

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101421\
 Data File : VW022822.D
 Acq On : 15 Oct 2021 03:27
 Operator : SY/MD
 Sample : M4223-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGC3

Quant Time: Oct 16 03:57:49 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)

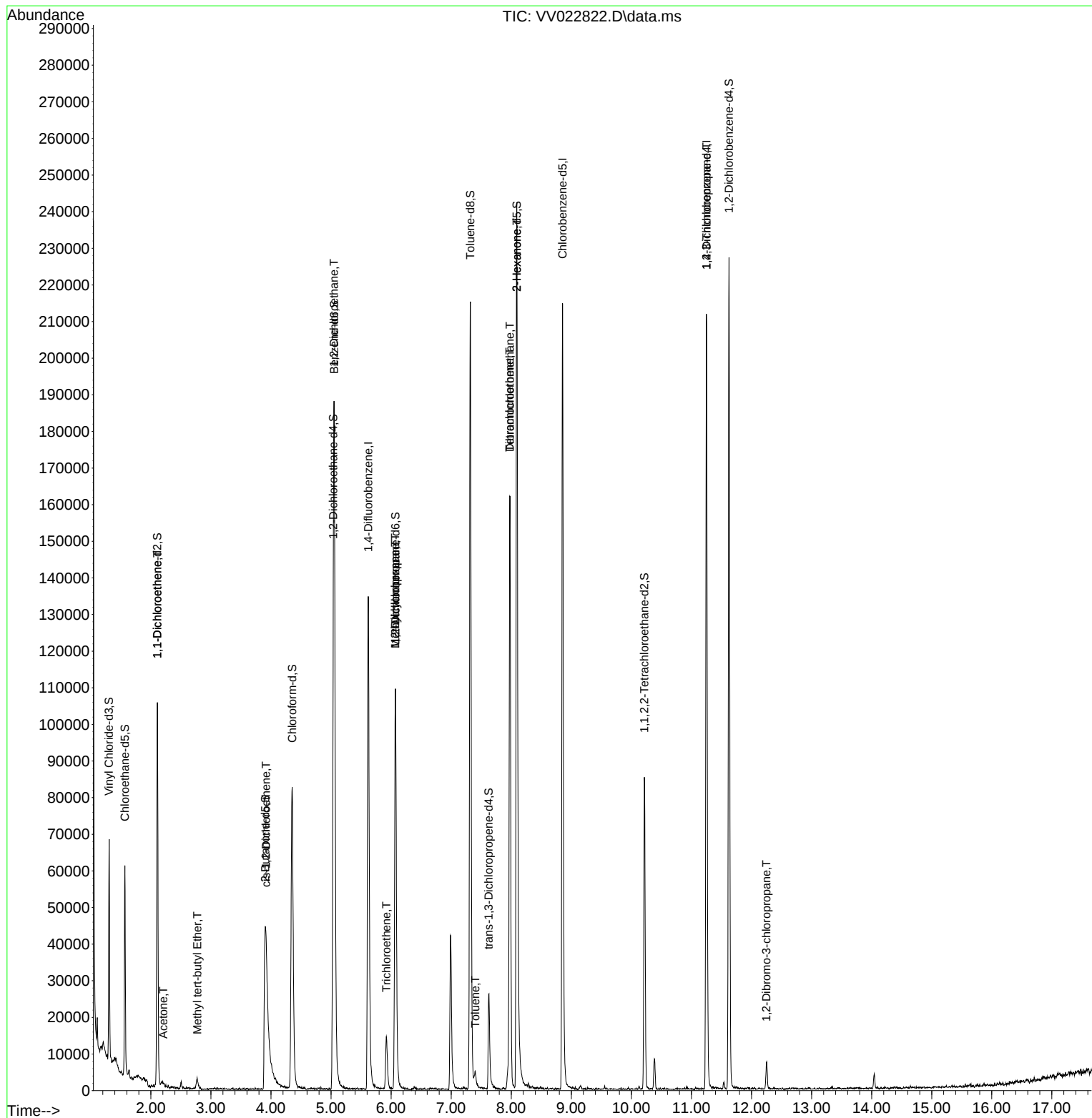
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	122187	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	123602	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	59438	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	37508	4.462	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.200%
7) Chloroethane-d5	1.568	69	33662	4.456	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.200%
11) 1,1-Dichloroethene-d2	2.108	63	53234	3.228	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.600%
20) 2-Butanone-d5	3.905	46	100651	45.662	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.320%
24) Chloroform-d	4.352	84	88394	5.102	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.000%
26) 1,2-Dichloroethane-d4	5.037	65	41435	4.928	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	5.053	84	170496	4.634	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.600%
36) 1,2-Dichloropropane-d6	6.072	67	54716	5.021	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.400%
41) Toluene-d8	7.317	98	145771	4.583	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	7.625	79	15990	4.424	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.400%
46) 2-Hexanone-d5	8.092	63	87341	59.956	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.920%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40395	5.472	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	60818	5.519	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.400%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.108	96	628	0.085	ug/L #	1
13) Acetone	2.208	43	1620	1.318	ug/L	85
17) Methyl tert-butyl Ether	2.773	73	2256	0.126	ug/L #	81
22) cis-1,2-Dichloroethene	3.915	96	3513	0.417	ug/L	95
27) 1,2-Dichloroethane	5.047	62	1096	0.131	ug/L #	69
34) Trichloroethene	5.921	95	4603	0.508	ug/L	94
35) Methylcyclohexane	6.069	83	13118	1.034	ug/L #	17
37) 1,2-Dichloropropane	6.069	63	5737	0.717	ug/L #	85
42) Toluene	7.404	91	3115	0.092	ug/L	95
47) Tetrachloroethene	7.976	164	37176	5.078	ug/L	99
48) 2-Hexanone	8.092	43	10331	3.284	ug/L #	67
49) Dibromochloromethane	7.979	129	33500	4.817	ug/L #	7
61) 1,2,3-Trichloropropane	11.249	75	6906	1.672	ug/L #	63
68) 1,2-Dibromo-3-chloropr...	12.246	75	263	0.350	ug/L #	1

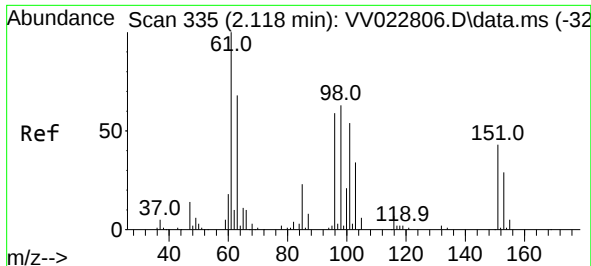
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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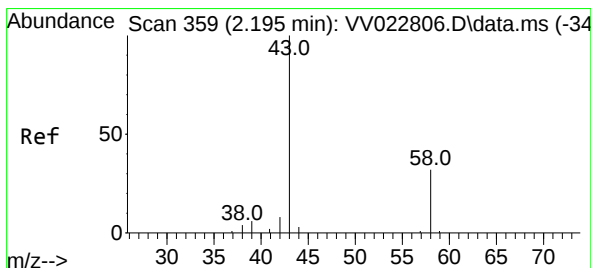
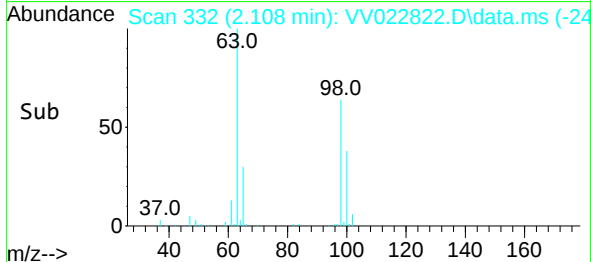
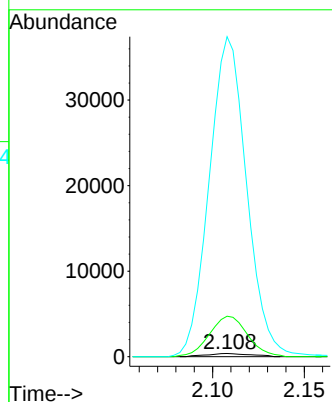
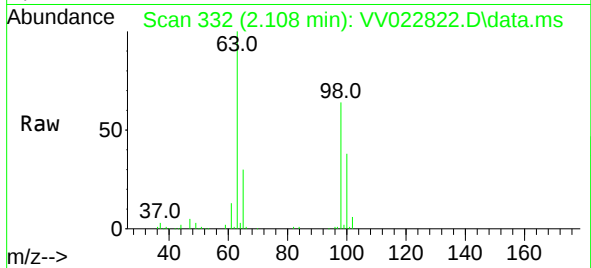




#12
1,1-Dichloroethene
Concen: 0.085 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.010 min
Lab File: VV022822.D
Acq: 15 Oct 2021 03:27

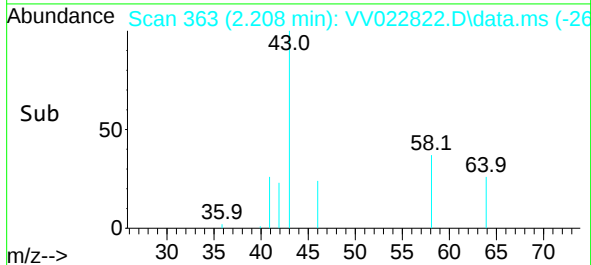
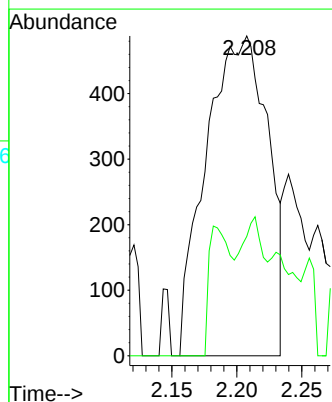
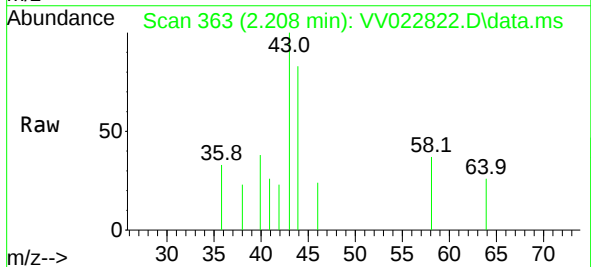
Instrument :
MSVOA_V
ClientSampleId :
BFGC3

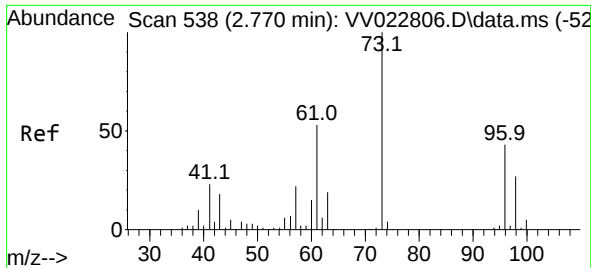
Tgt Ion: 96 Resp: 628
Ion Ratio Lower Upper
96 100
61 1288.3 127.3 236.5#
63 10167.4 106.2 197.2#



#13
Acetone
Concen: 1.318 ug/L
RT: 2.208 min Scan# 363
Delta R.T. 0.013 min
Lab File: VV022822.D
Acq: 15 Oct 2021 03:27

Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
58 6.4 0.0 24.2

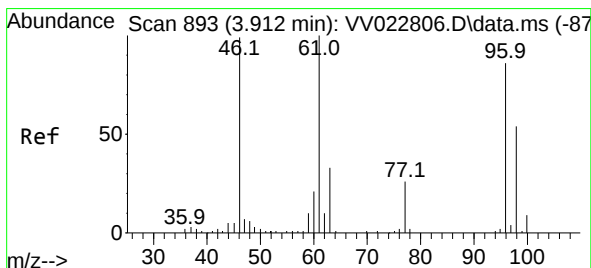
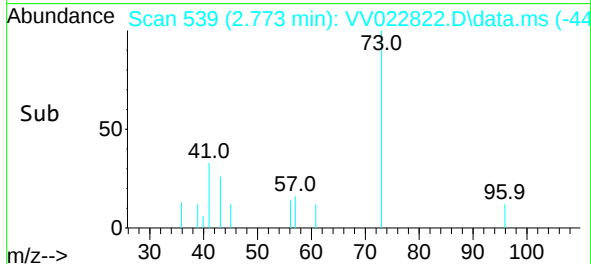
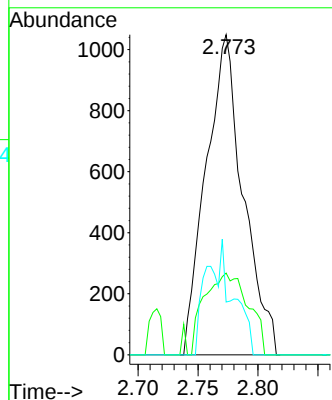
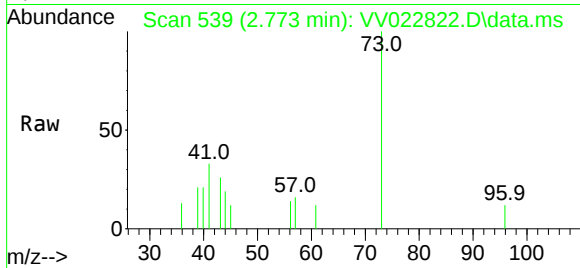




#17
Methyl tert-butyl Ether
Concen: 0.126 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.003 min
Lab File: VV022822.D
Acq: 15 Oct 2021 03:27

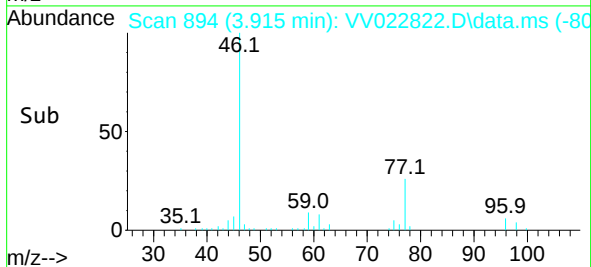
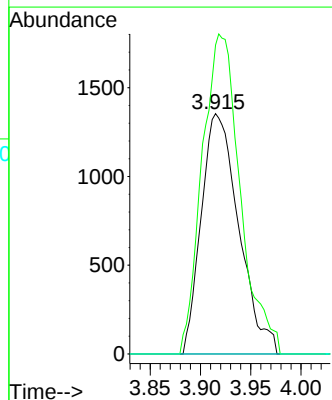
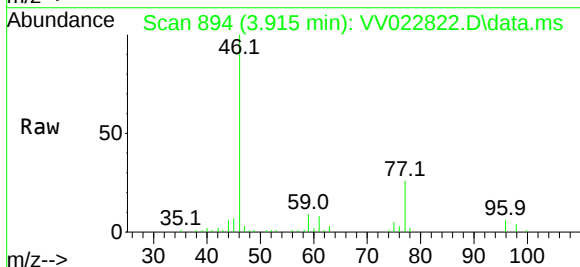
Instrument :
MSVOA_V
ClientSampleId :
BFGC3

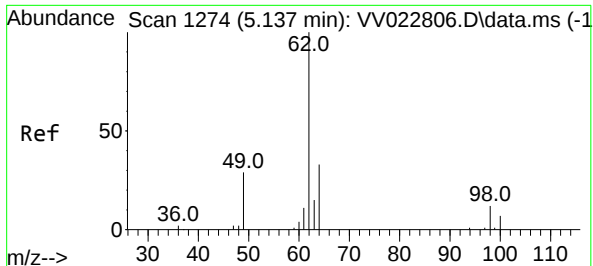
Tgt Ion: 73 Resp: 2256
Ion Ratio Lower Upper
73 100
43 30.2 17.1 25.7#
57 12.8 17.2 25.8#



#22
cis-1,2-Dichloroethene
Concen: 0.417 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.003 min
Lab File: VV022822.D
Acq: 15 Oct 2021 03:27

Tgt Ion: 96 Resp: 3513
Ion Ratio Lower Upper
96 100
61 128.6 86.0 159.6
68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.131 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.090 min

Lab File: VV022822.D

Acq: 15 Oct 2021 03:27

Instrument :

MSVOA_V

ClientSampleId :

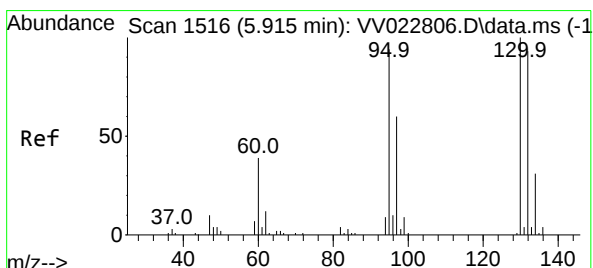
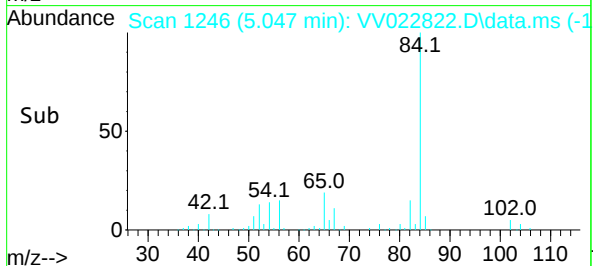
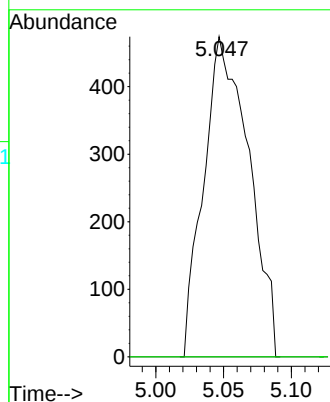
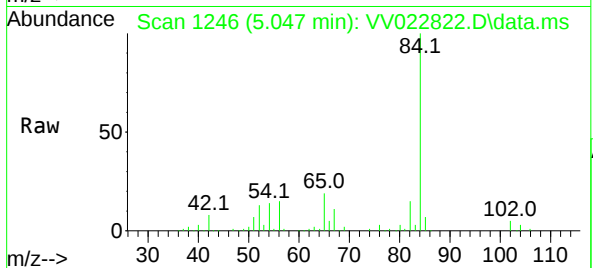
BFGC3

Tgt Ion: 62 Resp: 1096

Ion Ratio Lower Upper

62 100

98 0.0 9.7 14.5#



#34

Trichloroethene

Concen: 0.508 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.006 min

Lab File: VV022822.D

Acq: 15 Oct 2021 03:27

Tgt Ion: 95 Resp: 4603

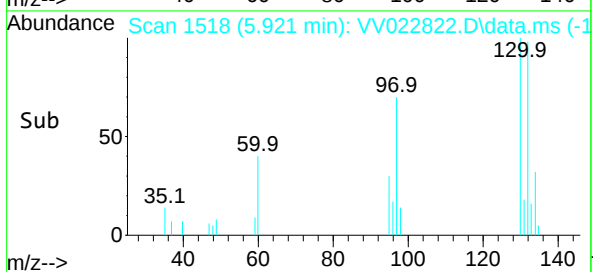
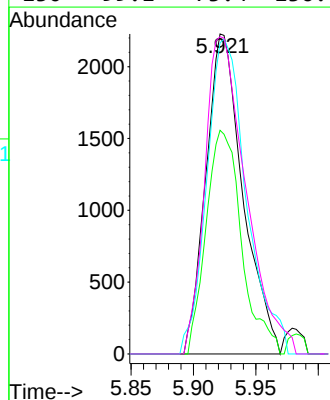
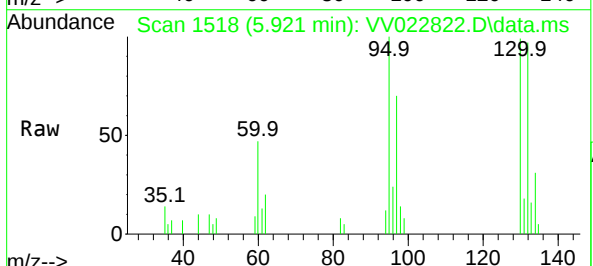
Ion Ratio Lower Upper

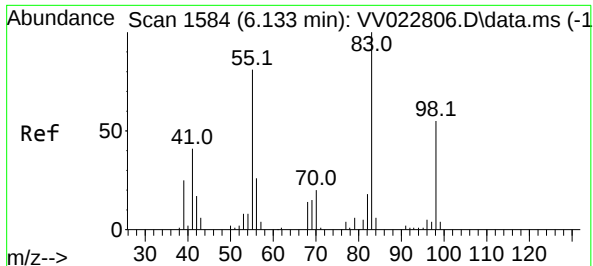
95 100

97 69.9 45.8 85.2

132 97.3 72.2 134.0

130 99.1 73.4 136.4

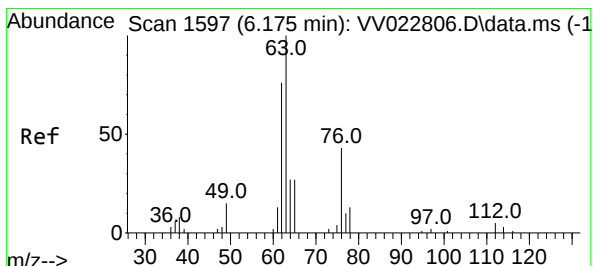
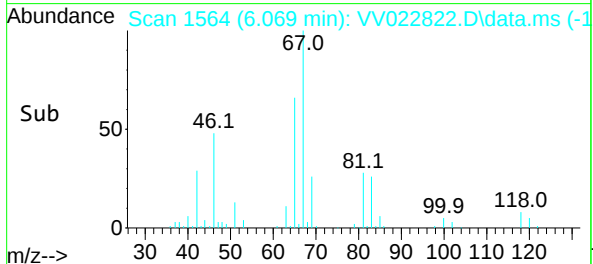
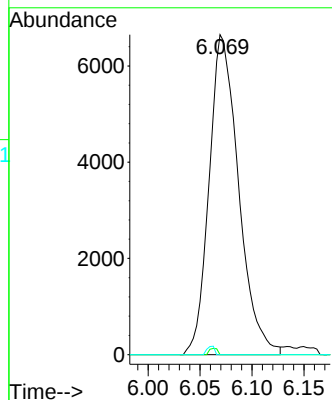
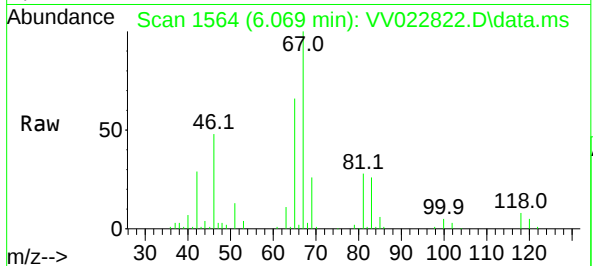




#35
Methylcyclohexane
Concen: 1.034 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.064 min
Lab File: VV022822.D
Acq: 15 Oct 2021 03:27

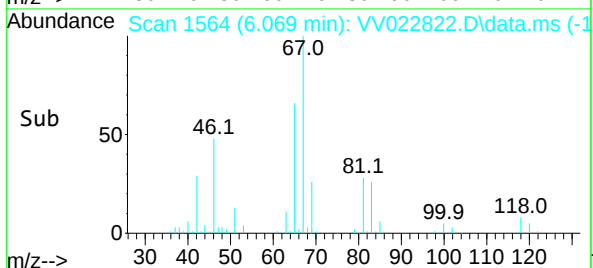
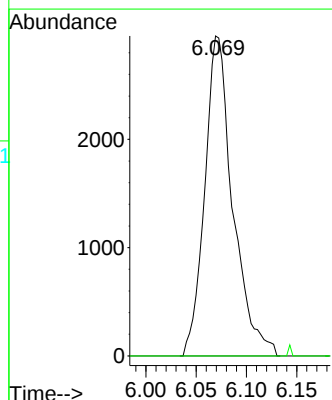
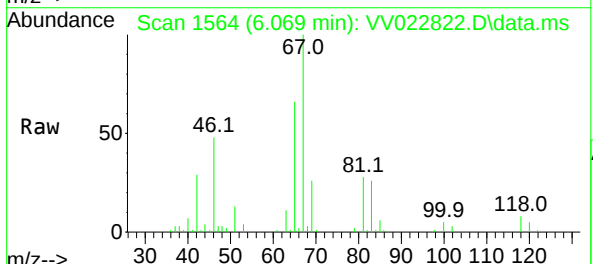
Instrument :
MSVOA_V
ClientSampleId :
BFGC3

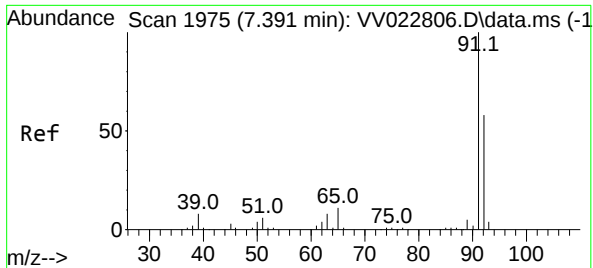
Tgt Ion: 83 Resp: 13118
Ion Ratio Lower Upper
83 100
55 0.5 63.8 95.6#
98 0.7 42.1 63.1#



#37
1,2-Dichloropropane
Concen: 0.717 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.106 min
Lab File: VV022822.D
Acq: 15 Oct 2021 03:27

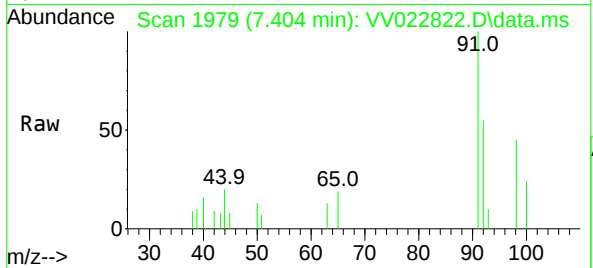
Tgt Ion: 63 Resp: 5737
Ion Ratio Lower Upper
63 100
112 0.3 4.4 6.6#



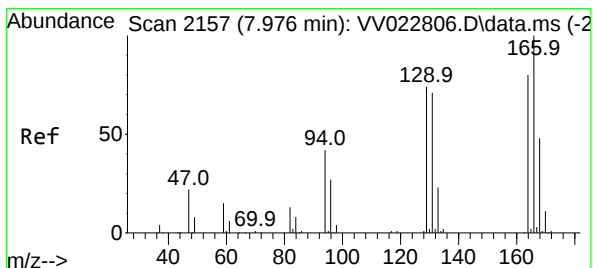
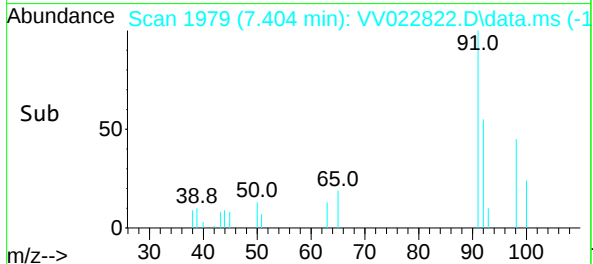
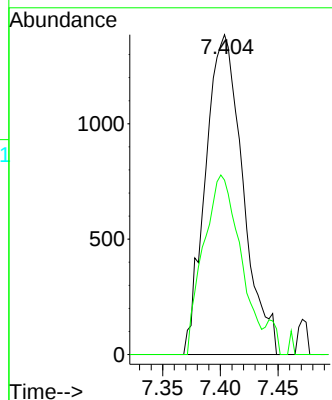


#42
Toluene
Concen: 0.092 ug/L
RT: 7.404 min Scan# 1979
Delta R.T. 0.013 min
Lab File: VV022822.D
Acq: 15 Oct 2021 03:27

Instrument :
MSVOA_V
ClientSampled :
BFGC3

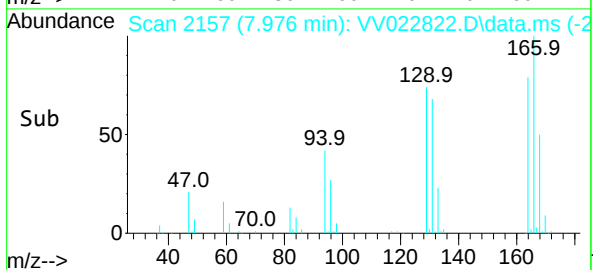
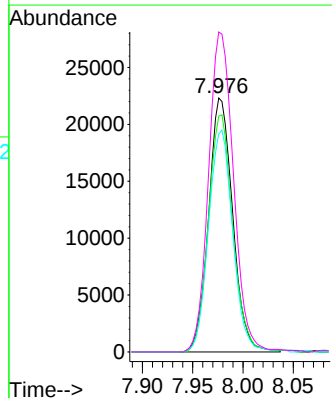
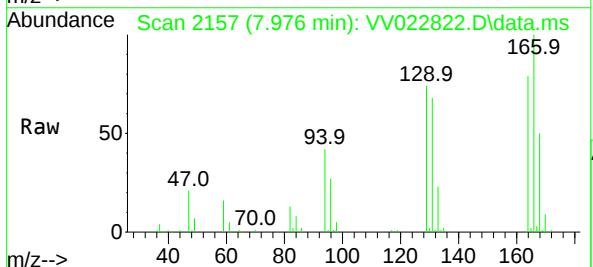


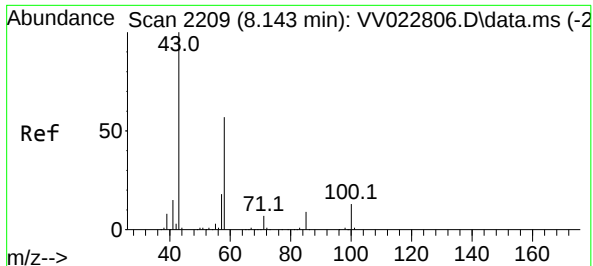
Tgt Ion: 91 Resp: 3115
Ion Ratio Lower Upper
91 100
92 54.5 40.7 75.7



#47
Tetrachloroethene
Concen: 5.078 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV022822.D
Acq: 15 Oct 2021 03:27

Tgt Ion: 164 Resp: 37176
Ion Ratio Lower Upper
164 100
129 92.9 65.0 120.6
131 85.8 62.2 115.4
166 126.0 89.2 165.8





#48

2-Hexanone

Concen: 3.284 ug/L

RT: 8.092 min Scan# 2193

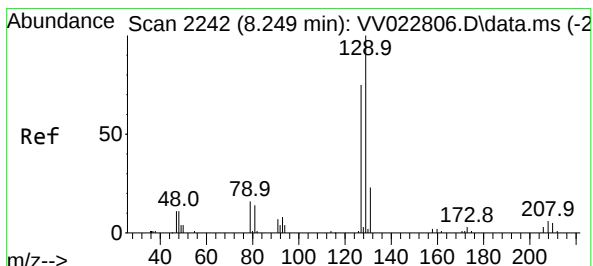
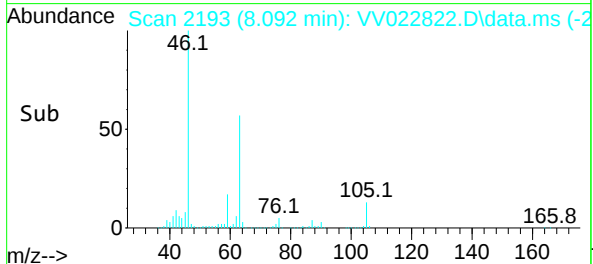
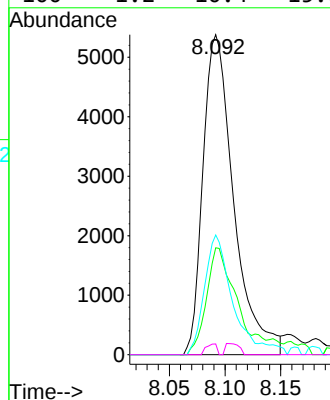
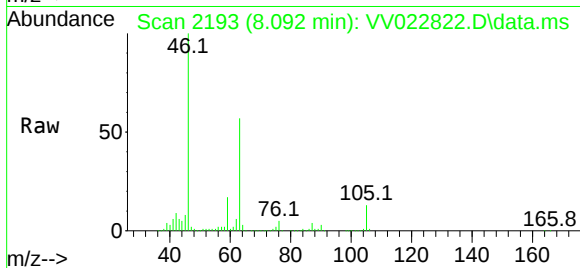
Delta R.T. -0.051 min

Lab File: VV022822.D

Acq: 15 Oct 2021 03:27

Tgt Ion:	43	Resp:	10331
Ion	Ratio	Lower	Upper
43	100		
58	34.8	47.4	71.0#
57	34.7	15.3	22.9#
100	1.2	10.4	15.6#

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#49

Dibromochloromethane

Concen: 4.817 ug/L

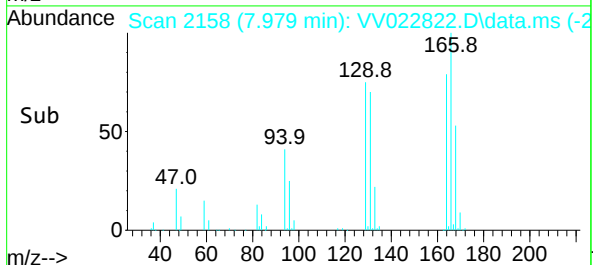
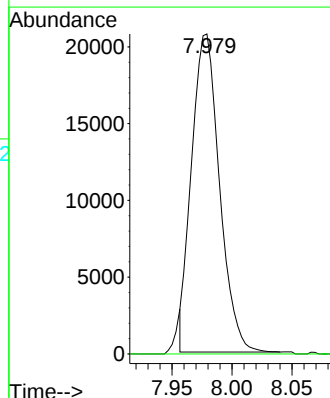
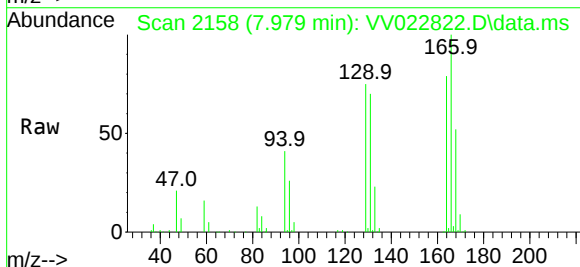
RT: 7.979 min Scan# 2158

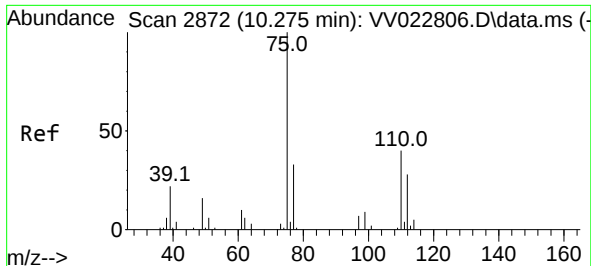
Delta R.T. -0.270 min

Lab File: VV022822.D

Acq: 15 Oct 2021 03:27

Tgt Ion:	129	Resp:	33500
Ion	Ratio	Lower	Upper
129	100		
127	0.0	59.1	109.9#

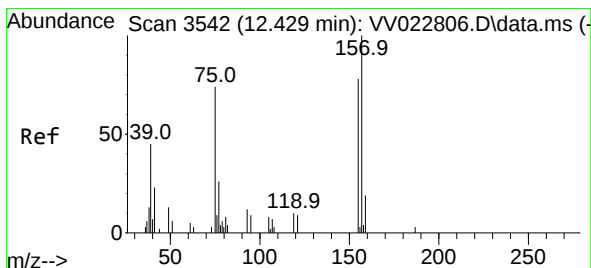
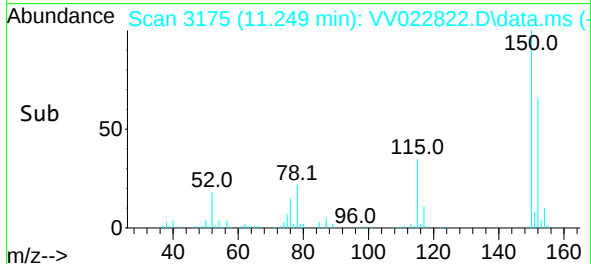
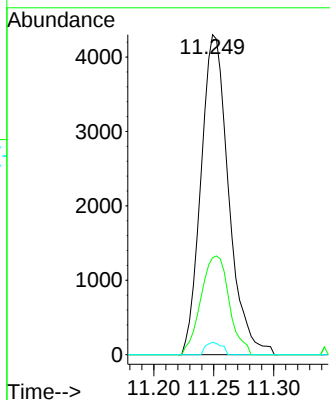
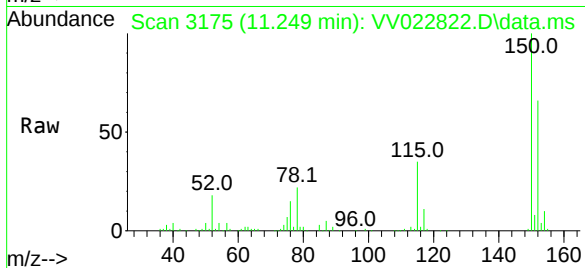




#61
1,2,3-Trichloropropane
Concen: 1.672 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV022822.D
Acq: 15 Oct 2021 03:27

Instrument :
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ClientSampled :
BFGC3

Tgt Ion: 75 Resp: 6906
Ion Ratio Lower Upper
75 100
77 31.5 25.4 38.2
110 2.3 34.2 51.4#



#68
1,2-Dibromo-3-chloropropane
Concen: 0.350 ug/L
RT: 12.246 min Scan# 3485
Delta R.T. -0.183 min
Lab File: VV022822.D
Acq: 15 Oct 2021 03:27

Tgt Ion: 75 Resp: 263
Ion Ratio Lower Upper
75 100
155 0.0 82.4 123.6#
157 0.0 114.1 171.1#

