

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102621\
 Data File : VW023038.D
 Acq On : 26 Oct 2021 14:52
 Operator : SY/MD
 Sample : M4277-03DL 4X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA5DL

Quant Time: Oct 27 01:33:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 27 01:29:33 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	126177	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	125680	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	53461	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	52732	4.783	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	95.600%	
7) Chloroethane-d5	1.567	69	32277	4.733	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	94.600%	
11) 1,1-Dichloroethene-d2	2.108	63	58627	3.686	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	73.800%	
20) 2-Butanone-d5	3.895	46	104821	59.266	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	118.540%	
24) Chloroform-d	4.352	84	100810	5.624	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	112.400%	
26) 1,2-Dichloroethane-d4	5.034	65	47958	5.676	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	113.600%	
32) Benzene-d6	5.053	84	201344	5.487	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	109.800%	
36) 1,2-Dichloropropane-d6	6.072	67	62807	5.560	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	111.200%	
41) Toluene-d8	7.320	98	169101	5.131	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.600%	
43) trans-1,3-Dichloroprop...	7.625	79	20988	5.303	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	106.000%	
46) 2-Hexanone-d5	8.091	63	75171	51.303	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	102.600%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	39867	5.112	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	102.200%	
66) 1,2-Dichlorobenzene-d4	11.625	152	61067	6.402	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	128.000%#	
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	526	0.061	ug/L	98
6) Bromomethane	1.523	94	283	0.063	ug/L #	56
12) 1,1-Dichloroethene	2.104	96	591	0.091	ug/L #	1
17) Methyl tert-butyl Ether	2.773	73	939	0.061	ug/L #	72
22) cis-1,2-Dichloroethene	3.911	96	1460	0.187	ug/L #	88
27) 1,2-Dichloroethane	5.050	62	1110	0.126	ug/L #	72
34) Trichloroethene	5.921	95	6402	0.753	ug/L	96
35) Methylcyclohexane	6.072	83	14806	1.217	ug/L #	18
37) 1,2-Dichloropropane	6.069	63	6721	0.788	ug/L #	83
39) cis-1,3-Dichloropropene	6.989	75	1450	0.137	ug/L #	60
42) Toluene	7.403	91	3765	0.110	ug/L	98
45) 1,1,2-Trichloroethane	7.979	97	437	0.073	ug/L #	1
47) Tetrachloroethene	7.979	164	48189	6.713	ug/L	98
48) 2-Hexanone	8.149	43	4716	1.583	ug/L #	85
49) Dibromochloromethane	7.976	129	44463	6.266	ug/L #	10
61) 1,2,3-Trichloropropane	11.188	75	244	0.065	ug/L #	61

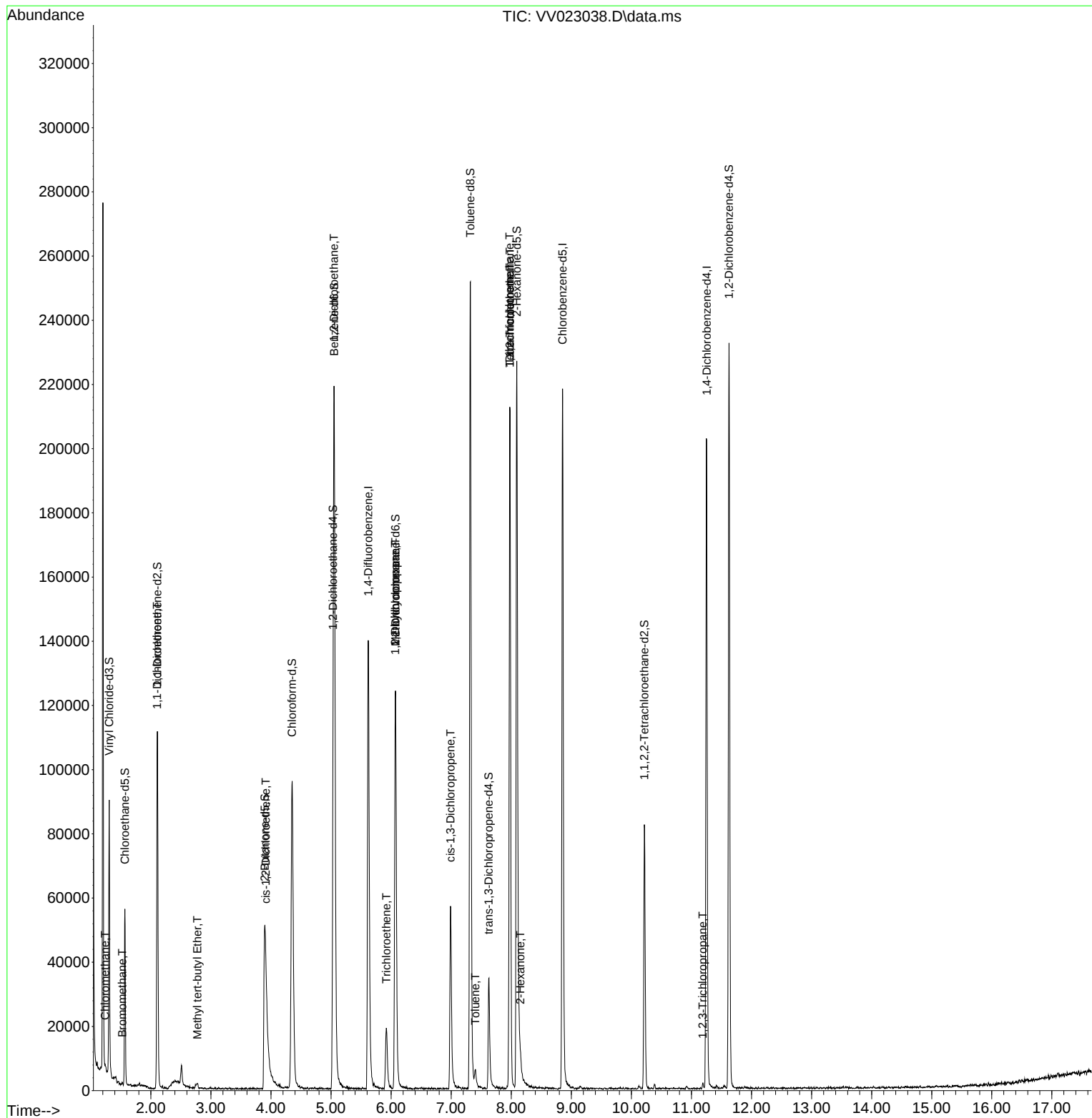
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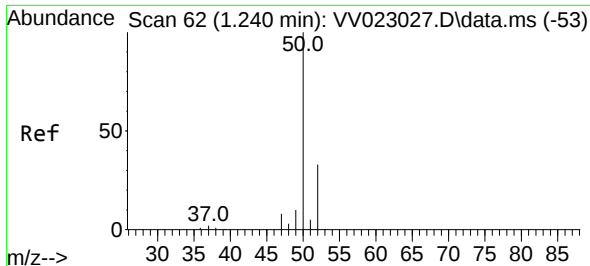
Instrument :
MSVOA_V
ClientSampleId :
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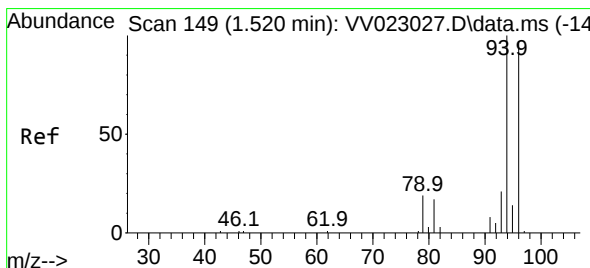
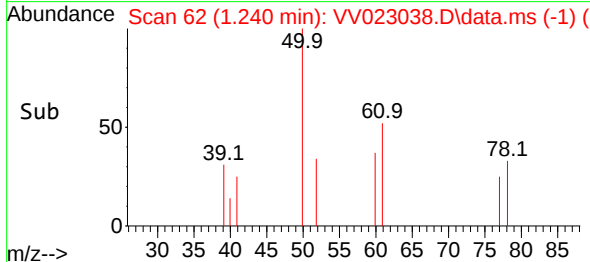
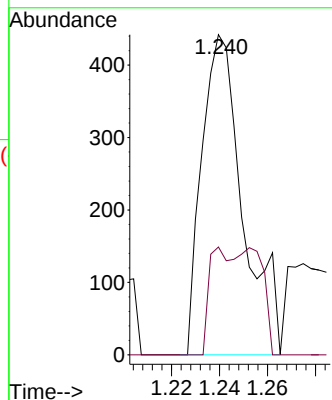
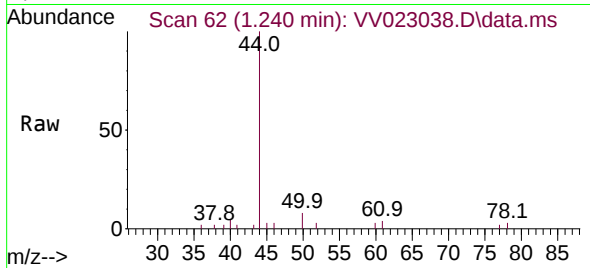




#3
Chloromethane
Concen: 0.061 ug/L
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV023038.D
Acq: 26 Oct 2021 14:52

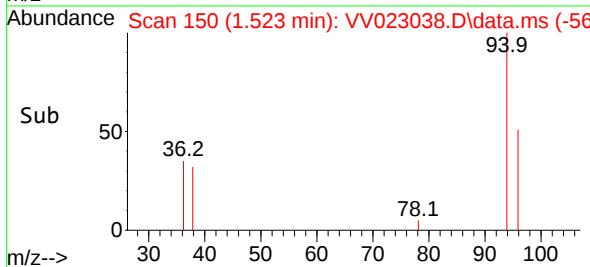
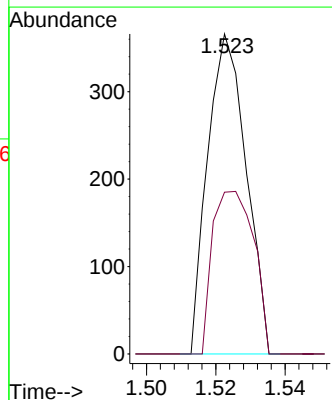
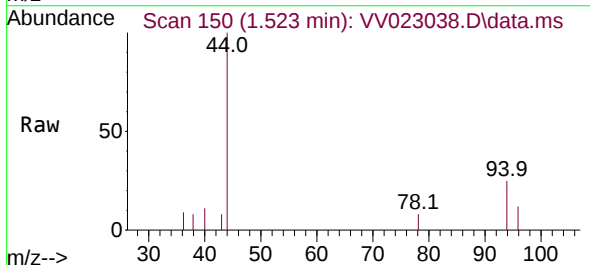
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MSVOA_V
ClientSampleId :
BFGA5DL

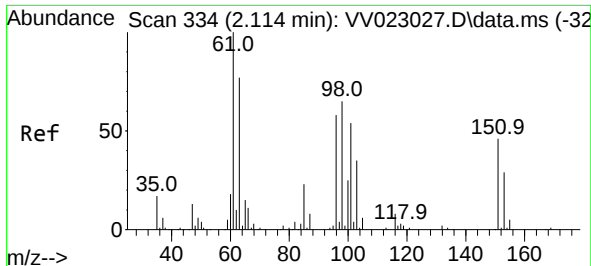
Tgt Ion: 50 Resp: 526
Ion Ratio Lower Upper
50 100
52 33.7 24.3 45.1



#6
Bromomethane
Concen: 0.063 ug/L
RT: 1.523 min Scan# 150
Delta R.T. 0.003 min
Lab File: VV023038.D
Acq: 26 Oct 2021 14:52

Tgt Ion: 94 Resp: 283
Ion Ratio Lower Upper
94 100
96 50.5 65.0 120.8#

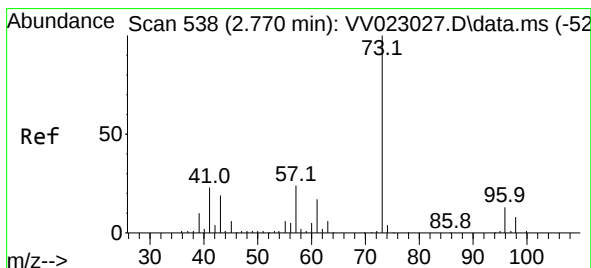
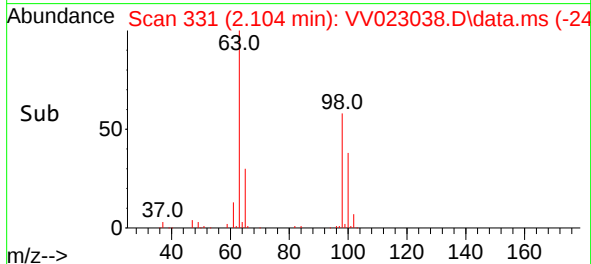
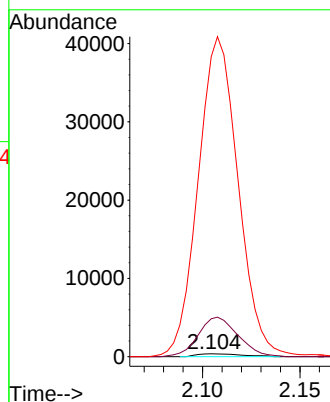
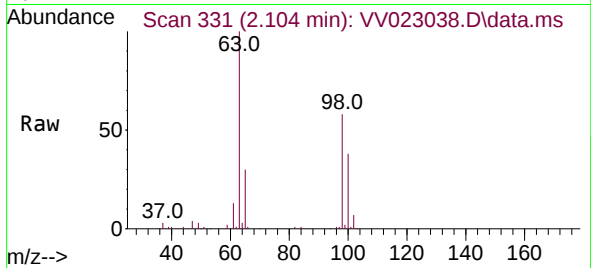




#12
1,1-Dichloroethene
Concen: 0.091 ug/L
RT: 2.104 min Scan# 31
Delta R.T. -0.010 min
Lab File: VV023038.D
Acq: 26 Oct 2021 14:52

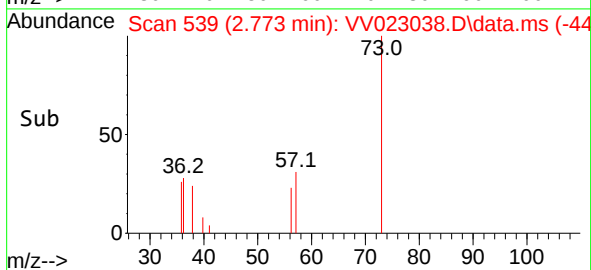
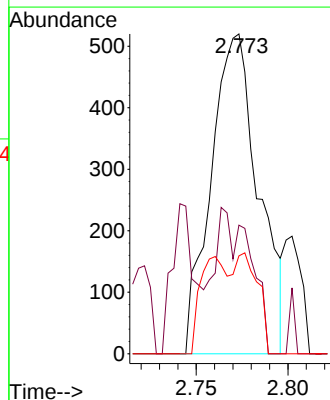
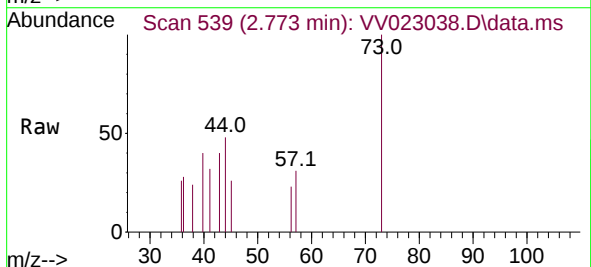
Instrument :
MSVOA_V
ClientSampleId :
BFGA5DL

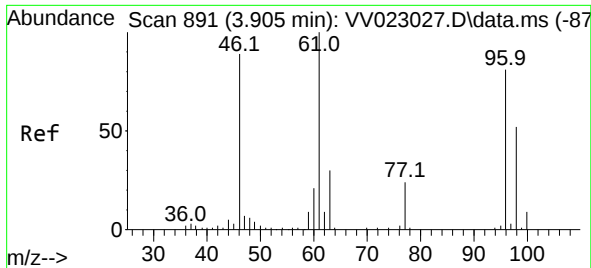
Tgt Ion: 96 Resp: 591
Ion Ratio Lower Upper
96 100
61 1343.9 121.5 225.7#
63 10646.7 99.6 185.0#



#17
Methyl tert-butyl Ether
Concen: 0.061 ug/L
RT: 2.773 min Scan# 539
Delta R.T. 0.003 min
Lab File: VV023038.D
Acq: 26 Oct 2021 14:52

Tgt Ion: 73 Resp: 939
Ion Ratio Lower Upper
73 100
43 0.0 17.4 26.0#
57 16.7 16.5 24.7

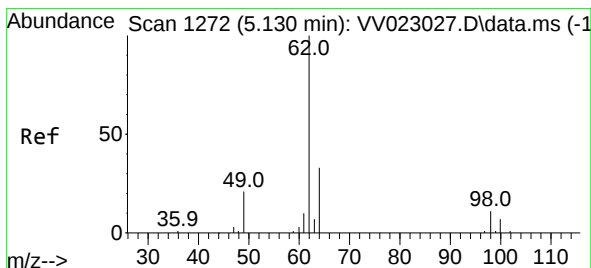
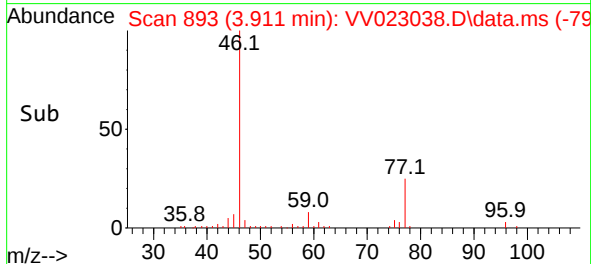
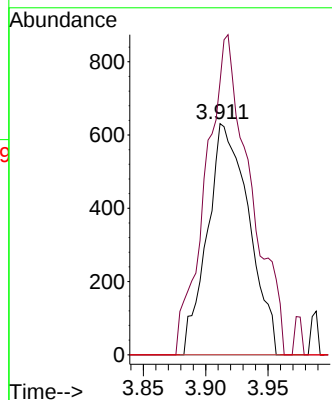
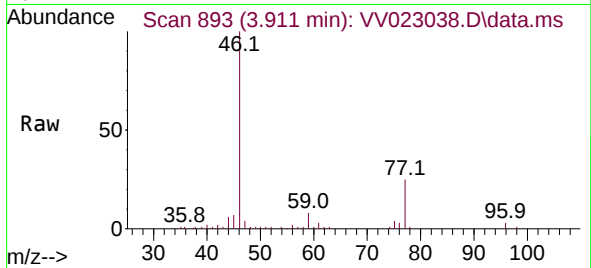




#22
 cis-1,2-Dichloroethene
 Concen: 0.187 ug/L
 RT: 3.911 min Scan# 891
 Delta R.T. 0.006 min
 Lab File: VV023038.D
 Acq: 26 Oct 2021 14:52

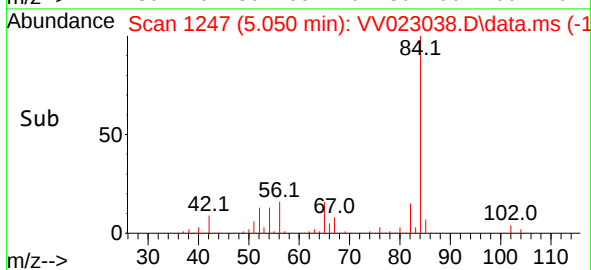
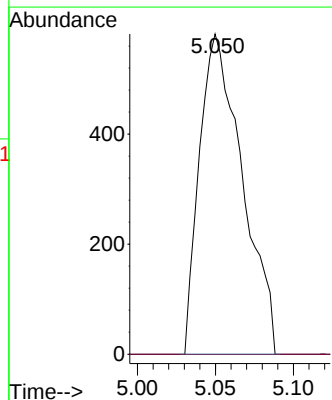
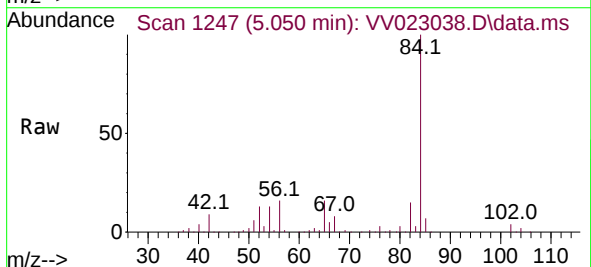
Instrument :
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 ClientSampleId :
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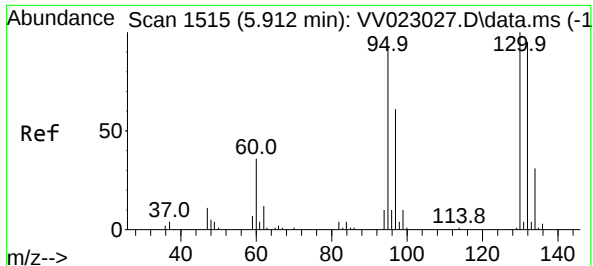
Tgt Ion: 96 Resp: 1460
 Ion Ratio Lower Upper
 96 100
 61 118.1 92.3 171.3
 68 0.0 0.4 0.8#



#27
 1,2-Dichloroethane
 Concen: 0.126 ug/L
 RT: 5.050 min Scan# 1247
 Delta R.T. -0.081 min
 Lab File: VV023038.D
 Acq: 26 Oct 2021 14:52

Tgt Ion: 62 Resp: 1110
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#



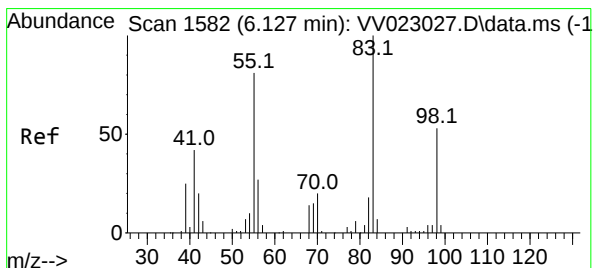
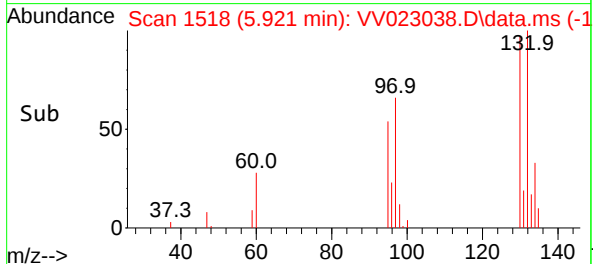
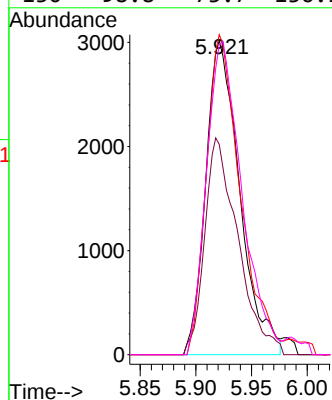
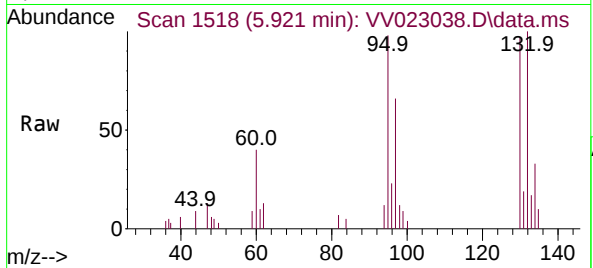


#34
Trichloroethene
Concen: 0.753 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.009 min
Lab File: VV023038.D
Acq: 26 Oct 2021 14:52

Instrument :
MSVOA_V
ClientSampleId :
BFGA5DL

Tgt Ion: 95 Resp: 6402

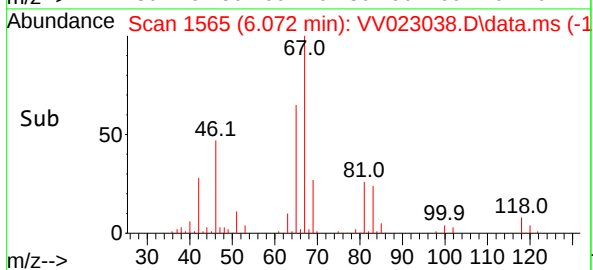
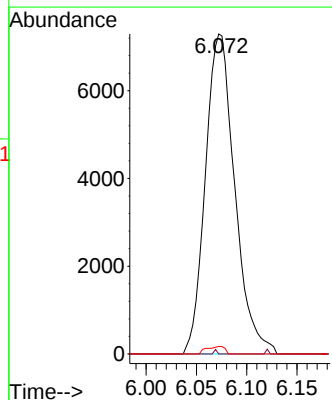
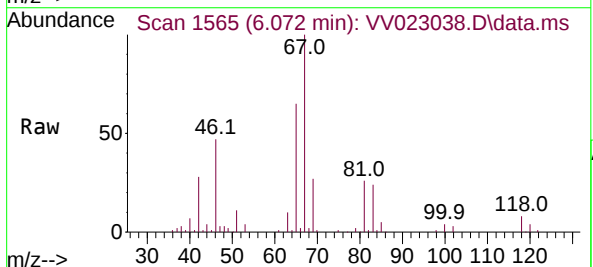
Ion	Ratio	Lower	Upper
95	100		
97	66.9	45.0	83.6
132	101.9	69.7	129.4
130	98.8	73.7	136.9

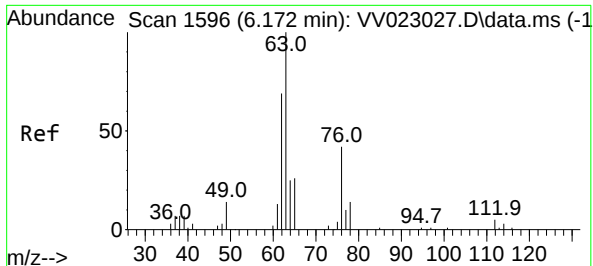


#35
Methylcyclohexane
Concen: 1.217 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.055 min
Lab File: VV023038.D
Acq: 26 Oct 2021 14:52

Tgt Ion: 83 Resp: 14806

Ion	Ratio	Lower	Upper
83	100		
55	0.1	62.8	94.2#
98	1.4	37.9	56.9#





#37

1,2-Dichloropropane

Concen: 0.788 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV023038.D

Acq: 26 Oct 2021 14:52

Instrument :

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ClientSampleId :

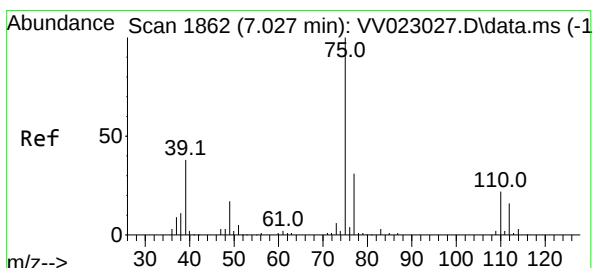
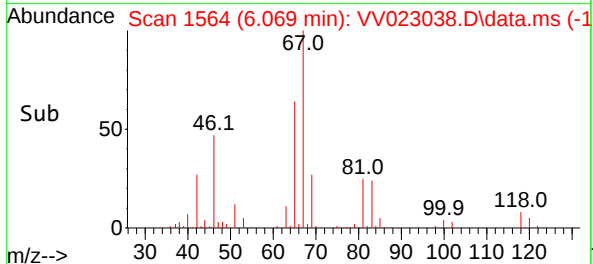
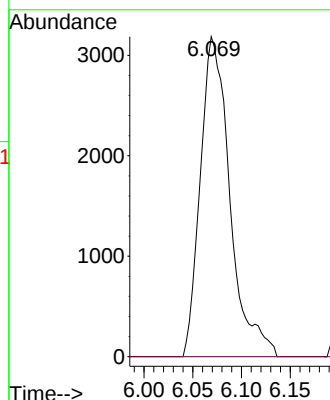
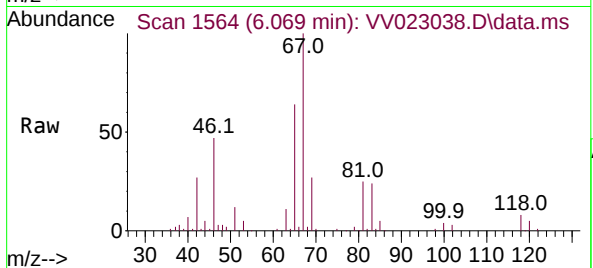
BFGA5DL

Tgt Ion: 63 Resp: 6721

Ion Ratio Lower Upper

63 100

112 0.0 4.6 6.8#



#39

cis-1,3-Dichloropropene

Concen: 0.137 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.039 min

Lab File: VV023038.D

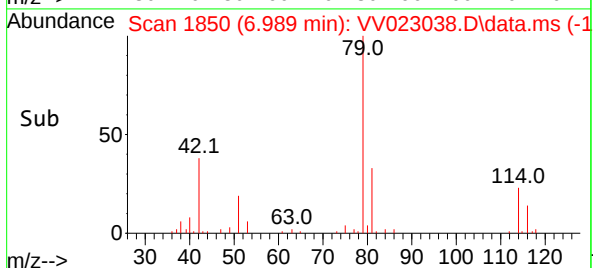
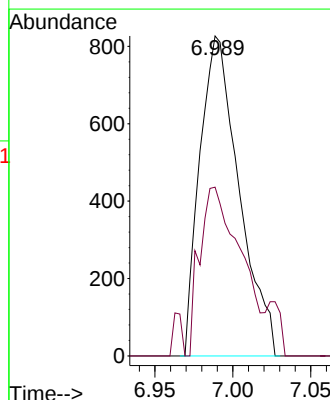
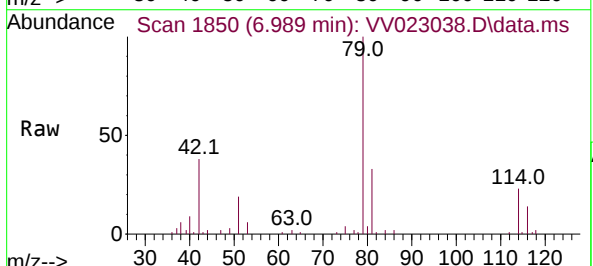
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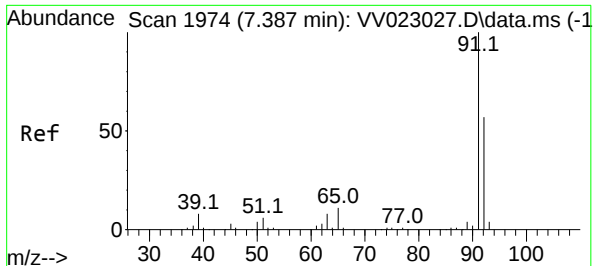
Tgt Ion: 75 Resp: 1450

Ion Ratio Lower Upper

75 100

77 52.7 21.6 40.2#





#42

Toluene

Concen: 0.110 ug/L

RT: 7.403 min Scan# 1974

Delta R.T. 0.016 min

Lab File: VV023038.D

Acq: 26 Oct 2021 14:52

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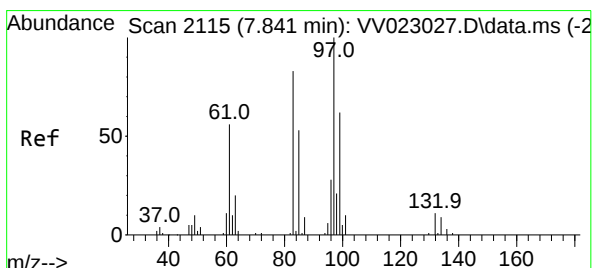
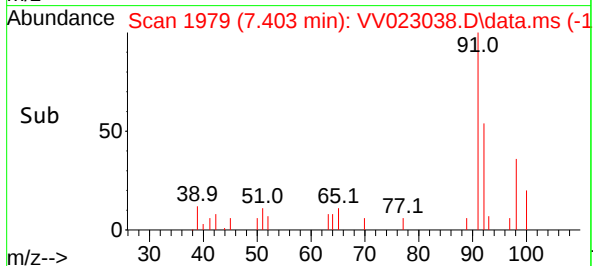
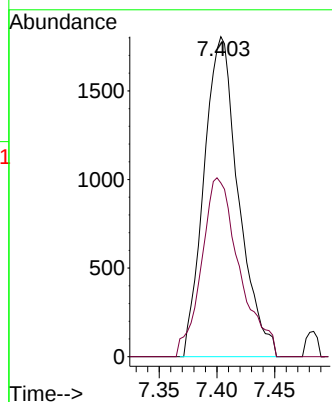
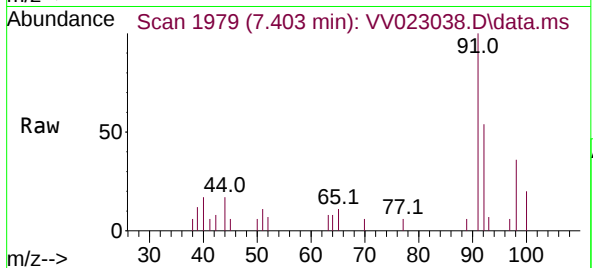
BFGA5DL

Tgt Ion: 91 Resp: 3765

Ion Ratio Lower Upper

91 100

92 54.3 39.3 72.9



#45

1,1,2-Trichloroethane

Concen: 0.073 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.138 min

Lab File: VV023038.D

Acq: 26 Oct 2021 14:52

Tgt Ion: 97 Resp: 437

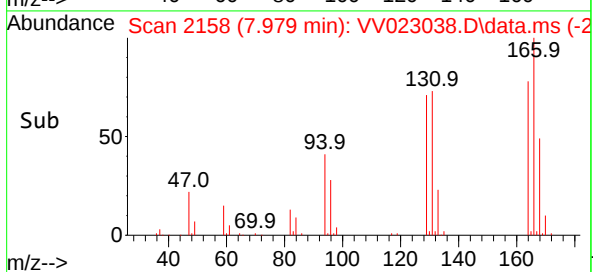
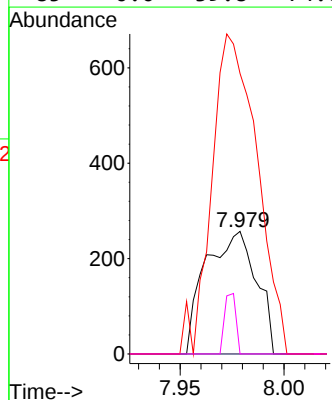
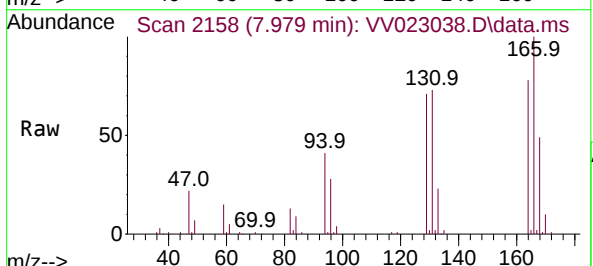
Ion Ratio Lower Upper

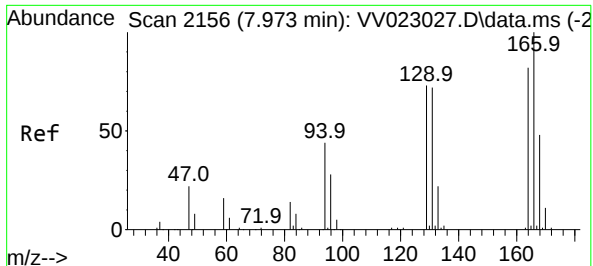
97 100

99 0.0 43.6 81.0#

83 228.8 58.4 108.4#

85 0.0 39.8 74.0#

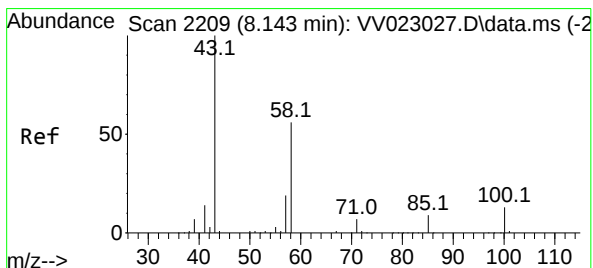
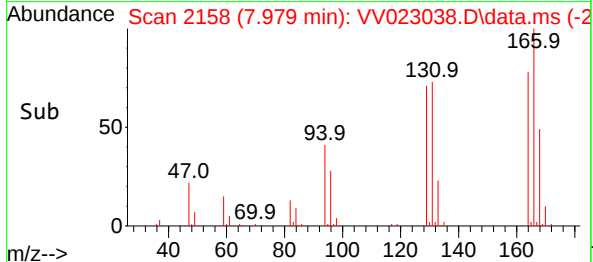
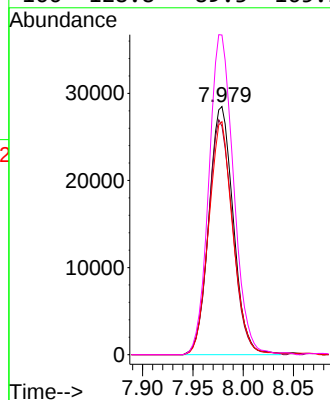
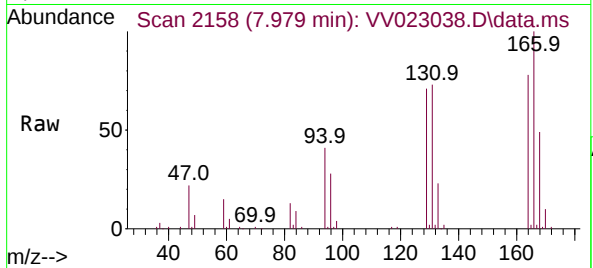




#47
Tetrachloroethene
Concen: 6.713 ug/L
RT: 7.979 min Scan# 2156
Delta R.T. 0.006 min
Lab File: VV023038.D
Acq: 26 Oct 2021 14:52

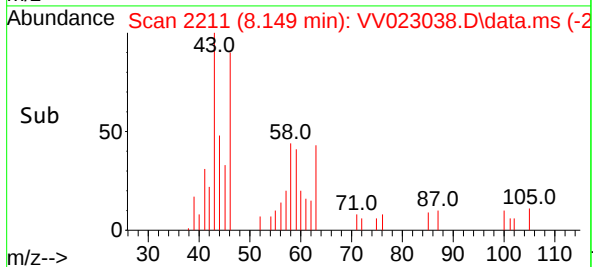
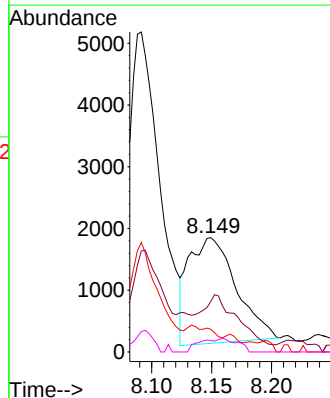
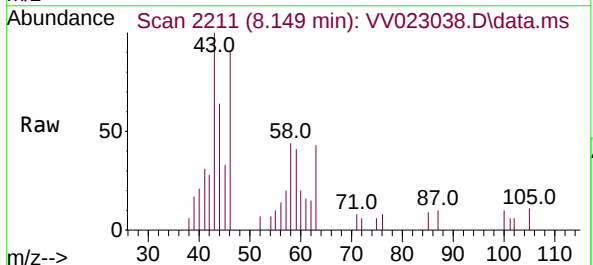
Instrument :
MSVOA_V
ClientSampleId :
BFGA5DL

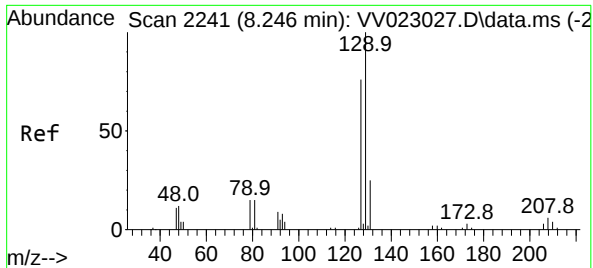
Tgt Ion:164 Resp: 48189
Ion Ratio Lower Upper
164 100
129 92.1 64.0 119.0
131 93.9 63.4 117.8
166 128.8 89.3 165.9



#48
2-Hexanone
Concen: 1.583 ug/L
RT: 8.149 min Scan# 2211
Delta R.T. 0.006 min
Lab File: VV023038.D
Acq: 26 Oct 2021 14:52

Tgt Ion: 43 Resp: 4716
Ion Ratio Lower Upper
43 100
58 42.7 43.7 65.5#
57 14.4 14.1 21.1
100 4.7 10.2 15.2#

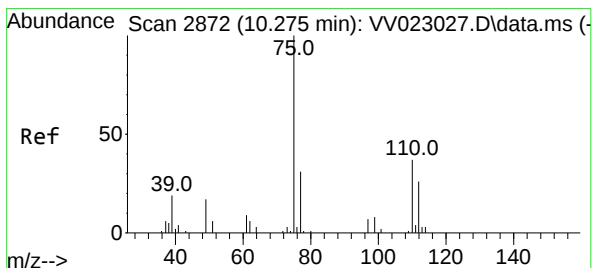
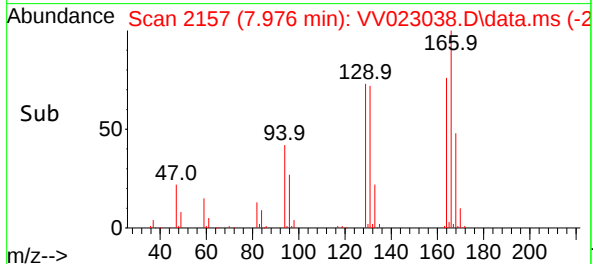
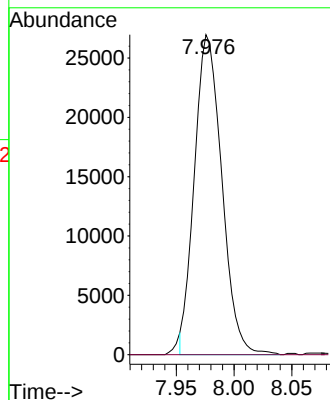
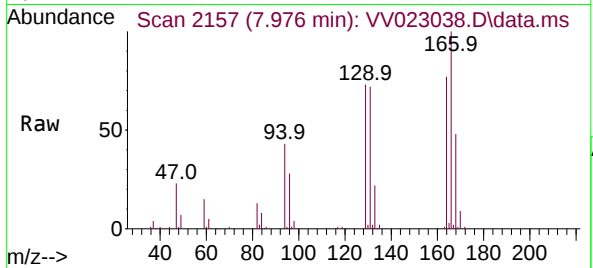




#49
 Dibromochloromethane
 Concen: 6.266 ug/L
 RT: 7.976 min Scan# 2157
 Delta R.T. -0.270 min
 Lab File: VV023038.D
 Acq: 26 Oct 2021 14:52

Instrument :
 MSVOA_V
 ClientSampleId :
 BFGA5DL

Tgt Ion:129 Resp: 44463
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.7 101.7#



#61
 1,2,3-Trichloropropane
 Concen: 0.065 ug/L
 RT: 11.188 min Scan# 3156
 Delta R.T. 0.913 min
 Lab File: VV023038.D
 Acq: 26 Oct 2021 14:52

Tgt Ion: 75 Resp: 244
 Ion Ratio Lower Upper
 75 100
 77 27.9 26.6 39.8
 110 0.0 31.8 47.6#

