

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VW022895.D
 Acq On : 19 Oct 2021 03:05
 Operator : SY/MD
 Sample : M4137-10
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGC8

Quant Time: Oct 19 04:09:29 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	100874	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	120109	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	56216	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	32852	4.734	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.600%
7) Chloroethane-d5	1.568	69	30280	4.855	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.108	63	41710	3.064	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.200%
20) 2-Butanone-d5	3.889	46	85571	47.023	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.040%
24) Chloroform-d	4.352	84	76718	5.364	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.200%
26) 1,2-Dichloroethane-d4	5.034	65	36436	5.249	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
32) Benzene-d6	5.053	84	140974	3.943	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.800%
36) 1,2-Dichloropropane-d6	6.072	67	44344	4.188	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.800%
41) Toluene-d8	7.317	98	124158	4.017	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.400%
43) trans-1,3-Dichloroprop...	7.625	79	14590	4.154	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.000%
46) 2-Hexanone-d5	8.088	63	77230	54.557	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.120%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	42653	5.946	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	119.000%
66) 1,2-Dichlorobenzene-d4	11.625	152	59536	5.712	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	2003	0.262	ug/L #	52
8) Chloroethane	1.510	64	21199	4.488	ug/L #	53
12) 1,1-Dichloroethene	2.111	96	596	0.098	ug/L #	1
13) Acetone	2.182	43	17175	16.926	ug/L #	43
14) Carbon disulfide	2.294	76	1430	0.084	ug/L #	75
17) Methyl tert-butyl Ether	2.770	73	16743	1.136	ug/L	97
19) 1,1-Dichloroethane	3.191	63	18952	1.588	ug/L	98
22) cis-1,2-Dichloroethene	3.912	96	56200	8.077	ug/L	98
27) 1,2-Dichloroethane	5.153	62	517	0.075	ug/L #	69
34) Trichloroethene	5.924	95	3656	0.416	ug/L	94
35) Methylcyclohexane	6.069	83	11610	0.942	ug/L #	16
37) 1,2-Dichloropropane	6.075	63	5273	0.678	ug/L #	84
39) cis-1,3-Dichloropropene	6.992	75	1022	0.099	ug/L #	54
42) Toluene	7.400	91	7607	0.232	ug/L	94
47) Tetrachloroethene	7.979	164	12961	1.822	ug/L	95
49) Dibromochloromethane	7.979	129	11227	1.661	ug/L #	7
53) m,p-xylene	9.149	106	1656	0.127	ug/L	92
61) 1,2,3-Trichloropropane	11.249	75	6180	1.582	ug/L #	62
62) 1,3,5-Trimethylbenzene	10.927	105	1211	0.052	ug/L	86

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Response via : Initial Calibration

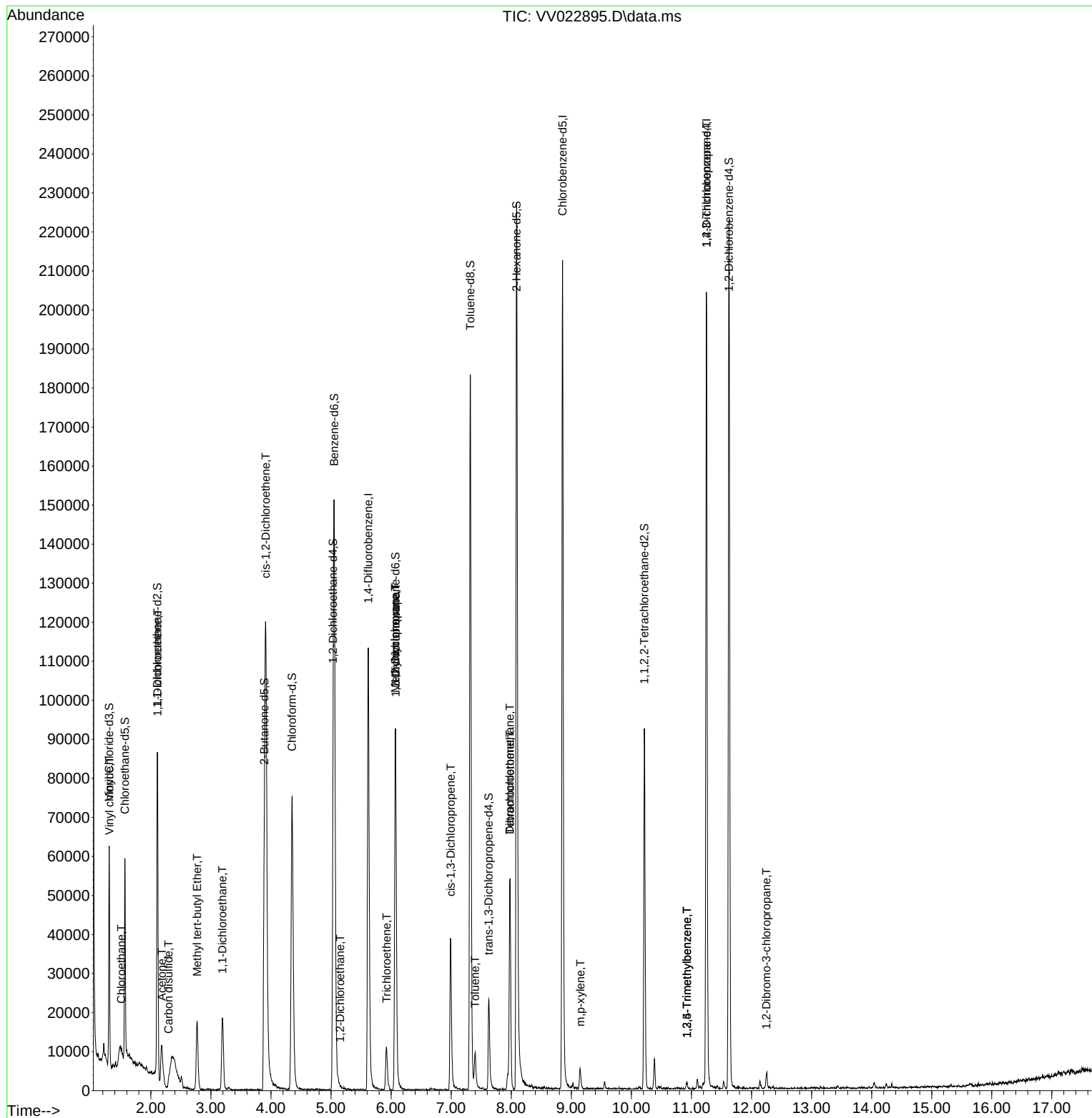
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	10.927	105	1211	0.052	ug/L	90
68) 1,2-Dibromo-3-chloropr...	12.246	75	103	0.145	ug/L #	1

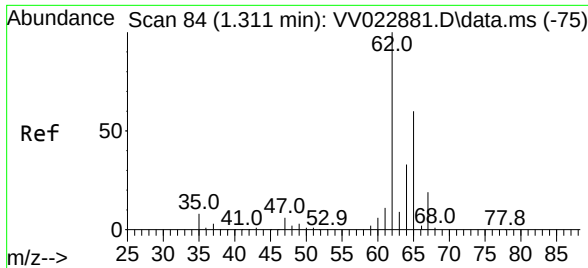
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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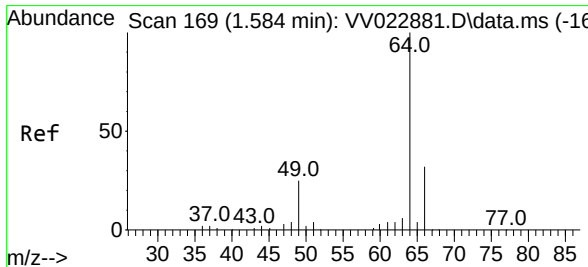
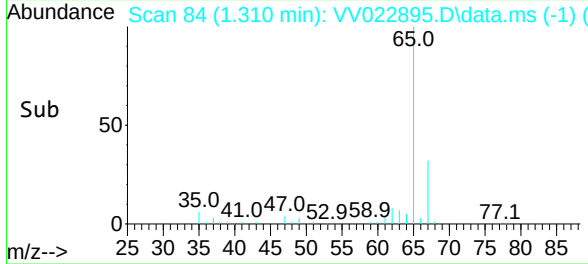
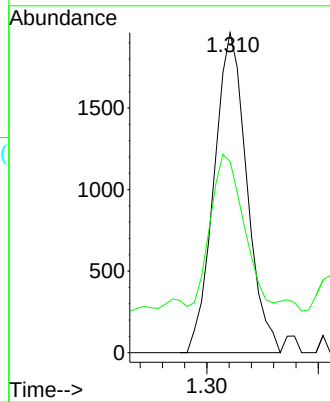
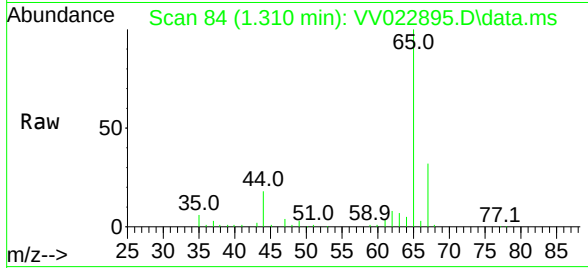




#5
 Vinyl chloride
 Concen: 0.262 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV022895.D
 Acq: 19 Oct 2021 03:05

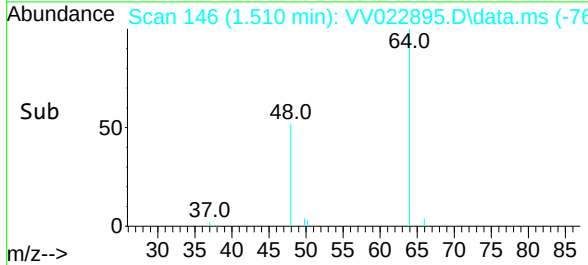
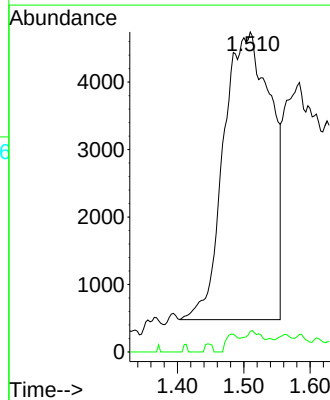
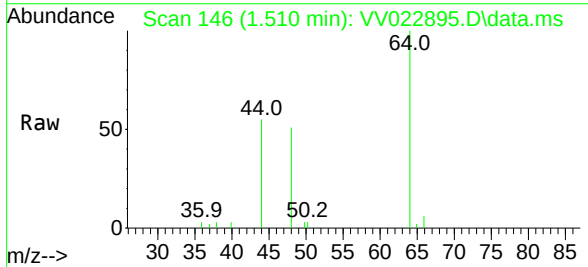
Instrument :
 MSVOA_V
 ClientSampleId :
 BFGC8

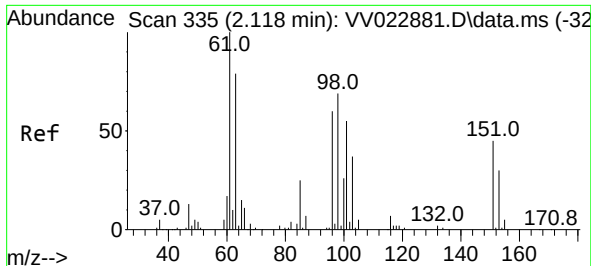
Tgt Ion: 62 Resp: 2003
 Ion Ratio Lower Upper
 62 100
 64 59.7 23.0 42.8#



#8
 Chloroethane
 Concen: 4.488 ug/L
 RT: 1.510 min Scan# 146
 Delta R.T. -0.074 min
 Lab File: VV022895.D
 Acq: 19 Oct 2021 03:05

Tgt Ion: 64 Resp: 21199
 Ion Ratio Lower Upper
 64 100
 66 6.5 22.9 42.5#

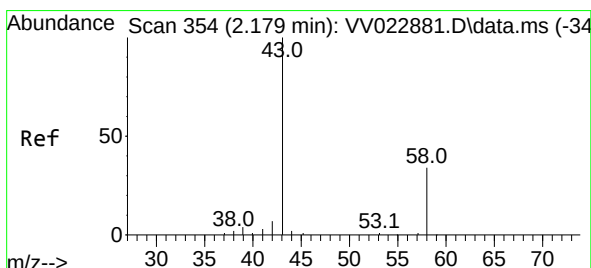
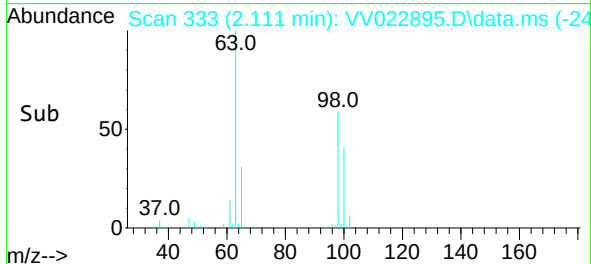
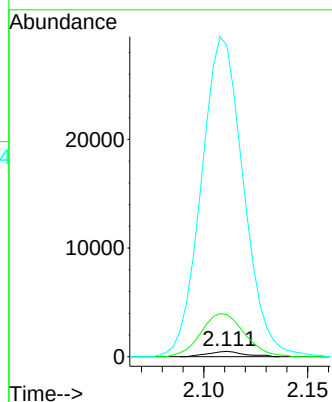
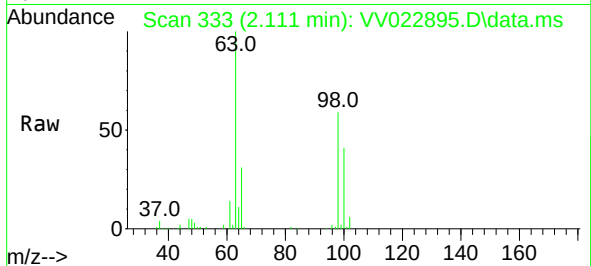




#12
1,1-Dichloroethene
Concen: 0.098 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.007 min
Lab File: VV022895.D
Acq: 19 Oct 2021 03:05

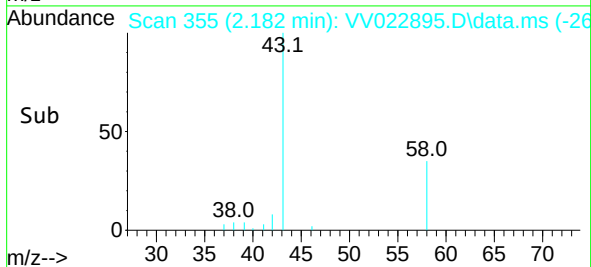
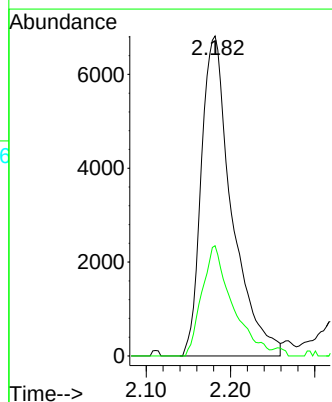
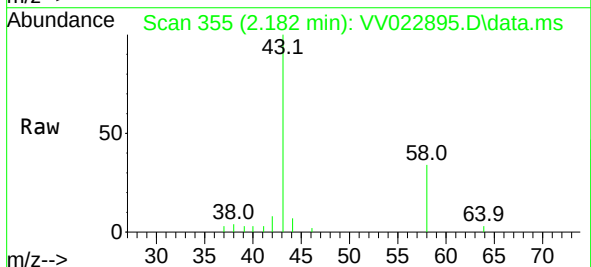
Instrument :
MSVOA_V
ClientSampleId :
BFGC8

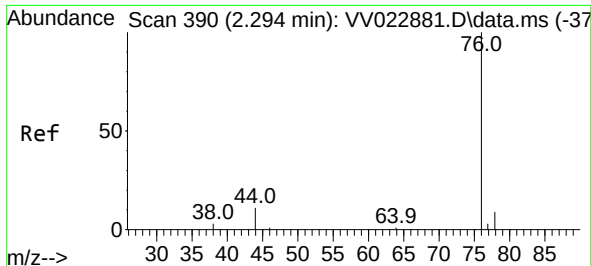
Tgt Ion: 96 Resp: 596
Ion Ratio Lower Upper
96 100
61 793.5 127.3 236.5#
63 5863.4 106.2 197.2#



#13
Acetone
Concen: 16.926 ug/L
RT: 2.182 min Scan# 355
Delta R.T. 0.003 min
Lab File: VV022895.D
Acq: 19 Oct 2021 03:05

Tgt Ion: 43 Resp: 17175
Ion Ratio Lower Upper
43 100
58 34.3 0.0 24.2#

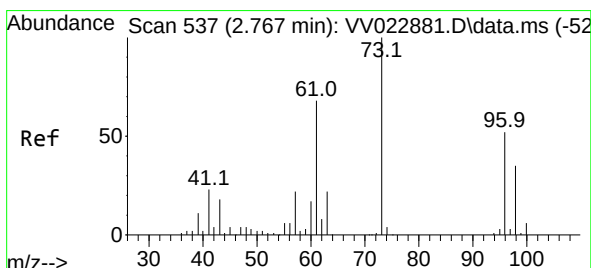
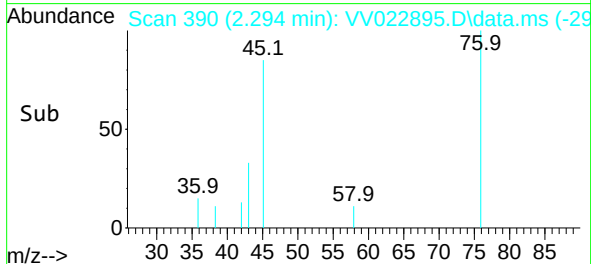
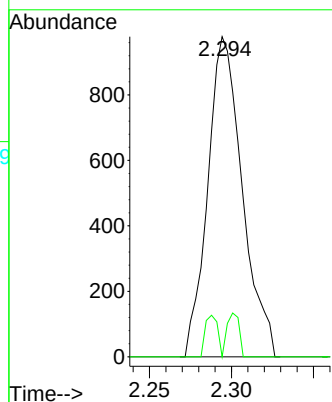
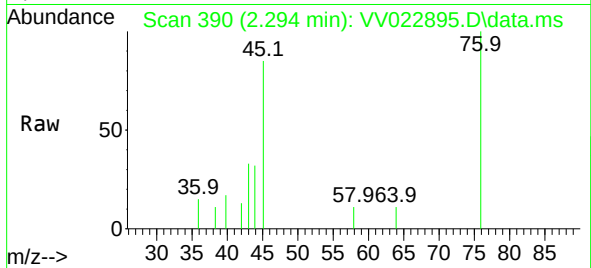




#14
Carbon disulfide
Concen: 0.084 ug/L
RT: 2.294 min Scan# 390
Delta R.T. -0.000 min
Lab File: VV022895.D
Acq: 19 Oct 2021 03:05

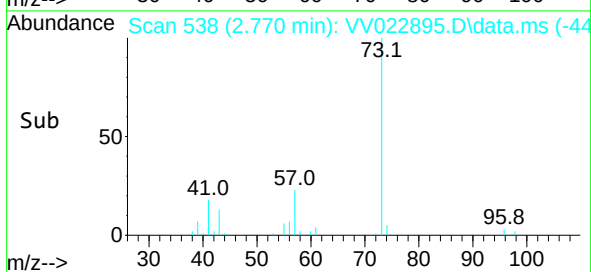
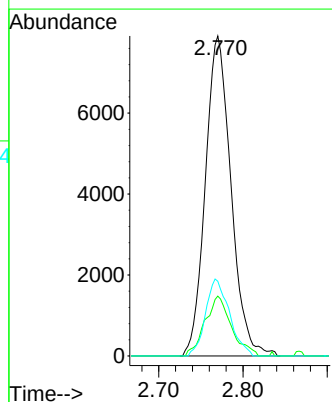
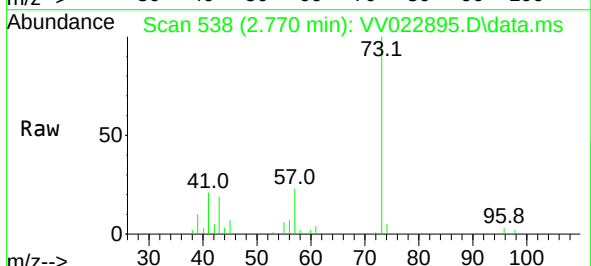
Instrument :
MSVOA_V
ClientSampleId :
BFGC8

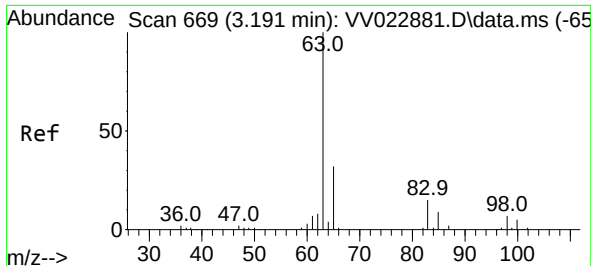
Tgt Ion: 76 Resp: 1430
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#17
Methyl tert-butyl Ether
Concen: 1.136 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV022895.D
Acq: 19 Oct 2021 03:05

Tgt Ion: 73 Resp: 16743
Ion Ratio Lower Upper
73 100
43 19.2 17.1 25.7
57 22.4 17.2 25.8





#19

1,1-Dichloroethane

Concen: 1.588 ug/L

RT: 3.191 min Scan# 669

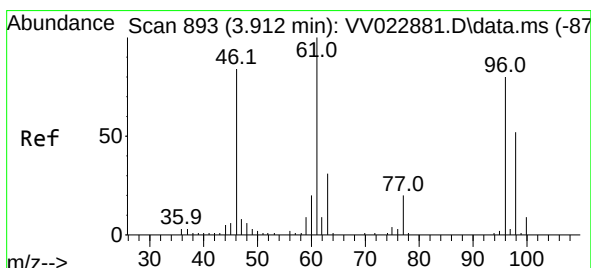
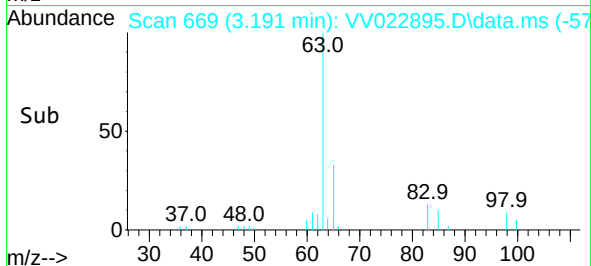
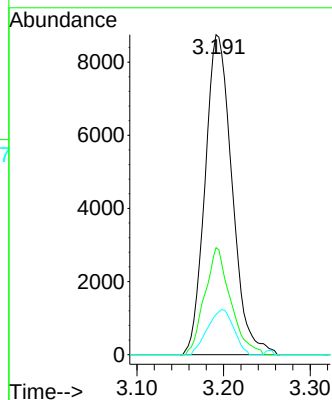
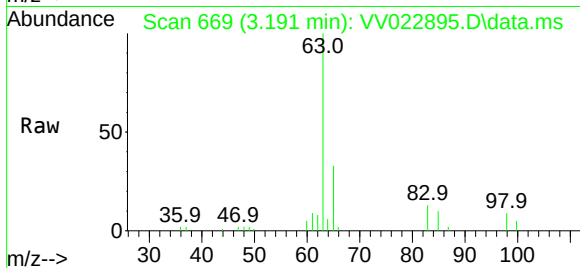
Delta R.T. -0.000 min

Lab File: VV022895.D

Acq: 19 Oct 2021 03:05

Tgt Ion:	63	Resp:	18952
Ion	Ratio	Lower	Upper
63	100		
65	33.4	23.5	43.7
83	12.5	10.1	18.7

Instrument :
MSVOA_V
ClientSampled :
BFGC8



#22

cis-1,2-Dichloroethene

Concen: 8.077 ug/L

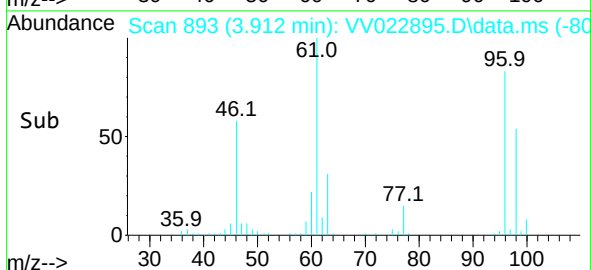
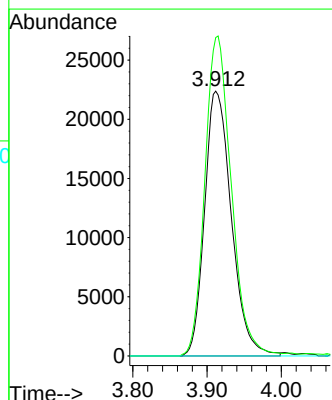
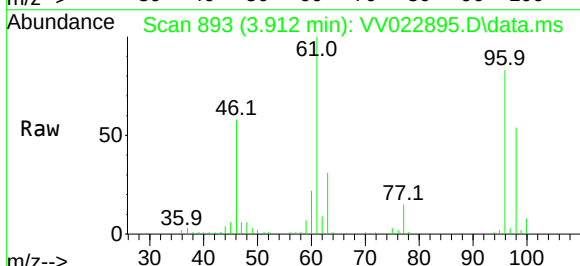
RT: 3.912 min Scan# 893

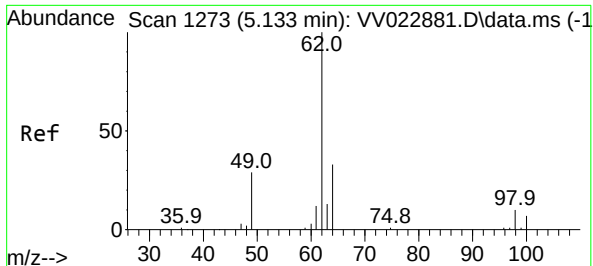
Delta R.T. -0.000 min

Lab File: VV022895.D

Acq: 19 Oct 2021 03:05

Tgt Ion:	96	Resp:	56200
Ion	Ratio	Lower	Upper
96	100		
61	120.2	86.0	159.6
68	0.0	0.0	0.0





#27

1,2-Dichloroethane

Concen: 0.075 ug/L

RT: 5.153 min Scan# 1279

Delta R.T. 0.019 min

Lab File: VV022895.D

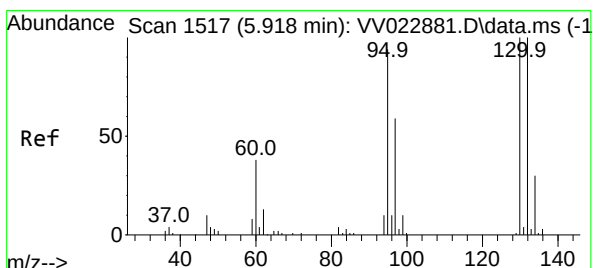
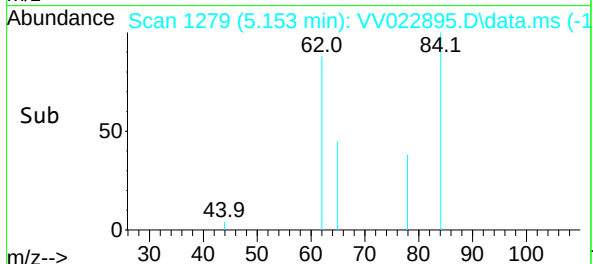
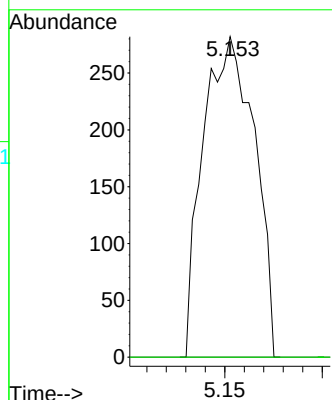
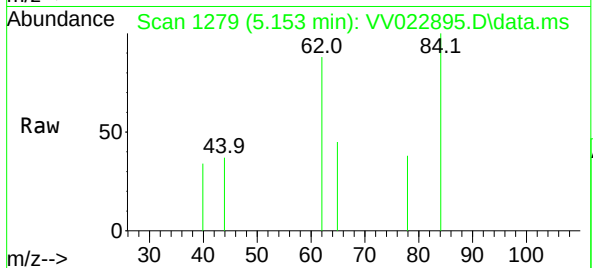
Acq: 19 Oct 2021 03:05

Tgt Ion: 62 Resp: 517

Ion Ratio Lower Upper

62 100

98 0.0 9.7 14.5#



#34

Trichloroethene

Concen: 0.416 ug/L

RT: 5.924 min Scan# 1519

Delta R.T. 0.006 min

Lab File: VV022895.D

Acq: 19 Oct 2021 03:05

Tgt Ion: 95 Resp: 3656

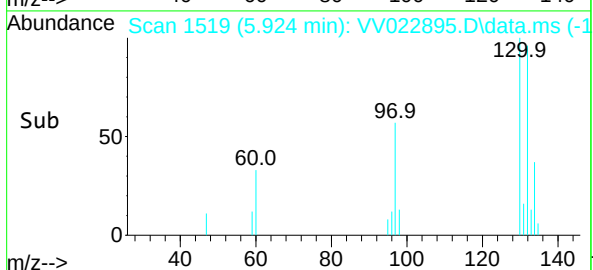
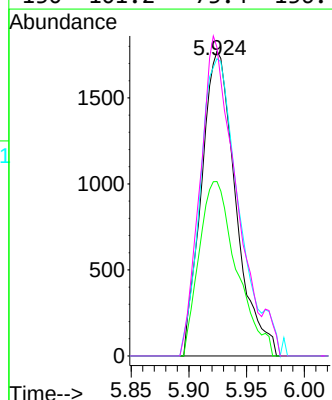
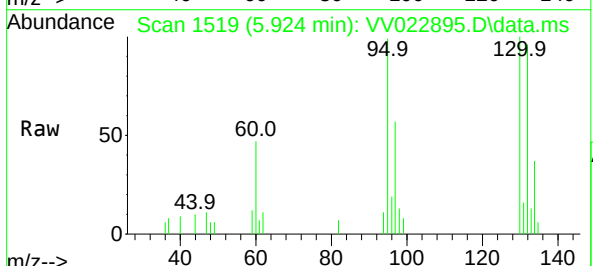
Ion Ratio Lower Upper

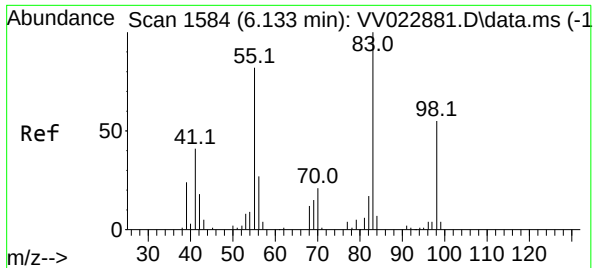
95 100

97 57.3 45.8 85.2

132 97.6 72.2 134.0

130 101.2 73.4 136.4





#35

Methylcyclohexane

Concen: 0.942 ug/L

RT: 6.069 min Scan# 1564

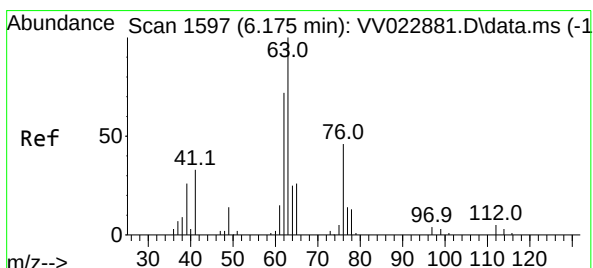
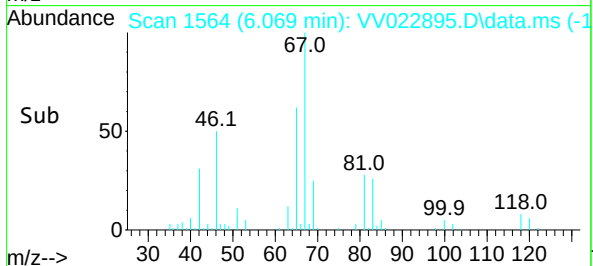
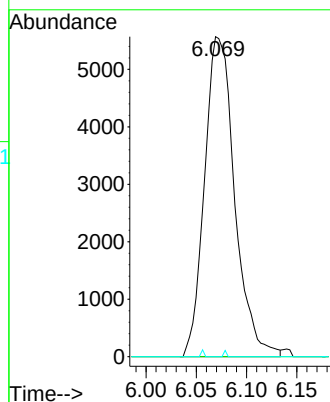
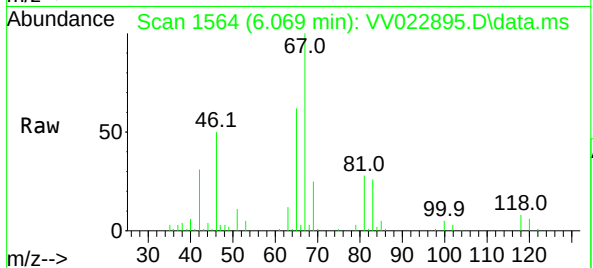
Delta R.T. -0.064 min

Lab File: VV022895.D

Acq: 19 Oct 2021 03:05

Tgt Ion:	83	Resp:	11610
Ion	Ratio	Lower	Upper
83	100		
55	0.0	63.8	95.6#
98	0.2	42.1	63.1#

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#37

1,2-Dichloropropane

Concen: 0.678 ug/L

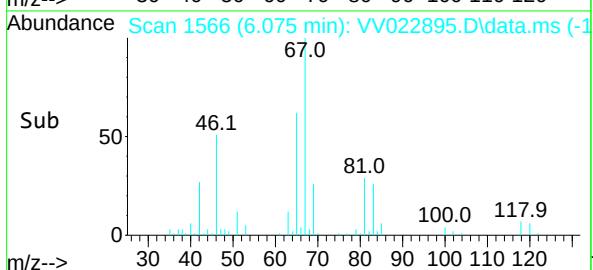
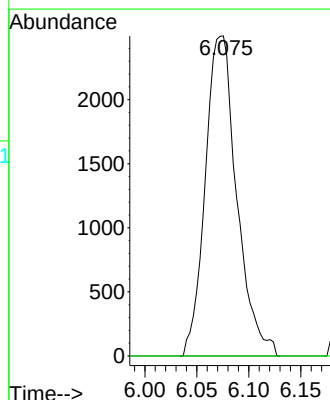
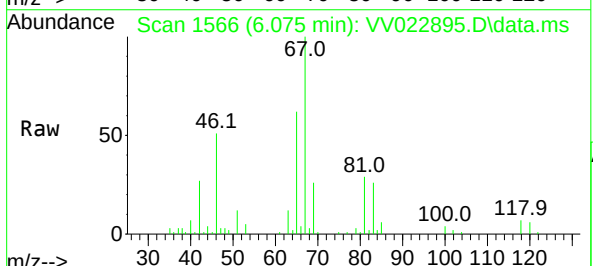
RT: 6.075 min Scan# 1566

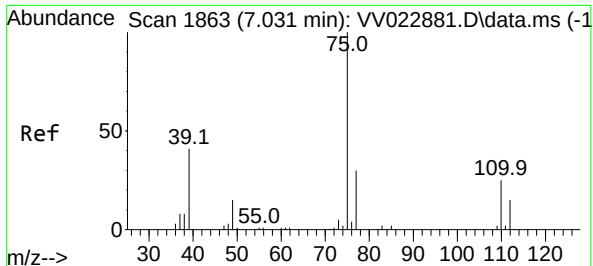
Delta R.T. -0.100 min

Lab File: VV022895.D

Acq: 19 Oct 2021 03:05

Tgt Ion:	63	Resp:	5273
Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.4	6.6#

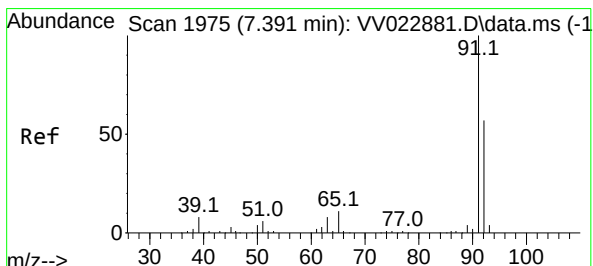
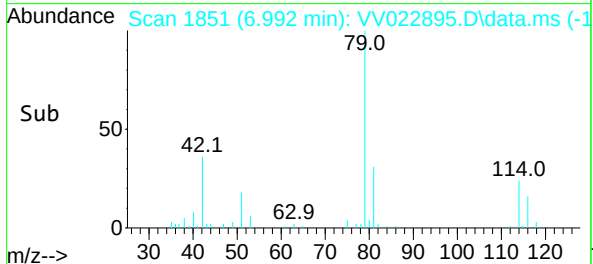
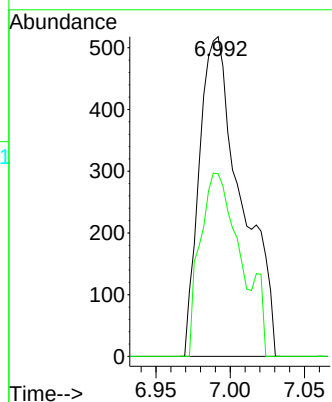
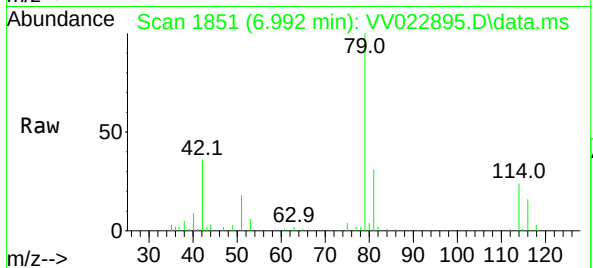




#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 6.992 min Scan# 1851
 Delta R.T. -0.039 min
 Lab File: VV022895.D
 Acq: 19 Oct 2021 03:05

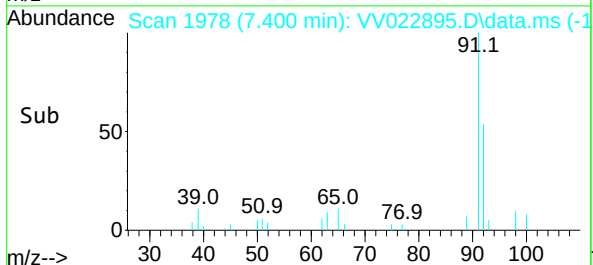
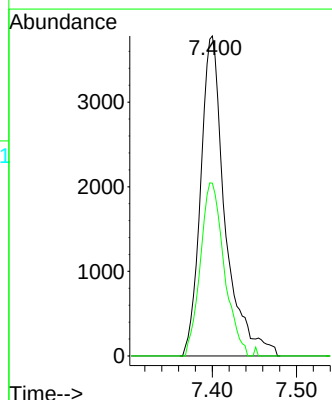
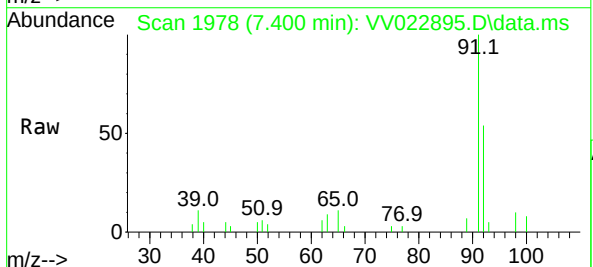
Instrument :
 MSVOA_V
 ClientSampleId :
 BFGC8

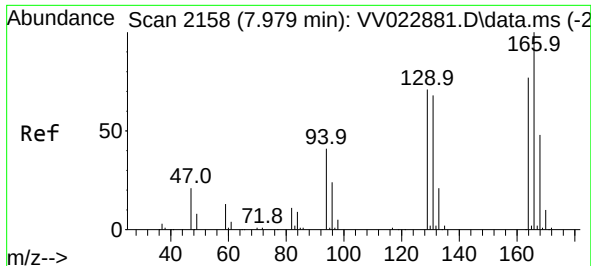
Tgt Ion: 75 Resp: 1022
 Ion Ratio Lower Upper
 75 100
 77 57.1 22.3 41.3#



#42
 Toluene
 Concen: 0.232 ug/L
 RT: 7.400 min Scan# 1978
 Delta R.T. 0.010 min
 Lab File: VV022895.D
 Acq: 19 Oct 2021 03:05

Tgt Ion: 91 Resp: 7607
 Ion Ratio Lower Upper
 91 100
 92 54.0 40.7 75.7

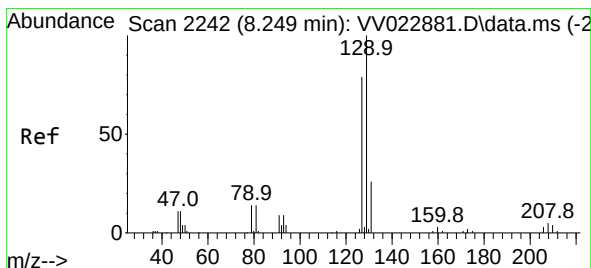
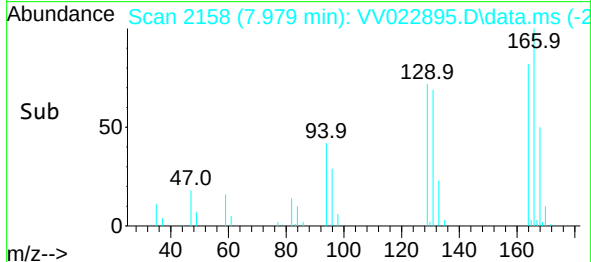
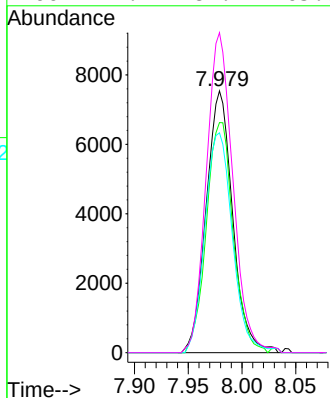
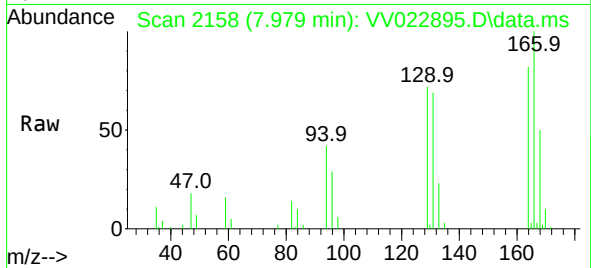




#47
Tetrachloroethene
Concen: 1.822 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.000 min
Lab File: VV022895.D
Acq: 19 Oct 2021 03:05

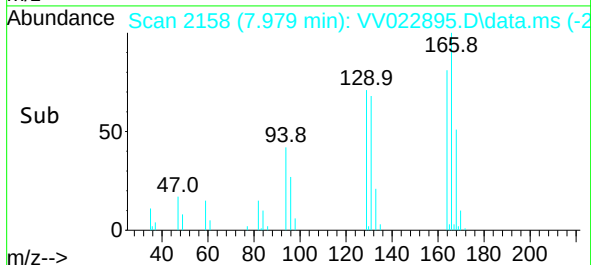
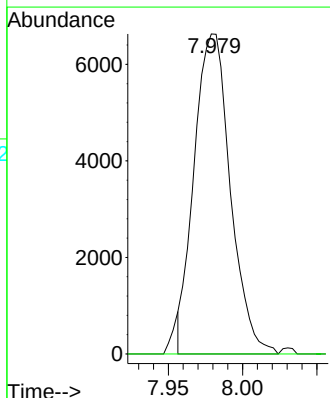
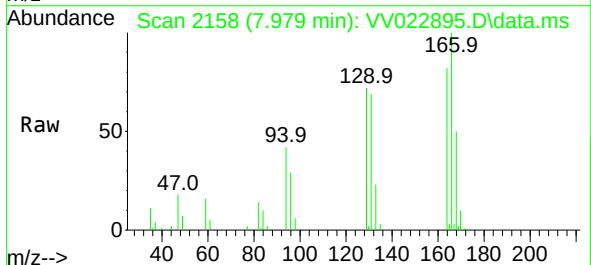
Instrument :
MSVOA_V
ClientSampled :
BFGC8

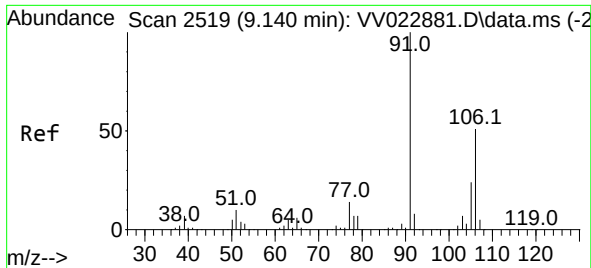
Tgt Ion:164	Resp:	12961
Ion	Ratio	Lower Upper
164	100	
129	87.9	65.0 120.6
131	84.0	62.2 115.4
166	122.2	89.2 165.8



#49
Dibromochloromethane
Concen: 1.661 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.270 min
Lab File: VV022895.D
Acq: 19 Oct 2021 03:05

Tgt Ion:129	Resp:	11227
Ion	Ratio	Lower Upper
129	100	
127	0.0	59.1 109.9#

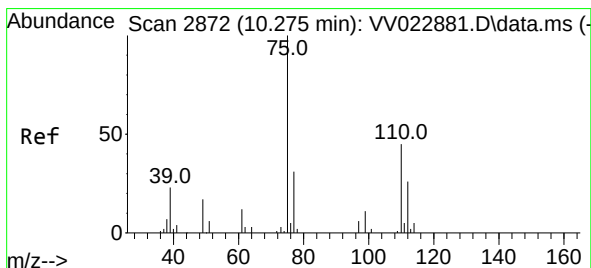
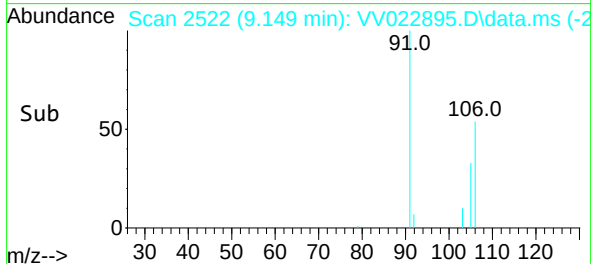
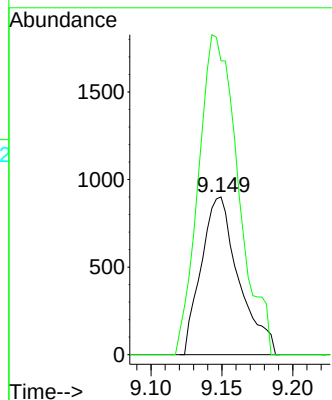
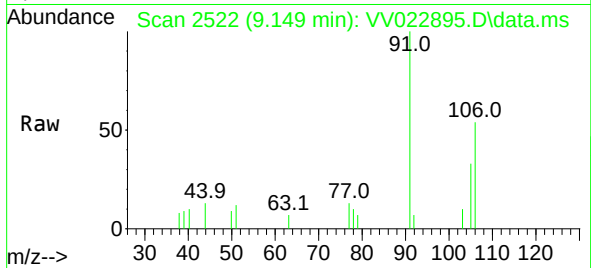




#53
m,p-xylene
Concen: 0.127 ug/L
RT: 9.149 min Scan# 2522
Delta R.T. 0.010 min
Lab File: VV022895.D
Acq: 19 Oct 2021 03:05

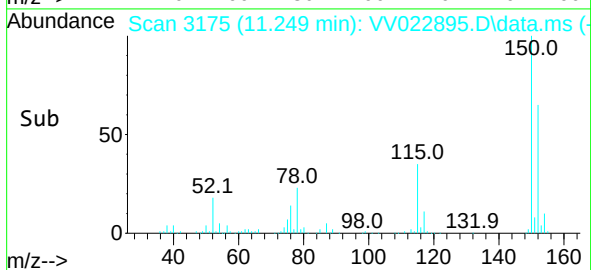
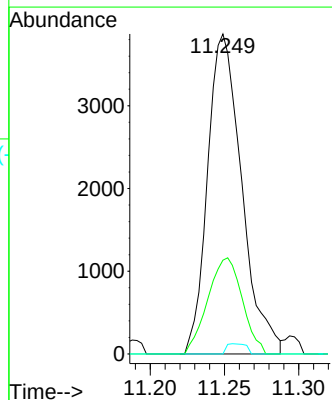
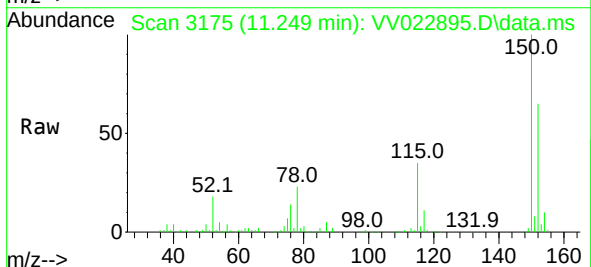
Instrument :
MSVOA_V
ClientSampled :
BFGC8

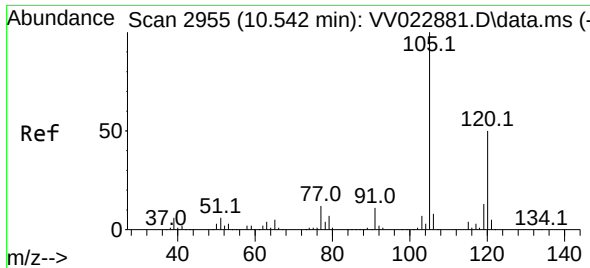
Tgt Ion:106 Resp: 1656
Ion Ratio Lower Upper
106 100
91 186.2 138.7 257.5



#61
1,2,3-Trichloropropane
Concen: 1.582 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.974 min
Lab File: VV022895.D
Acq: 19 Oct 2021 03:05

Tgt Ion: 75 Resp: 6180
Ion Ratio Lower Upper
75 100
77 30.3 25.4 38.2
110 1.8 34.2 51.4#

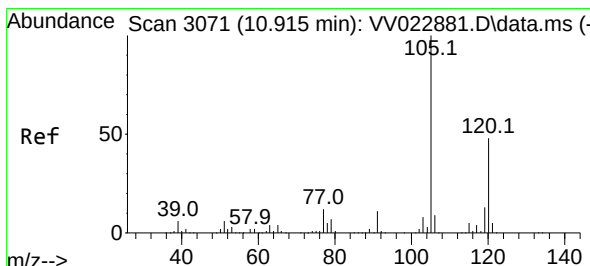
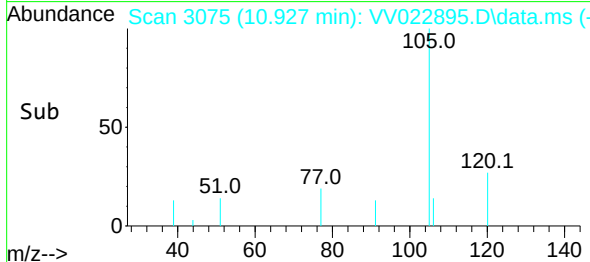
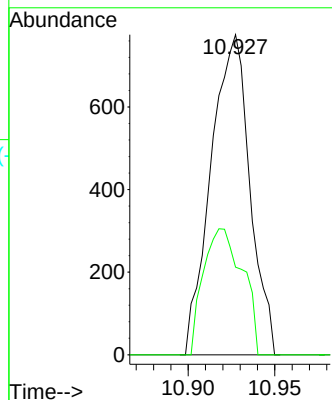
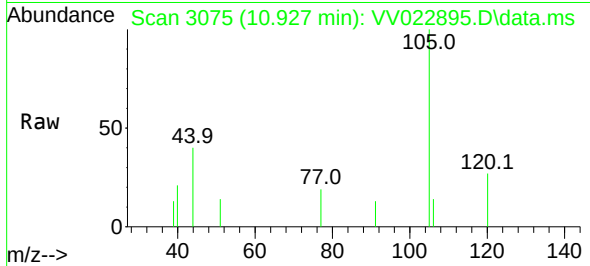




#62
1,3,5-Trimethylbenzene
Concen: 0.052 ug/L
RT: 10.927 min Scan# 3075
Delta R.T. 0.386 min
Lab File: VV022895.D
Acq: 19 Oct 2021 03:05

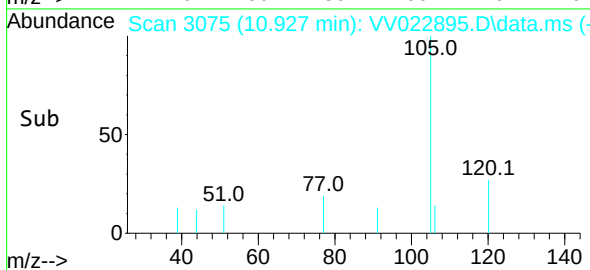
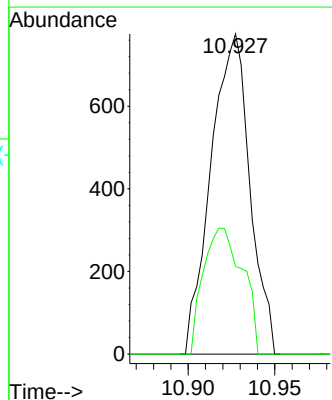
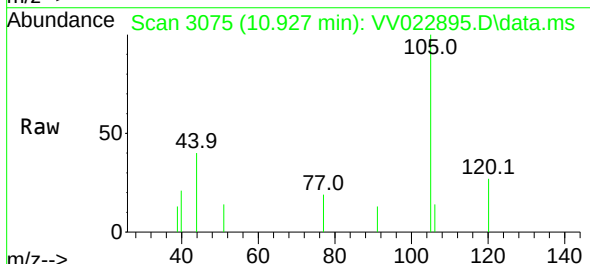
Instrument :
MSVOA_V
ClientSampled :
BFGC8

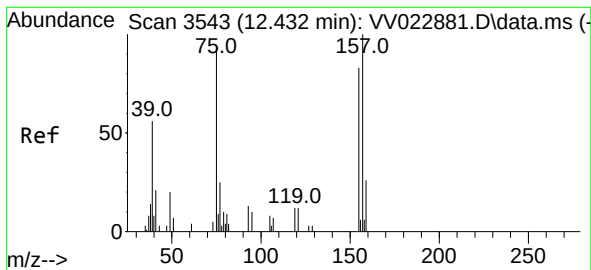
Tgt Ion:105 Resp: 1211
Ion Ratio Lower Upper
105 100
120 39.6 39.4 59.2



#63
1,2,4-Trimethylbenzene
Concen: 0.052 ug/L
RT: 10.927 min Scan# 3075
Delta R.T. 0.013 min
Lab File: VV022895.D
Acq: 19 Oct 2021 03:05

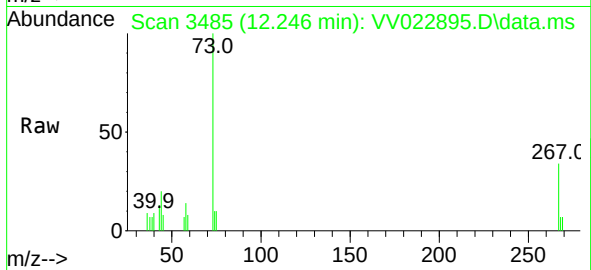
Tgt Ion:105 Resp: 1211
Ion Ratio Lower Upper
105 100
120 39.6 37.3 55.9





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.145 ug/L
 RT: 12.246 min Scan# 3485
 Delta R.T. -0.187 min
 Lab File: VV022895.D
 Acq: 19 Oct 2021 03:05

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGC8



Tgt Ion: 75 Resp: 103
 Ion Ratio Lower Upper
 75 100
 155 0.0 82.4 123.6#
 157 0.0 114.1 171.1#

