

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101821\
 Data File : VV022894.D
 Acq On : 19 Oct 2021 02:41
 Operator : SY/MD
 Sample : M4137-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGB0

Quant Time: Oct 19 04:09:21 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	121847	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	123981	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	58326	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	33526	3.999	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.000%
7) Chloroethane-d5	1.568	69	29407	3.904	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	2.108	63	44289	2.693	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.800%#
20) 2-Butanone-d5	3.886	46	117644	53.520	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.040%
24) Chloroform-d	4.352	84	92399	5.348	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.000%
26) 1,2-Dichloroethane-d4	5.037	65	43707	5.213	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
32) Benzene-d6	5.053	84	175662	4.759	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.200%
36) 1,2-Dichloropropane-d6	6.072	67	57505	5.261	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.200%
41) Toluene-d8	7.320	98	144577	4.531	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.600%
43) trans-1,3-Dichloroprop...	7.625	79	16512	4.554	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.088	63	93458	63.959	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.920%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	42378	5.723	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	59840	5.533	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	5561	0.603	ug/L	85
8) Chloroethane	1.310	64	2093	0.367	ug/L	86
12) 1,1-Dichloroethene	2.118	96	1029	0.140	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	16901	0.949	ug/L	99
18) trans-1,2-Dichloroethene	2.767	96	4205	0.525	ug/L	95
19) 1,1-Dichloroethane	3.201	63	2210	0.153	ug/L	96
22) cis-1,2-Dichloroethene	3.912	96	229114	27.261	ug/L	99
34) Trichloroethene	5.915	95	76221	8.394	ug/L	99
35) Methylcyclohexane	6.072	83	13681	1.075	ug/L #	17
37) 1,2-Dichloropropane	6.072	63	6430	0.801	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1316	0.124	ug/L	88
42) Toluene	7.391	91	75318	2.222	ug/L	100
45) 1,1,2-Trichloroethane	7.973	97	1764	0.296	ug/L #	2
47) Tetrachloroethene	7.976	164	216940	29.541	ug/L	99
49) Dibromochloromethane	7.976	129	189659	27.187	ug/L #	7
53) m,p-xylene	9.146	106	1375	0.102	ug/L	100
61) 1,2,3-Trichloropropane	11.191	75	994	0.245	ug/L #	53
62) 1,3,5-Trimethylbenzene	10.921	105	1451	0.061	ug/L	94
63) 1,2,4-Trimethylbenzene	10.921	105	1451	0.061	ug/L	97

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

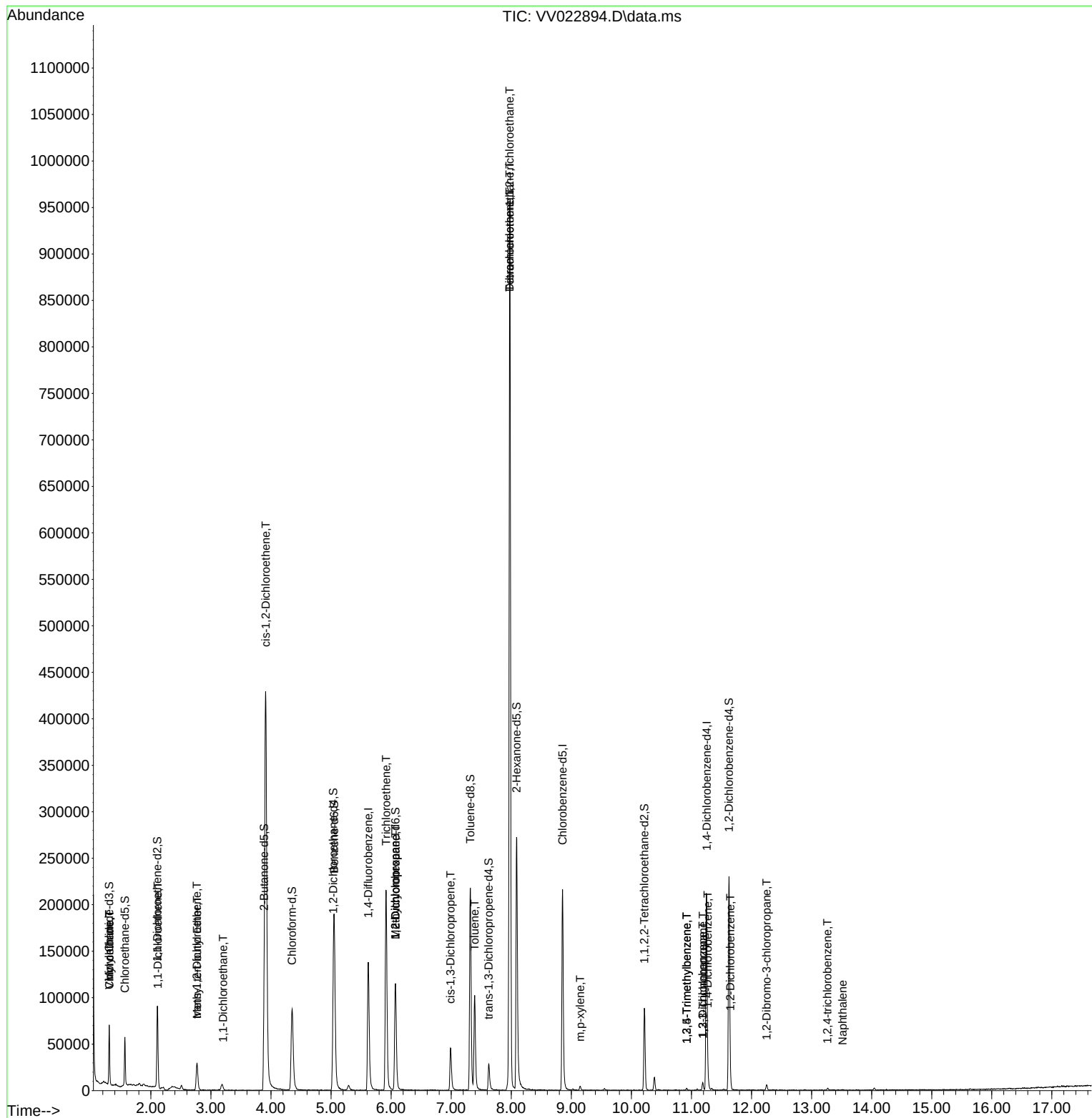
64) 1,3-Dichlorobenzene	11.188	146	3396	0.218	ug/L	92
65) 1,4-Dichlorobenzene	11.271	146	3919	0.248	ug/L	94
67) 1,2-Dichlorobenzene	11.648	146	3941	0.270	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.249	75	155	0.210	ug/L #	1
70) 1,2,4-trichlorobenzene	13.265	180	993	0.111	ug/L #	76
71) Naphthalene	13.516	128	768	0.054	ug/L #	68

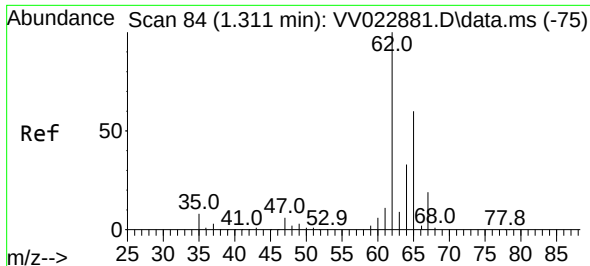
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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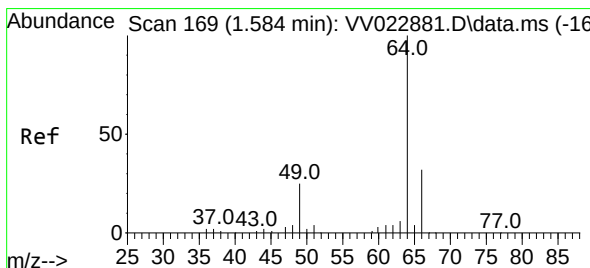
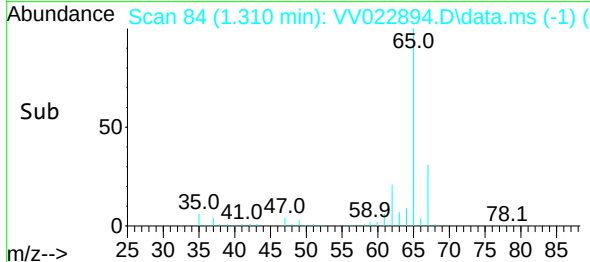
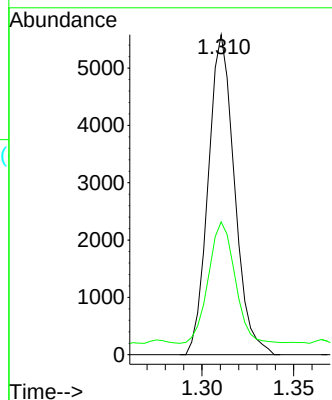
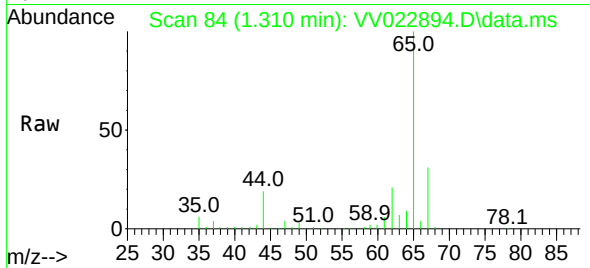




#5
 Vinyl chloride
 Concen: 0.603 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV022894.D
 Acq: 19 Oct 2021 02:41

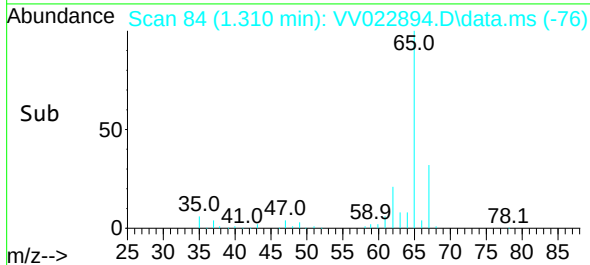
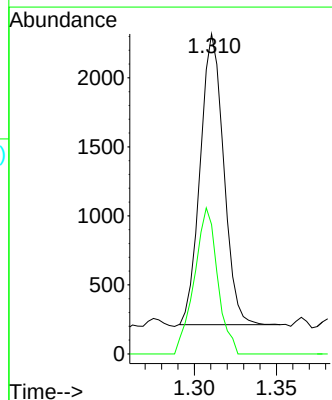
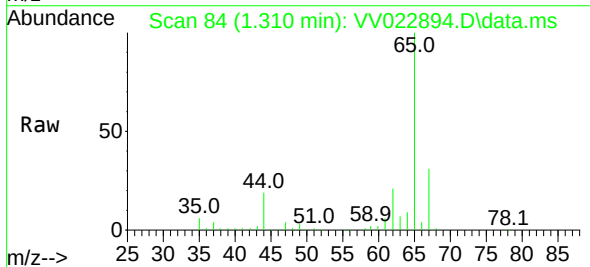
Instrument :
 MSVOA_V
 ClientSampleId :
 BFGBO

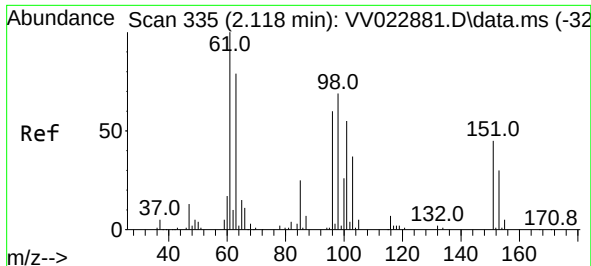
Tgt Ion: 62 Resp: 5561
 Ion Ratio Lower Upper
 62 100
 64 41.5 23.0 42.8



#8
 Chloroethane
 Concen: 0.367 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.273 min
 Lab File: VV022894.D
 Acq: 19 Oct 2021 02:41

Tgt Ion: 64 Resp: 2093
 Ion Ratio Lower Upper
 64 100
 66 40.4 22.9 42.5





#12

1,1-Dichloroethene

Concen: 0.140 ug/L

RT: 2.118 min Scan# 335

Delta R.T. -0.000 min

Lab File: VV022894.D

Acq: 19 Oct 2021 02:41

Tgt Ion: 96 Resp: 1029

Ion Ratio Lower Upper

96 100

61 483.5 127.3 236.5#

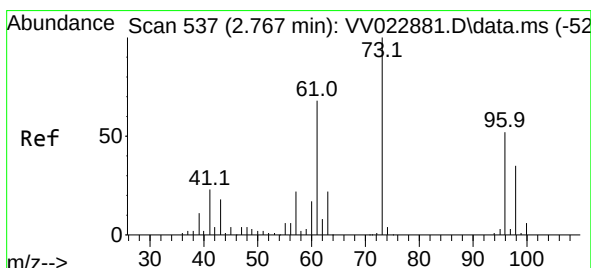
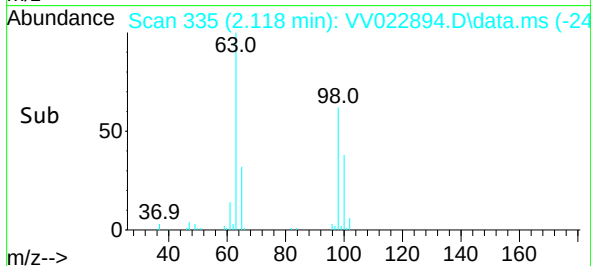
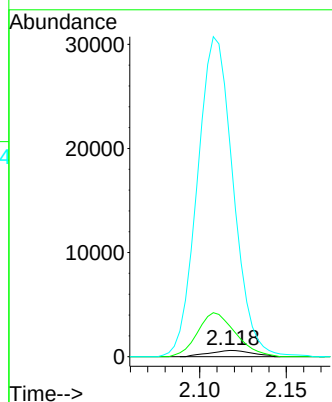
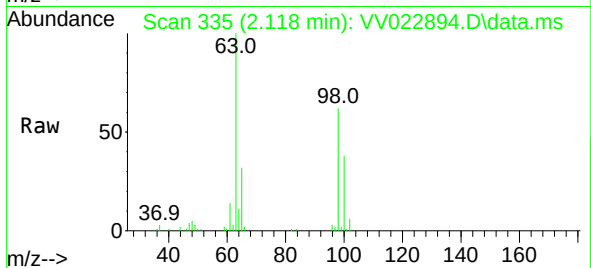
63 3364.0 106.2 197.2#

Instrument :

MSVOA_V

ClientSampleId :

BFGB0



#17

Methyl tert-butyl Ether

Concen: 0.949 ug/L

RT: 2.770 min Scan# 538

Delta R.T. 0.003 min

Lab File: VV022894.D

Acq: 19 Oct 2021 02:41

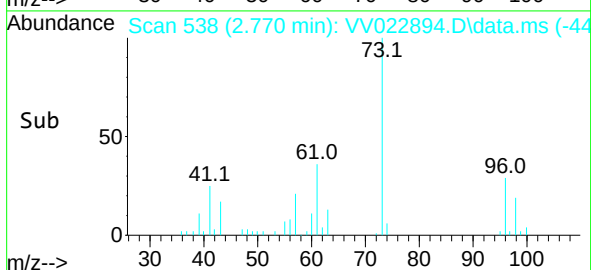
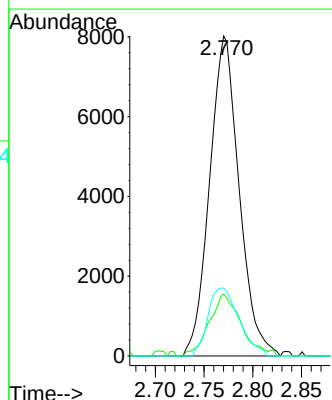
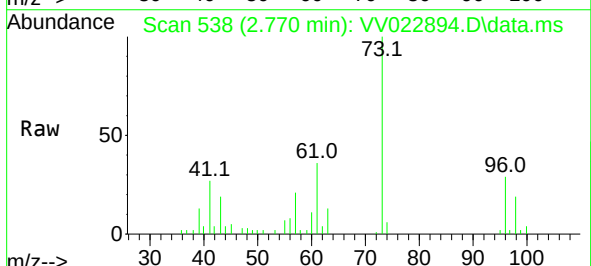
Tgt Ion: 73 Resp: 16901

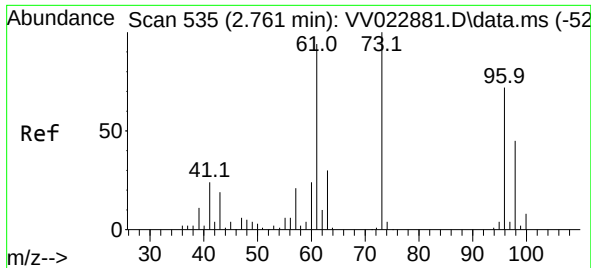
Ion Ratio Lower Upper

73 100

43 20.9 17.1 25.7

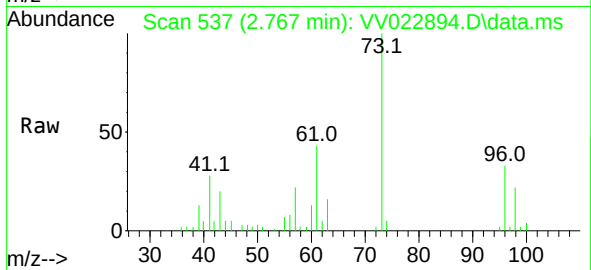
57 22.3 17.2 25.8



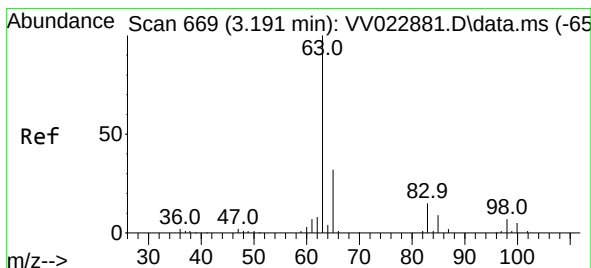
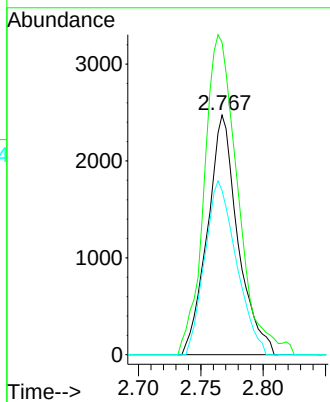
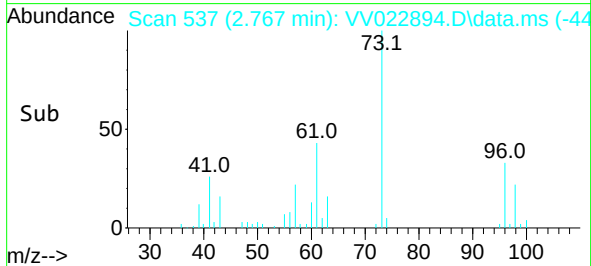


#18
trans-1,2-Dichloroethene
Concen: 0.525 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.006 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

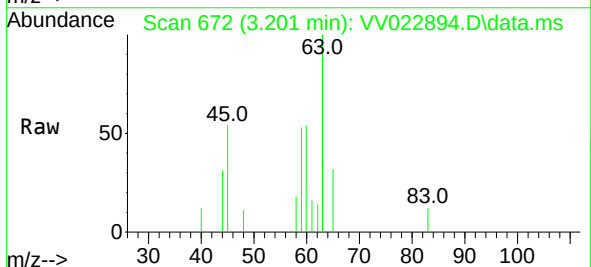
Instrument :
MSVOA_V
ClientSampleId :
BFGBO



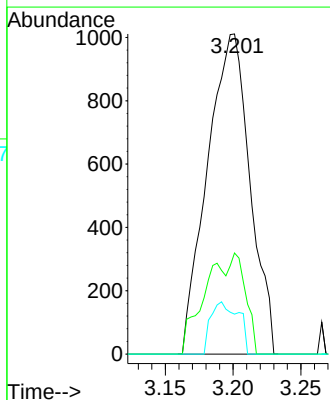
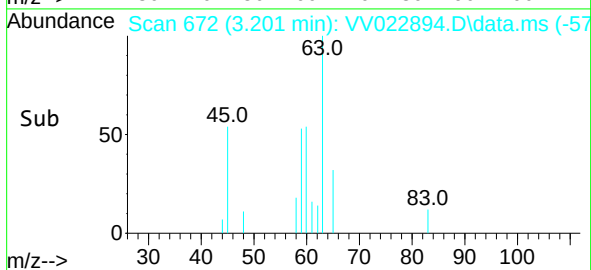
Tgt Ion:	96	Resp:	4205
Ion	Ratio	Lower	Upper
96	100		
61	130.3	94.5	175.5
98	68.5	44.2	82.0

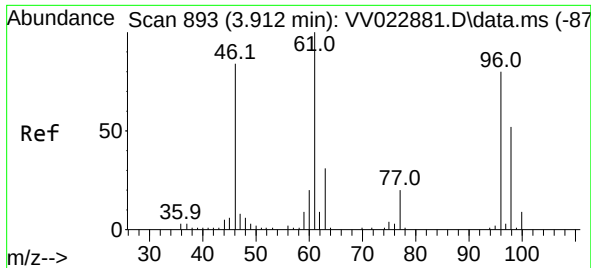


#19
1,1-Dichloroethane
Concen: 0.153 ug/L
RT: 3.201 min Scan# 672
Delta R.T. 0.010 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41



Tgt Ion:	63	Resp:	2210
Ion	Ratio	Lower	Upper
63	100		
65	31.6	23.5	43.7
83	12.5	10.1	18.7

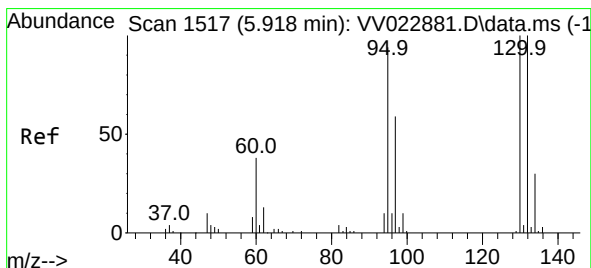
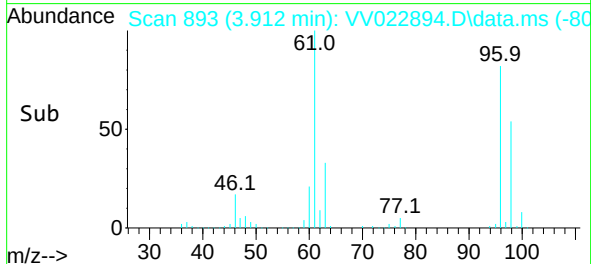
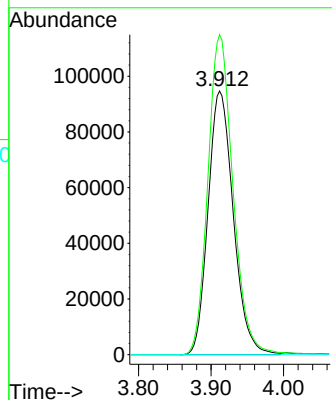
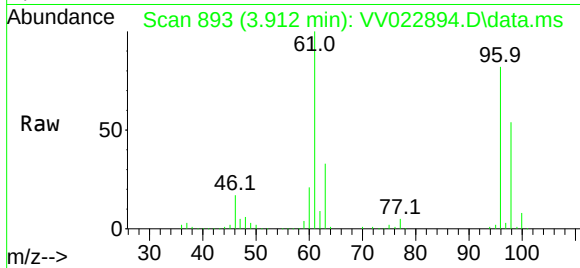




#22
cis-1,2-Dichloroethene
Concen: 27.261 ug/L
RT: 3.912 min Scan# 893
Delta R.T. -0.000 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

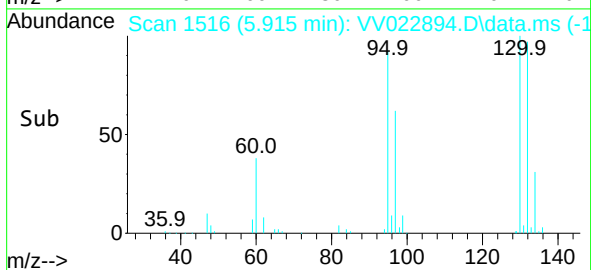
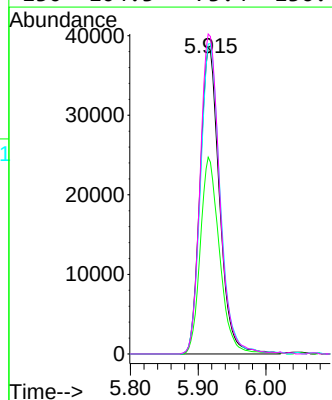
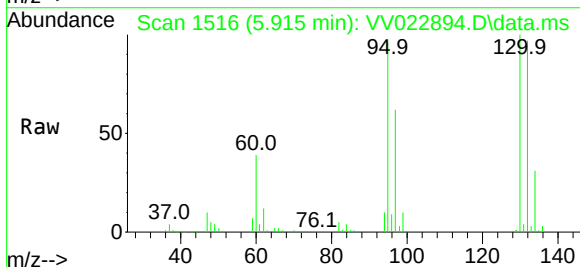
Instrument :
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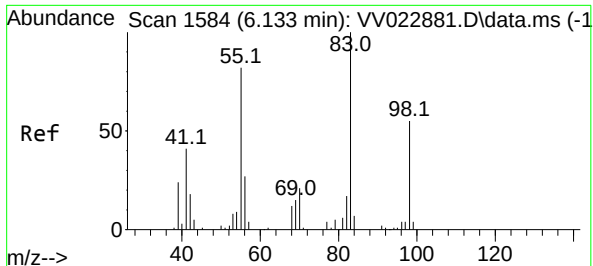
Tgt Ion: 96 Resp: 229114
Ion Ratio Lower Upper
96 100
61 121.4 86.0 159.6
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 8.394 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. -0.003 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

Tgt Ion: 95 Resp: 76221
Ion Ratio Lower Upper
95 100
97 64.1 45.8 85.2
132 101.0 72.2 134.0
130 104.3 73.4 136.4





#35

Methylcyclohexane

Concen: 1.075 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV022894.D

Acq: 19 Oct 2021 02:41

Tgt Ion: 83 Resp: 13681

Ion Ratio Lower Upper

83 100

55 0.0 63.8 95.6#

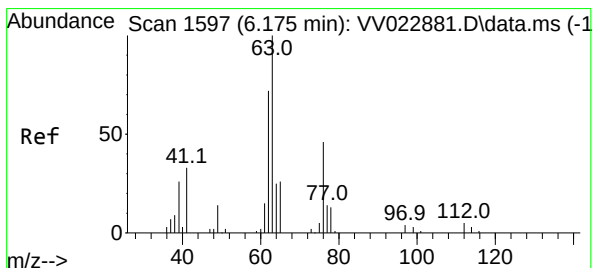
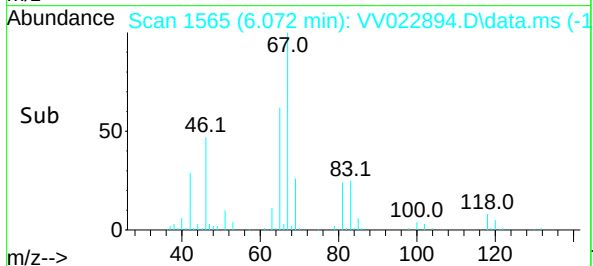
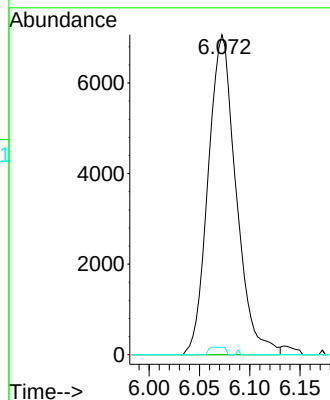
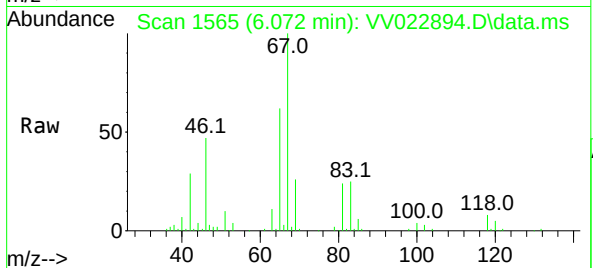
98 1.3 42.1 63.1#

Instrument :

MSVOA_V

ClientSampleId :

BFGB0



#37

1,2-Dichloropropane

Concen: 0.801 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.103 min

Lab File: VV022894.D

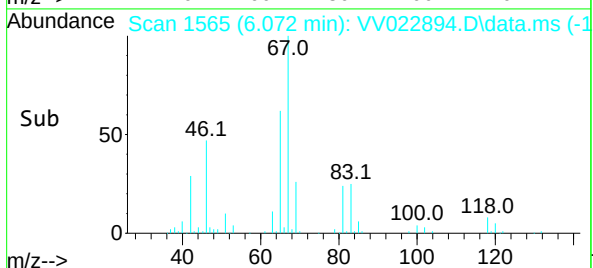
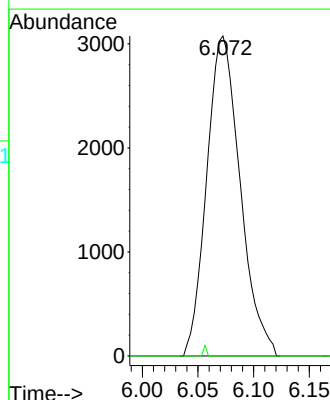
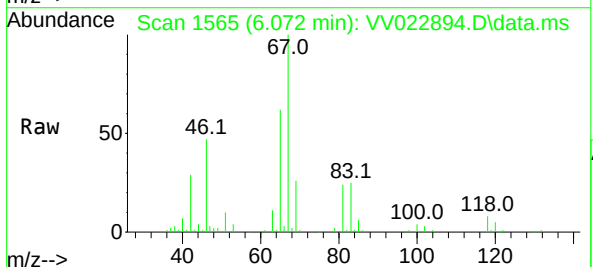
Acq: 19 Oct 2021 02:41

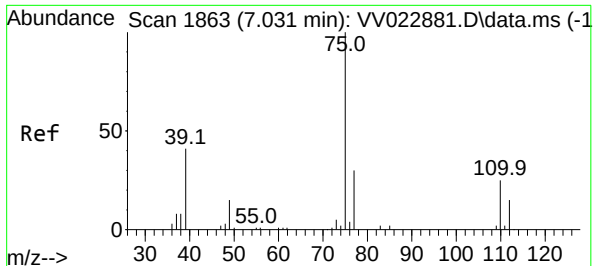
Tgt Ion: 63 Resp: 6430

Ion Ratio Lower Upper

63 100

112 0.3 4.4 6.6#

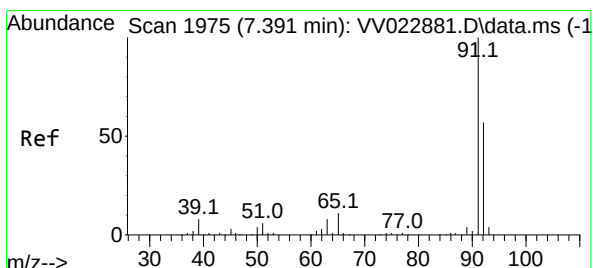
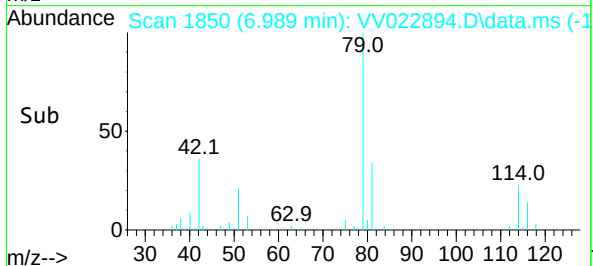
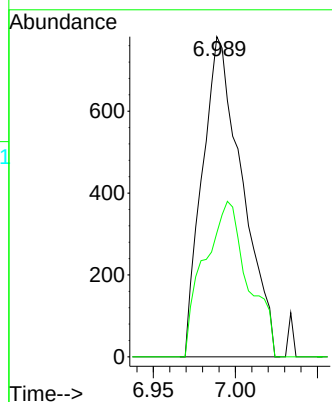
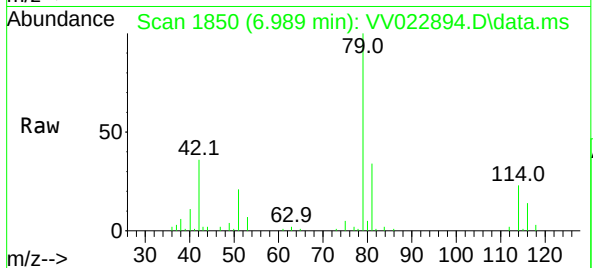




#39
 cis-1,3-Dichloropropene
 Concen: 0.124 ug/L
 RT: 6.989 min Scan# 1850
 Delta R.T. -0.042 min
 Lab File: VV022894.D
 Acq: 19 Oct 2021 02:41

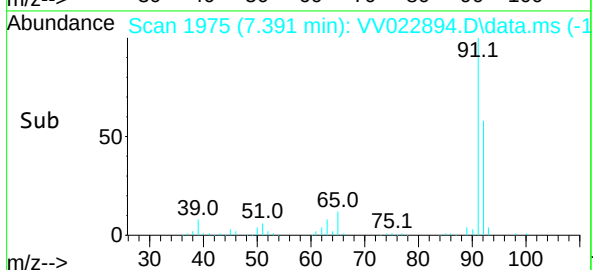
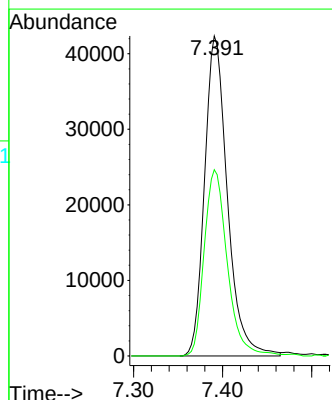
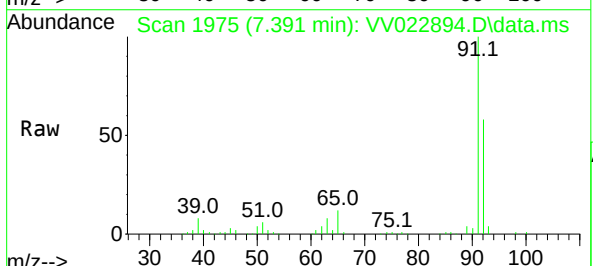
Instrument :
 MSVOA_V
 ClientSampled :
 BFGBO

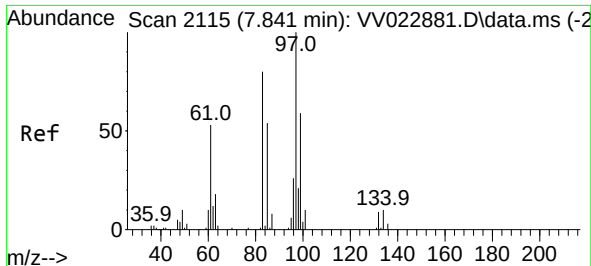
Tgt Ion: 75 Resp: 1316
 Ion Ratio Lower Upper
 75 100
 77 38.7 22.3 41.3



#42
 Toluene
 Concen: 2.222 ug/L
 RT: 7.391 min Scan# 1975
 Delta R.T. -0.000 min
 Lab File: VV022894.D
 Acq: 19 Oct 2021 02:41

Tgt Ion: 91 Resp: 75318
 Ion Ratio Lower Upper
 91 100
 92 58.2 40.7 75.7

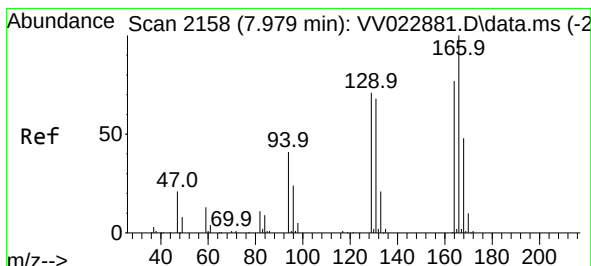
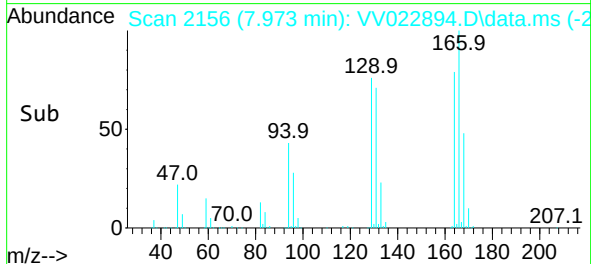
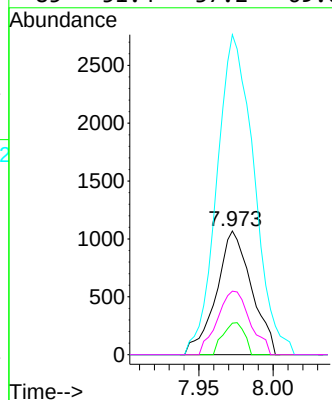
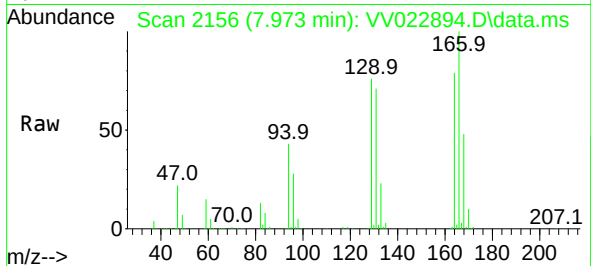




#45
1,1,2-Trichloroethane
Concen: 0.296 ug/L
RT: 7.973 min Scan# 2156
Delta R.T. 0.132 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

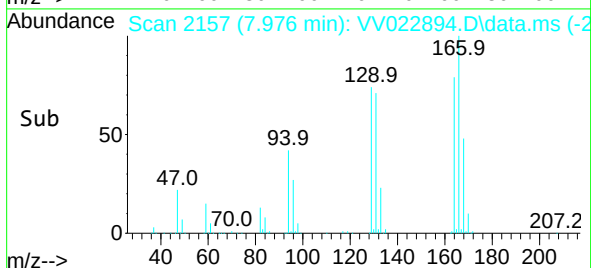
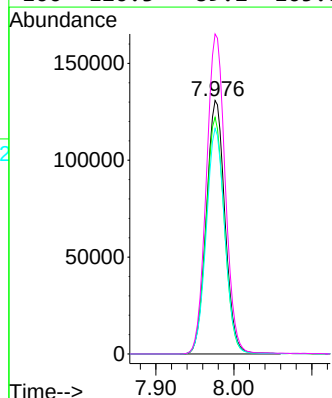
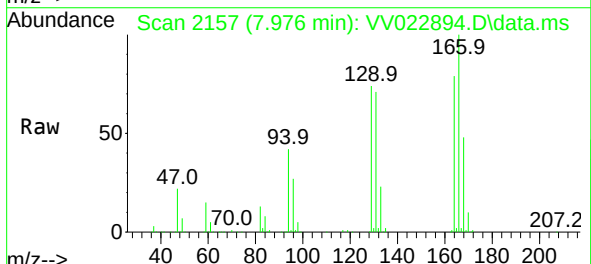
Instrument :
MSVOA_V
ClientSampled :
BFGB0

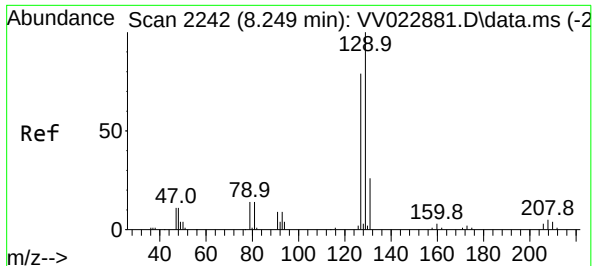
Tgt Ion: 97	Resp: 1764
Ion Ratio	Lower Upper
97 100	
99 25.5	44.5 82.7#
83 258.7	56.6 105.0#
85 51.4	37.2 69.0



#47
Tetrachloroethene
Concen: 29.541 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.003 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

Tgt Ion: 164	Resp: 216940
Ion Ratio	Lower Upper
164 100	
129 93.4	65.0 120.6
131 89.0	62.2 115.4
166 126.3	89.2 165.8





#49

Dibromochloromethane

Concen: 27.187 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.273 min

Lab File: VV022894.D

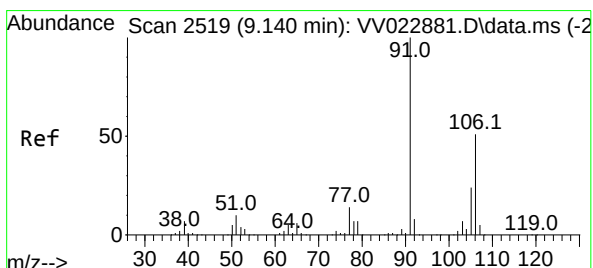
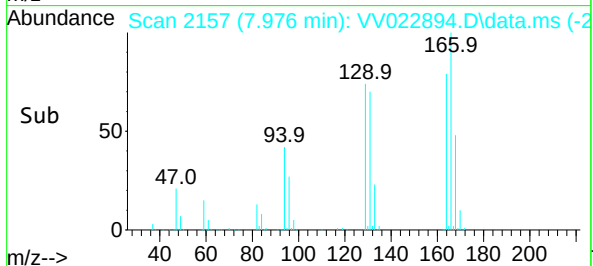
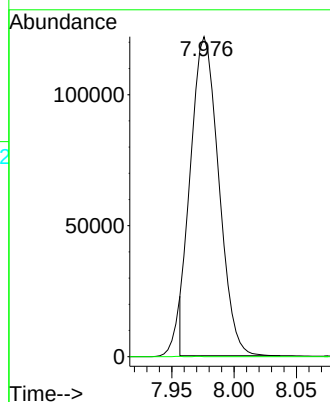
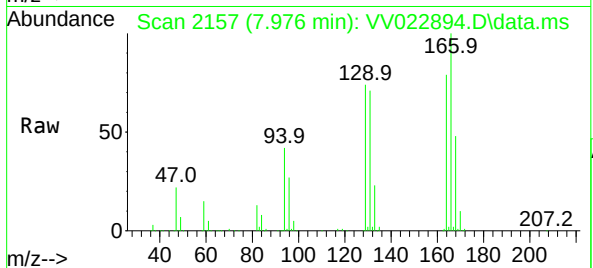
Acq: 19 Oct 2021 02:41

Tgt Ion:129 Resp: 189659

Ion Ratio Lower Upper

129 100

127 0.0 59.1 109.9#



#53

m,p-xylene

Concen: 0.102 ug/L

RT: 9.146 min Scan# 2521

Delta R.T. 0.006 min

Lab File: VV022894.D

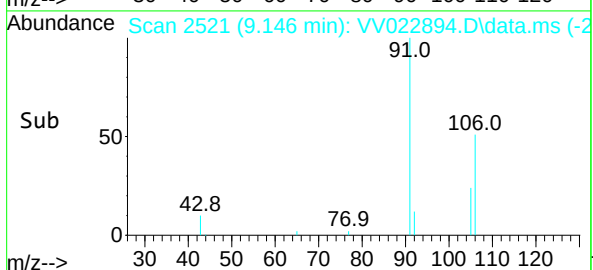
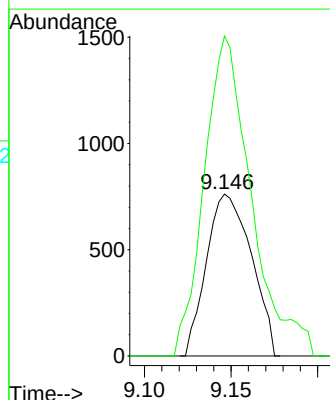
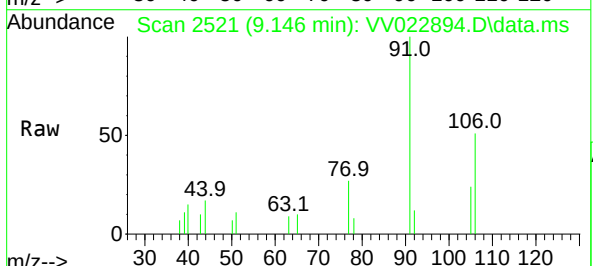
Acq: 19 Oct 2021 02:41

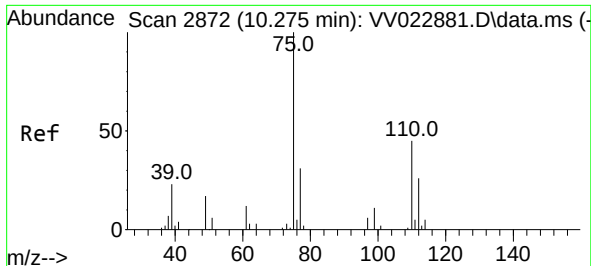
Tgt Ion:106 Resp: 1375

Ion Ratio Lower Upper

106 100

91 197.6 138.7 257.5

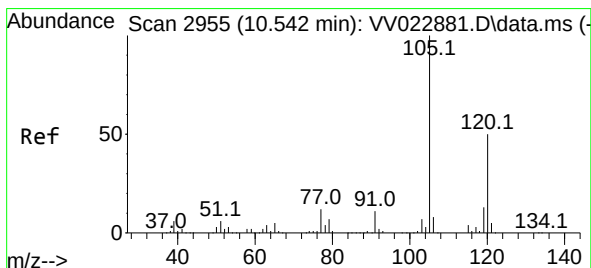
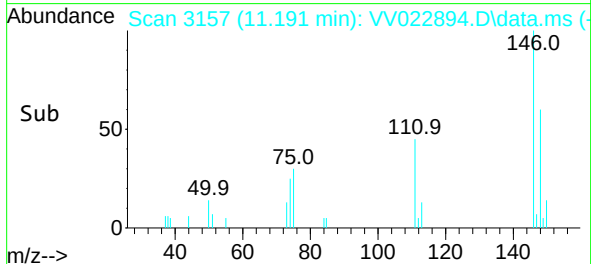
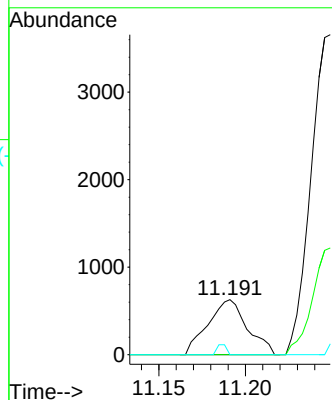
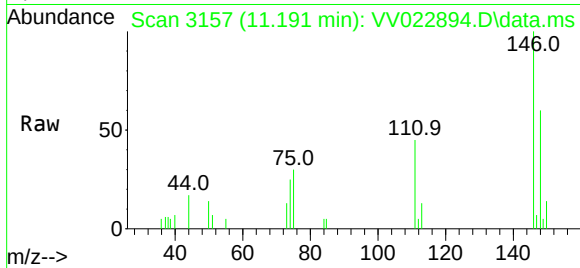




#61
1,2,3-Trichloropropane
Concen: 0.245 ug/L
RT: 11.191 min Scan# 3157
Delta R.T. 0.916 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

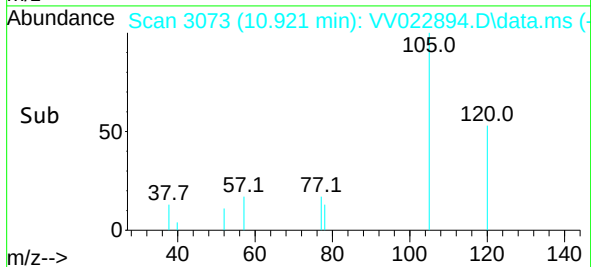
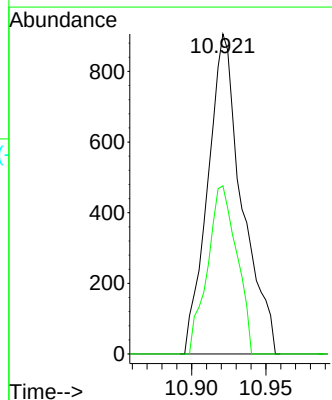
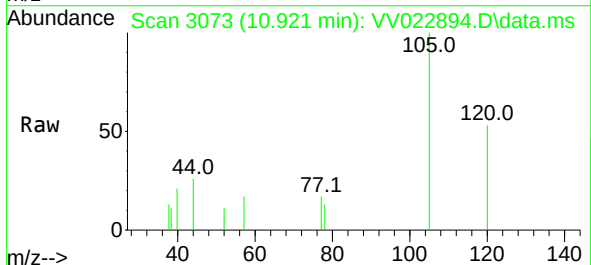
Instrument :
MSVOA_V
ClientSampled :
BFGBO

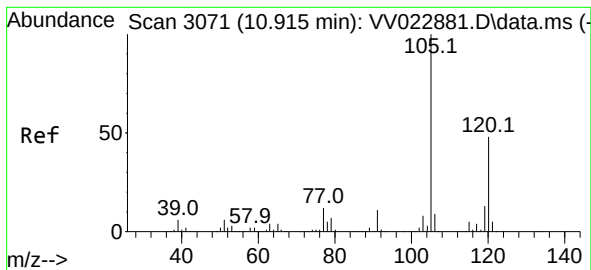
Tgt Ion: 75 Resp: 994
Ion Ratio Lower Upper
75 100
77 15.7 25.4 38.2#
110 4.4 34.2 51.4#



#62
1,3,5-Trimethylbenzene
Concen: 0.061 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.379 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

Tgt Ion: 105 Resp: 1451
Ion Ratio Lower Upper
105 100
120 44.9 39.4 59.2

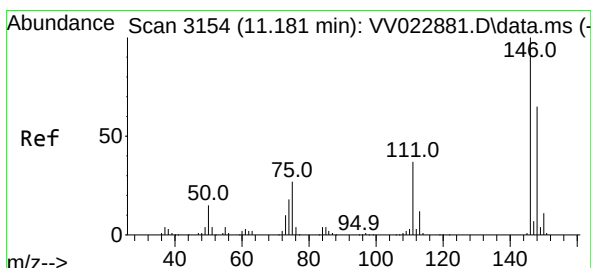
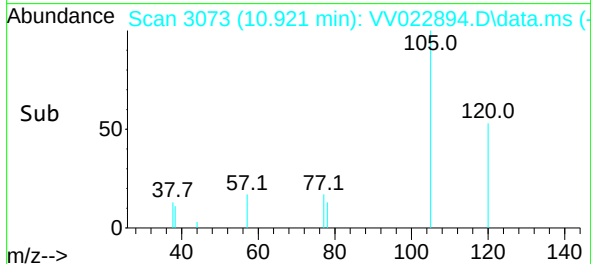
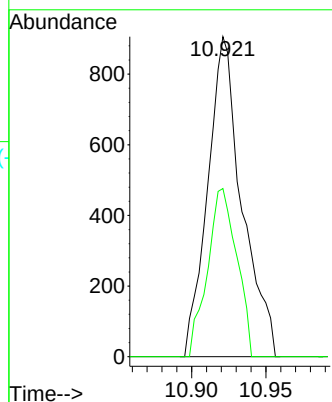
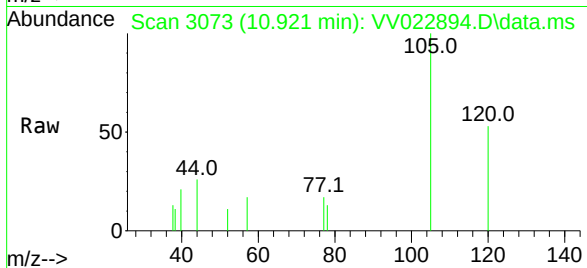




#63
1,2,4-Trimethylbenzene
Concen: 0.061 ug/L
RT: 10.921 min Scan# 3073
Delta R.T. 0.006 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

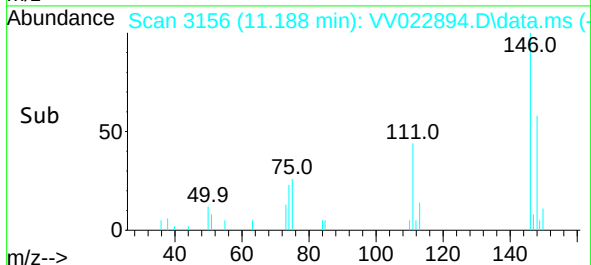
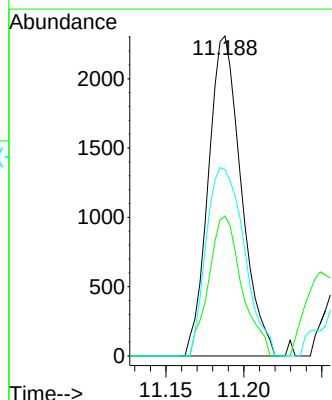
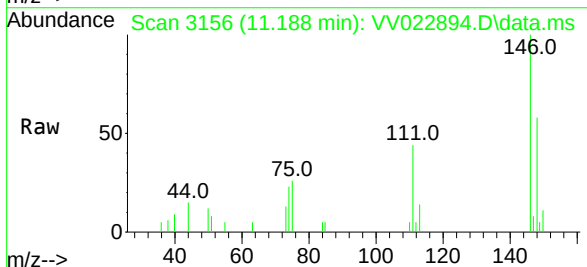
Instrument :
MSVOA_V
ClientSampled :
BFGBO

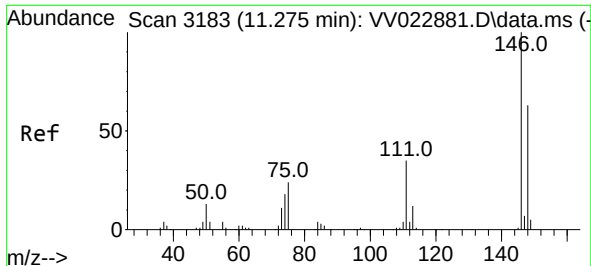
Tgt Ion:105 Resp: 1451
Ion Ratio Lower Upper
105 100
120 44.9 37.3 55.9



#64
1,3-Dichlorobenzene
Concen: 0.218 ug/L
RT: 11.188 min Scan# 3156
Delta R.T. 0.006 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

Tgt Ion:146 Resp: 3396
Ion Ratio Lower Upper
146 100
111 43.7 26.7 49.5
148 58.3 45.1 83.9

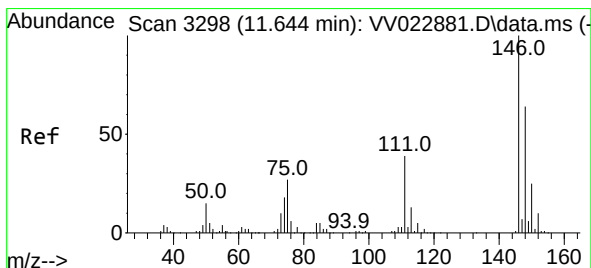
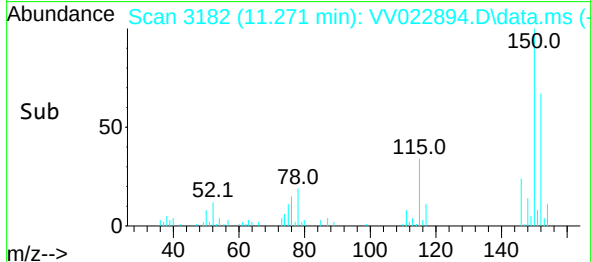
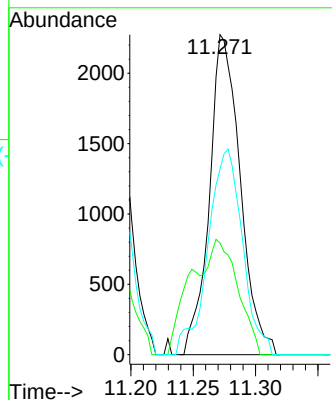
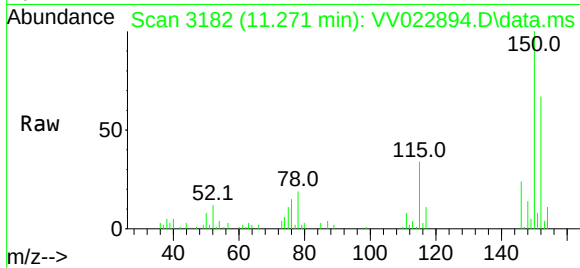




#65
1,4-Dichlorobenzene
Concen: 0.248 ug/L
RT: 11.271 min Scan# 3182
Delta R.T. -0.003 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

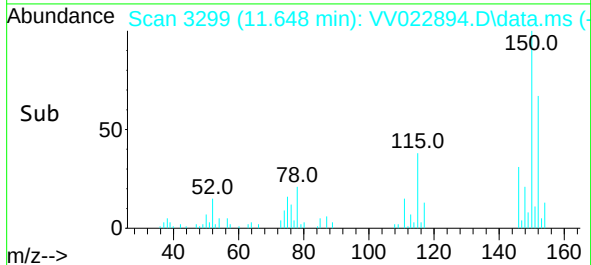
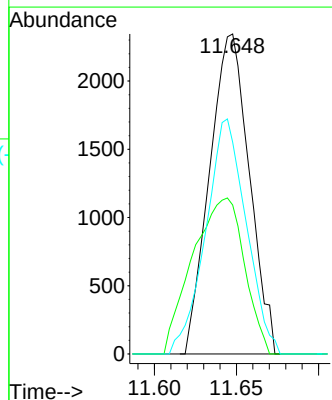
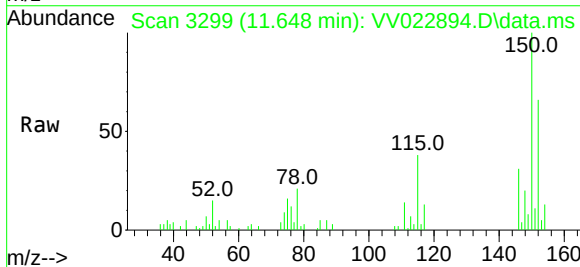
Instrument :
MSVOA_V
ClientSampled :
BFGB0

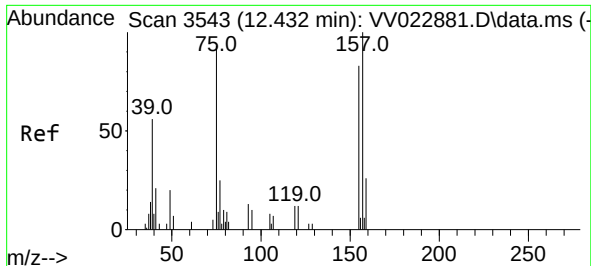
Tgt Ion:146 Resp: 3919
Ion Ratio Lower Upper
146 100
111 34.9 25.6 47.4
148 58.0 44.9 83.5



#67
1,2-Dichlorobenzene
Concen: 0.270 ug/L
RT: 11.648 min Scan# 3299
Delta R.T. 0.003 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

Tgt Ion:146 Resp: 3941
Ion Ratio Lower Upper
146 100
111 46.6 32.3 48.5
148 66.1 52.1 78.1

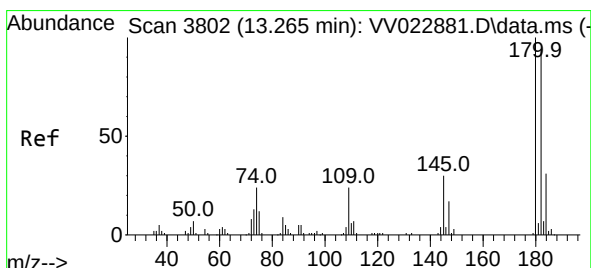
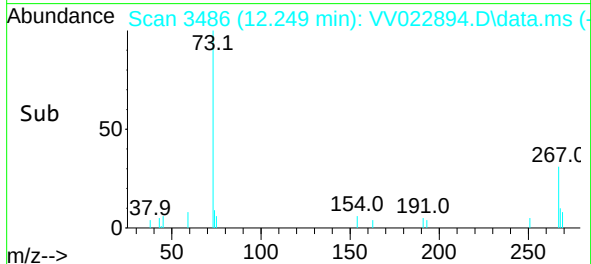
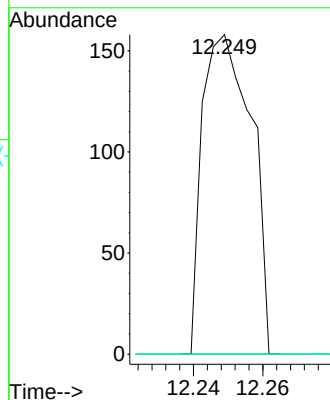
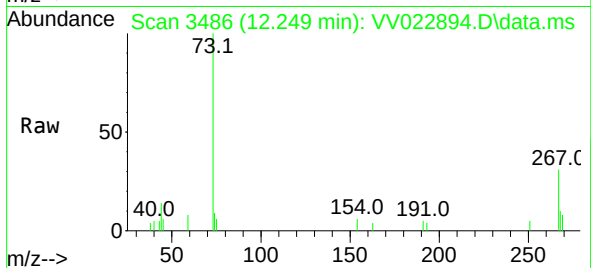




#68
1,2-Dibromo-3-chloropropane
Concen: 0.210 ug/L
RT: 12.249 min Scan# 3486
Delta R.T. -0.183 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

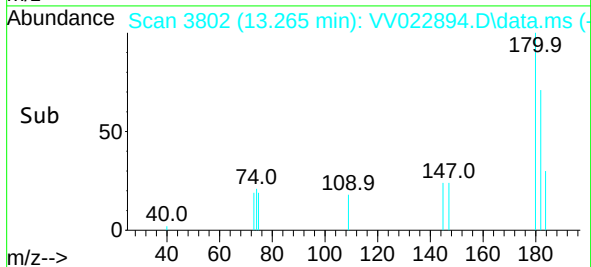
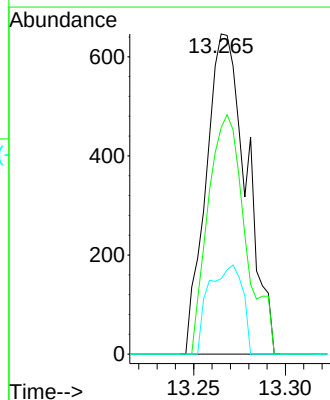
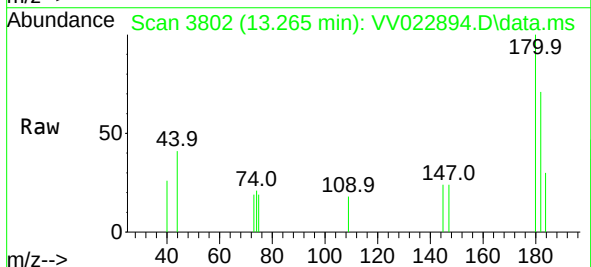
Instrument :
MSVOA_V
ClientSampleId :
BFGBO

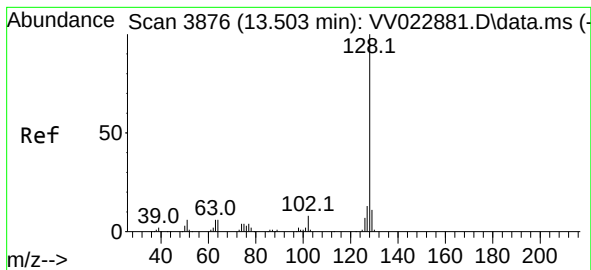
Tgt Ion: 75 Resp: 155
Ion Ratio Lower Upper
75 100
155 0.0 82.4 123.6#
157 0.0 114.1 171.1#



#70
1,2,4-trichlorobenzene
Concen: 0.111 ug/L
RT: 13.265 min Scan# 3802
Delta R.T. -0.000 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

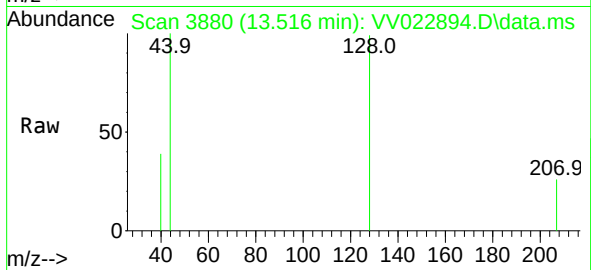
Tgt Ion: 180 Resp: 993
Ion Ratio Lower Upper
180 100
182 68.8 76.0 114.0#
145 23.0 24.1 36.1#





#71
Naphthalene
Concen: 0.054 ug/L
RT: 13.516 min Scan# 3880
Delta R.T. 0.013 min
Lab File: VV022894.D
Acq: 19 Oct 2021 02:41

Instrument :
MSVOA_V
ClientSampleId :
BFGBO



Tgt Ion:128 Resp: 768
Ion Ratio Lower Upper
128 100
129 0.0 9.3 13.9#
127 0.0 10.8 16.2#

