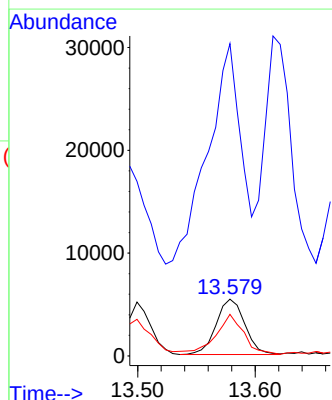
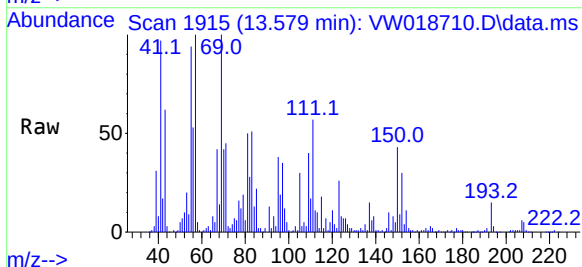
Instrument :
MSVOA_W
ClientSampled :

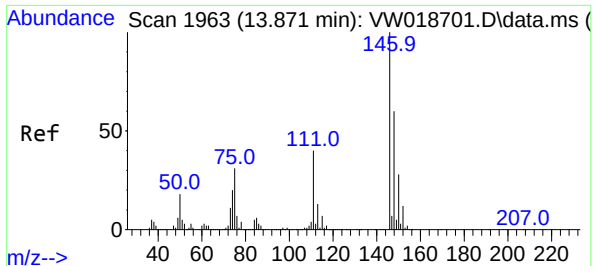
Tgt Ion:146 Resp: 8109
Ion Ratio Lower Upper
146 100
111 323.6 26.7 49.7#
148 67.9 41.1 76.3



#65
1,4-Dichlorobenzene
Concen: 1.02 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

Tgt Ion:146 Resp: 9086
Ion Ratio Lower Upper
146 100
111 549.7 28.8 53.4#
148 73.2 46.8 87.0

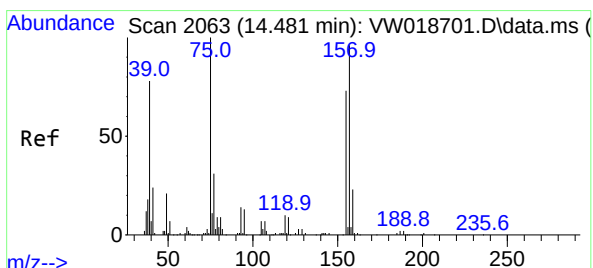
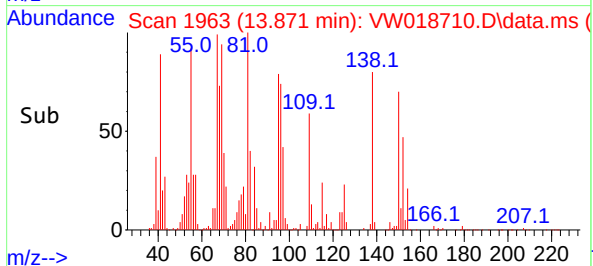
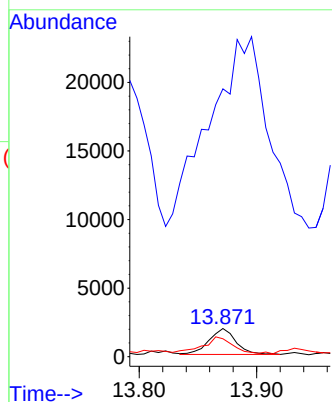
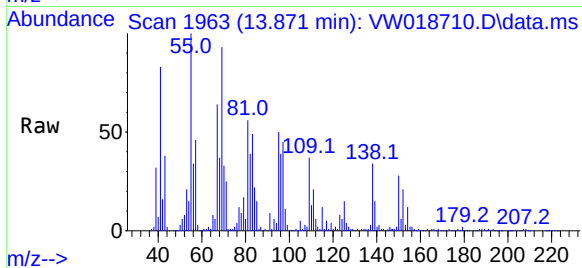




#67
1,2-Dichlorobenzene
Concen: 0.37 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

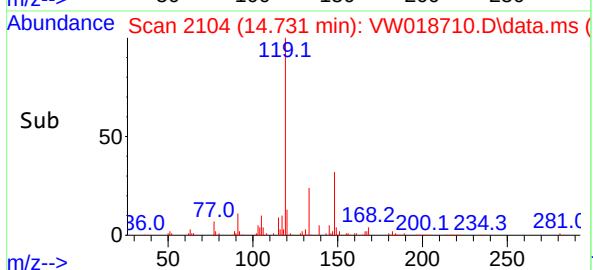
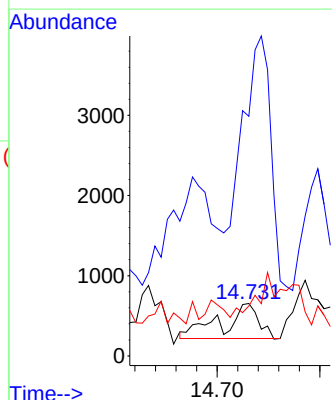
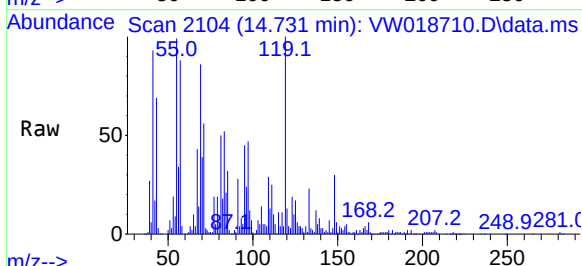
Instrument :
MSVOA_W
ClientSampleId :

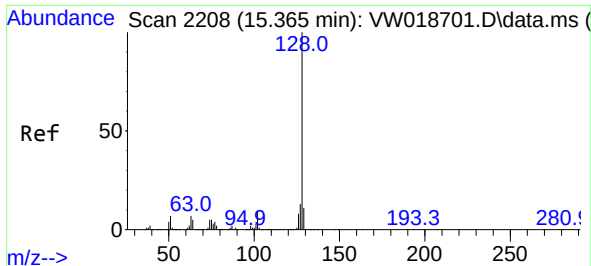
Tgt Ion:146 Resp: 2976
Ion Ratio Lower Upper
146 100
111 948.4 33.2 49.8#
148 63.7 50.4 75.6



#68
1,2-Dibromo-3-chloropropane
Concen: 1.61 ug/L
RT: 14.731 min Scan# 2104
Delta R.T. 0.250 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

Tgt Ion: 75 Resp: 1081
Ion Ratio Lower Upper
75 100
155 456.3 59.4 89.0#
157 95.1 72.2 108.2

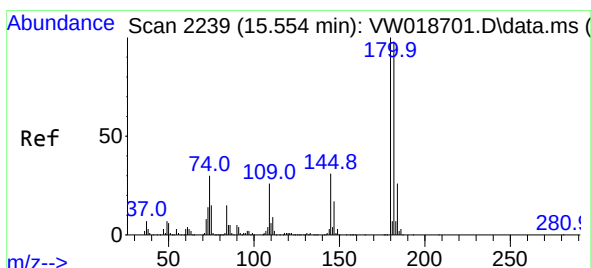
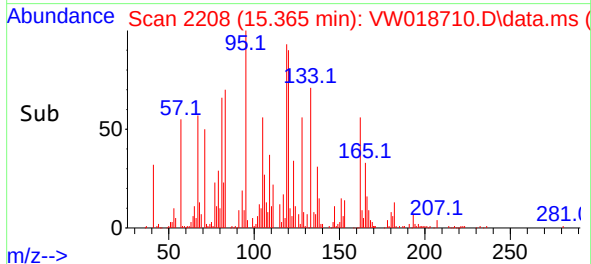
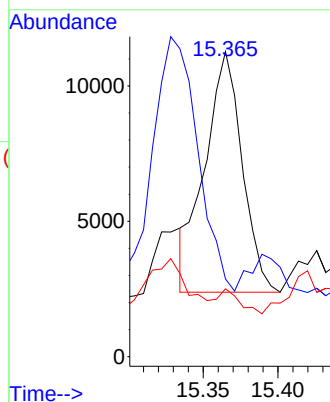
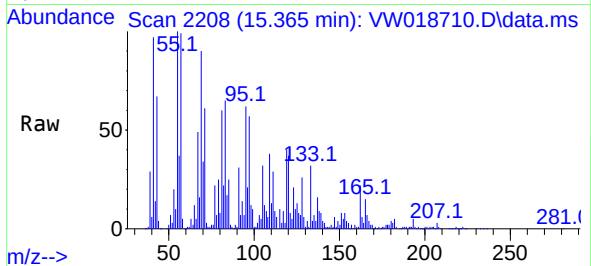




#71
Naphthalene
Concen: 1.43 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion:128 Resp: 15424
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 6.1 9.0 13.6#



#72
1,2,3-Trichlorobenzene
Concen: 1.02 ug/L
RT: 15.572 min Scan# 2242
Delta R.T. 0.018 min
Lab File: VW018710.D
Acq: 21 Apr 2021 14:21

Tgt Ion:180 Resp: 4611
Ion Ratio Lower Upper
180 100
182 53.5 76.7 115.1#
145 0.0 28.9 43.3#

