

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050321\
 Data File : VW018909.D
 Acq On : 03 May 2021 19:21
 Operator : SY/VA
 Sample : M2209-20
 Misc : 4.80G/10ML/MSVOA_W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 04 01:19:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM042921SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue May 04 01:15:32 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	553387	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	374787	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	126503	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	163689	23.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.24%
7) Chloroethane-d5	2.891	69	124917	22.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.84%
11) 1,1-Dichloroethene-d2	4.025	63	247120	17.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.12%
21) 2-Butanone-d5	7.086	46	67739	36.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.26%
24) Chloroform-d	7.647	84	318609	21.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.76%
26) 1,2-Dichloroethane-d4	8.305	65	171077	21.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.36%
32) Benzene-d6	8.275	84	627985	29.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.60%
36) 1,2-Dichloropropane-d6	9.274	67	178911	28.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	113.92%
41) Toluene-d8	10.323	98	537675	27.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.88%
43) trans-1,3-Dichloroprop...	10.579	79	62968	22.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.24%
47) 2-Hexanone-d5	10.945	63	12852	11.43	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	22.86%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	104414	19.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.44%
66) 1,2-Dichlorobenzene-d4	13.853	152	96444	22.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.00%
Target Compounds						
5) Vinyl chloride	2.361	62	4761	0.59	ug/L #	1
12) 1,1-Dichloroethene	4.050	96	42562	5.94	ug/L #	8
13) Acetone	4.135	43	21444	15.14	ug/L	91
14) Carbon disulfide	4.391	76	240461	11.33	ug/L	97
16) Methylene chloride	4.922	84	32589	3.56	ug/L	92
18) Methyl tert-butyl Ether	5.428	73	48284	4.55	ug/L #	76
20) cis-1,2-Dichloroethene	7.171	96	44420	5.47	ug/L	95
33) Benzene	8.323	78	331463	14.77	ug/L	100
34) Trichloroethene	9.092	95	6152282	1027.67	ug/L	94
39) cis-1,3-Dichloropropene	10.036	75	5301	0.62	ug/L #	60
42) Toluene	10.390	91	19210	0.78	ug/L	95
46) Tetrachloroethene	10.860	164	12910550	2867.86	ug/L	93
53) m,p-Xylene	11.835	106	10181	1.00	ug/L	73
54) o-Xylene	12.164	106	5849	0.60	ug/L	85
60) Isopropylbenzene	13.103	105	22491	1.25	ug/L	95
62) 1,3,5-Trimethylbenzene	12.945	105	44494	2.95	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	133561	8.86	ug/L	98
65) 1,4-Dichlorobenzene	13.579	146	17287	2.25	ug/L	93
67) 1,2-Dichlorobenzene	13.871	146	23299	3.38	ug/L	94

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Quant Title : SFAM01.0
QLast Update : Tue May 04 01:15:32 2021
Response via : Initial Calibration

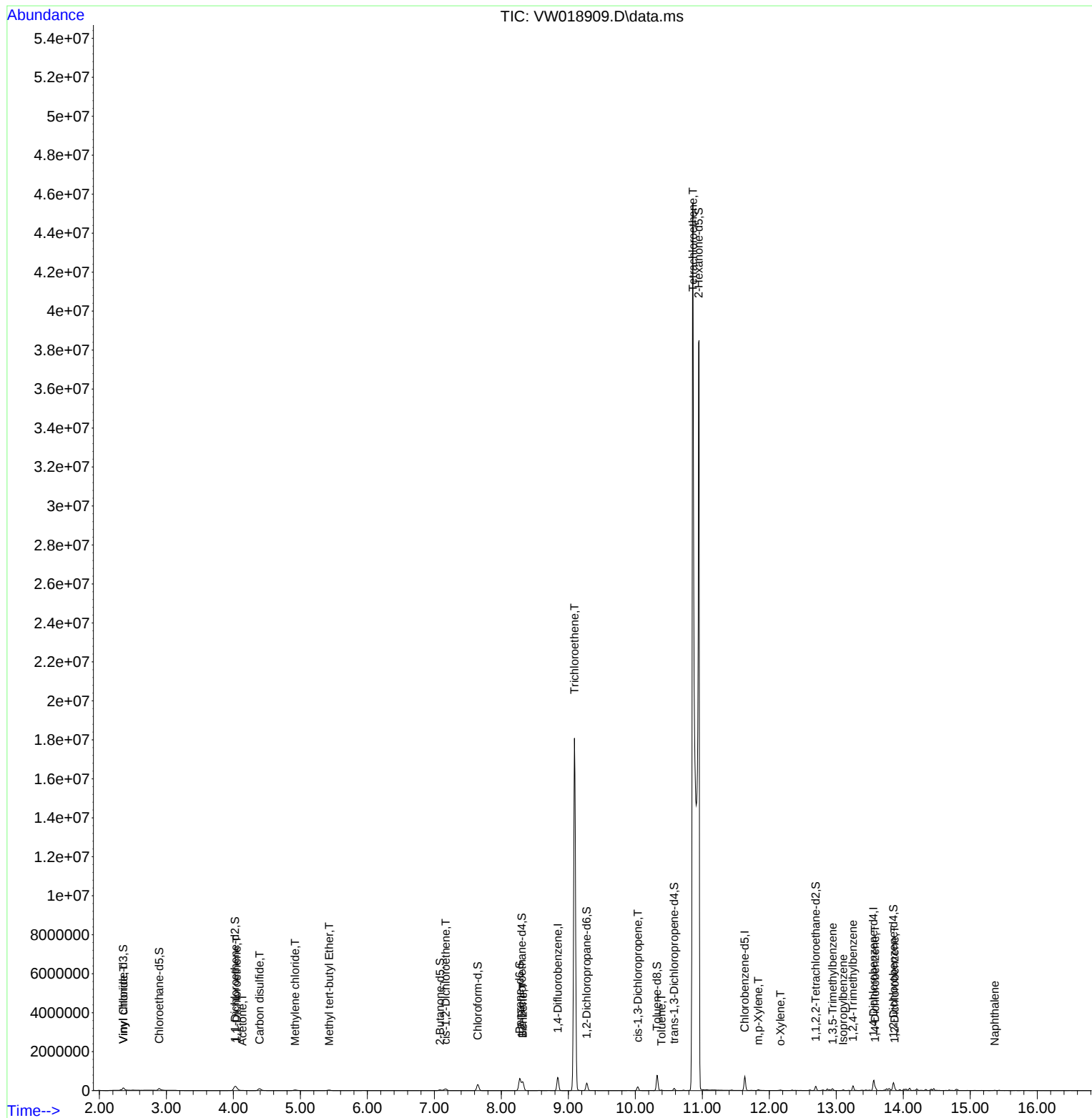
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	15.365	128	15383	1.60	ug/L	99

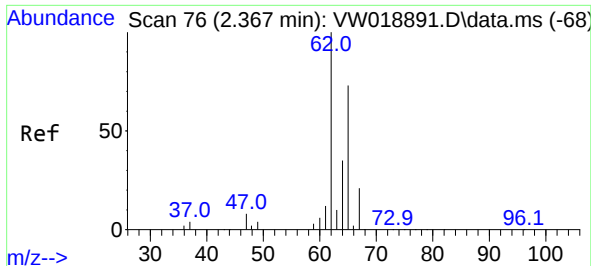
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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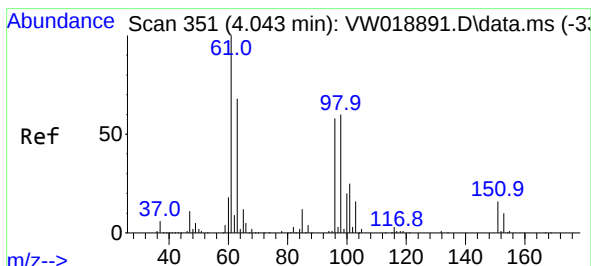
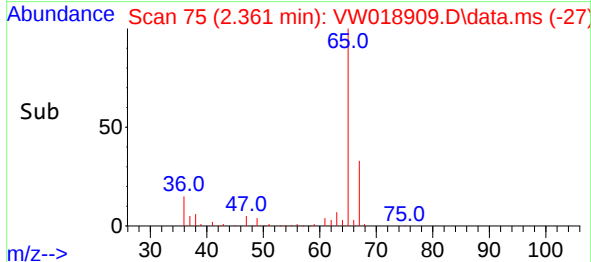
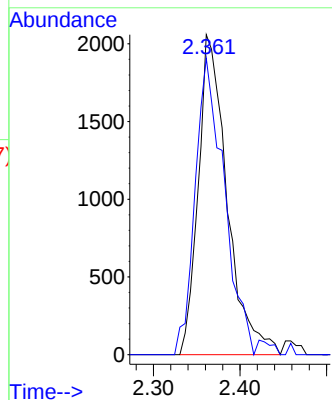
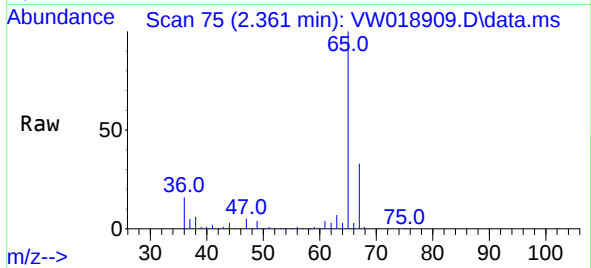




#5
 Vinyl chloride
 Concen: 0.59 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.006 min
 Lab File: VW018909.D
 Acq: 03 May 2021 19:21

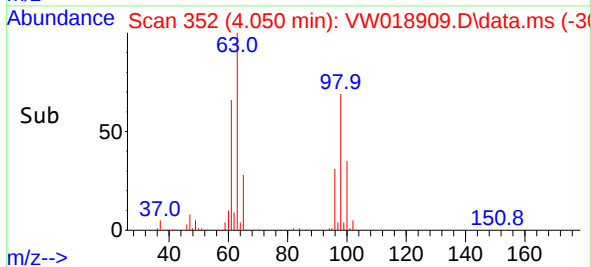
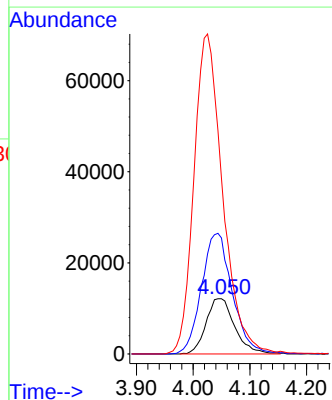
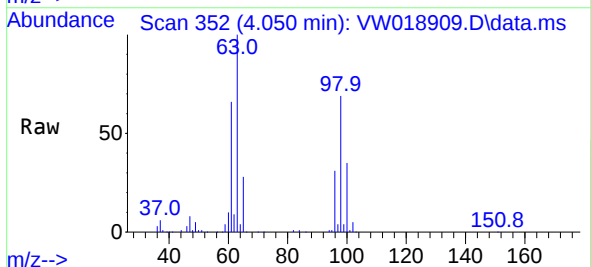
Instrument :
 MSVOA_W
 ClientSampled :

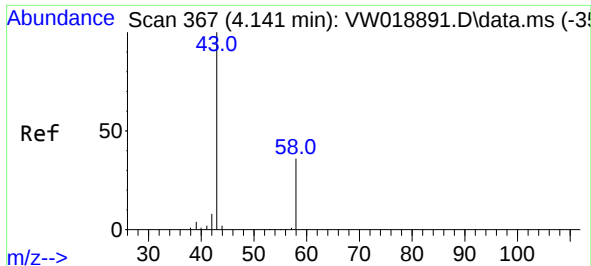
Tgt Ion: 62 Resp: 4761
 Ion Ratio Lower Upper
 62 100
 64 92.7 24.2 45.0#



#12
 1,1-Dichloroethene
 Concen: 5.94 ug/L
 RT: 4.050 min Scan# 352
 Delta R.T. 0.006 min
 Lab File: VW018909.D
 Acq: 03 May 2021 19:21

Tgt Ion: 96 Resp: 42562
 Ion Ratio Lower Upper
 96 100
 61 209.9 118.1 219.3
 63 317.7 83.7 155.5#

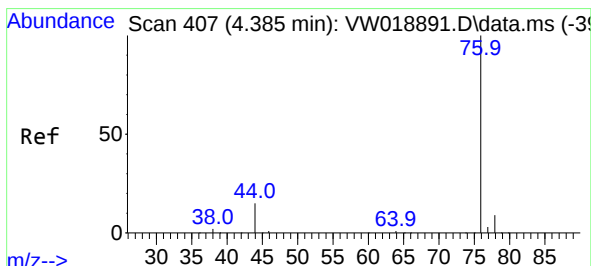
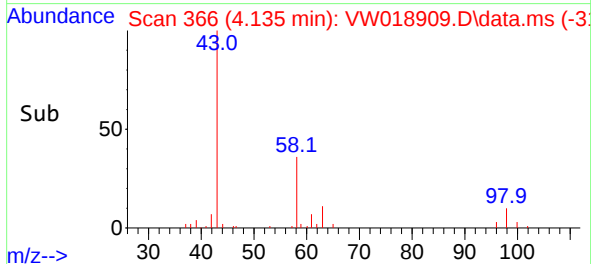
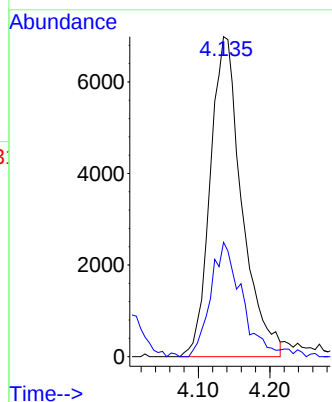
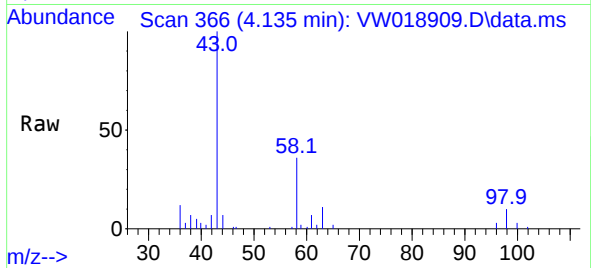




#13
Acetone
Concen: 15.14 ug/L
RT: 4.135 min Scan# 366
Delta R.T. -0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

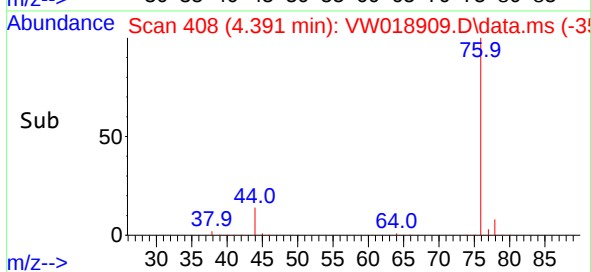
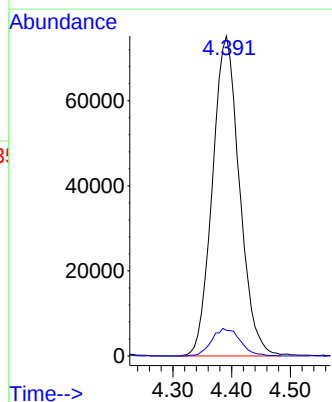
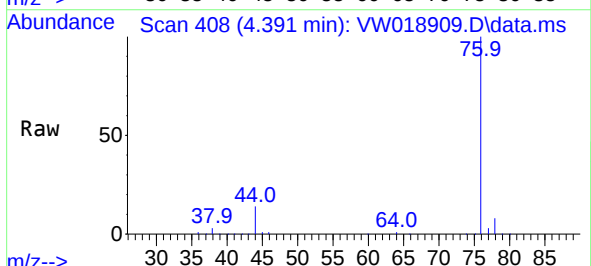
Instrument :
MSVOA_W
ClientSampled :

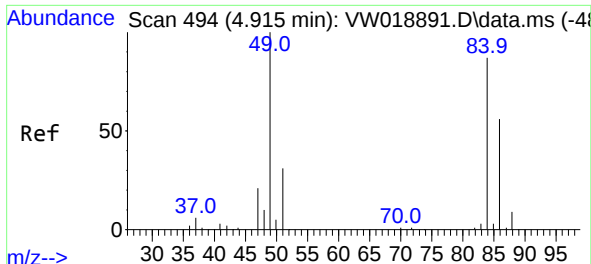
Tgt Ion: 43 Resp: 21444
Ion Ratio Lower Upper
43 100
58 31.8 0.0 53.8



#14
Carbon disulfide
Concen: 11.33 ug/L
RT: 4.391 min Scan# 408
Delta R.T. 0.006 min
Lab File: VW018909.D
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Tgt Ion: 76 Resp: 240461
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0

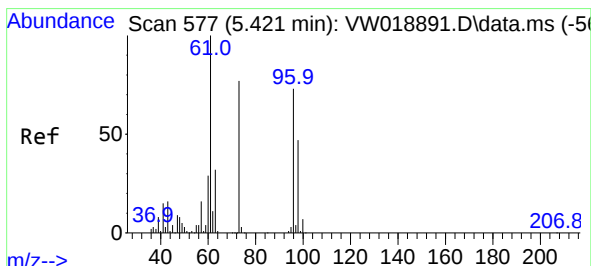
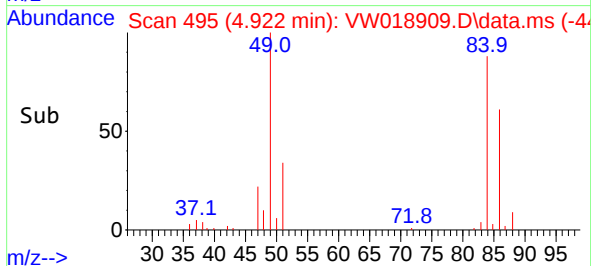
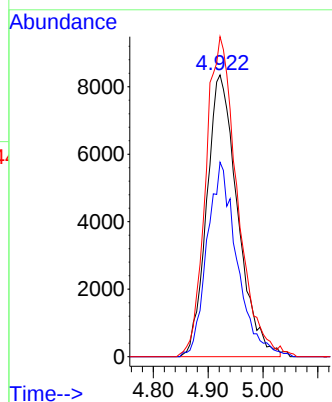
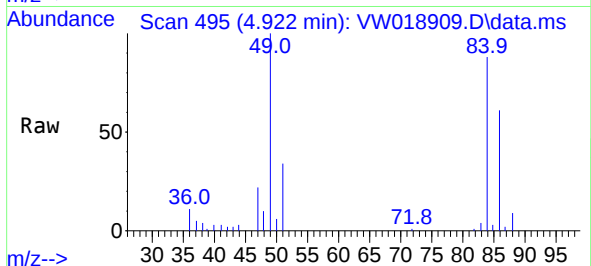




#16
Methylene chloride
Concen: 3.56 ug/L
RT: 4.922 min Scan# 495
Delta R.T. 0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

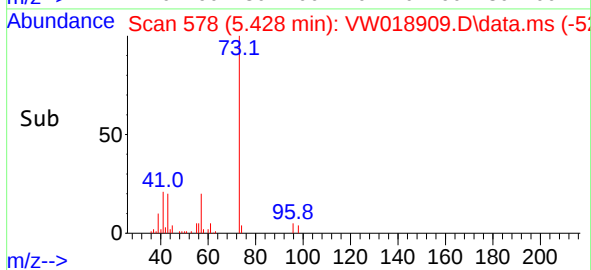
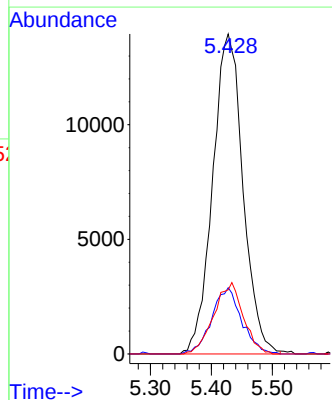
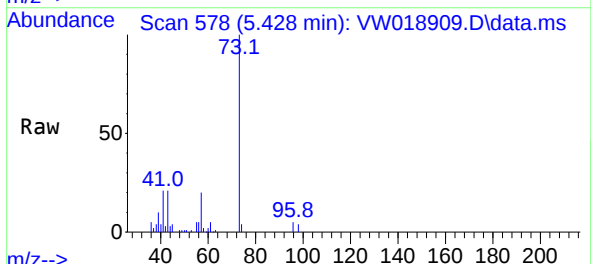
Instrument :
MSVOA_W
ClientSampled :

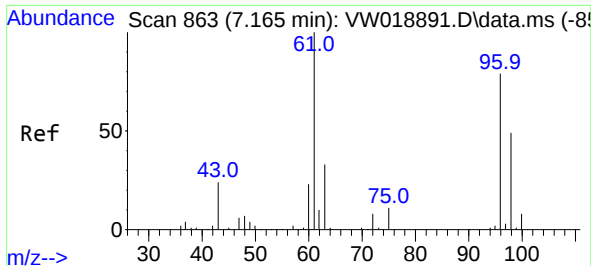
Tgt Ion: 84 Resp: 32589
Ion Ratio Lower Upper
84 100
86 69.0 45.3 84.1
49 113.5 86.6 160.8



#18
Methyl tert-butyl Ether
Concen: 4.55 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

Tgt Ion: 73 Resp: 48284
Ion Ratio Lower Upper
73 100
43 20.5 17.7 26.5
57 0.0 17.0 25.4

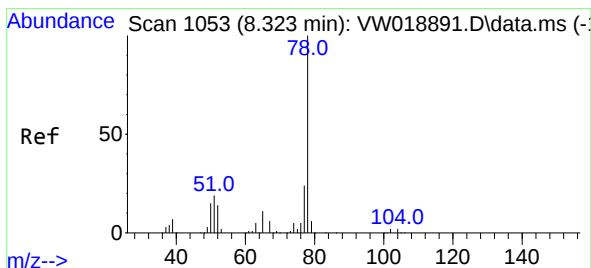
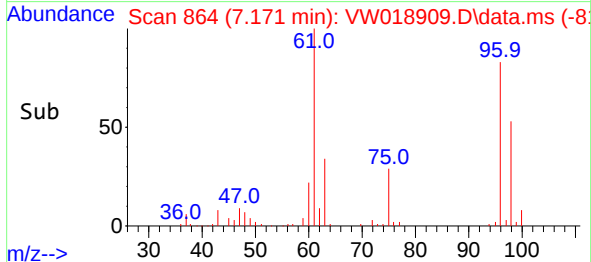
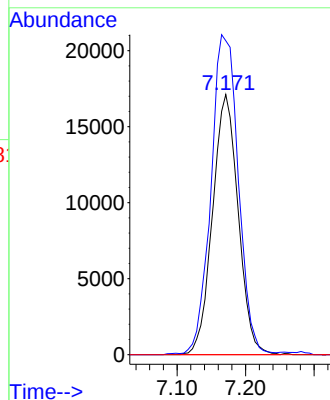
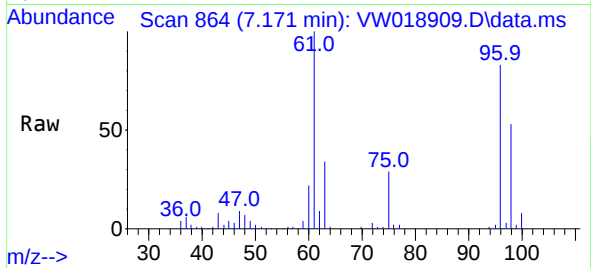




#20
cis-1,2-Dichloroethene
Concen: 5.47 ug/L
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

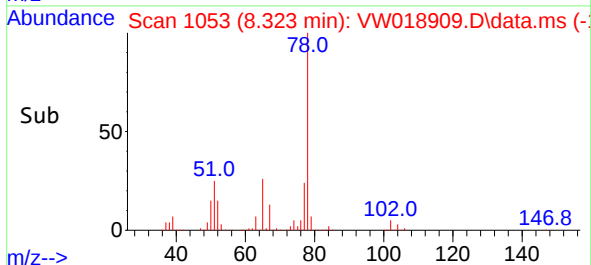
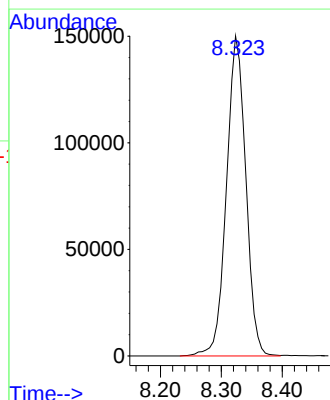
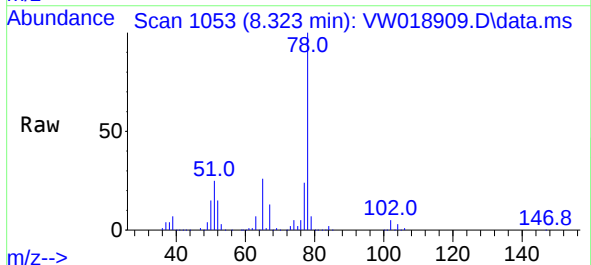
Instrument :
MSVOA_W
ClientSampled :

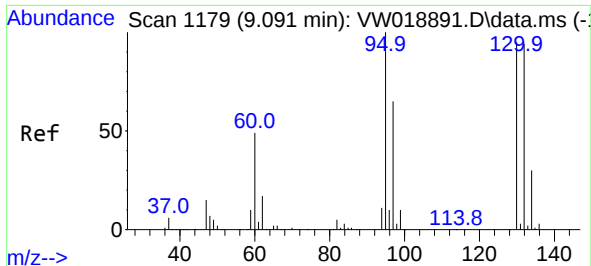
Tgt Ion: 96 Resp: 44420
Ion Ratio Lower Upper
96 100
61 120.7 88.5 164.3
68 0.0 0.0 0.0



#33
Benzene
Concen: 14.77 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

Tgt Ion: 78 Resp: 331463

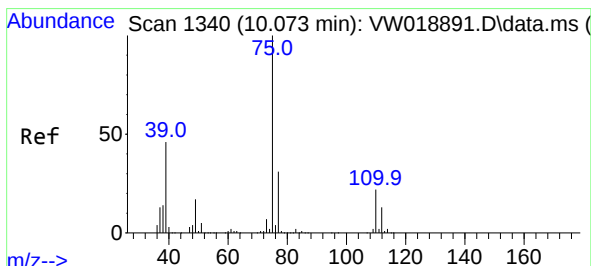
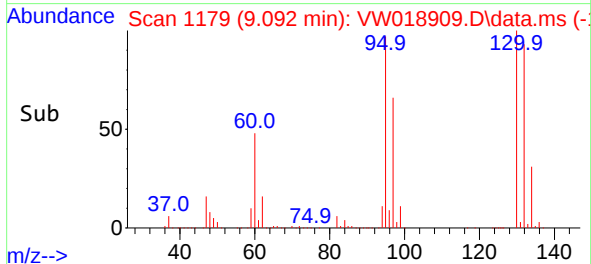
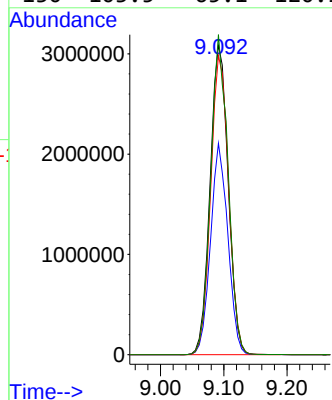
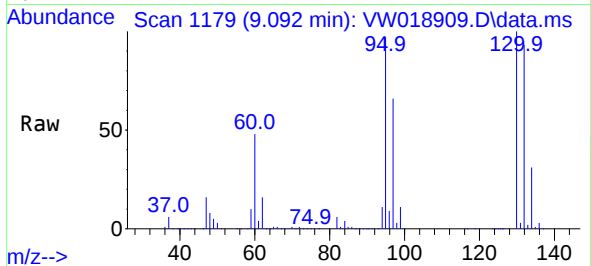




#34
Trichloroethene
Concen: 1027.67 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

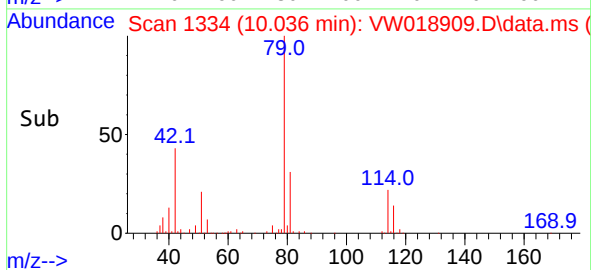
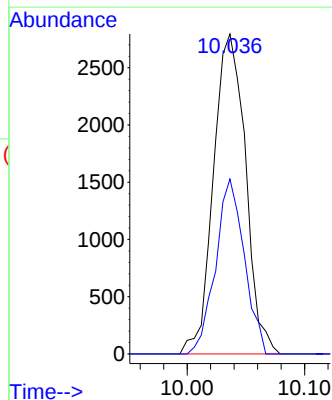
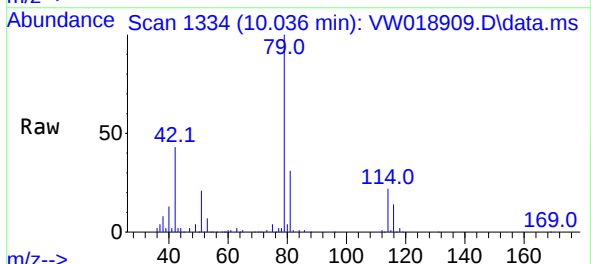
Instrument :
MSVOA_W
ClientSampled :

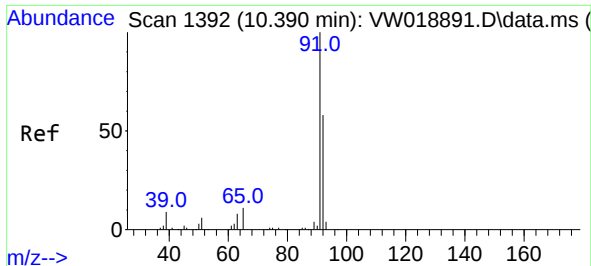
Tgt Ion: 95 Resp: 6152282
Ion Ratio Lower Upper
95 100
97 68.3 47.3 87.8
132 96.7 71.0 131.8
130 103.5 65.1 120.9



#39
cis-1,3-Dichloropropene
Concen: 0.62 ug/L
RT: 10.036 min Scan# 1334
Delta R.T. -0.036 min
Lab File: VW018909.D
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Tgt Ion: 75 Resp: 5301
Ion Ratio Lower Upper
75 100
77 54.6 22.6 42.0#

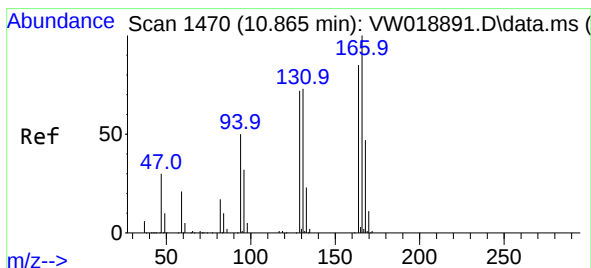
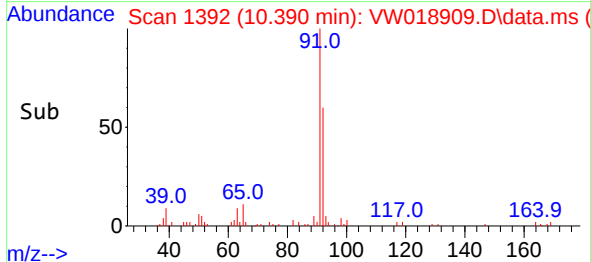
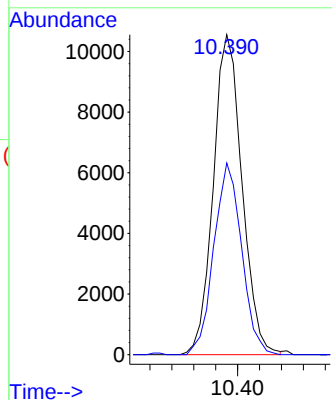
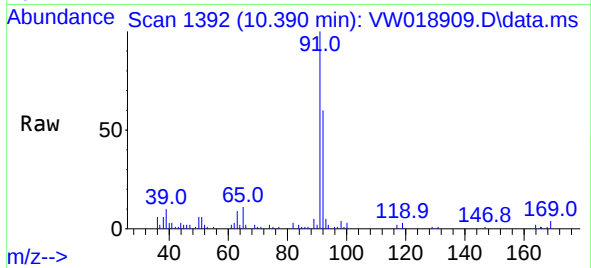




#42
Toluene
Concen: 0.78 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW018909.D
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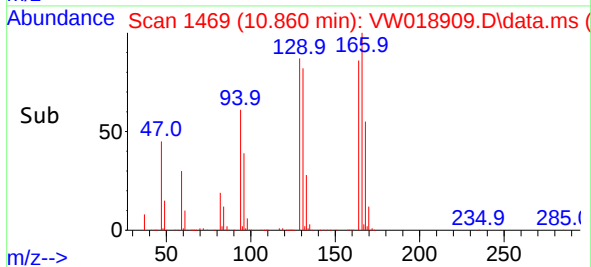
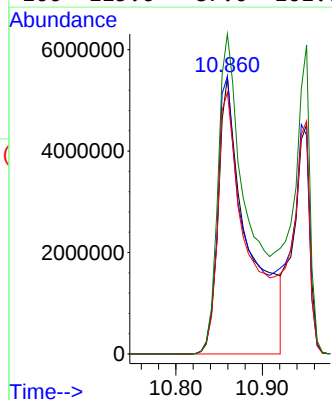
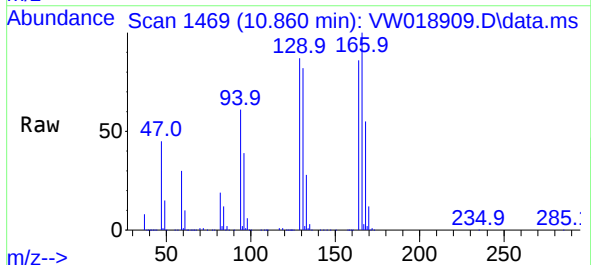
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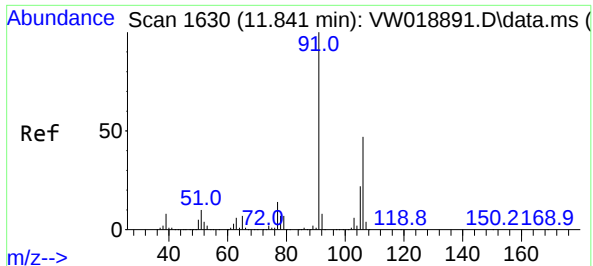
Tgt Ion: 91 Resp: 19210
Ion Ratio Lower Upper
91 100
92 59.9 39.5 73.3



#46
Tetrachloroethene
Concen: 2867.86 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

Tgt Ion: 164 Resp: 12910550
Ion Ratio Lower Upper
164 100
129 100.3 66.7 123.9
131 94.5 61.1 113.5
166 115.6 87.0 161.6

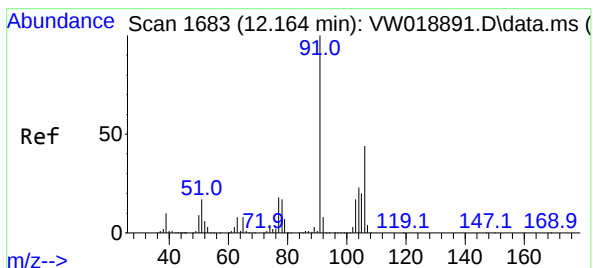
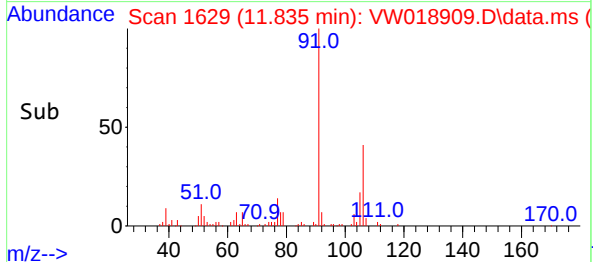
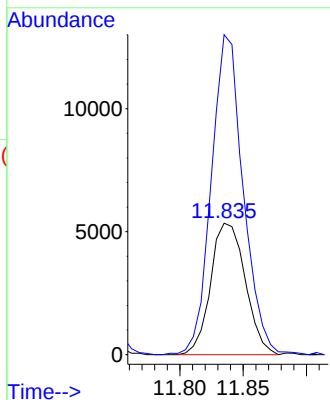
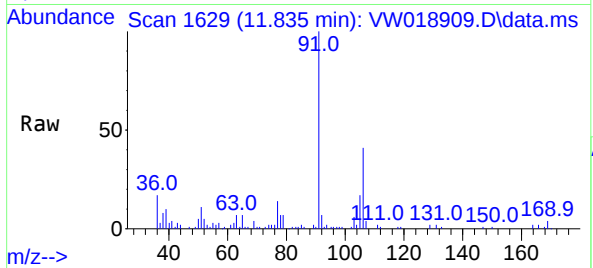




#53
m,p-Xylene
Concen: 1.00 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

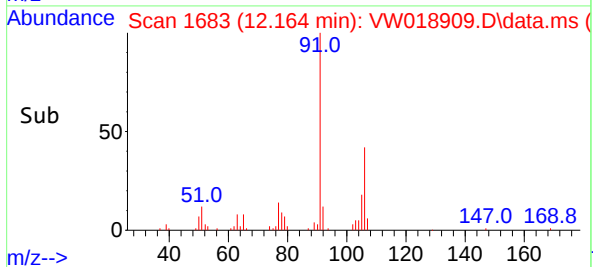
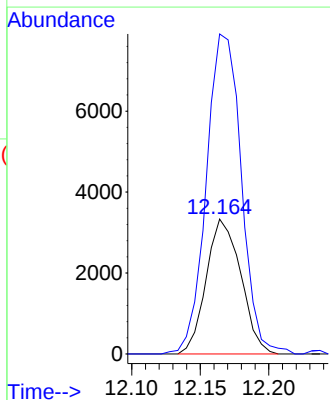
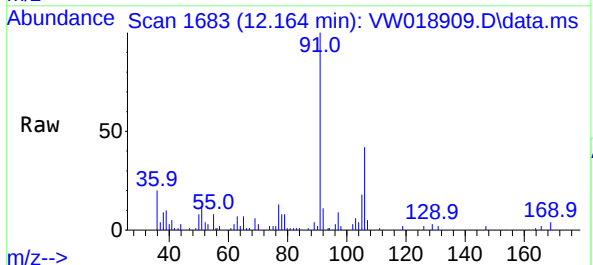
Instrument :
MSVOA_W
ClientSampled :

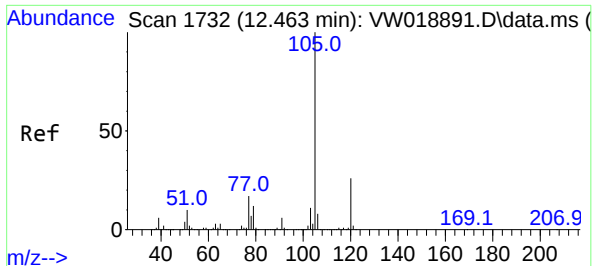
Tgt Ion:106 Resp: 10181
Ion Ratio Lower Upper
106 100
91 243.3 141.3 262.3



#54
o-Xylene
Concen: 0.60 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

Tgt Ion:106 Resp: 5849
Ion Ratio Lower Upper
106 100
91 237.3 150.0 278.6

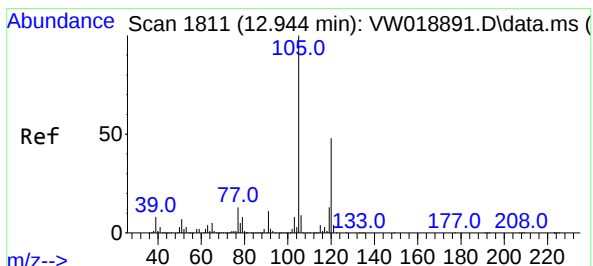
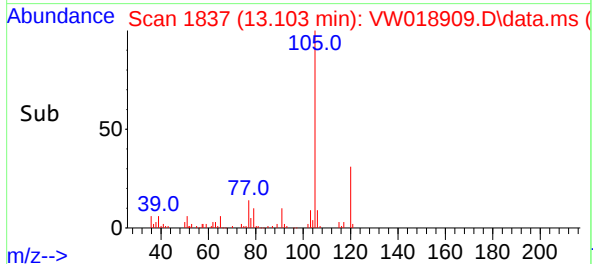
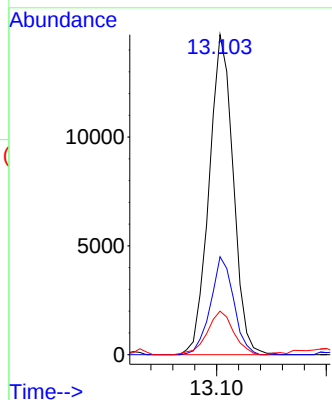
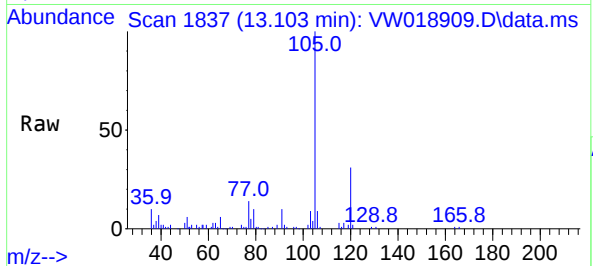




#60
Isopropylbenzene
Concen: 1.25 ug/L
RT: 13.103 min Scan# 1837
Delta R.T. 0.640 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

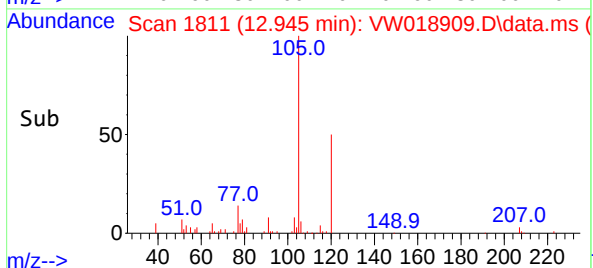
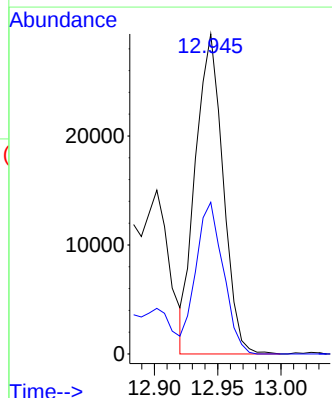
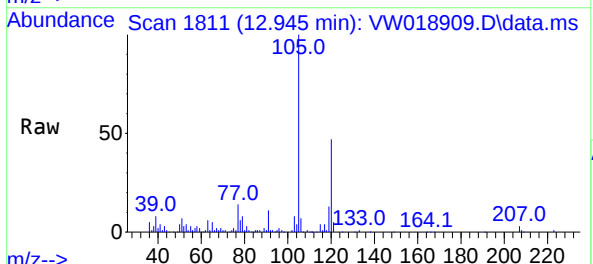
Instrument :
MSVOA_W
ClientSampled :

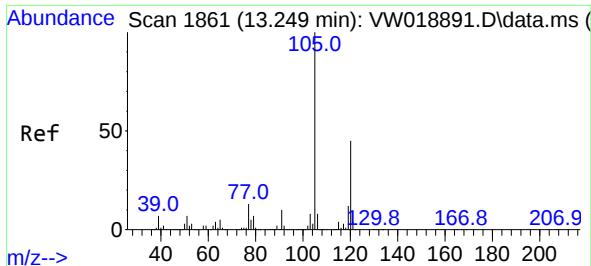
Tgt Ion:	105	Resp:	22491
Ion	Ratio	Lower	Upper
105	100		
120	29.3	21.1	31.7
77	14.8	13.2	19.8



#62
1,3,5-Trimethylbenzene
Concen: 2.95 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

Tgt Ion:	105	Resp:	44494
Ion	Ratio	Lower	Upper
105	100		
120	47.2	39.0	58.6

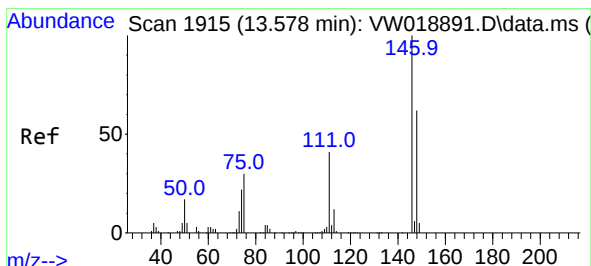
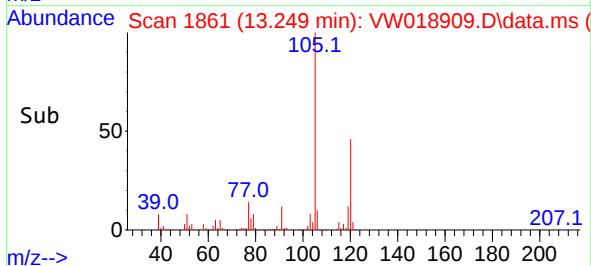
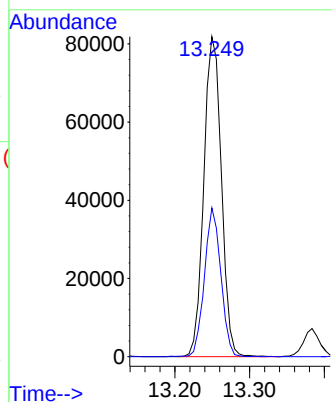
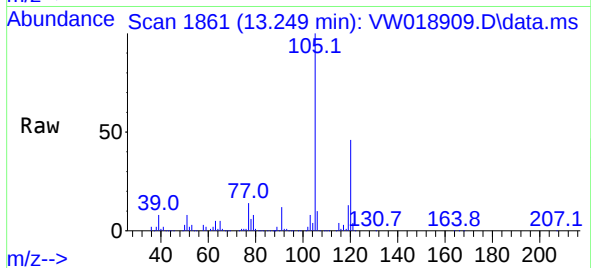




#63
1,2,4-Trimethylbenzene
Concen: 8.86 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

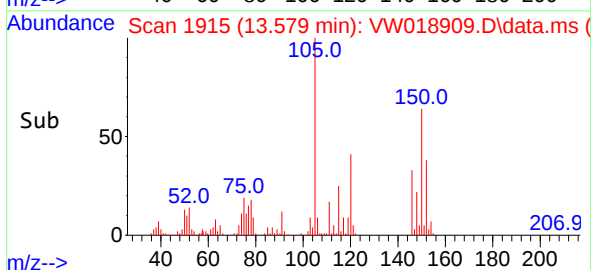
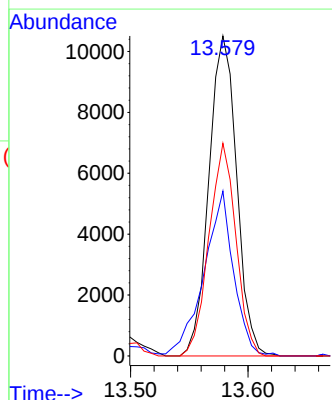
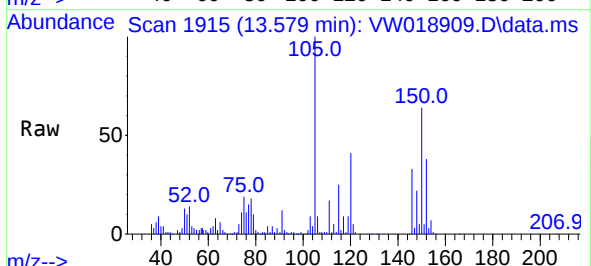
Instrument :
MSVOA_W
ClientSampled :

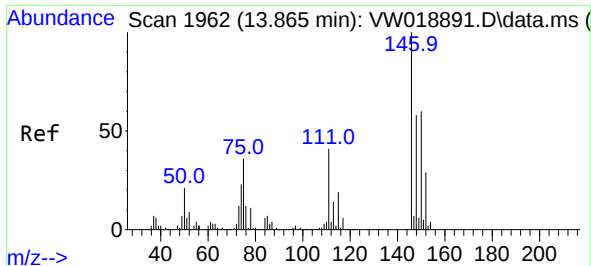
Tgt Ion:105 Resp: 133561
Ion Ratio Lower Upper
105 100
120 43.3 35.6 53.4



#65
1,4-Dichlorobenzene
Concen: 2.25 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

Tgt Ion:146 Resp: 17287
Ion Ratio Lower Upper
146 100
111 51.5 28.8 53.4
148 66.4 46.8 87.0

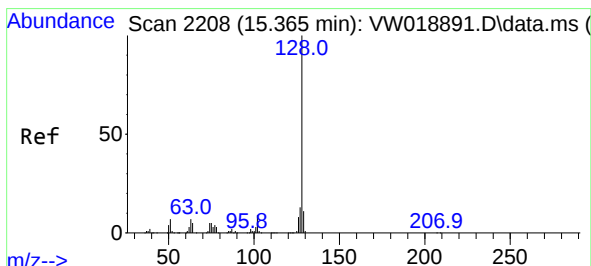
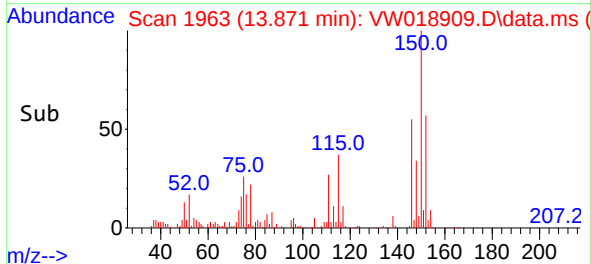
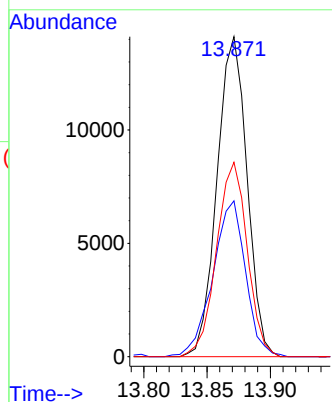
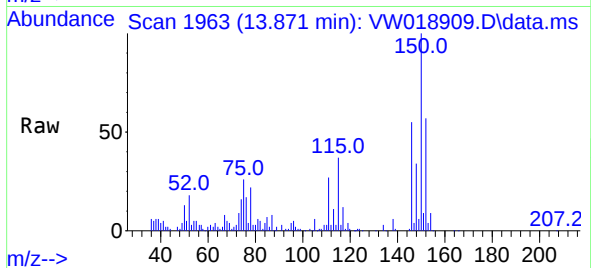




#67
1,2-Dichlorobenzene
Concen: 3.38 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion:	146	Resp:	23299
Ion	Ratio	Lower	Upper
146	100		
111	48.7	33.2	49.8
148	60.7	50.4	75.6



#71
Naphthalene
Concen: 1.60 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW018909.D
Acq: 03 May 2021 19:21

Tgt Ion:	128	Resp:	15383
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	11.2	9.0	13.6

