

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020314.D
 Acq On : 06 Oct 2021 14:12
 Operator : SY/VA
 Sample : M3974-01RE
 Misc : 5.14g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Oct 07 01:52:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 07 01:49:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	259623	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	211490	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	72153	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	51673	14.441	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	57.760%
7) Chloroethane-d5	2.885	69	27609	17.807	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.240%
11) 1,1-Dichloroethene-d2	4.013	63	82629	11.214	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	44.840%#
21) 2-Butanone-d5	7.086	46	16083	17.694	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	35.380%
24) Chloroform-d	7.653	84	168583	22.614	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.440%
26) 1,2-Dichloroethane-d4	8.311	65	99960	24.501	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	8.275	84	310762	24.269	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.080%
36) 1,2-Dichloropropane-d6	9.274	67	111796	27.525	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.120%
41) Toluene-d8	10.323	98	242853	20.940	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.760%
43) trans-1,3-Dichloroprop...	10.579	79	24647	14.914	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	59.640%
47) 2-Hexanone-d5	10.926	63	11892	21.184	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	42.360%
56) 1,1,2,2-Tetrachloroeth...	12.688	84	68578	24.192	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.760%
66) 1,2-Dichlorobenzene-d4	13.853	152	52438	20.755	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	83.000%
Target Compounds						
					Qvalue	
13) Acetone	4.141	43	7106	7.604	ug/L	94
14) Carbon disulfide	4.385	76	3938	0.332	ug/L	97
15) Methyl Acetate	4.684	43	2146	1.257	ug/L	93
16) Methylene chloride	4.921	84	8089	1.745	ug/L	89
20) cis-1,2-Dichloroethene	7.171	96	11014	2.848	ug/L	92
29) Cyclohexane	7.951	56	14775	2.350	ug/L	89
33) Benzene	8.329	78	7796	0.530	ug/L	100
34) Trichloroethene	9.098	95	6003	1.659	ug/L	94
35) Methylcyclohexane	9.335	83	57844	9.165	ug/L #	86
42) Toluene	10.390	91	9882	0.668	ug/L	99
45) 1,1,2-Trichloroethane	10.762	97	15249	6.578	ug/L #	22
46) Tetrachloroethene	10.866	164	2494	0.937	ug/L	86
52) Ethylbenzene	11.731	91	6601	0.409	ug/L	91
53) m,p-Xylene	11.841	106	3729	0.625	ug/L	99
54) o-Xylene	12.164	106	17171	3.074	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.701	83	2343	0.850	ug/L #	80
60) Isopropylbenzene	12.896	105	98355	9.182	ug/L	92
62) 1,3,5-Trimethylbenzene	12.944	105	21044	2.428	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	63507	7.332	ug/L	97

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ClientSampleId :

Quant Time: Oct 07 01:52:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Oct 07 01:49:38 2021
Response via : Initial Calibration

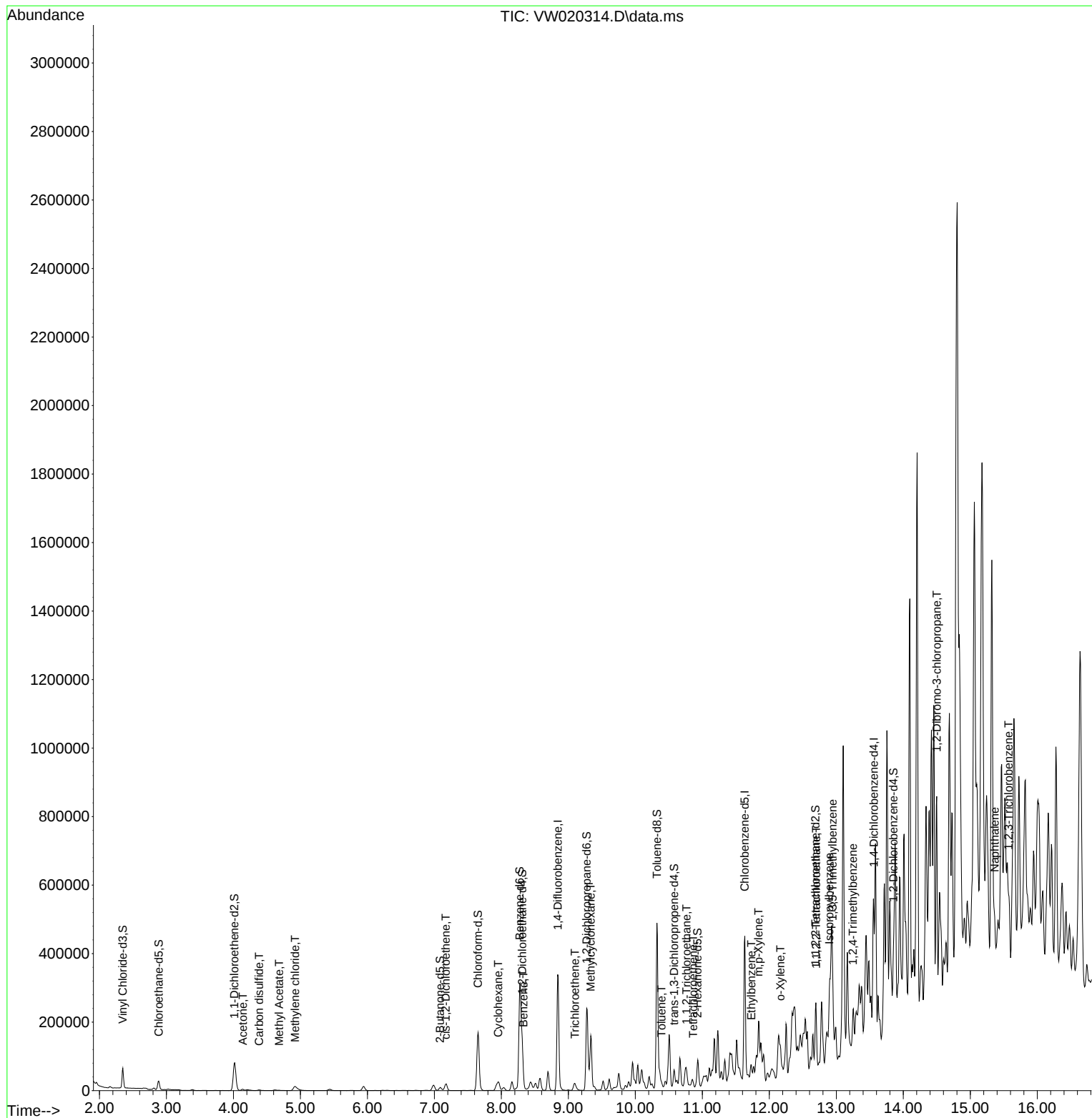
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1,2-Dibromo-3-chloropr...	14.499	75	1300	4.283	ug/L #	35
71) Naphthalene	15.365	128	104278	23.980	ug/L #	95
72) 1,2,3-Trichlorobenzene	15.572	180	1776	0.814	ug/L #	75

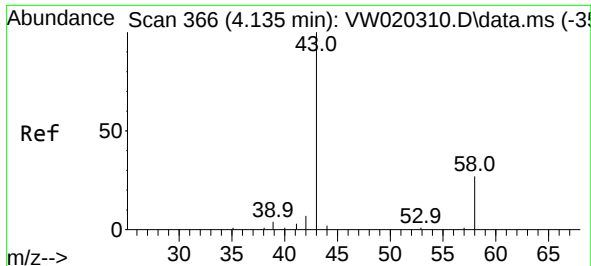
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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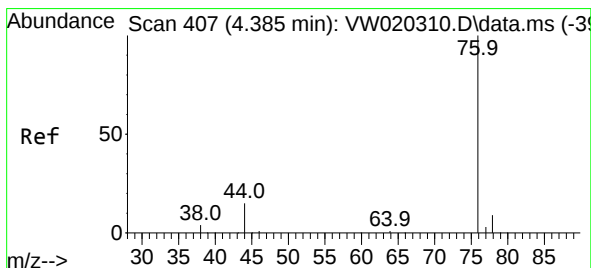
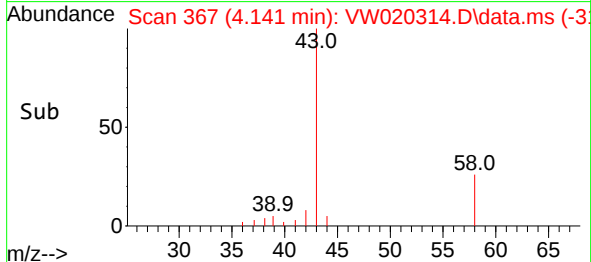
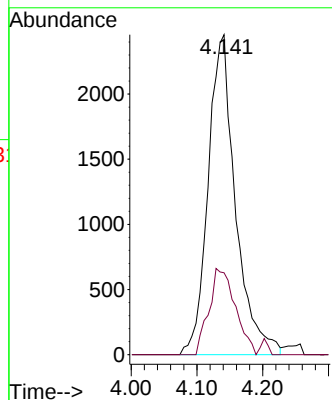
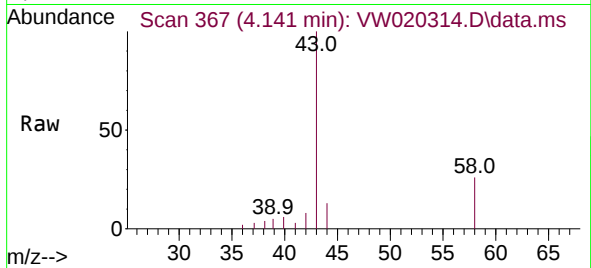




#13
Acetone
Concen: 7.604 ug/L
RT: 4.141 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

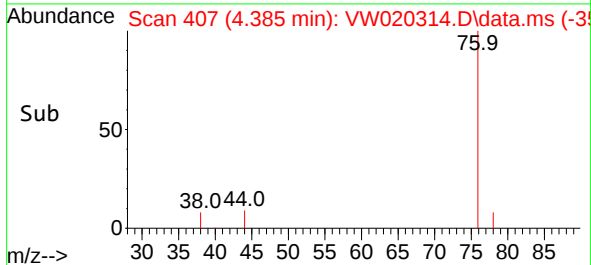
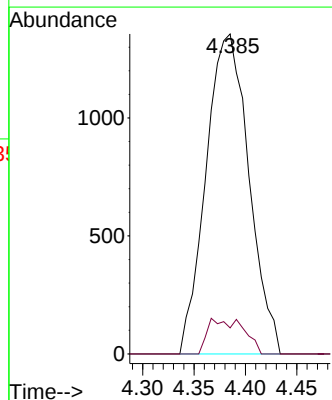
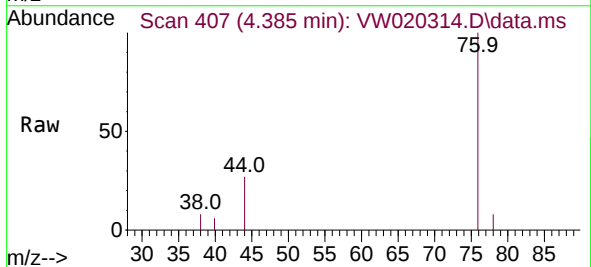
Instrument :
MSVOA_W
ClientSampled :

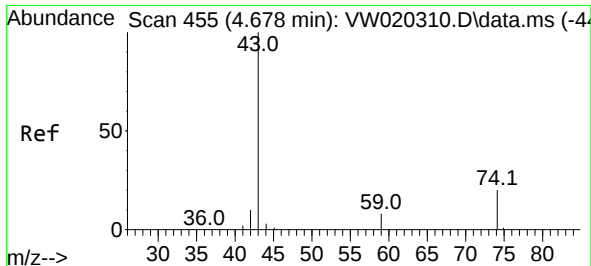
Tgt Ion: 43 Resp: 7106
Ion Ratio Lower Upper
43 100
58 25.9 0.0 58.4



#14
Carbon disulfide
Concen: 0.332 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Tgt Ion: 76 Resp: 3938
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.2

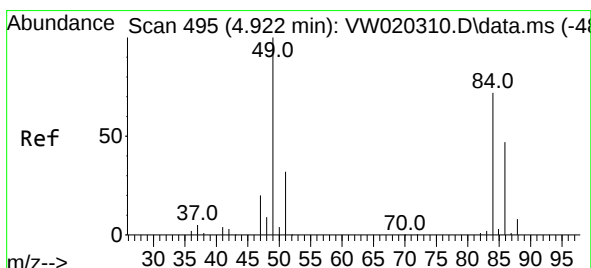
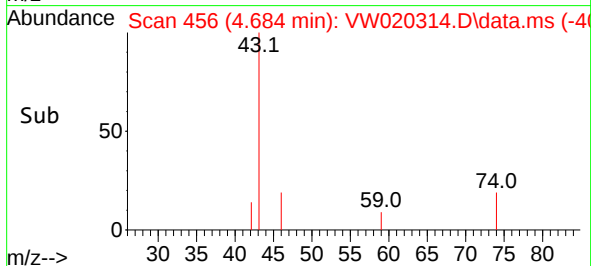
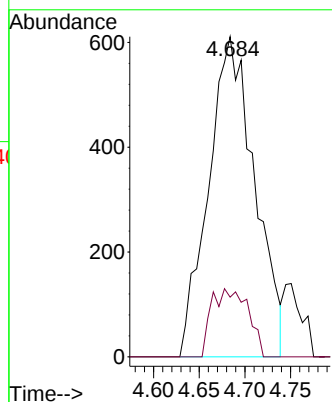
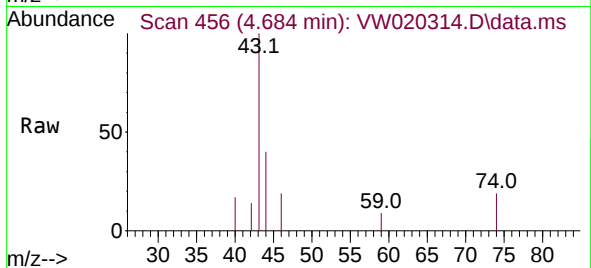




#15
Methyl Acetate
Concen: 1.257 ug/L
RT: 4.684 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

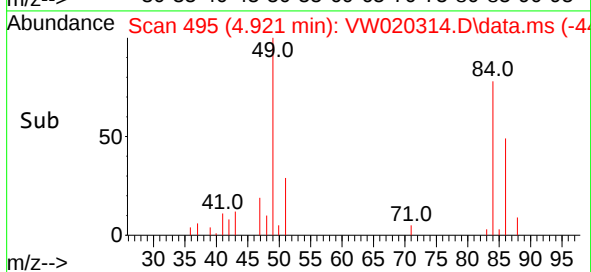
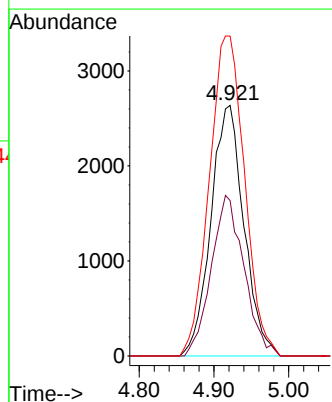
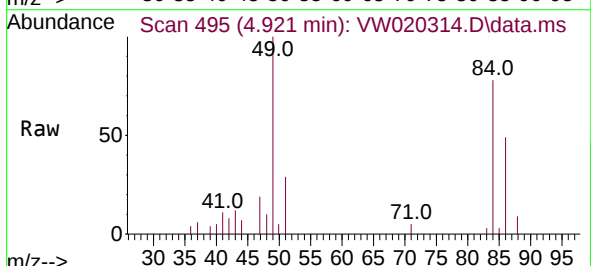
Instrument :
MSVOA_W
ClientSampled :

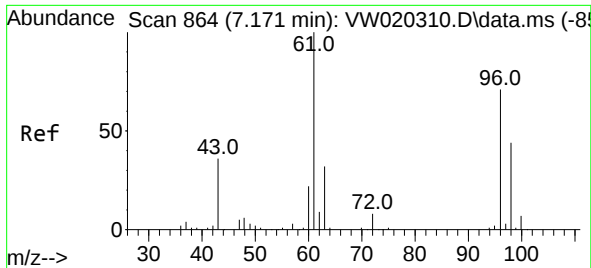
Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
74 16.8 16.1 24.1



#16
Methylene chloride
Concen: 1.745 ug/L
RT: 4.921 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Tgt Ion: 84 Resp: 8089
Ion Ratio Lower Upper
84 100
86 62.0 44.7 83.1
49 127.6 101.7 188.9

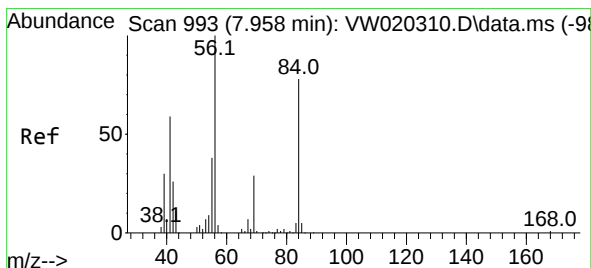
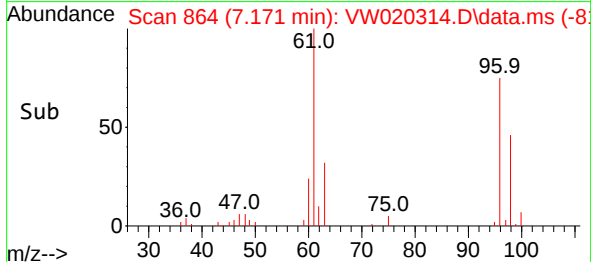
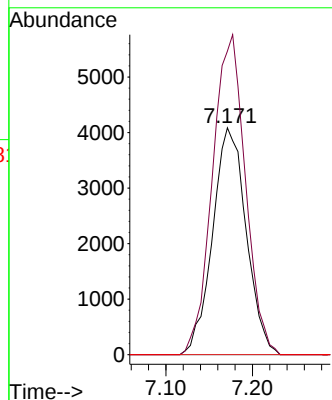
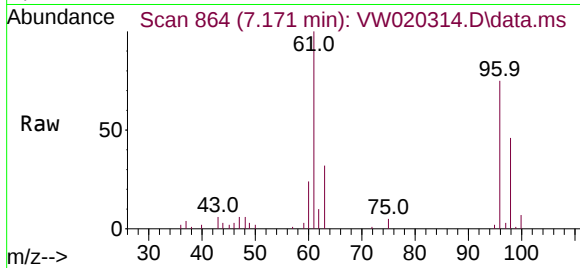




#20
cis-1,2-Dichloroethene
Concen: 2.848 ug/L
RT: 7.171 min Scan# 864
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

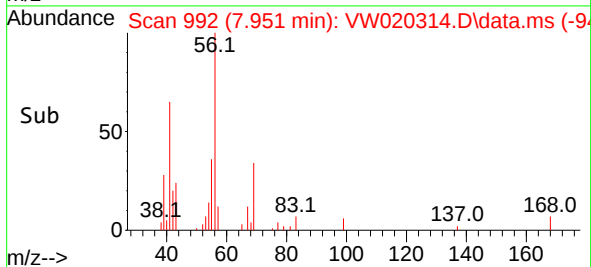
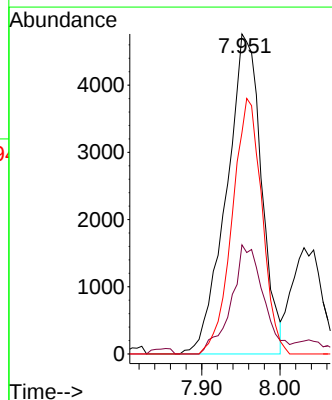
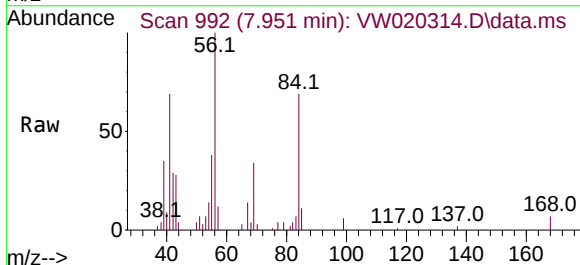
Instrument :
MSVOA_W
ClientSampled :

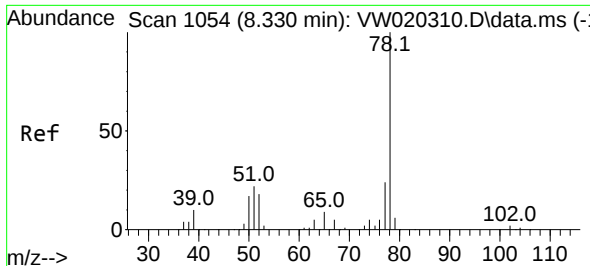
Tgt Ion: 96 Resp: 11014
Ion Ratio Lower Upper
96 100
61 133.8 100.3 186.3
68 0.0 0.0 0.0



#29
Cyclohexane
Concen: 2.350 ug/L
RT: 7.951 min Scan# 992
Delta R.T. -0.006 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Tgt Ion: 56 Resp: 14775
Ion Ratio Lower Upper
56 100
69 31.4 23.2 34.8
84 67.8 63.7 95.5

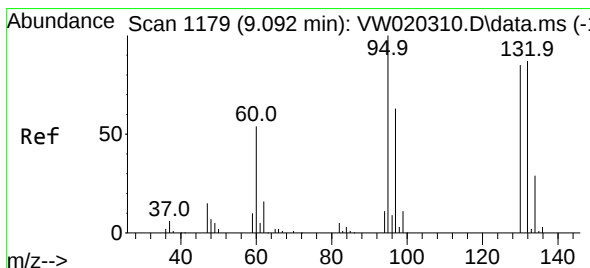
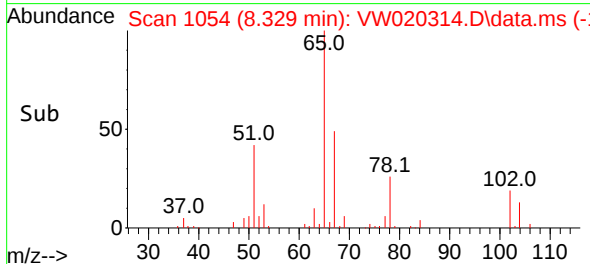
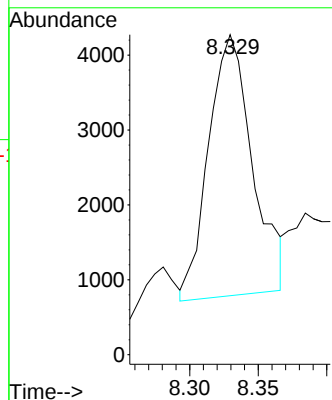
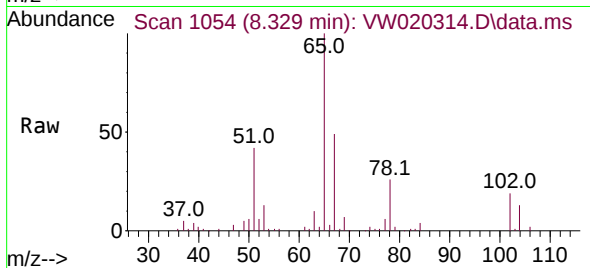




#33
Benzene
Concen: 0.530 ug/L
RT: 8.329 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Instrument :
MSVOA_W
ClientSampleId :

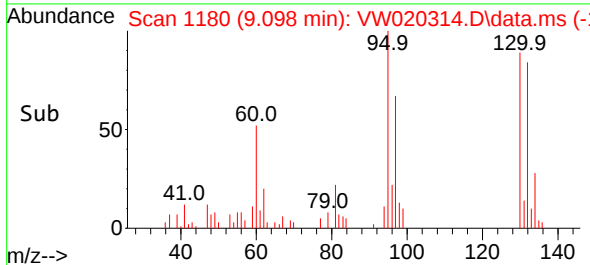
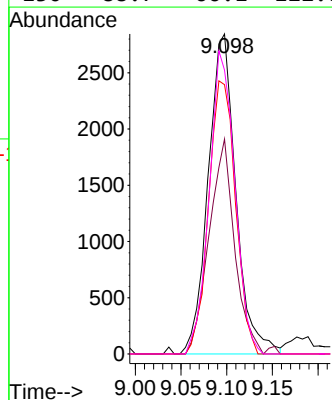
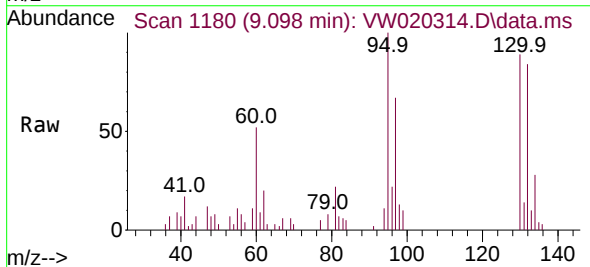
Tgt Ion: 78 Resp: 7796

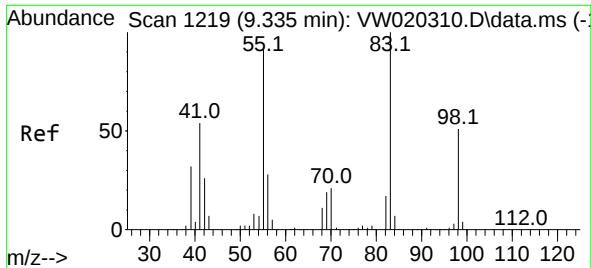


#34
Trichloroethene
Concen: 1.659 ug/L
RT: 9.098 min Scan# 1180
Delta R.T. 0.006 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Tgt Ion: 95 Resp: 6003

Ion	Ratio	Lower	Upper
95	100		
97	67.1	43.2	80.2
132	84.1	62.3	115.7
130	88.7	66.1	122.7

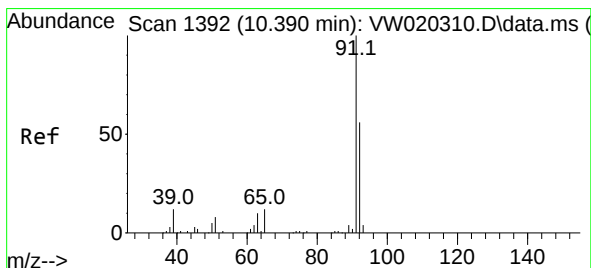
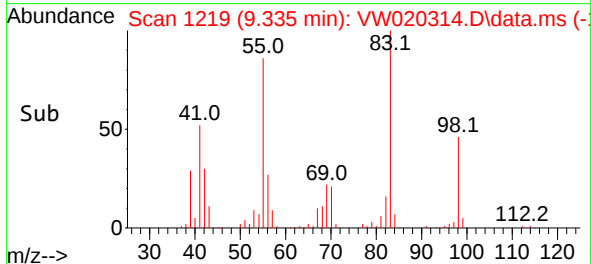
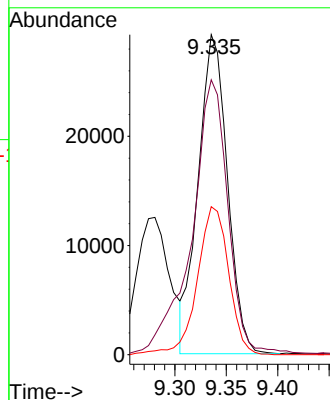
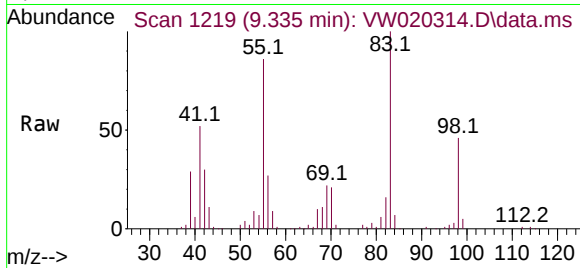




#35
Methylcyclohexane
Concen: 9.165 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

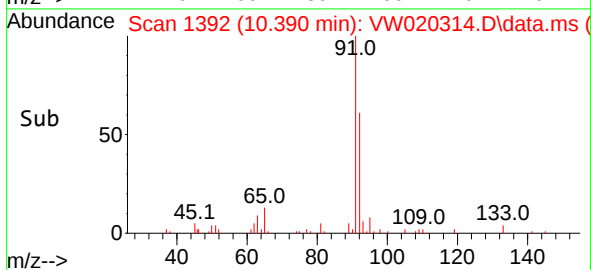
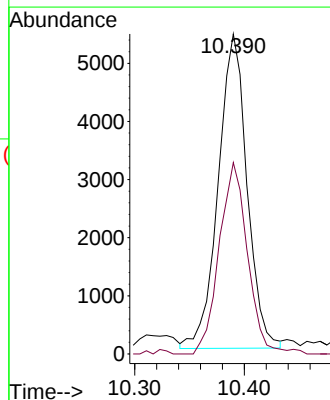
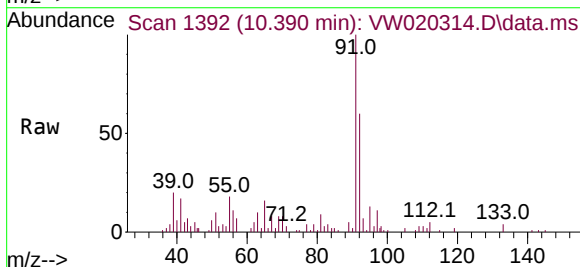
Instrument :
MSVOA_W
ClientSampled :

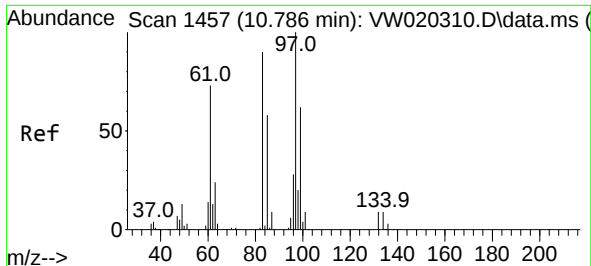
Tgt Ion: 83 Resp: 57844
Ion Ratio Lower Upper
83 100
55 105.5 69.7 104.5#
98 50.0 38.2 57.2



#42
Toluene
Concen: 0.668 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Tgt Ion: 91 Resp: 9882
Ion Ratio Lower Upper
91 100
92 59.8 41.5 77.1





#45

1,1,2-Trichloroethane

Concen: 6.578 ug/L

RT: 10.762 min Scan# 1453

Delta R.T. -0.025 min

Lab File: VW020314.D

Acq: 06 Oct 2021 14:12

Tgt Ion: 97 Resp: 15249

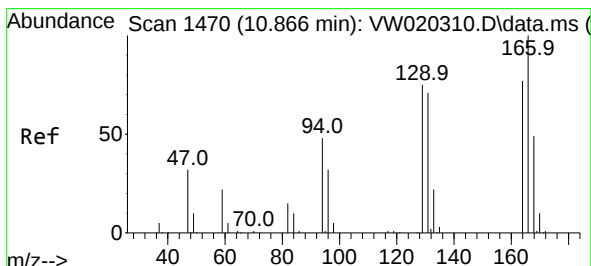
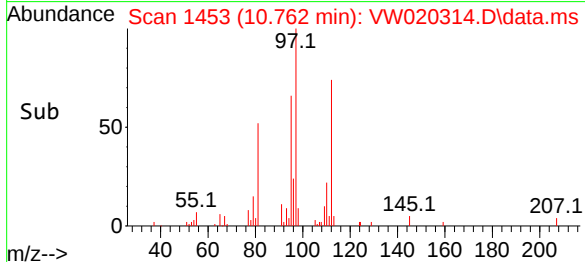
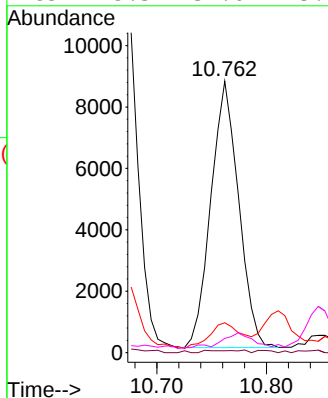
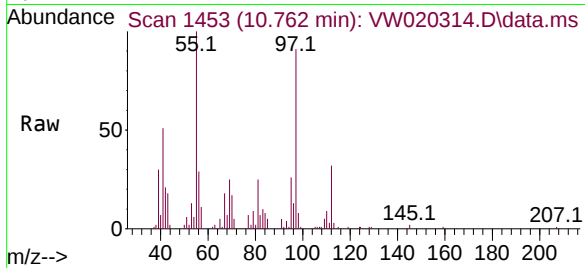
Ion Ratio Lower Upper

97 100

99 0.7 42.8 79.4#

83 11.0 60.9 113.1#

85 5.3 39.6 73.6#



#46

Tetrachloroethene

Concen: 0.937 ug/L

RT: 10.866 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VW020314.D

Acq: 06 Oct 2021 14:12

Tgt Ion:164 Resp: 2494

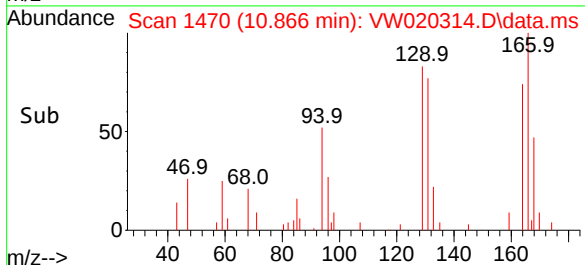
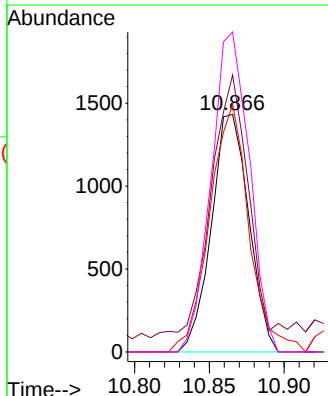
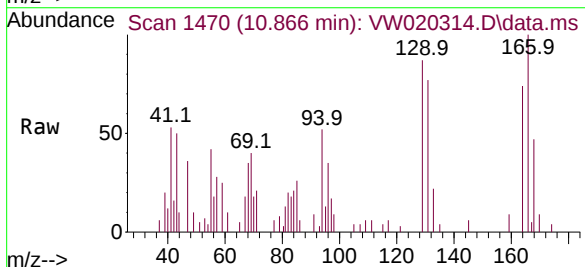
Ion Ratio Lower Upper

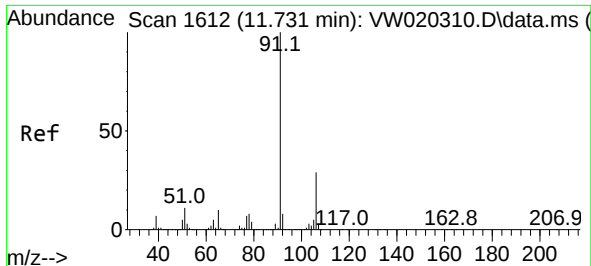
164 100

129 116.5 69.1 128.3

131 104.3 58.3 108.3

166 134.7 90.4 168.0

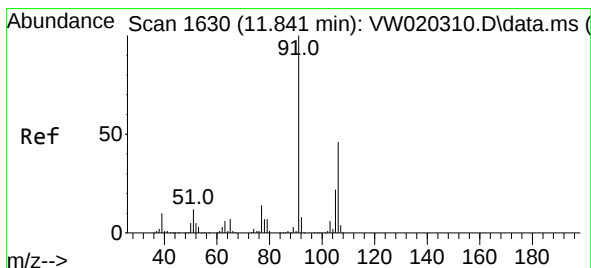
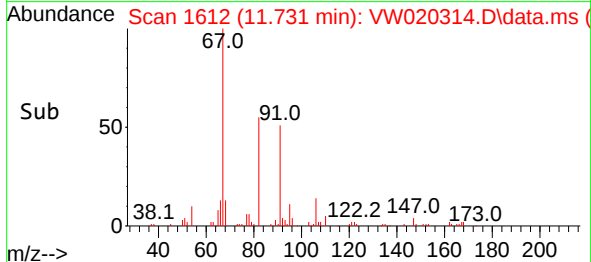
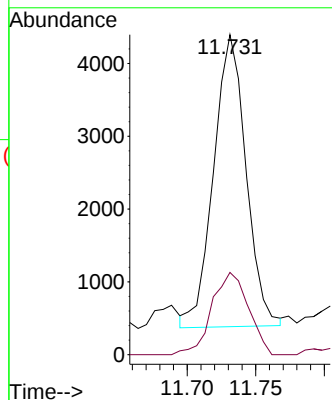
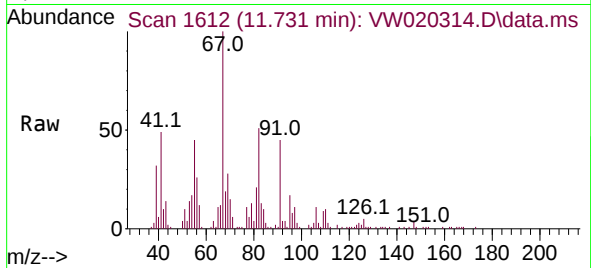




#52
Ethylbenzene
Concen: 0.409 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

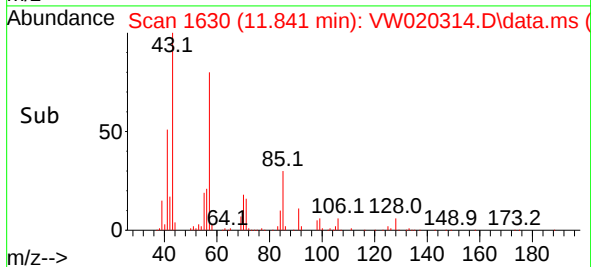
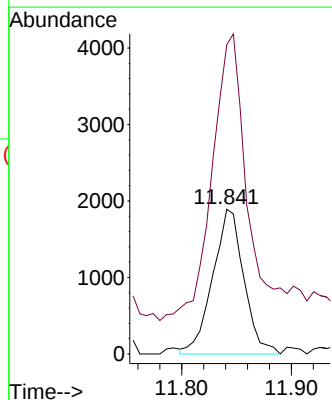
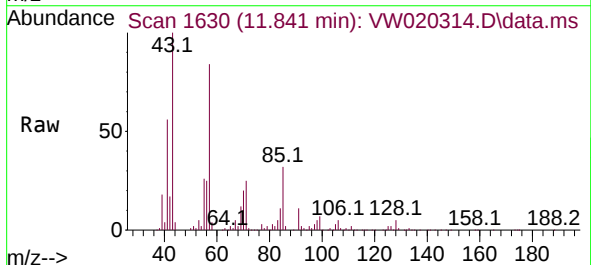
Instrument :
MSVOA_W
ClientSampled :

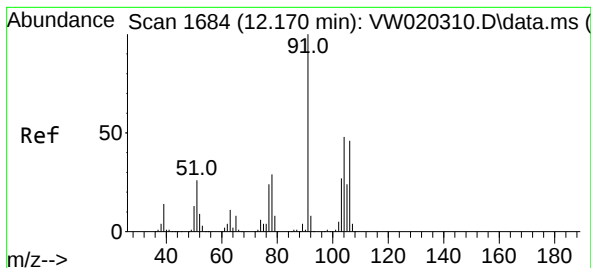
Tgt Ion: 91 Resp: 6601
Ion Ratio Lower Upper
91 100
106 25.7 21.3 39.5



#53
m,p-Xylene
Concen: 0.625 ug/L
RT: 11.841 min Scan# 1630
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Tgt Ion:106 Resp: 3729
Ion Ratio Lower Upper
106 100
91 213.8 148.2 275.2

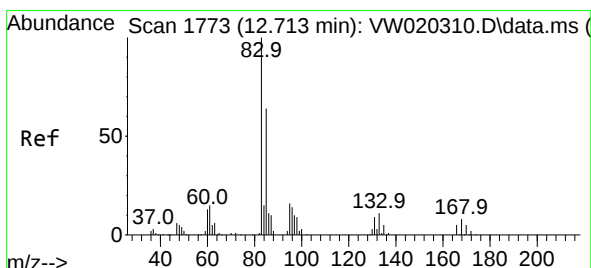
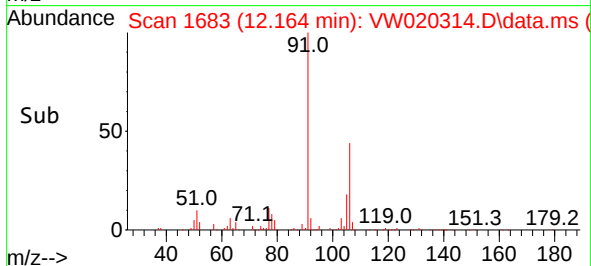
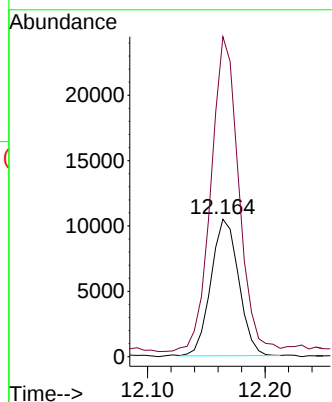
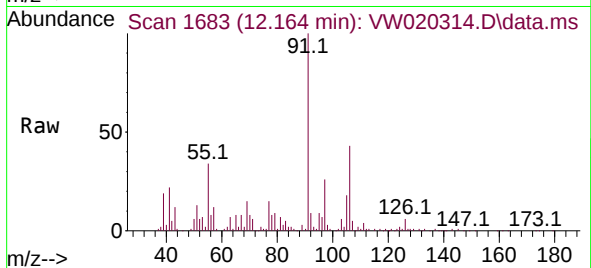




#54
o-Xylene
Concen: 3.074 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. -0.006 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

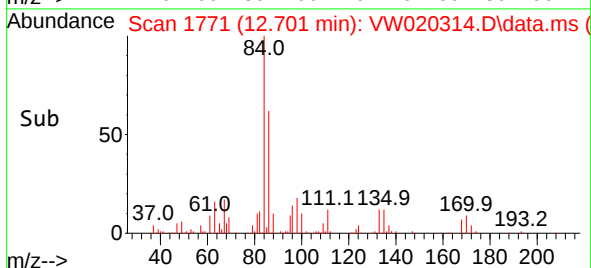
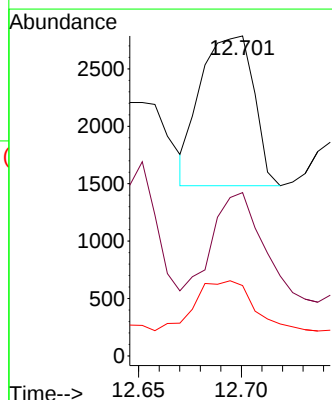
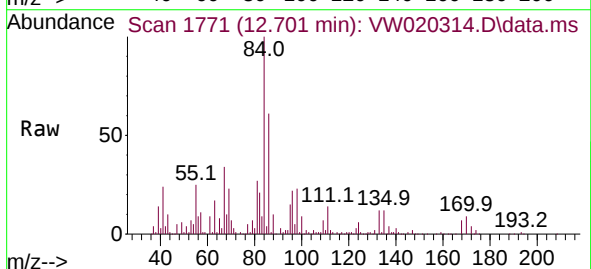
Instrument :
MSVOA_W
ClientSampled :

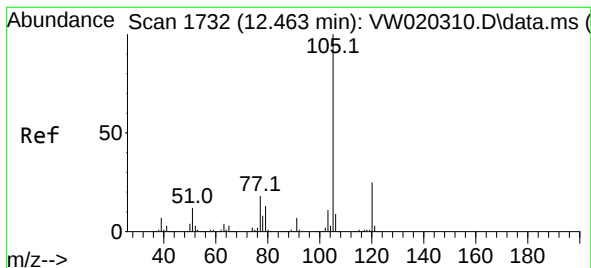
Tgt Ion:106 Resp: 17171
Ion Ratio Lower Upper
106 100
91 232.9 156.1 289.9



#57
1,1,2,2-Tetrachloroethane
Concen: 0.850 ug/L
RT: 12.701 min Scan# 1771
Delta R.T. -0.012 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Tgt Ion: 83 Resp: 2343
Ion Ratio Lower Upper
83 100
85 51.1 45.9 85.3
131 22.0 7.4 11.2#

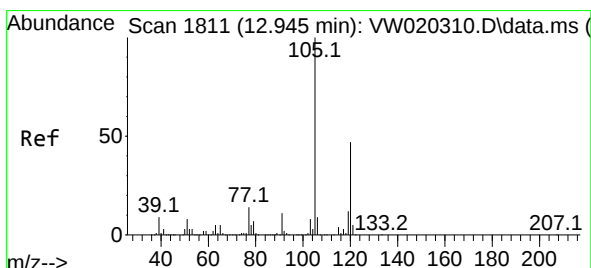
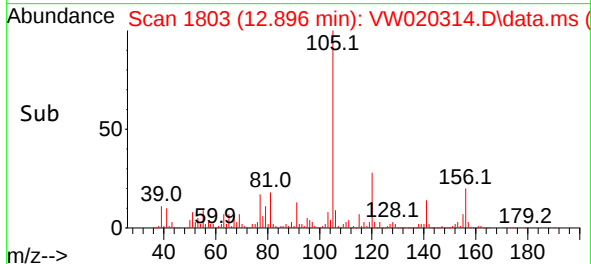
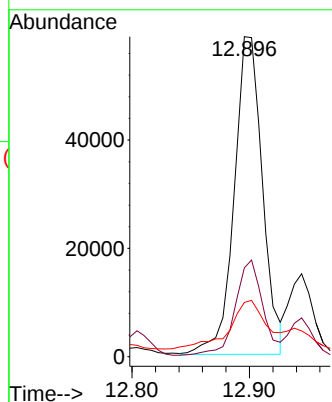
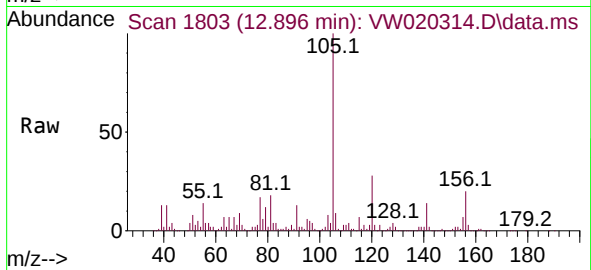




#60
Isopropylbenzene
Concen: 9.182 ug/L
RT: 12.896 min Scan# 1803
Delta R.T. 0.433 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

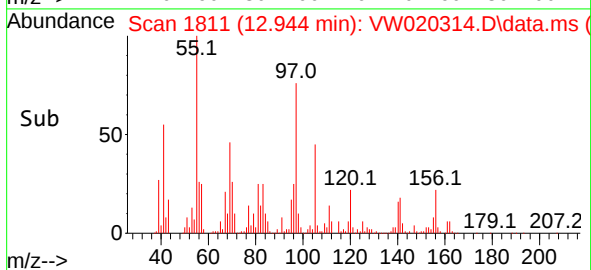
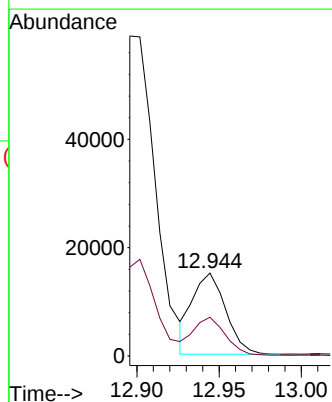
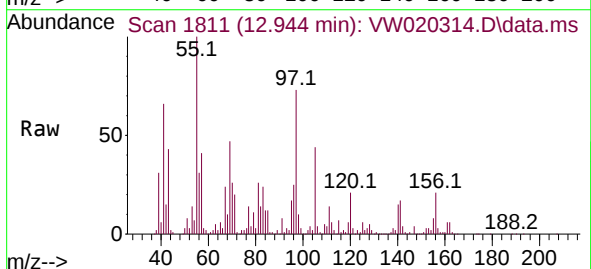
Instrument :
MSVOA_W
ClientSampleId :

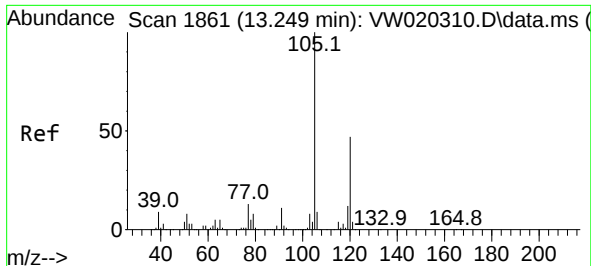
Tgt Ion:105 Resp: 98355
Ion Ratio Lower Upper
105 100
120 29.8 20.3 30.5
77 19.8 13.8 20.6



#62
1,3,5-Trimethylbenzene
Concen: 2.428 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Tgt Ion:105 Resp: 21044
Ion Ratio Lower Upper
105 100
120 45.3 37.9 56.9

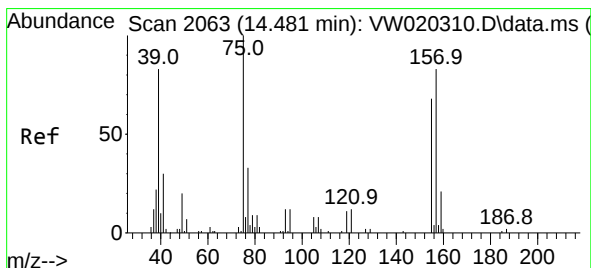
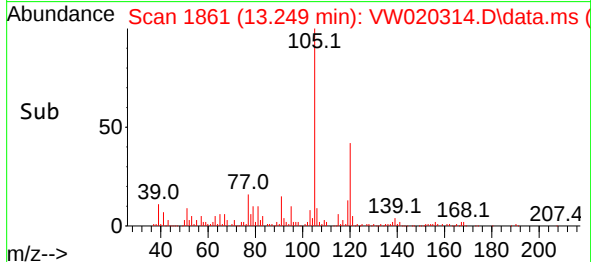
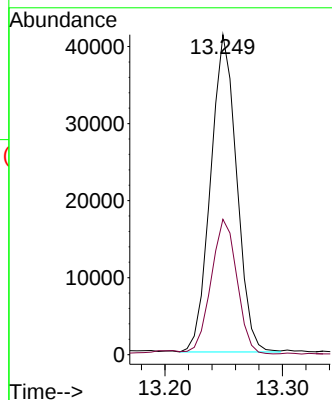
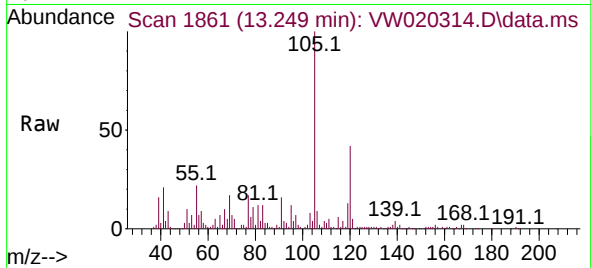




#63
1,2,4-Trimethylbenzene
Concen: 7.332 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

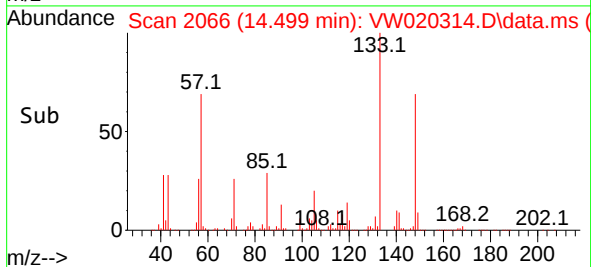
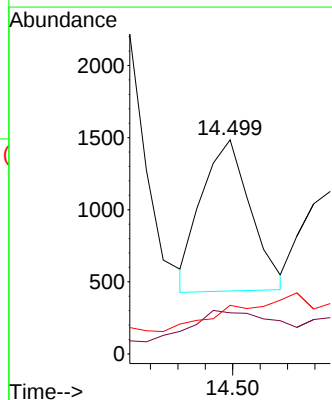
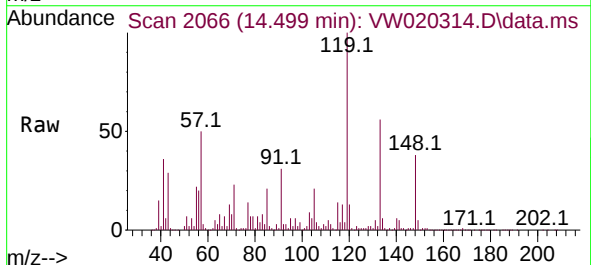
Instrument :
MSVOA_W
ClientSampleId :

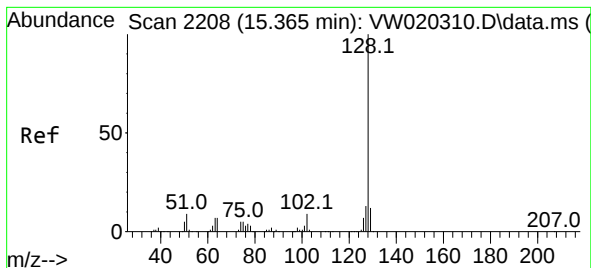
Tgt Ion:105 Resp: 63507
Ion Ratio Lower Upper
105 100
120 42.1 35.4 53.2



#68
1,2-Dibromo-3-chloropropane
Concen: 4.283 ug/L
RT: 14.499 min Scan# 2066
Delta R.T. 0.018 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Tgt Ion: 75 Resp: 1300
Ion Ratio Lower Upper
75 100
155 19.2 51.4 77.0#
157 22.7 70.8 106.2#

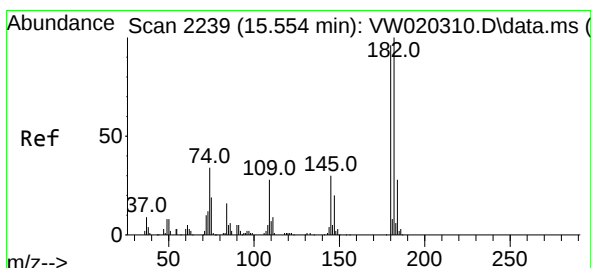
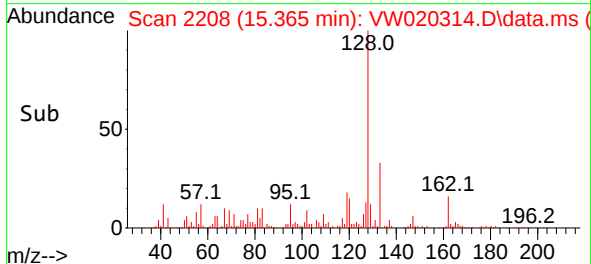
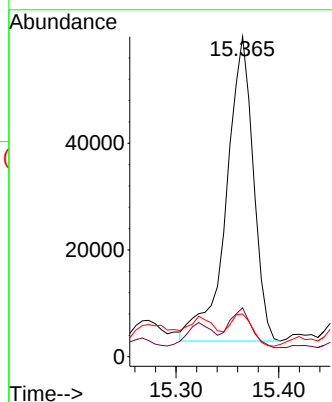
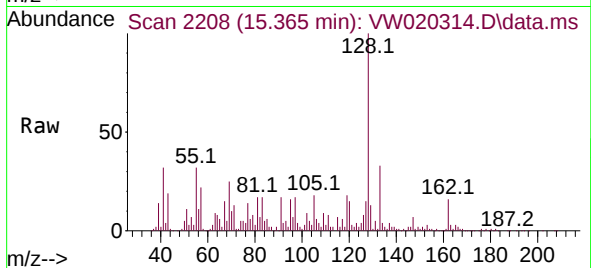




#71
Naphthalene
Concen: 23.980 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:128 Resp: 104278
Ion Ratio Lower Upper
128 100
127 11.9 10.5 15.7
129 8.4 8.7 13.1#



#72
1,2,3-Trichlorobenzene
Concen: 0.814 ug/L
RT: 15.572 min Scan# 2242
Delta R.T. 0.018 min
Lab File: VW020314.D
Acq: 06 Oct 2021 14:12

Tgt Ion:180 Resp: 1776
Ion Ratio Lower Upper
180 100
182 106.6 74.8 112.2
145 0.0 26.2 39.4#

