

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101421\
 Data File : VV022823.D
 Acq On : 15 Oct 2021 03:51
 Operator : SY/MD
 Sample : M4223-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGC4

Quant Time: Oct 16 03:57:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 16 03:54:29 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	124246	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	126293	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	60998	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	36937	4.321	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.400%
7) Chloroethane-d5	1.568	69	33398	4.348	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.000%
11) 1,1-Dichloroethene-d2	2.108	63	44077	2.629	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.600%#
20) 2-Butanone-d5	3.892	46	82053	36.608	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	73.220%
24) Chloroform-d	4.352	84	74451	4.226	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.037	65	37572	4.394	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
32) Benzene-d6	5.053	84	144718	3.849	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
36) 1,2-Dichloropropane-d6	6.072	67	55643	4.998	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.320	98	147554	4.540	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
43) trans-1,3-Dichloroprop...	7.629	79	15810	4.281	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.600%
46) 2-Hexanone-d5	8.088	63	89678	60.249	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.500%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	39229	5.201	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	59438	5.256	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	802	0.088	ug/L #	65
5) Vinyl chloride	1.311	62	8660	0.921	ug/L	90
8) Chloroethane	1.311	64	3324	0.571	ug/L	90
12) 1,1-Dichloroethene	2.111	96	793	0.106	ug/L #	1
13) Acetone	2.365	43	12137	9.711	ug/L	81
15) Methyl Acetate	2.365	43	12137	3.394	ug/L #	50
17) Methyl tert-butyl Ether	2.770	73	14126	0.778	ug/L	95
18) trans-1,2-Dichloroethene	2.764	96	1540	0.189	ug/L	96
19) 1,1-Dichloroethane	3.195	63	4157	0.283	ug/L	97
22) cis-1,2-Dichloroethene	3.912	96	187233	21.847	ug/L	96
34) Trichloroethene	5.915	95	52108	5.634	ug/L	97
35) Methylcyclohexane	6.072	83	13078	1.009	ug/L #	16
37) 1,2-Dichloropropane	6.072	63	6403	0.783	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1168	0.108	ug/L #	52
42) Toluene	7.400	91	7748	0.224	ug/L	95
45) 1,1,2-Trichloroethane	7.976	97	2684	0.442	ug/L #	4
47) Tetrachloroethene	7.976	164	299887	40.088	ug/L	99
48) 2-Hexanone	8.092	43	10038	3.123	ug/L #	71
49) Dibromochloromethane	7.976	129	261308	36.772	ug/L #	7

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

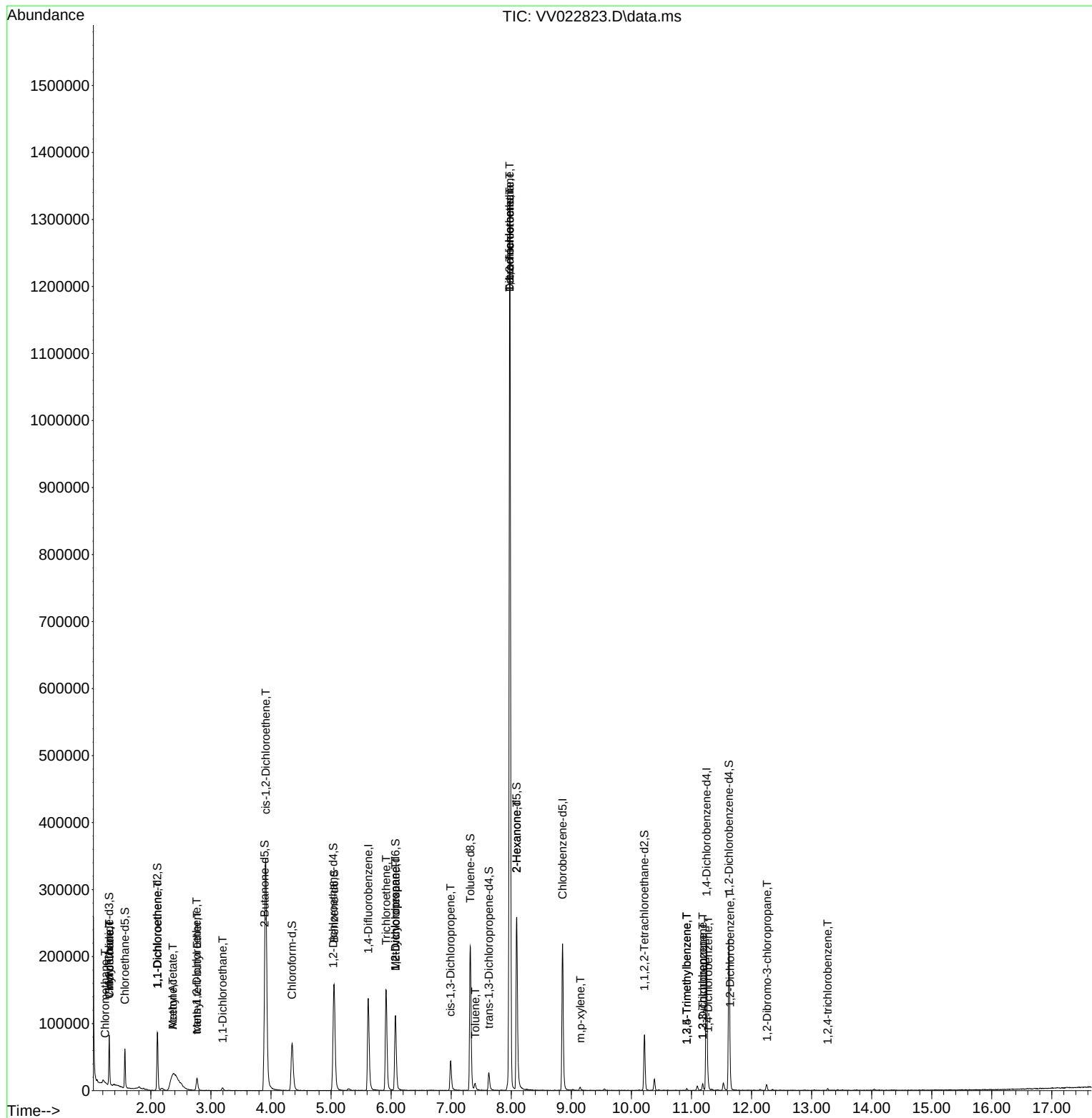
53) m,p-xylene	9.149	106	1612	0.117	ug/L	92
61) 1,2,3-Trichloropropane	11.188	75	1183	0.279	ug/L #	47
62) 1,3,5-Trimethylbenzene	10.921	105	1312	0.052	ug/L	90
63) 1,2,4-Trimethylbenzene	10.921	105	1312	0.052	ug/L	93
64) 1,3-Dichlorobenzene	11.188	146	4507	0.277	ug/L	87
65) 1,4-Dichlorobenzene	11.278	146	4126	0.250	ug/L	98
67) 1,2-Dichlorobenzene	11.644	146	4680	0.307	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.259	75	250	0.324	ug/L #	1
70) 1,2,4-trichlorobenzene	13.268	180	967	0.103	ug/L	95

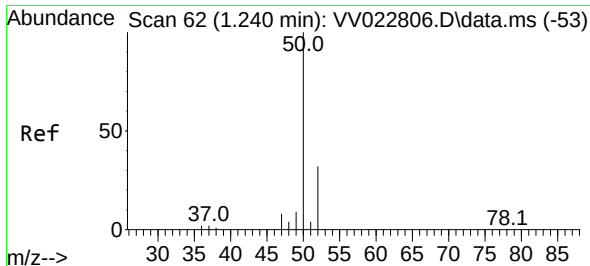
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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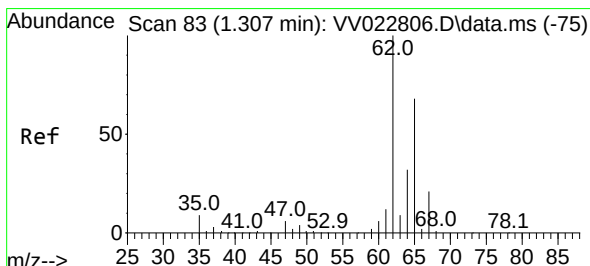
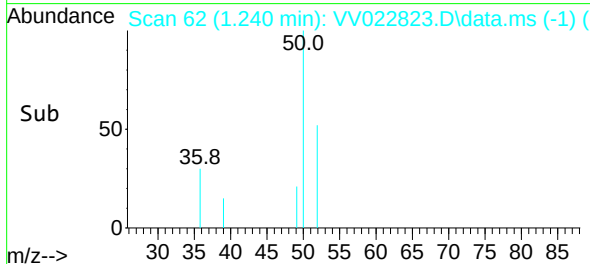
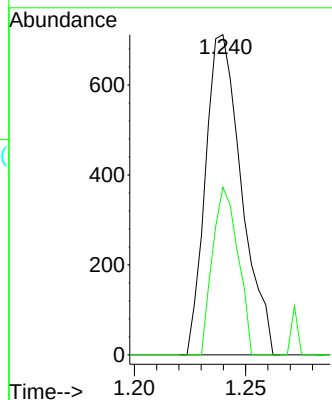
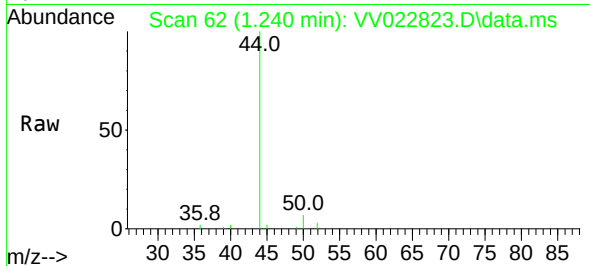




#3
Chloromethane
Concen: 0.088 ug/L
RT: 1.240 min Scan# 62
Delta R.T. 0.000 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

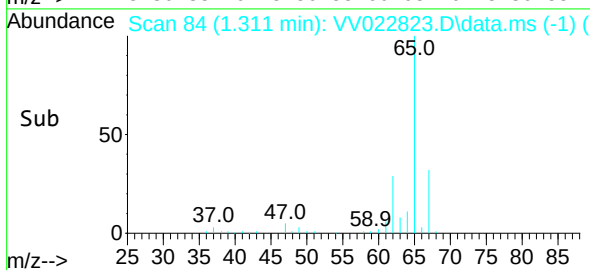
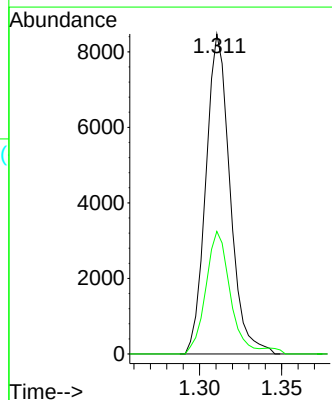
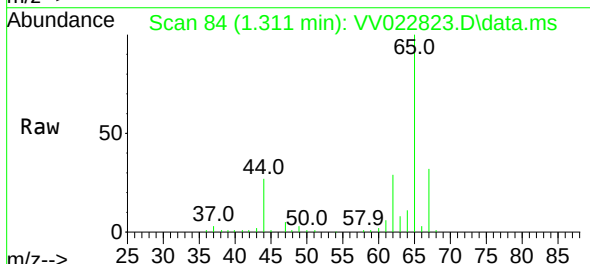
Instrument :
MSVOA_V
ClientSampleId :
BFGC4

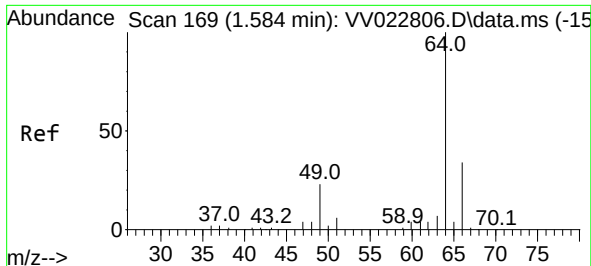
Tgt Ion: 50 Resp: 802
Ion Ratio Lower Upper
50 100
52 52.4 22.9 42.5#



#5
Vinyl chloride
Concen: 0.921 ug/L
RT: 1.311 min Scan# 84
Delta R.T. 0.003 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

Tgt Ion: 62 Resp: 8660
Ion Ratio Lower Upper
62 100
64 38.3 23.0 42.8

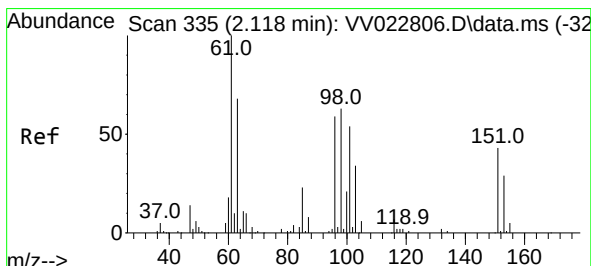
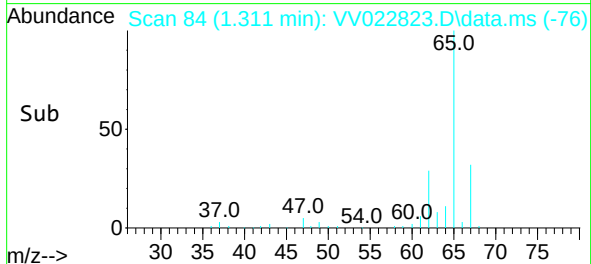
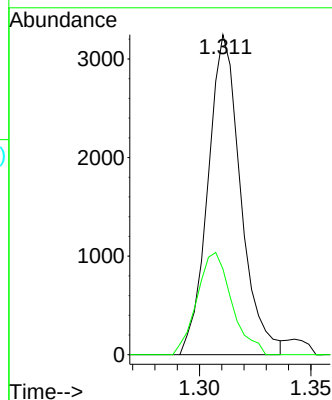
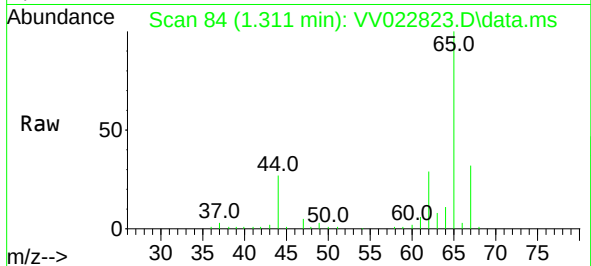




#8
Chloroethane
Concen: 0.571 ug/L
RT: 1.311 min Scan# 84
Delta R.T. -0.273 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

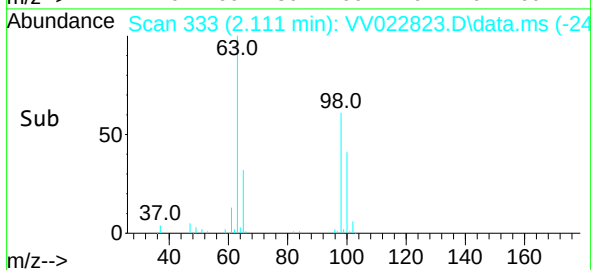
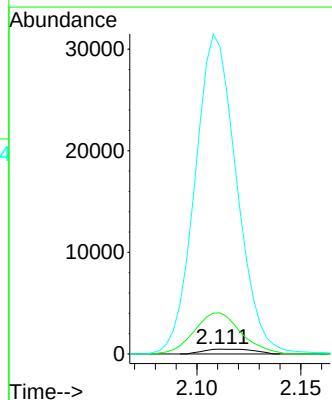
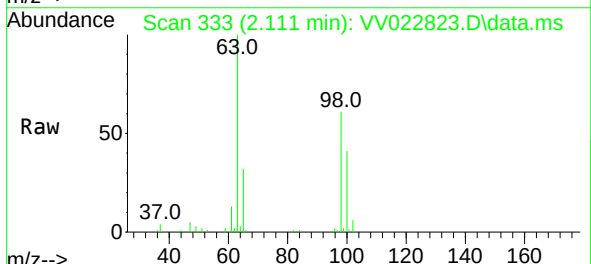
Instrument :
MSVOA_V
ClientSampled :
BFGC4

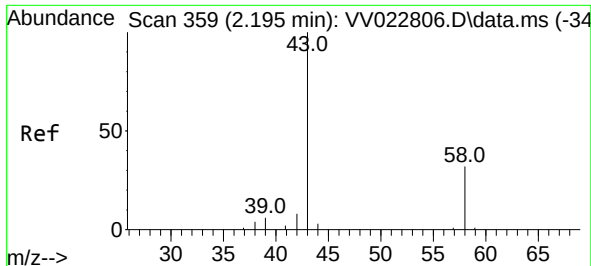
Tgt Ion: 64 Resp: 3324
Ion Ratio Lower Upper
64 100
66 26.8 22.9 42.5



#12
1,1-Dichloroethene
Concen: 0.106 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

Tgt Ion: 96 Resp: 793
Ion Ratio Lower Upper
96 100
61 847.8 127.3 236.5#
63 6332.9 106.2 197.2#

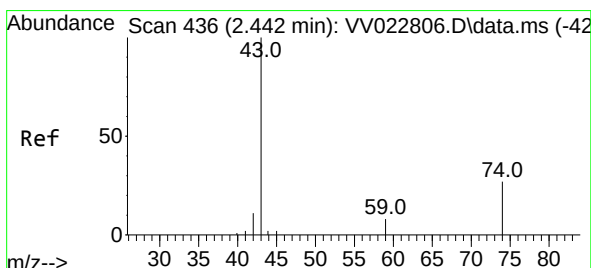
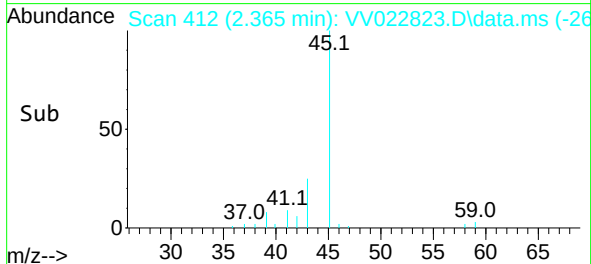
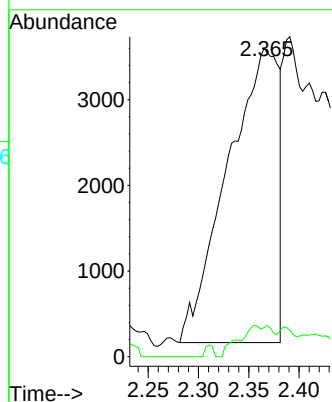
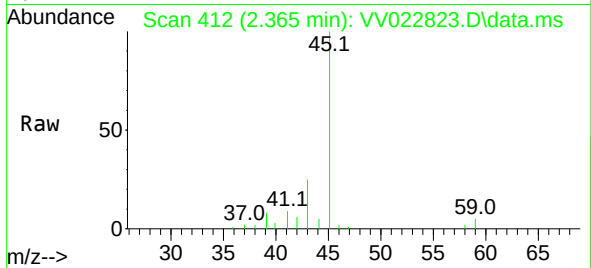




#13
Acetone
Concen: 9.711 ug/L
RT: 2.365 min Scan# 412
Delta R.T. 0.170 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

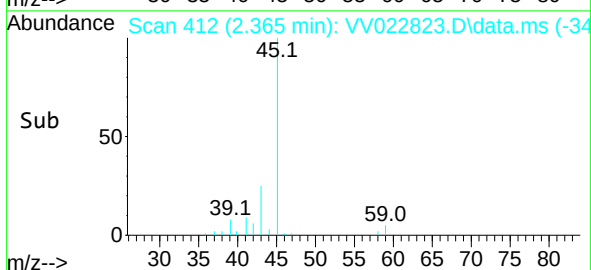
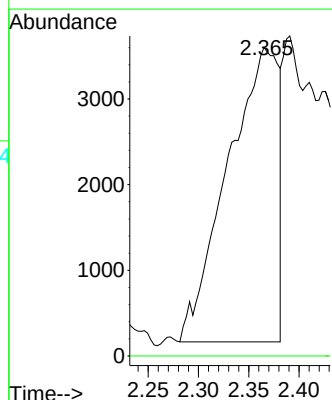
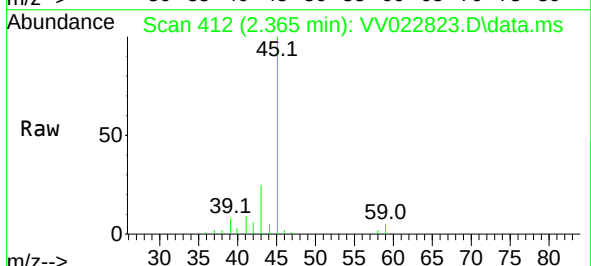
Instrument :
MSVOA_V
ClientSampled :
BFGC4

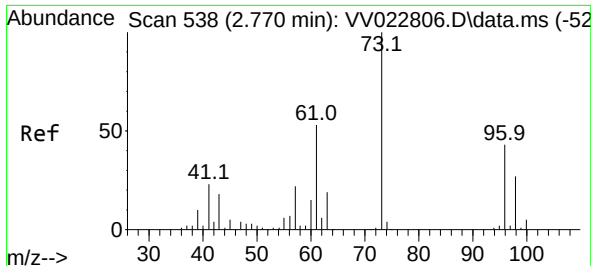
Tgt Ion: 43 Resp: 12137
Ion Ratio Lower Upper
43 100
58 4.6 0.0 24.2



#15
Methyl Acetate
Concen: 3.394 ug/L
RT: 2.365 min Scan# 412
Delta R.T. -0.077 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

Tgt Ion: 43 Resp: 12137
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#

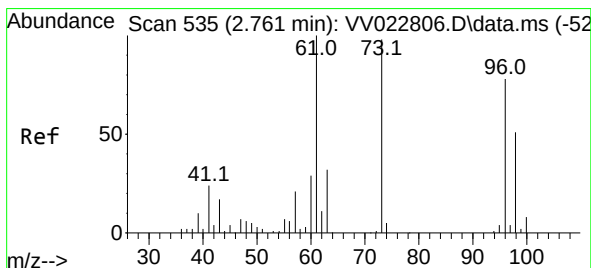
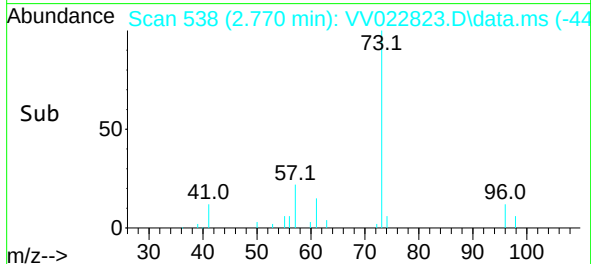
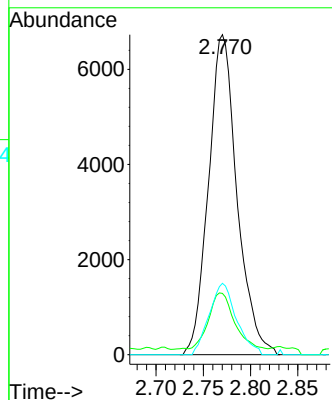
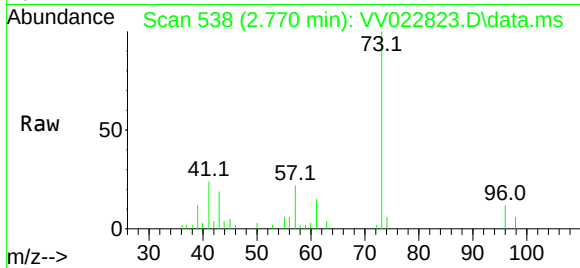




#17
Methyl tert-butyl Ether
Concen: 0.778 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.000 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

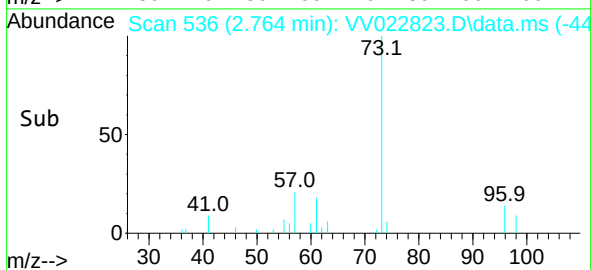
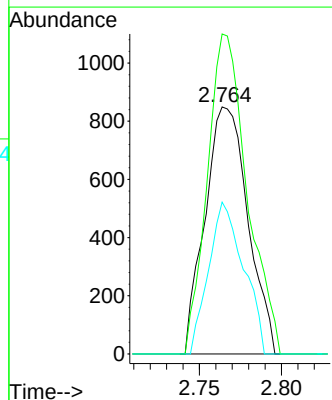
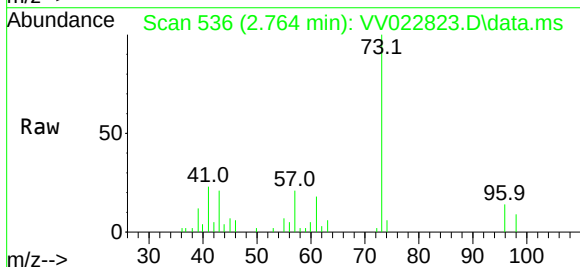
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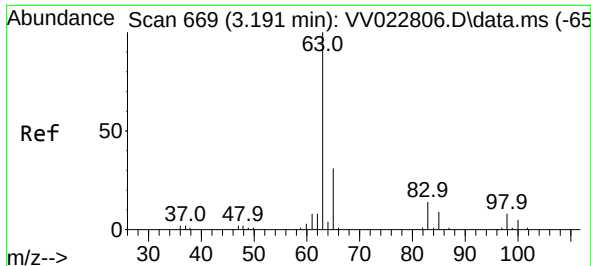
Tgt Ion: 73	Resp: 14126
Ion Ratio	Lower Upper
73 100	
43 17.4	17.1 25.7
57 21.2	17.2 25.8



#18
trans-1,2-Dichloroethene
Concen: 0.189 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

Tgt Ion: 96	Resp: 1540
Ion Ratio	Lower Upper
96 100	
61 129.6	94.5 175.5
98 61.5	44.2 82.0

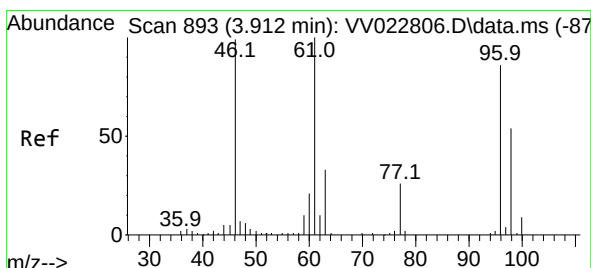
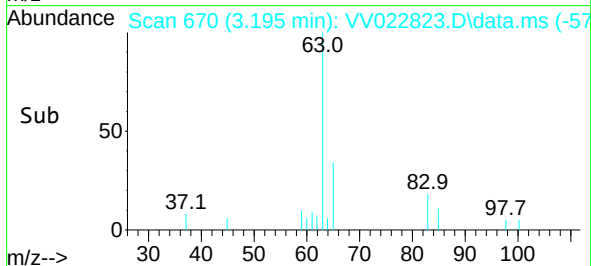
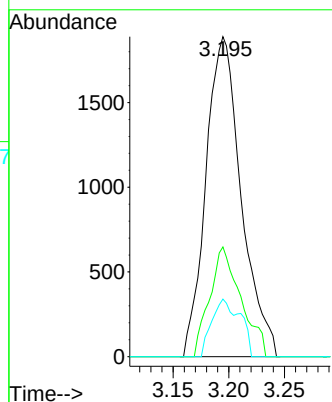
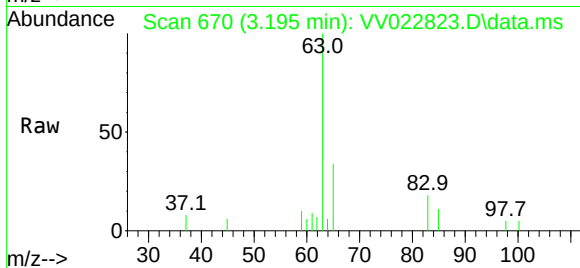




#19
1,1-Dichloroethane
Concen: 0.283 ug/L
RT: 3.195 min Scan# 670
Delta R.T. 0.003 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

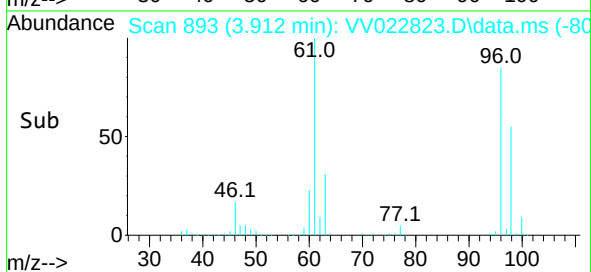
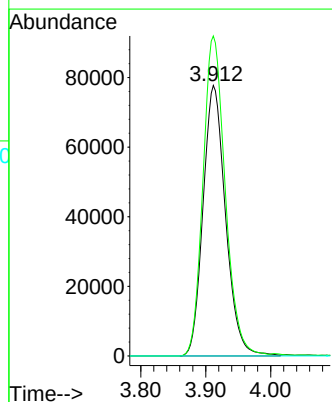
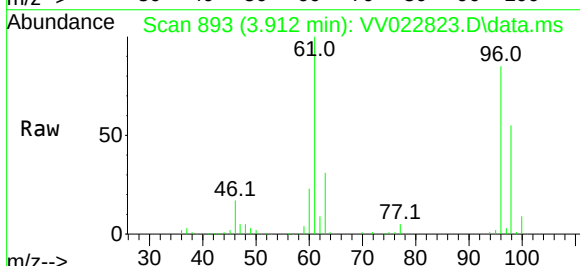
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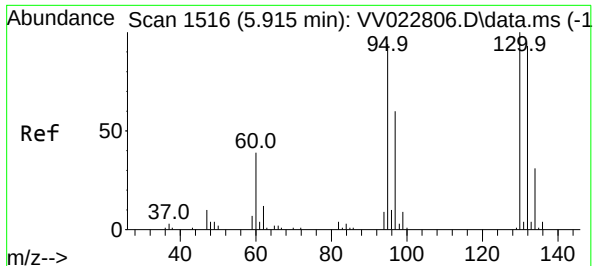
Tgt Ion:	63	Resp:	4157
Ion	Ratio	Lower	Upper
63	100		
65	34.3	23.5	43.7
83	18.0	10.1	18.7



#22
cis-1,2-Dichloroethene
Concen: 21.847 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.000 min
Lab File: VV022823.D
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Tgt Ion:	96	Resp:	187233
Ion	Ratio	Lower	Upper
96	100		
61	118.3	86.0	159.6
68	0.0	0.0	0.0

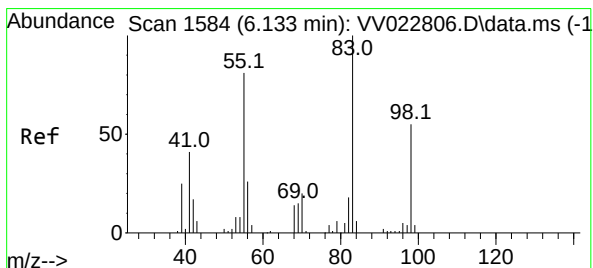
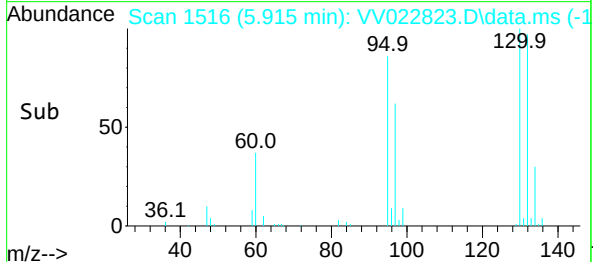
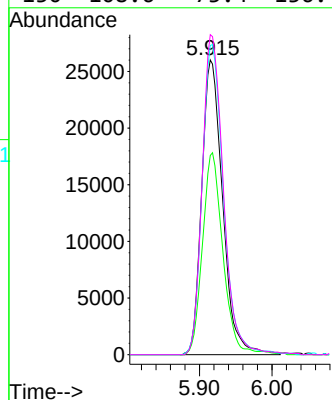
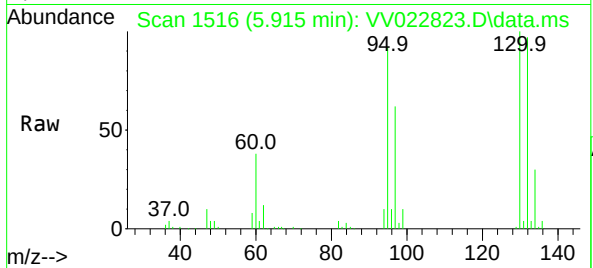




#34
Trichloroethene
Concen: 5.634 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.000 min
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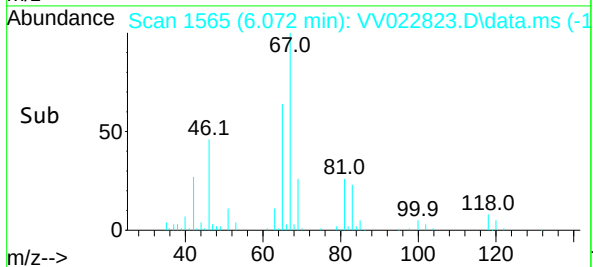
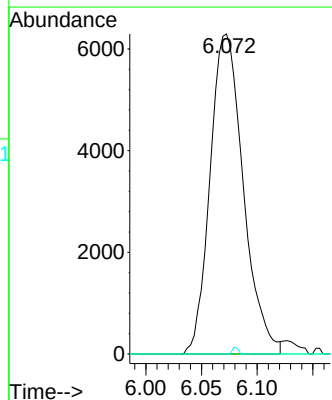
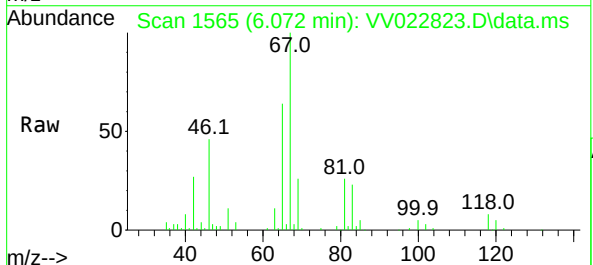
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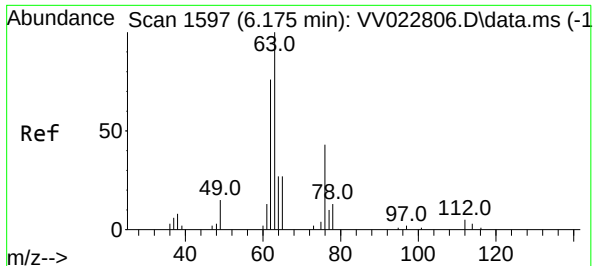
Tgt Ion: 95 Resp: 52108
Ion Ratio Lower Upper
95 100
97 67.6 45.8 85.2
132 105.0 72.2 134.0
130 108.6 73.4 136.4



#35
Methylcyclohexane
Concen: 1.009 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.061 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

Tgt Ion: 83 Resp: 13078
Ion Ratio Lower Upper
83 100
55 0.0 63.8 95.6#
98 0.4 42.1 63.1#



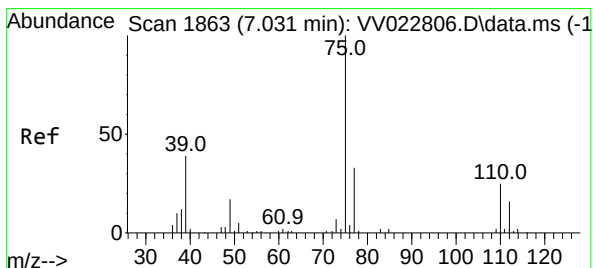
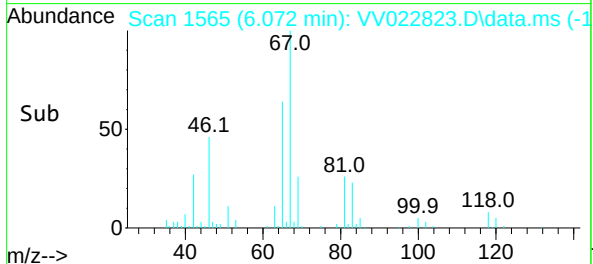
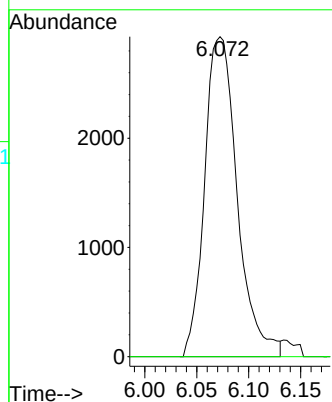
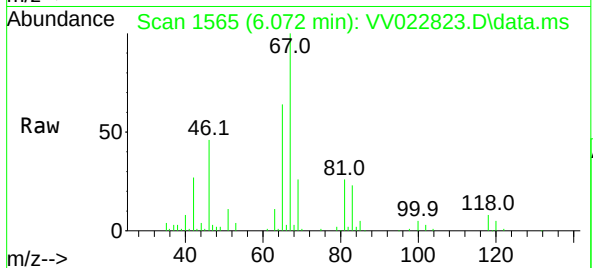


#37

1,2-Dichloropropane
Concen: 0.783 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.103 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

Instrument :
MSVOA_V
ClientSampled :
BFGC4

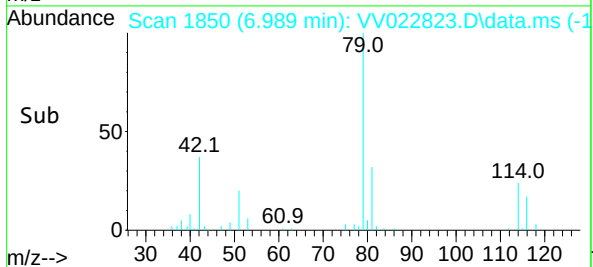
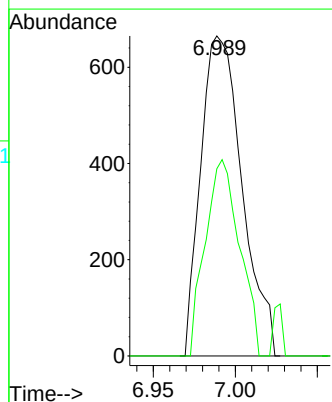
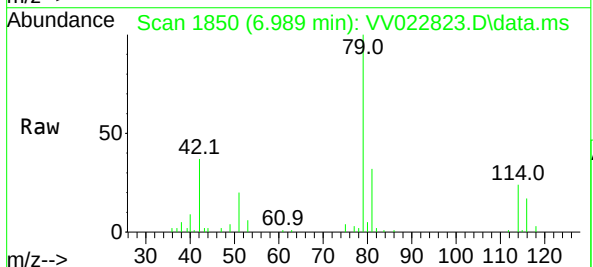
Tgt Ion: 63 Resp: 6403
Ion Ratio Lower Upper
63 100
112 0.0 4.4 6.6#

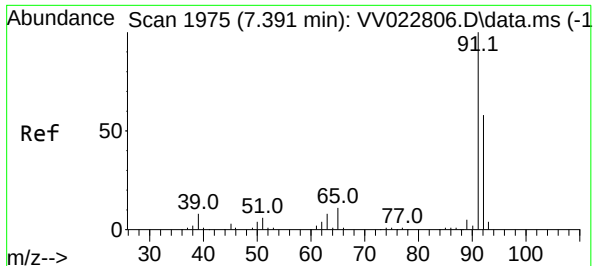


#39

cis-1,3-Dichloropropene
Concen: 0.108 ug/L
RT: 6.989 min Scan# 1850
Delta R.T. -0.042 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

Tgt Ion: 75 Resp: 1168
Ion Ratio Lower Upper
75 100
77 58.5 22.3 41.3#





#42

Toluene

Concen: 0.224 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.010 min

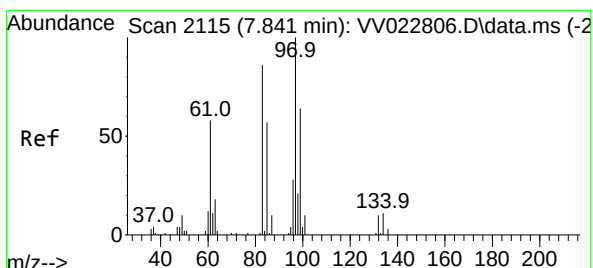
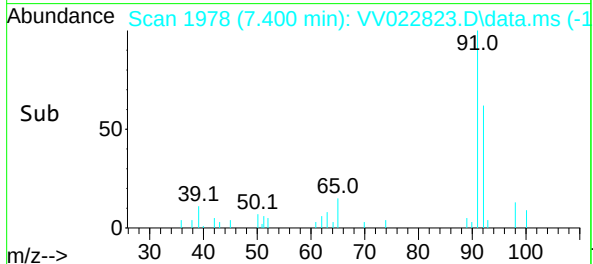
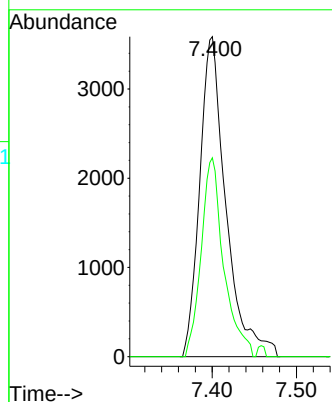
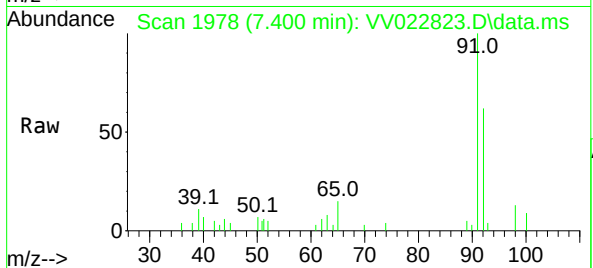
Lab File: VV022823.D

Acq: 15 Oct 2021 03:51

Tgt Ion: 91 Resp: 7748

Ion	Ratio	Lower	Upper
91	100		
92	62.2	40.7	75.7

Instrument :
MSVOA_V
ClientSampleId :
BFGC4



#45

1,1,2-Trichloroethane

Concen: 0.442 ug/L

RT: 7.976 min Scan# 2157

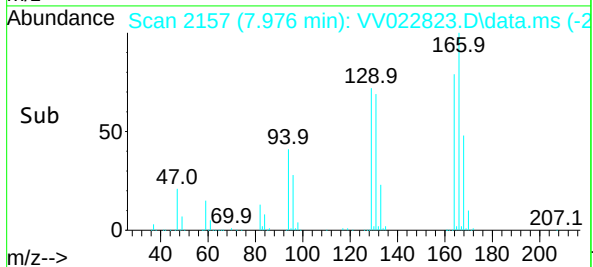
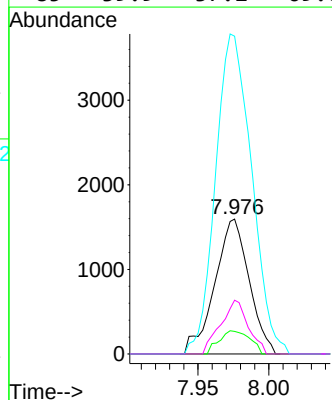
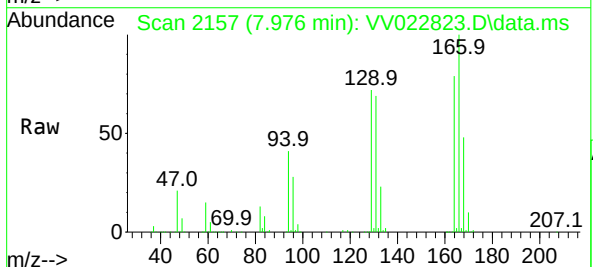
Delta R.T. 0.135 min

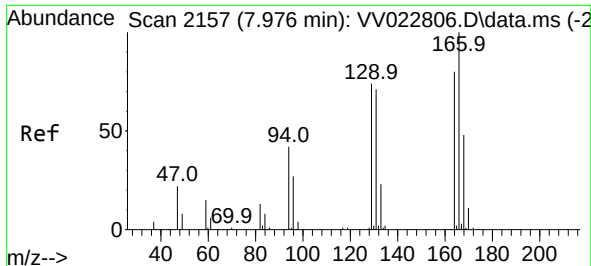
Lab File: VV022823.D

Acq: 15 Oct 2021 03:51

Tgt Ion: 97 Resp: 2684

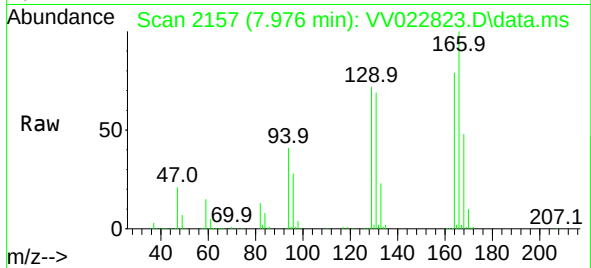
Ion	Ratio	Lower	Upper
97	100		
99	16.8	44.5	82.7#
83	235.6	56.6	105.0#
85	39.9	37.2	69.0



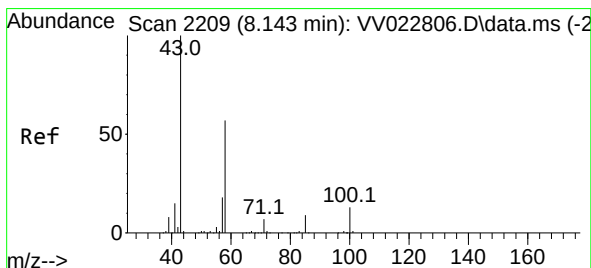
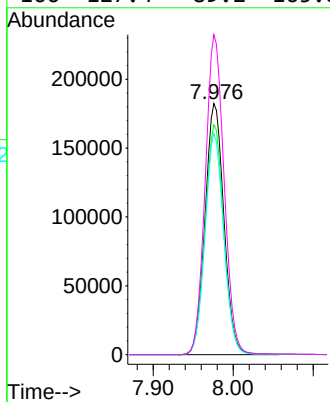
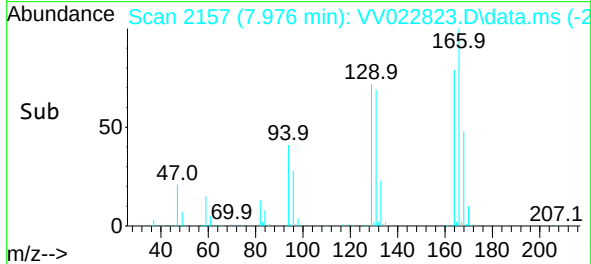


#47
Tetrachloroethene
Concen: 40.088 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

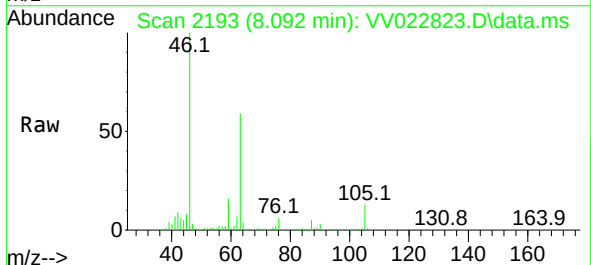
Instrument :
MSVOA_V
ClientSampled :
BFGC4



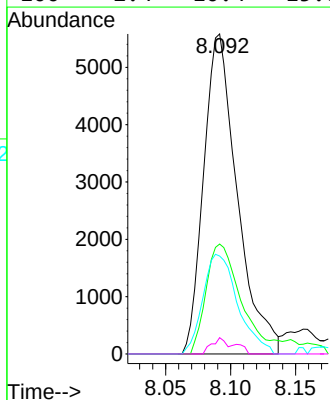
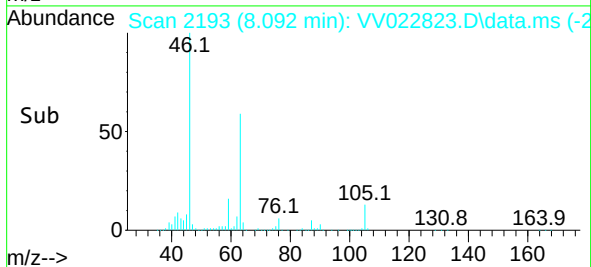
Tgt Ion:164 Resp: 299887
Ion Ratio Lower Upper
164 100
129 91.5 65.0 120.6
131 87.9 62.2 115.4
166 127.4 89.2 165.8

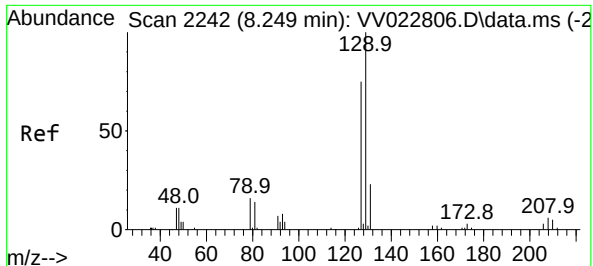


#48
2-Hexanone
Concen: 3.123 ug/L
RT: 8.092 min Scan# 2193
Delta R.T. -0.051 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51



Tgt Ion: 43 Resp: 10038
Ion Ratio Lower Upper
43 100
58 36.6 47.4 71.0#
57 32.4 15.3 22.9#
100 2.4 10.4 15.6#





#49

Dibromochloromethane

Concen: 36.772 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV022823.D

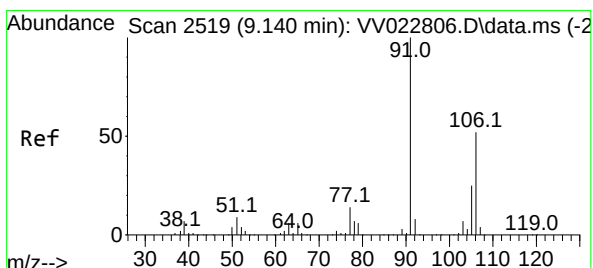
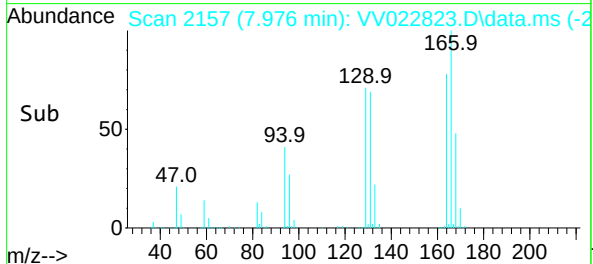
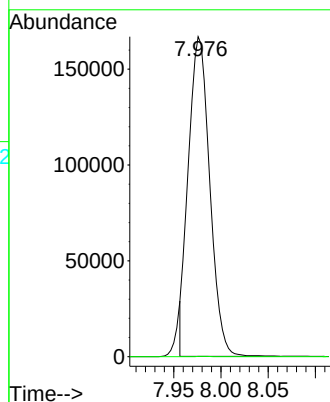
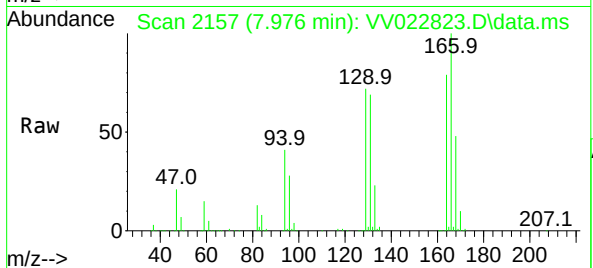
Acq: 15 Oct 2021 03:51

Tgt Ion:129 Resp: 261308

Ion Ratio Lower Upper

129 100

127 0.1 59.1 109.9#



#53

m,p-xylene

Concen: 0.117 ug/L

RT: 9.149 min Scan# 2522

Delta R.T. 0.010 min

Lab File: VV022823.D

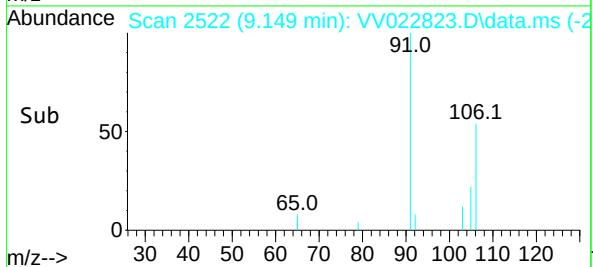
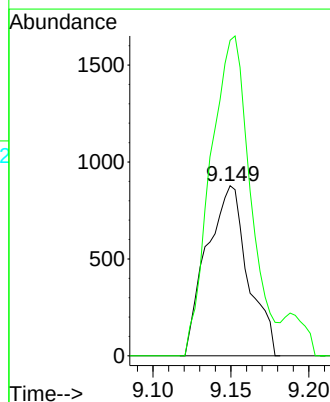
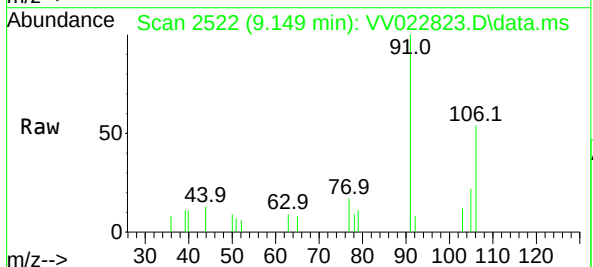
Acq: 15 Oct 2021 03:51

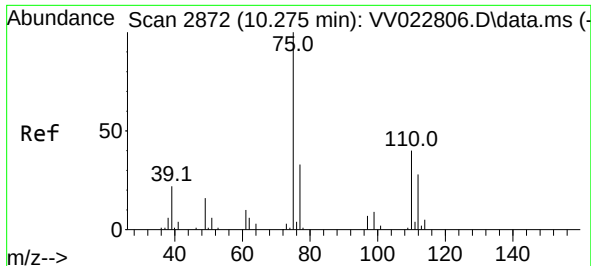
Tgt Ion:106 Resp: 1612

Ion Ratio Lower Upper

106 100

91 185.4 138.7 257.5

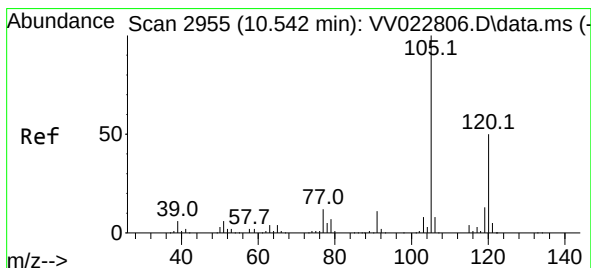
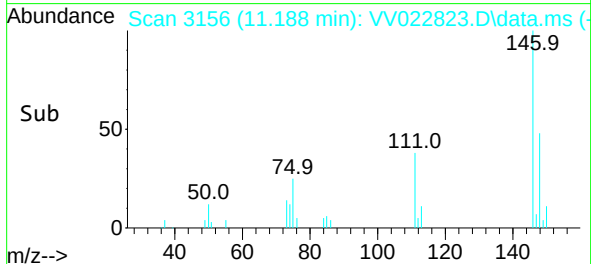
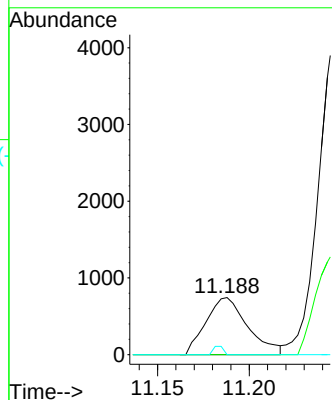
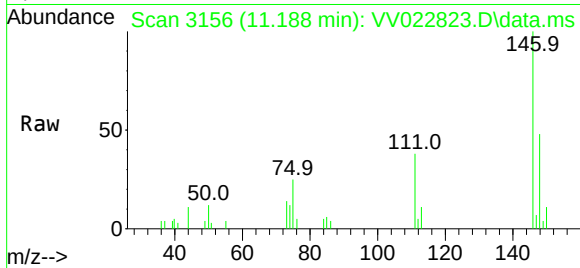




#61
1,2,3-Trichloropropane
Concen: 0.279 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.913 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

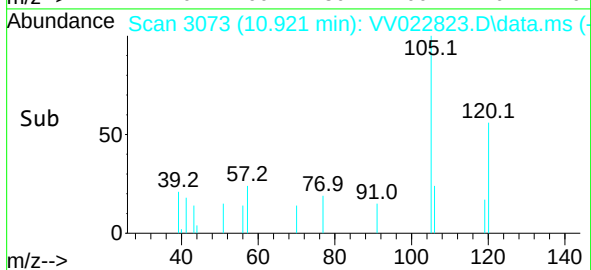
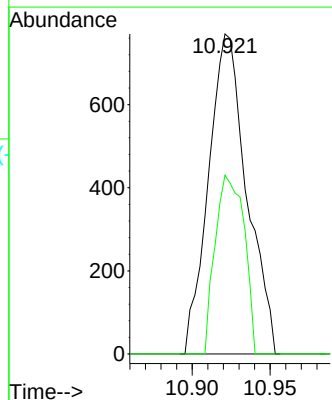
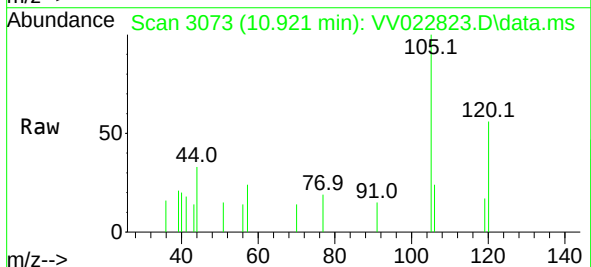
Instrument :
MSVOA_V
ClientSampleId :
BFGC4

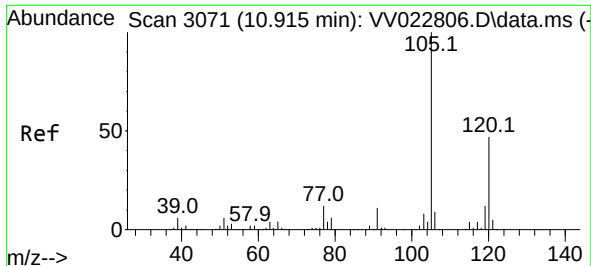
Tgt Ion: 75 Resp: 1183
Ion Ratio Lower Upper
75 100
77 9.0 25.4 38.2#
110 3.6 34.2 51.4#



#62
1,3,5-Trimethylbenzene
Concen: 0.052 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.379 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

Tgt Ion: 105 Resp: 1312
Ion Ratio Lower Upper
105 100
120 42.1 39.4 59.2

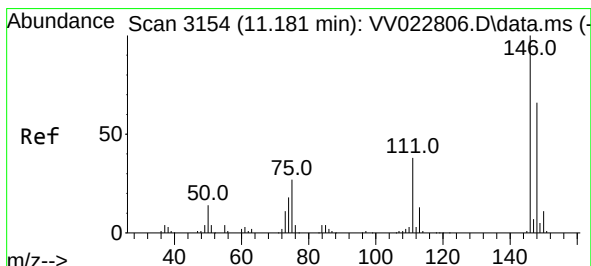
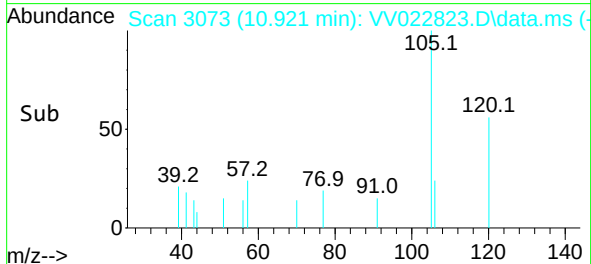
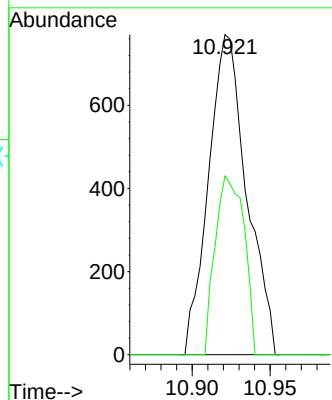
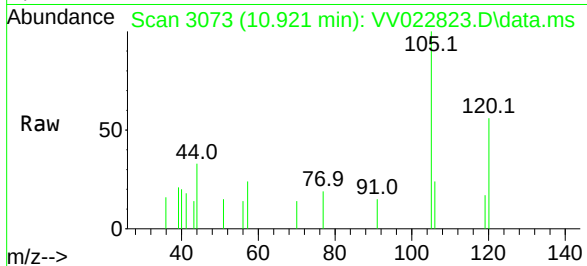




#63
1,2,4-Trimethylbenzene
Concen: 0.052 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.006 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

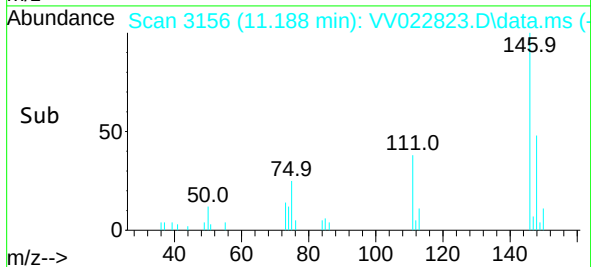
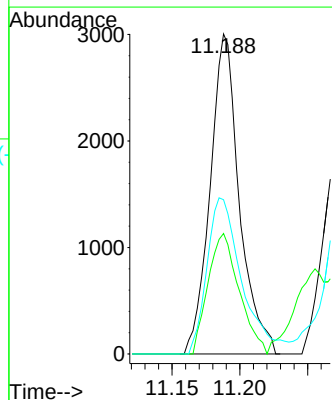
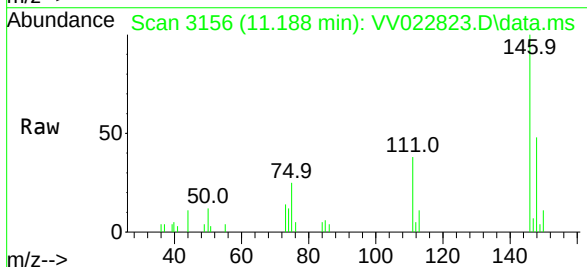
Instrument :
MSVOA_V
ClientSampled :
BFGC4

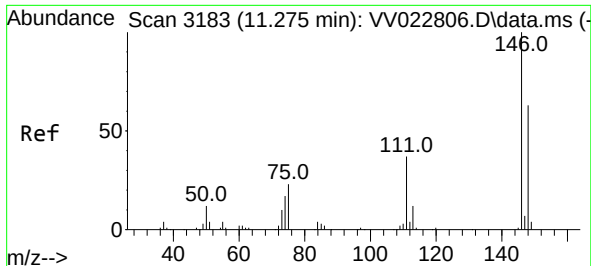
Tgt Ion:105 Resp: 1312
Ion Ratio Lower Upper
105 100
120 42.1 37.3 55.9



#64
1,3-Dichlorobenzene
Concen: 0.277 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

Tgt Ion:146 Resp: 4507
Ion Ratio Lower Upper
146 100
111 37.7 26.7 49.5
148 48.2 45.1 83.9

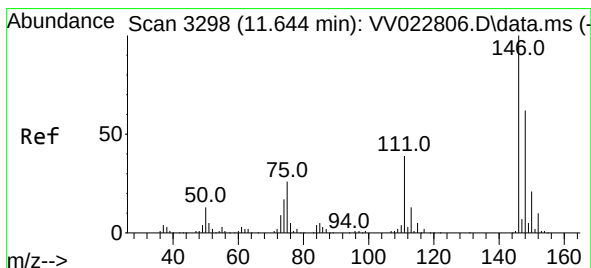
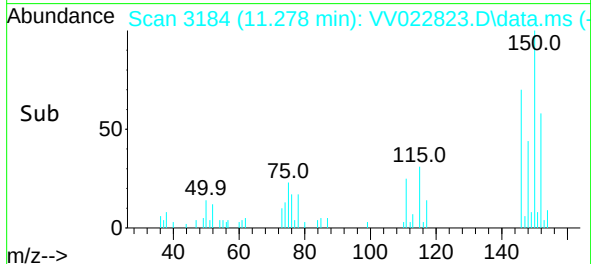
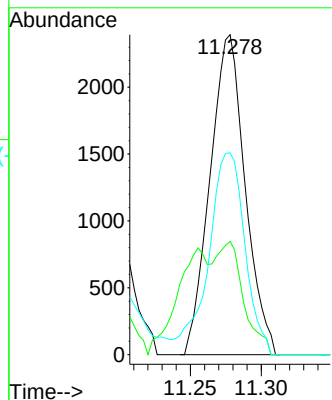
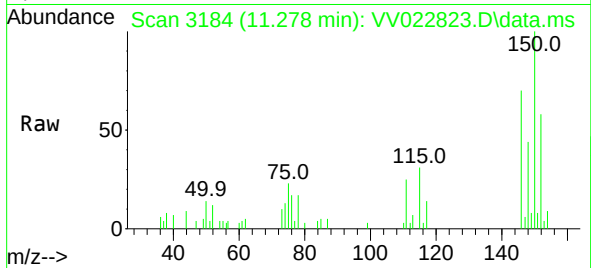




#65
1,4-Dichlorobenzene
Concen: 0.250 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

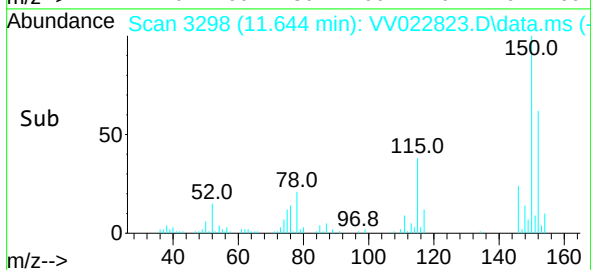
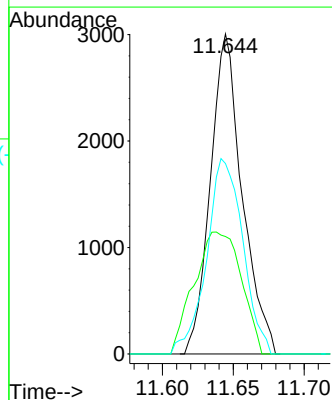
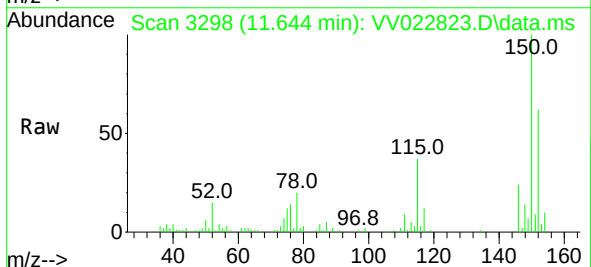
Instrument :
MSVOA_V
ClientSampled :
BFGC4

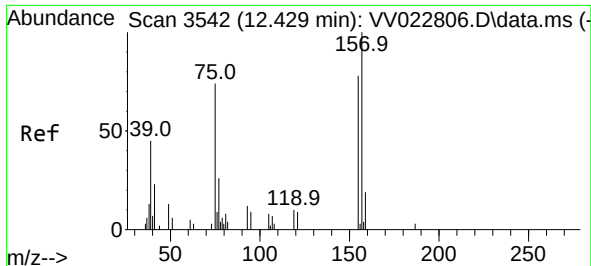
Tgt Ion:146 Resp: 4126
Ion Ratio Lower Upper
146 100
111 35.4 25.6 47.4
148 63.1 44.9 83.5



#67
1,2-Dichlorobenzene
Concen: 0.307 ug/L
RT: 11.644 min Scan# 3298
Delta R.T. 0.000 min
Lab File: VV022823.D
Acq: 15 Oct 2021 03:51

Tgt Ion:146 Resp: 4680
Ion Ratio Lower Upper
146 100
111 36.7 32.3 48.5
148 59.5 52.1 78.1

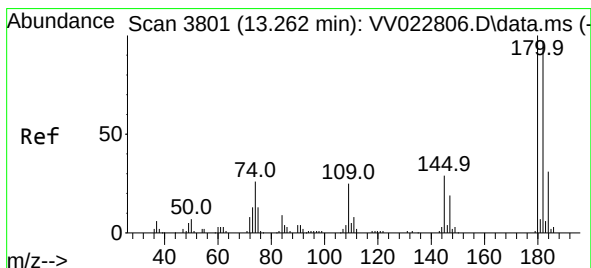
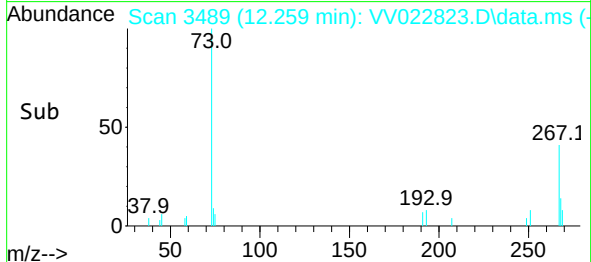
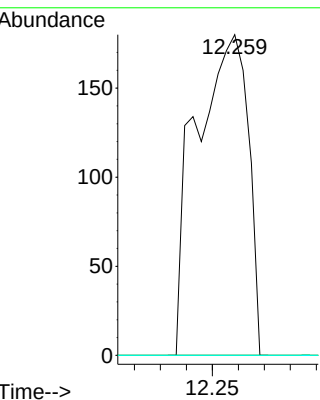
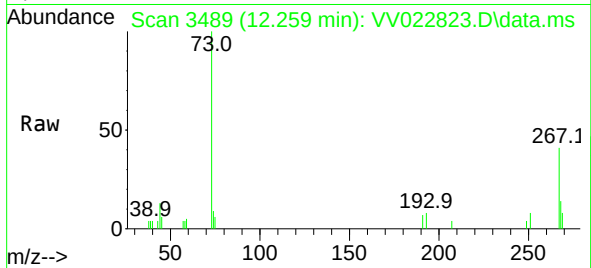




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.324 ug/L
 RT: 12.259 min Scan# 3489
 Delta R.T. -0.170 min
 Lab File: VV022823.D
 Acq: 15 Oct 2021 03:51

Instrument :
 MSVOA_V
 ClientSampled :
 BFGC4

Tgt Ion: 75 Resp: 250
 Ion Ratio Lower Upper
 75 100
 155 0.0 82.4 123.6#
 157 0.0 114.1 171.1#



#70
 1,2,4-trichlorobenzene
 Concen: 0.103 ug/L
 RT: 13.268 min Scan# 3803
 Delta R.T. 0.006 min
 Lab File: VV022823.D
 Acq: 15 Oct 2021 03:51

Tgt Ion: 180 Resp: 967
 Ion Ratio Lower Upper
 180 100
 182 89.2 76.0 114.0
 145 27.9 24.1 36.1

