

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VV022898.D
 Acq On : 19 Oct 2021 04:17
 Operator : SY/MD
 Sample : M4137-13
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGD1

Quant Time: Oct 19 05:21:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 19 04:07:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	119753	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	124225	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	57133	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	32226	3.911	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.200%
7) Chloroethane-d5	1.567	69	30203	4.079	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.600%
11) 1,1-Dichloroethene-d2	2.108	63	47304	2.927	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.600%#
20) 2-Butanone-d5	3.889	46	115819	53.611	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.220%
24) Chloroform-d	4.349	84	91843	5.409	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.200%
26) 1,2-Dichloroethane-d4	5.034	65	42567	5.165	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.400%
32) Benzene-d6	5.053	84	169293	4.578	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.069	67	56248	5.136	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.800%
41) Toluene-d8	7.316	98	143092	4.476	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	7.625	79	16173	4.452	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.088	63	90129	61.560	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.120%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	42380	5.712	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	59866	5.651	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	2306	0.254	ug/L #	55
8) Chloroethane	1.522	64	2859	0.510	ug/L #	54
12) 1,1-Dichloroethene	2.117	96	620	0.086	ug/L #	1
13) Acetone	2.346	43	5239	4.349	ug/L	81
14) Carbon disulfide	2.297	76	1186	0.058	ug/L #	87
15) Methyl Acetate	2.346	43	5239	1.520	ug/L #	50
17) Methyl tert-butyl Ether	2.767	73	13345	0.762	ug/L	98
19) 1,1-Dichloroethane	3.194	63	15242	1.076	ug/L	95
22) cis-1,2-Dichloroethene	3.915	96	46714	5.655	ug/L	96
34) Trichloroethene	5.924	95	4696	0.516	ug/L	88
35) Methylcyclohexane	6.069	83	13477	1.057	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	5927	0.737	ug/L #	84
39) cis-1,3-Dichloropropene	6.995	75	1126	0.106	ug/L #	24
42) Toluene	7.397	91	8632	0.254	ug/L	97
47) Tetrachloroethene	7.979	164	16255	2.209	ug/L	97
49) Dibromochloromethane	7.979	129	14897	2.131	ug/L #	7
53) m,p-xylene	9.149	106	1863	0.138	ug/L	91
61) 1,2,3-Trichloropropane	11.249	75	6691	1.686	ug/L #	62
63) 1,2,4-Trimethylbenzene	10.921	105	1725	0.074	ug/L	98

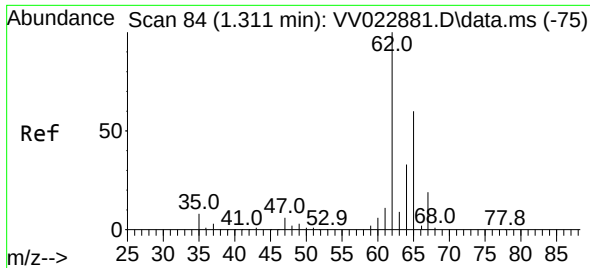
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Data File : VV022898.D
Acq On : 19 Oct 2021 04:17
Operator : SY/MD
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Quant Time: Oct 19 05:21:35 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Oct 19 04:07:06 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Naphthalene	13.512	128	785	0.056	ug/L #	76

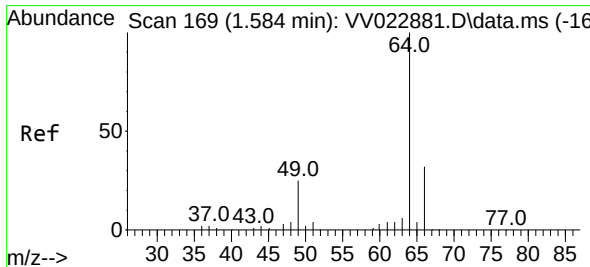
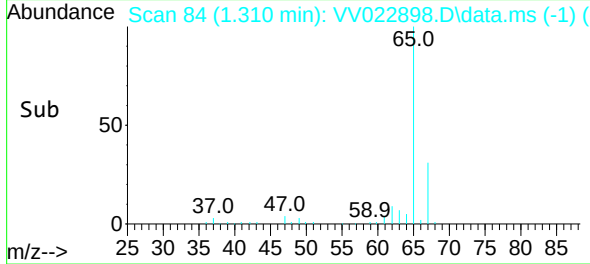
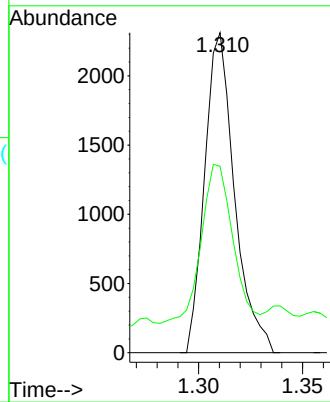
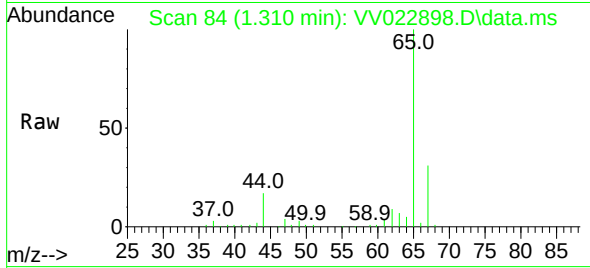
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 0.254 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV022898.D
 Acq: 19 Oct 2021 04:17

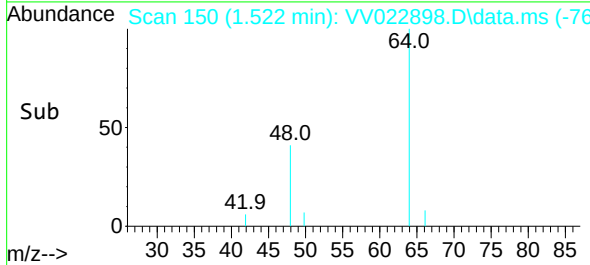
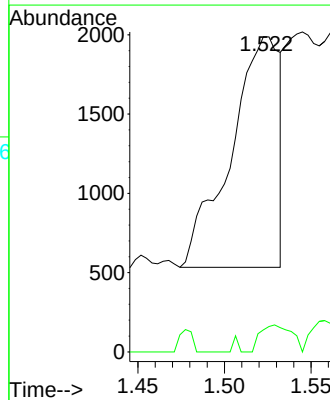
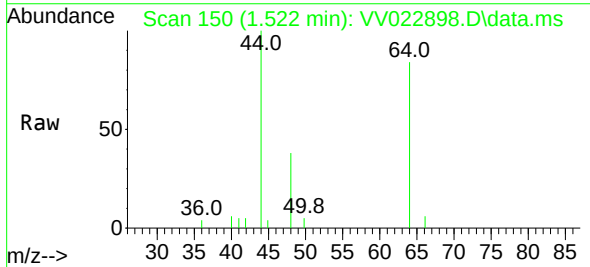
Instrument :
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 ClientSampled :
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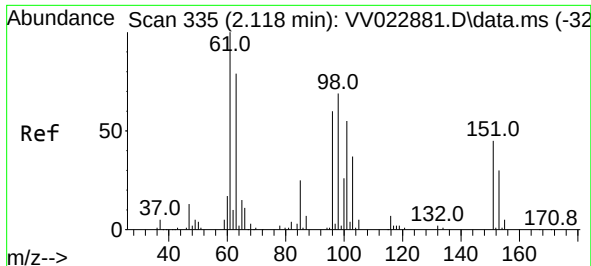
Tgt Ion: 62 Resp: 2306
 Ion Ratio Lower Upper
 62 100
 64 58.3 23.0 42.8#



#8
 Chloroethane
 Concen: 0.510 ug/L
 RT: 1.522 min Scan# 150
 Delta R.T. -0.061 min
 Lab File: VV022898.D
 Acq: 19 Oct 2021 04:17

Tgt Ion: 64 Resp: 2859
 Ion Ratio Lower Upper
 64 100
 66 7.0 22.9 42.5#

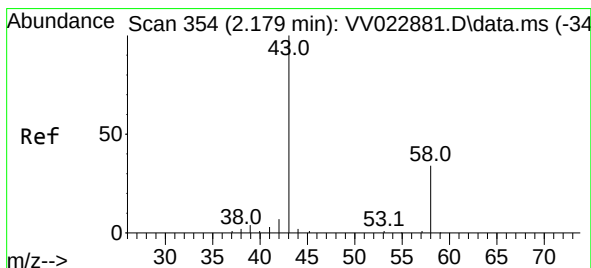
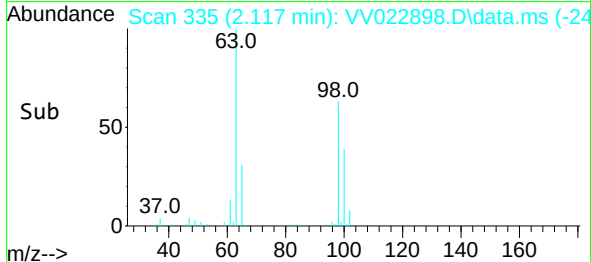
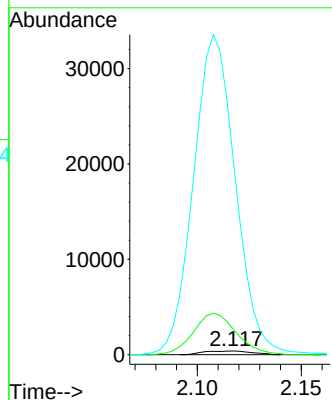
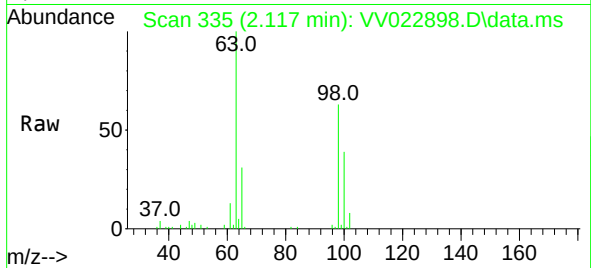




#12
1,1-Dichloroethene
Concen: 0.086 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

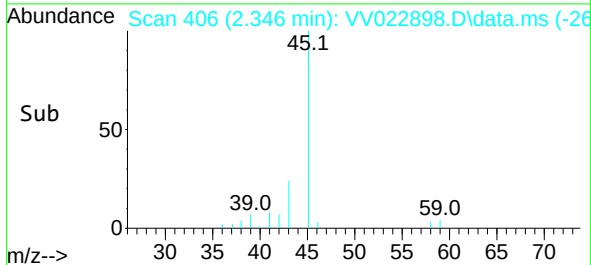
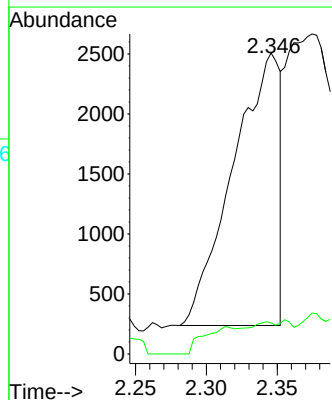
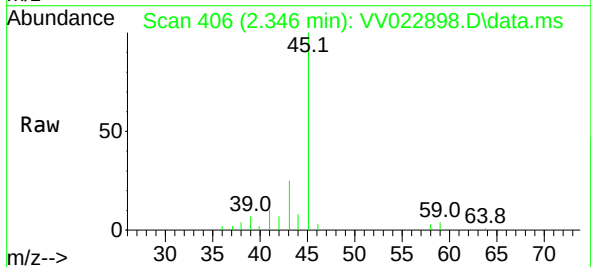
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ClientSampleId :
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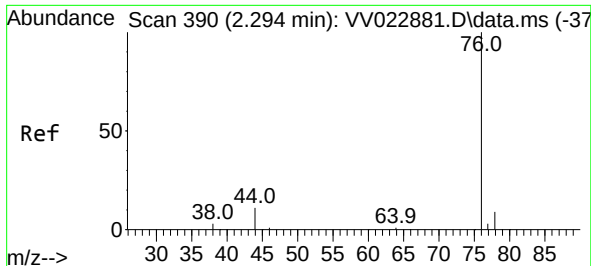
Tgt Ion: 96 Resp: 620
Ion Ratio Lower Upper
96 100
61 676.6 127.3 236.5#
63 5181.7 106.2 197.2#



#13
Acetone
Concen: 4.349 ug/L
RT: 2.346 min Scan# 406
Delta R.T. 0.167 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

Tgt Ion: 43 Resp: 5239
Ion Ratio Lower Upper
43 100
58 4.8 0.0 24.2

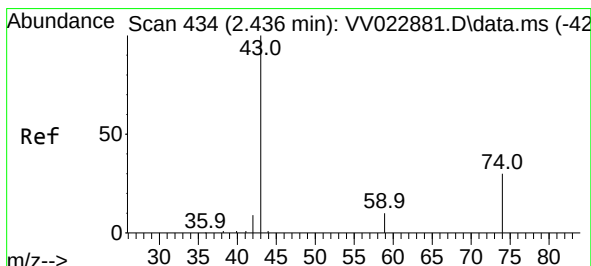
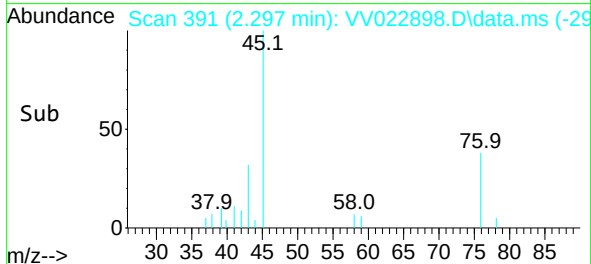
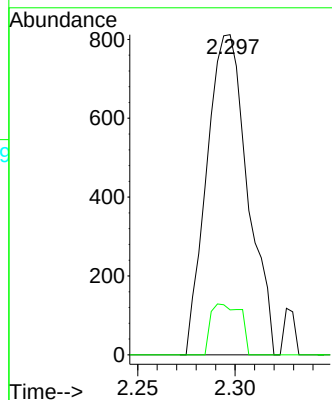
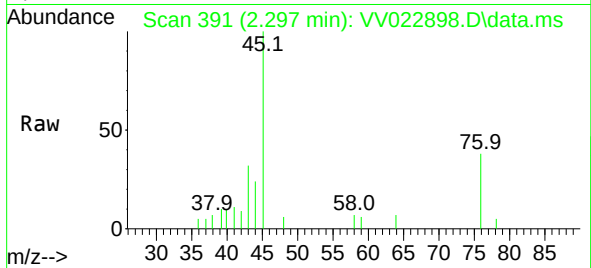




#14
Carbon disulfide
Concen: 0.058 ug/L
RT: 2.297 min Scan# 391
Delta R.T. 0.003 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

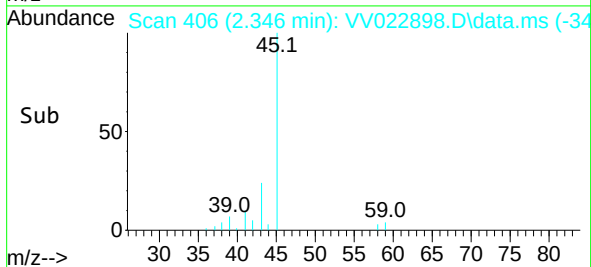
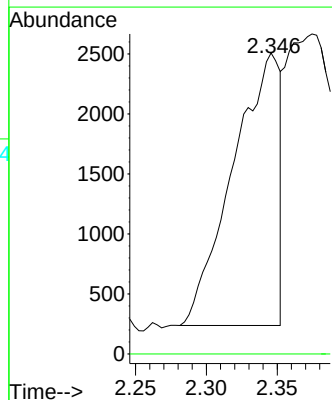
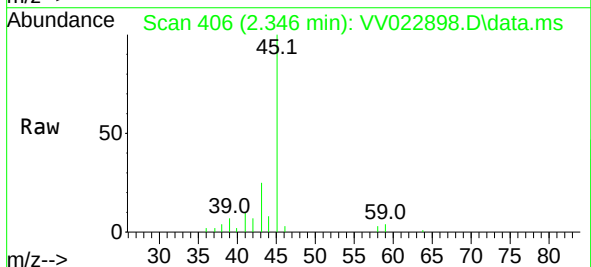
Instrument :
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ClientSampled :
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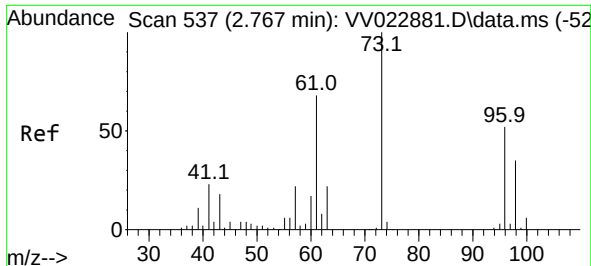
Tgt Ion: 76 Resp: 1186
Ion Ratio Lower Upper
76 100
78 14.0 7.4 11.0#



#15
Methyl Acetate
Concen: 1.520 ug/L
RT: 2.346 min Scan# 406
Delta R.T. -0.090 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

Tgt Ion: 43 Resp: 5239
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#

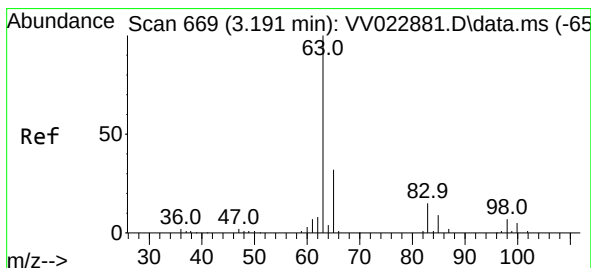
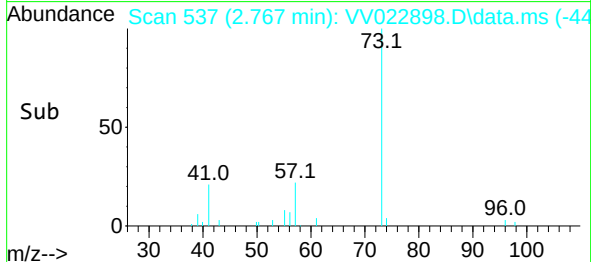
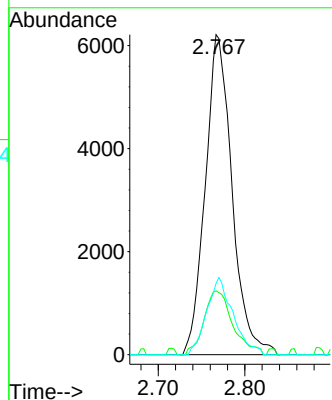
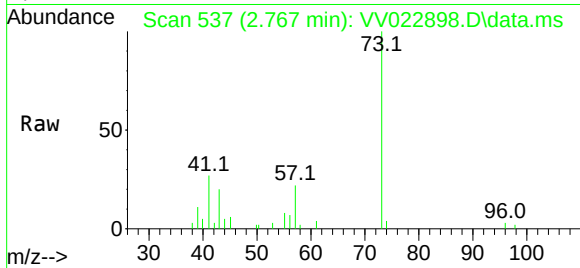




#17
Methyl tert-butyl Ether
Concen: 0.762 ug/L
RT: 2.767 min Scan# 537
Delta R.T. -0.000 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

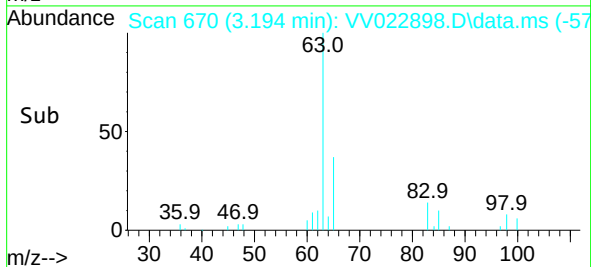
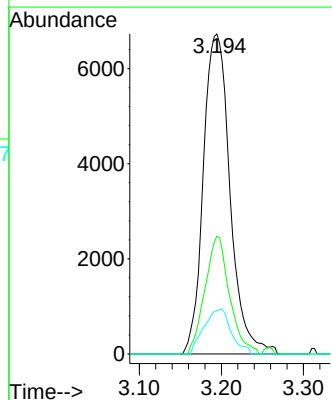
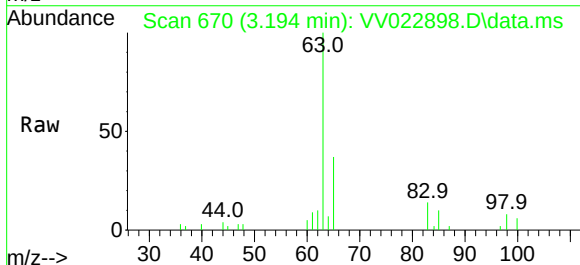
Instrument :
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ClientSampleId :
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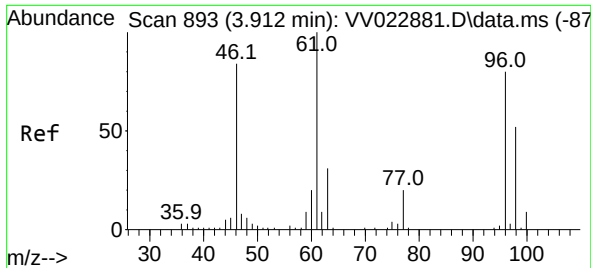
Tgt Ion: 73	Resp: 13345
Ion Ratio	Lower Upper
73 100	
43 21.4	17.1 25.7
57 23.8	17.2 25.8



#19
1,1-Dichloroethane
Concen: 1.076 ug/L
RT: 3.194 min Scan# 670
Delta R.T. 0.003 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

Tgt Ion: 63	Resp: 15242
Ion Ratio	Lower Upper
63 100	
65 36.8	23.5 43.7
83 13.5	10.1 18.7

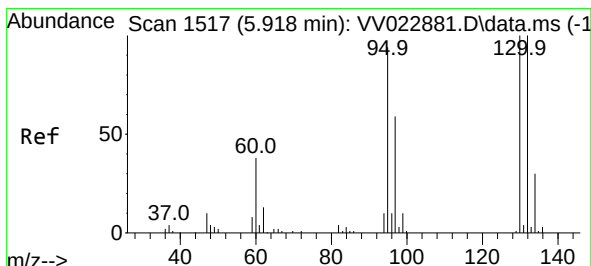
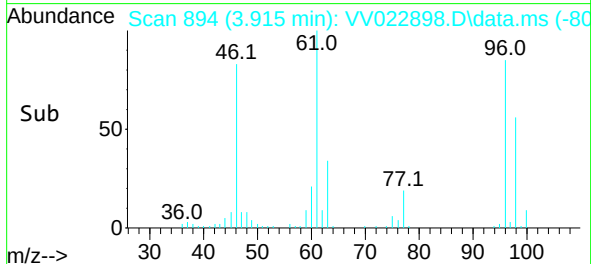
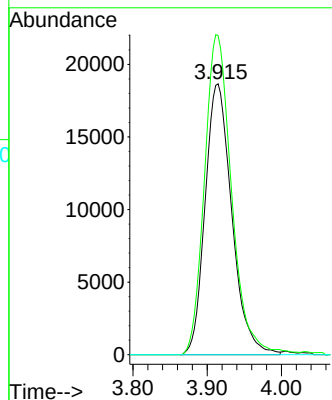
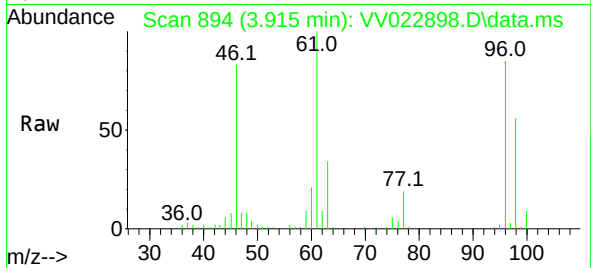




#22
cis-1,2-Dichloroethene
Concen: 5.655 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.003 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

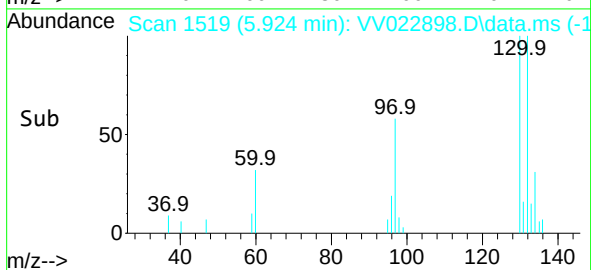
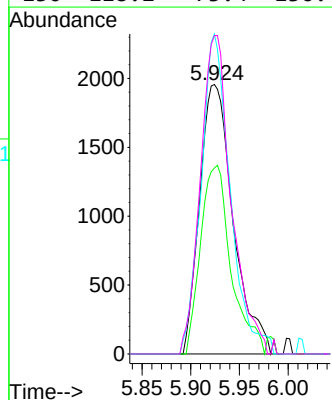
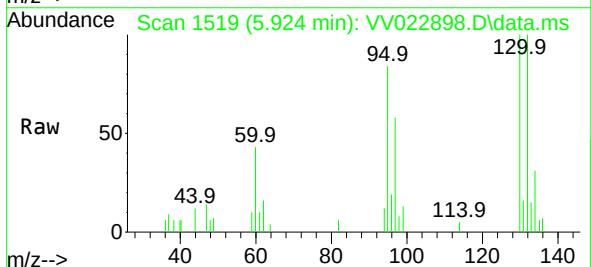
Instrument :
MSVOA_V
ClientSampled :
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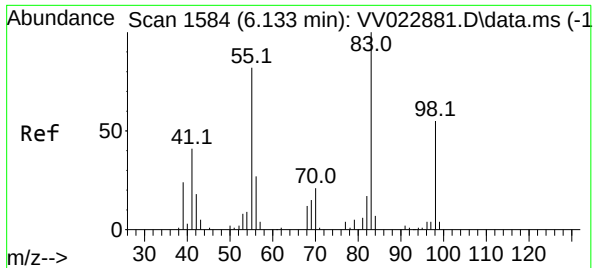
Tgt Ion: 96 Resp: 46714
Ion Ratio Lower Upper
96 100
61 117.8 86.0 159.6
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 0.516 ug/L
RT: 5.924 min Scan# 1519
Delta R.T. 0.006 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

Tgt Ion: 95 Resp: 4696
Ion Ratio Lower Upper
95 100
97 69.0 45.8 85.2
132 118.8 72.2 134.0
130 118.2 73.4 136.4

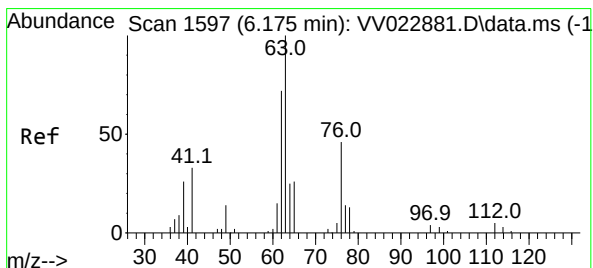
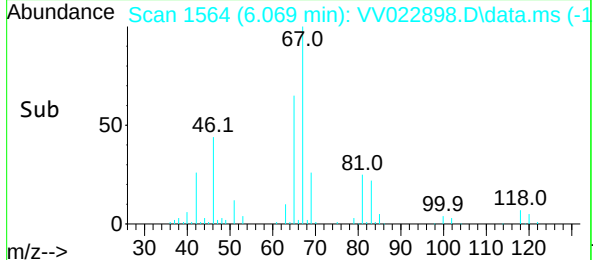
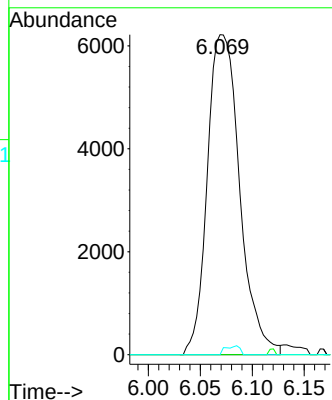
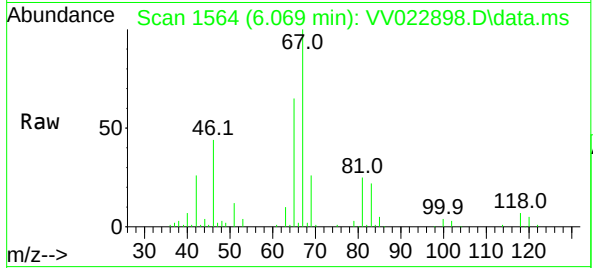




#35
Methylcyclohexane
Concen: 1.057 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.065 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

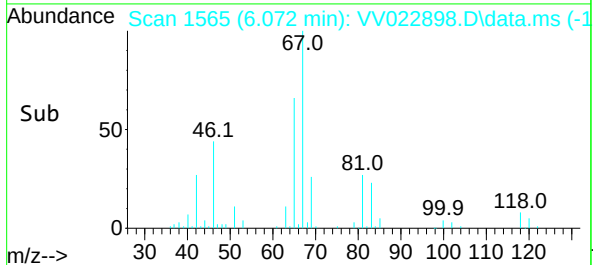
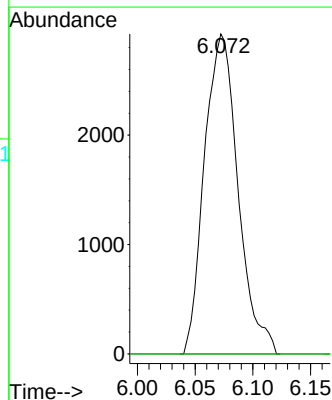
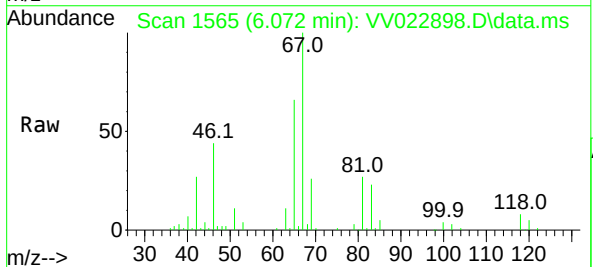
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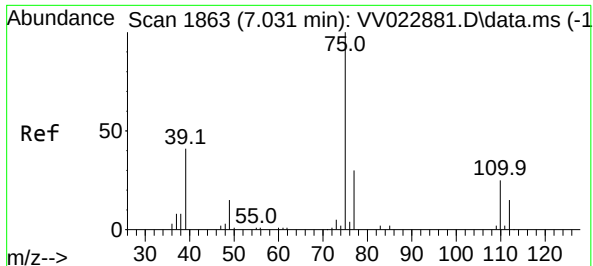
Tgt Ion: 83 Resp: 13477
Ion Ratio Lower Upper
83 100
55 0.3 63.8 95.6#
98 1.2 42.1 63.1#



#37
1,2-Dichloropropane
Concen: 0.737 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.103 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

Tgt Ion: 63 Resp: 5927
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#

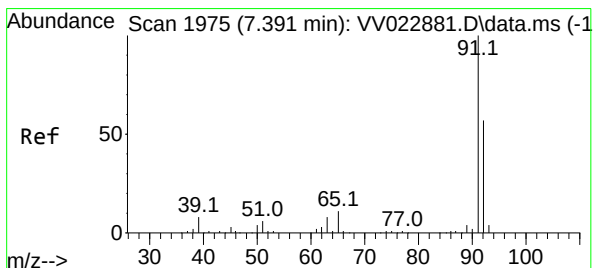
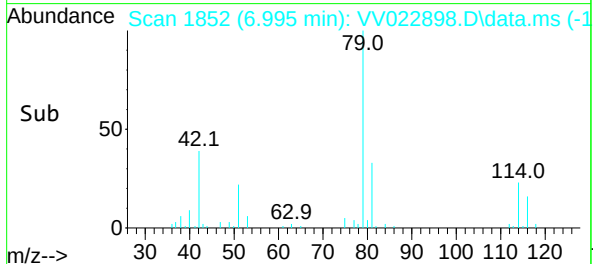
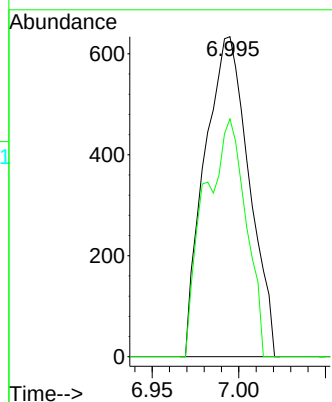
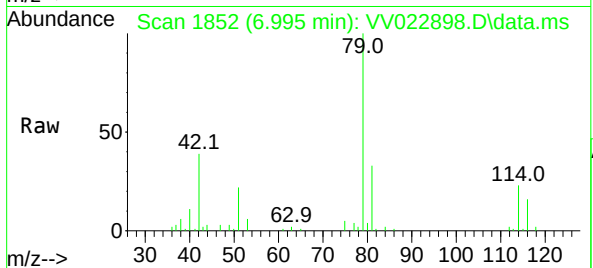




#39
cis-1,3-Dichloropropene
Concen: 0.106 ug/L
RT: 6.995 min Scan# 1852
Delta R.T. -0.036 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

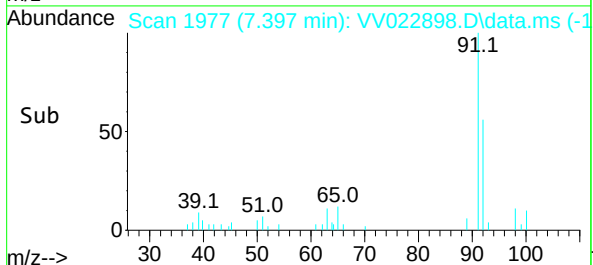
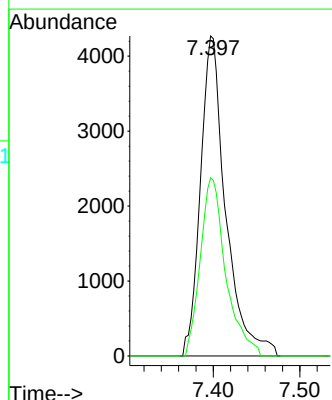
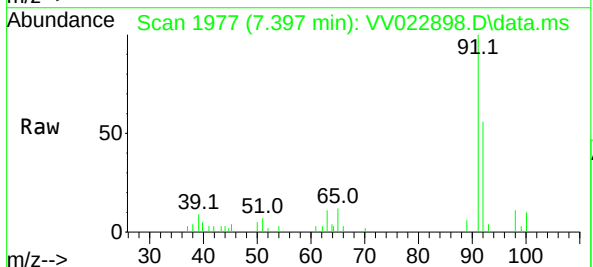
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ClientSampleId :
BFGD1

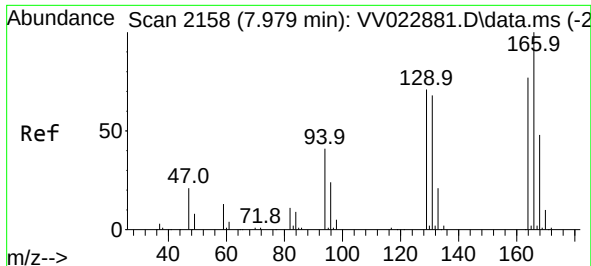
Tgt Ion: 75 Resp: 1126
Ion Ratio Lower Upper
75 100
77 74.3 22.3 41.3#



#42
Toluene
Concen: 0.254 ug/L
RT: 7.397 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

Tgt Ion: 91 Resp: 8632
Ion Ratio Lower Upper
91 100
92 55.7 40.7 75.7





#47

Tetrachloroethene

Concen: 2.209 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.000 min

Lab File: VV022898.D

Acq: 19 Oct 2021 04:17

Instrument :
MSVOA_V
ClientSampled :
BFGD1

Tgt Ion:164 Resp: 16255

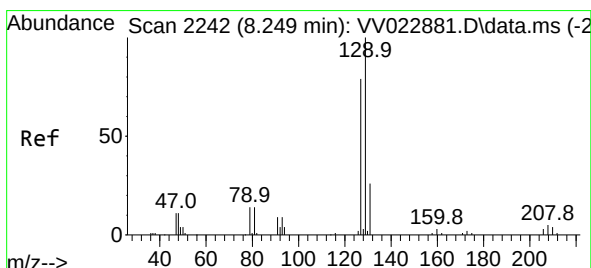
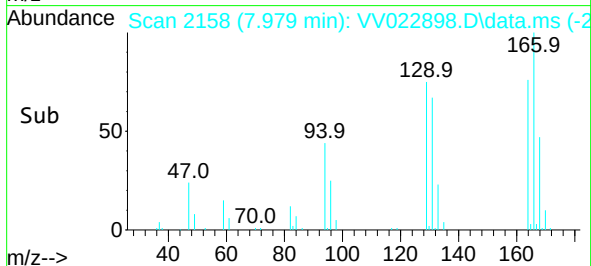
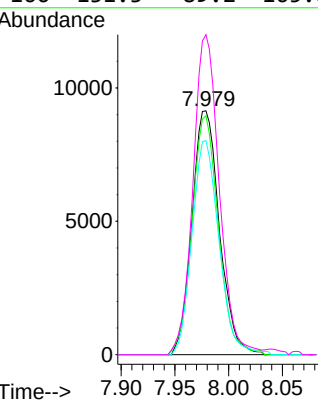
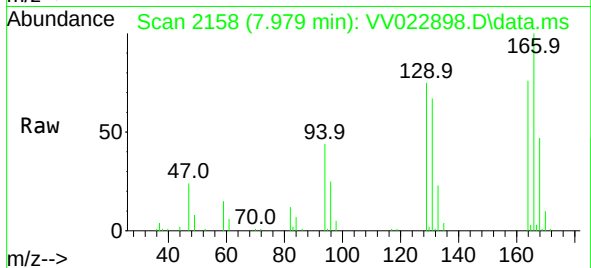
Ion Ratio Lower Upper

164 100

129 98.0 65.0 120.6

131 87.8 62.2 115.4

166 131.3 89.2 165.8



#49

Dibromochloromethane

Concen: 2.131 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.270 min

Lab File: VV022898.D

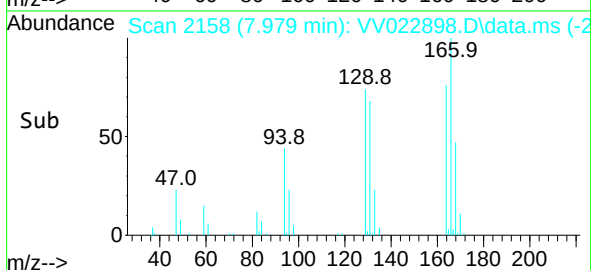
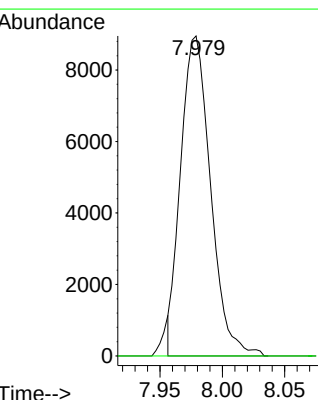
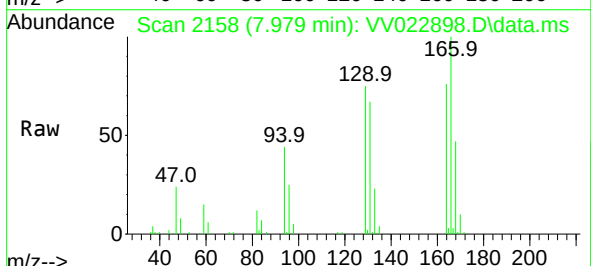
Acq: 19 Oct 2021 04:17

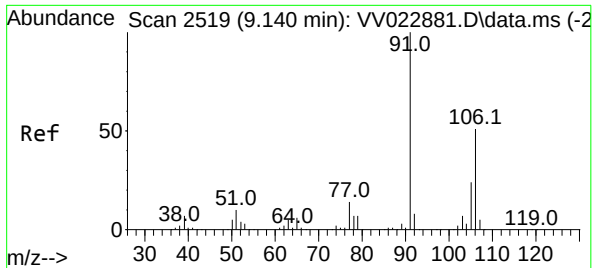
Tgt Ion:129 Resp: 14897

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#

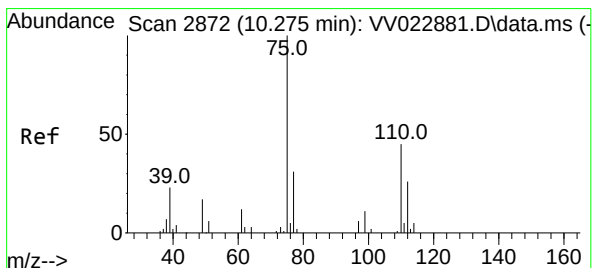
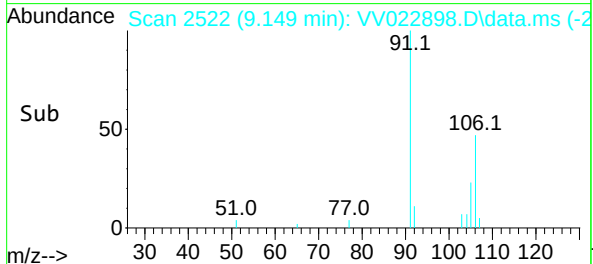
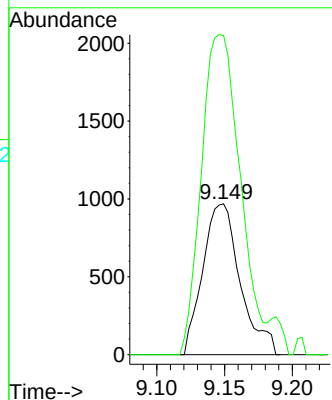
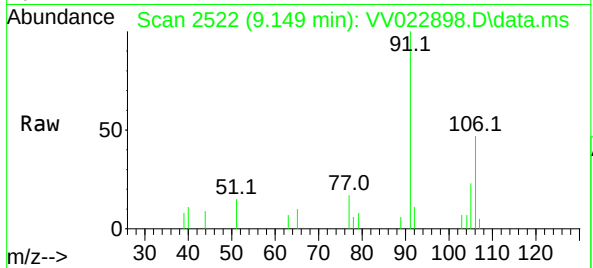




#53
m,p-xylene
Concen: 0.138 ug/L
RT: 9.149 min Scan# 2522
Delta R.T. 0.009 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

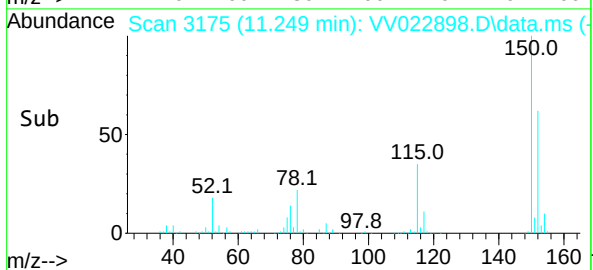
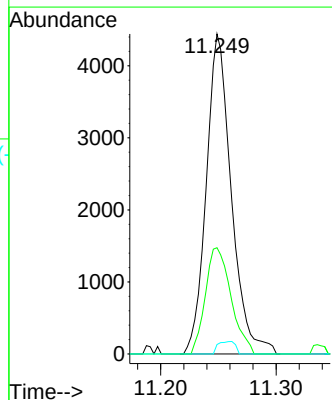
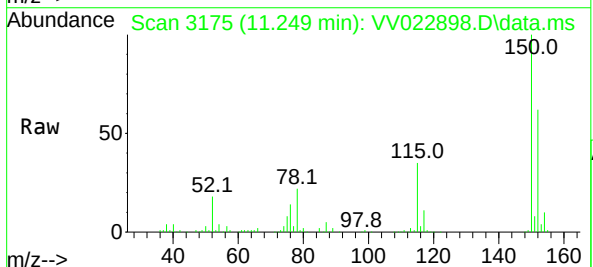
Instrument :
MSVOA_V
ClientSampleId :
BFGD1

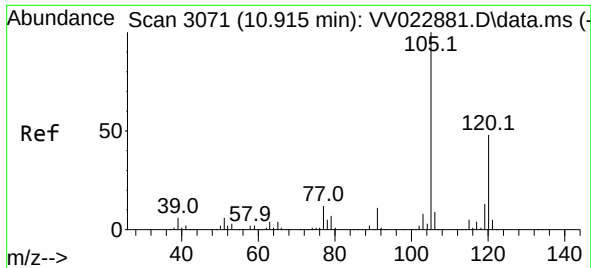
Tgt Ion:106 Resp: 1863
Ion Ratio Lower Upper
106 100
91 211.6 138.7 257.5



#61
1,2,3-Trichloropropane
Concen: 1.686 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

Tgt Ion: 75 Resp: 6691
Ion Ratio Lower Upper
75 100
77 34.0 25.4 38.2
110 2.7 34.2 51.4#

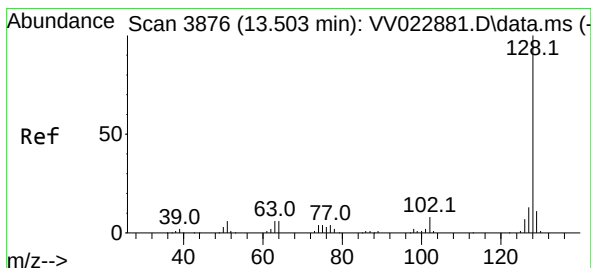
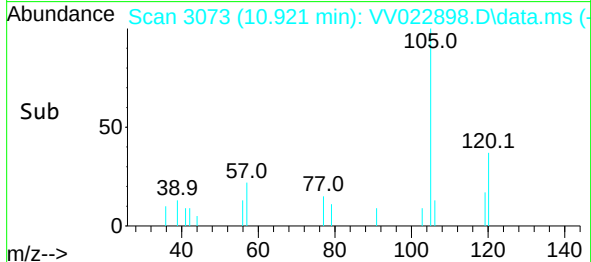
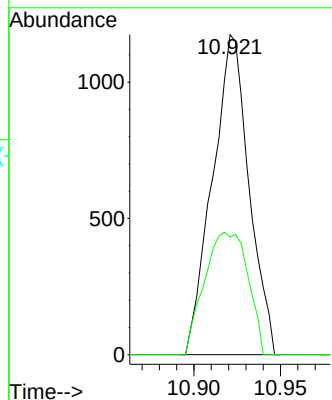
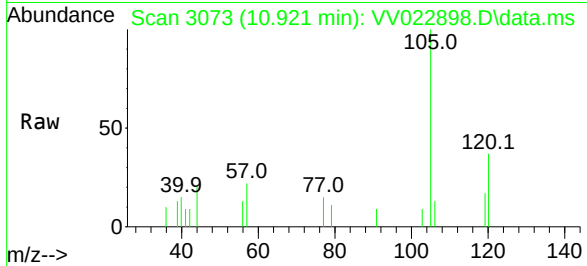




#63
1,2,4-Trimethylbenzene
Concen: 0.074 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.006 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

Instrument :
MSVOA_V
ClientSampled :
BFGD1

Tgt Ion:105 Resp: 1725
Ion Ratio Lower Upper
105 100
120 45.4 37.3 55.9



#71
Naphthalene
Concen: 0.056 ug/L
RT: 13.512 min Scan# 3879
Delta R.T. 0.009 min
Lab File: VV022898.D
Acq: 19 Oct 2021 04:17

Tgt Ion:128 Resp: 785
Ion Ratio Lower Upper
128 100
129 3.1 9.3 13.9#
127 2.9 10.8 16.2#

