

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111922\
 Data File : VW029210.D
 Acq On : 20 Nov 2022 07:26
 Operator : SY/MD
 Sample : N5651-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1K3

Quant Time: Nov 21 00:24:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sun Nov 20 03:53:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	310538	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	282214	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.243	152	131533	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	90984	4.806	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	96.200%	
7) Chloroethane-d5	1.568	69	76383	4.589	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	91.800%	
11) 1,1-Dichloroethene-d2	2.105	63	119177	3.454	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	69.000%	
20) 2-Butanone-d5	3.902	46	173793	54.839	ug/L	-0.02
Spiked Amount	50.000	Range 40 - 130	Recovery	=	109.680%	
24) Chloroform-d	4.342	84	165152	4.249	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	85.000%	
26) 1,2-Dichloroethane-d4	5.031	65	75672	4.327	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	86.600%	
32) Benzene-d6	5.047	84	352119	4.180	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	83.600%	
36) 1,2-Dichloropropane-d6	6.066	67	102529	4.359	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	87.200%	
41) Toluene-d8	7.310	98	305931	4.035	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	80.600%	
43) trans-1,3-Dichloroprop...	7.622	79	30078	3.921	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	78.400%	
46) 2-Hexanone-d5	8.088	63	134936	41.206	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	82.420%	
56) 1,1,2,2-Tetrachloroeth...	10.210	84	71081	4.359	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	87.200%	
66) 1,2-Dichlorobenzene-d4	11.616	152	109678	4.661	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	93.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	2811	0.109	ug/L	97
3) Chloromethane	1.240	50	3746	0.174	ug/L	98
8) Chloroethane	1.317	64	2911	0.202	ug/L	90
9) Trichlorofluoromethane	1.754	101	1708	0.052	ug/L	96
12) 1,1-Dichloroethene	2.111	96	1724	0.092	ug/L #	1
17) Methyl tert-butyl Ether	2.767	73	7525	0.187	ug/L	97
18) trans-1,2-Dichloroethene	2.761	96	10167	0.466	ug/L	91
19) 1,1-Dichloroethane	3.188	63	3275	0.092	ug/L	87
22) cis-1,2-Dichloroethene	3.908	96	27572	1.244	ug/L	93
25) Chloroform	4.365	83	2716	0.073	ug/L	94
34) Trichloroethene	5.908	95	208038	9.423	ug/L	98
35) Methylcyclohexane	6.063	83	25704	0.662	ug/L #	21
37) 1,2-Dichloropropane	6.066	63	11192	0.563	ug/L #	85
47) Tetrachloroethene	7.969	164	30433	1.721	ug/L	96
49) Dibromochloromethane	7.969	129	26815	1.704	ug/L #	10
68) 1,2-Dibromo-3-chloropr...	12.239	75	1081	0.611	ug/L #	2

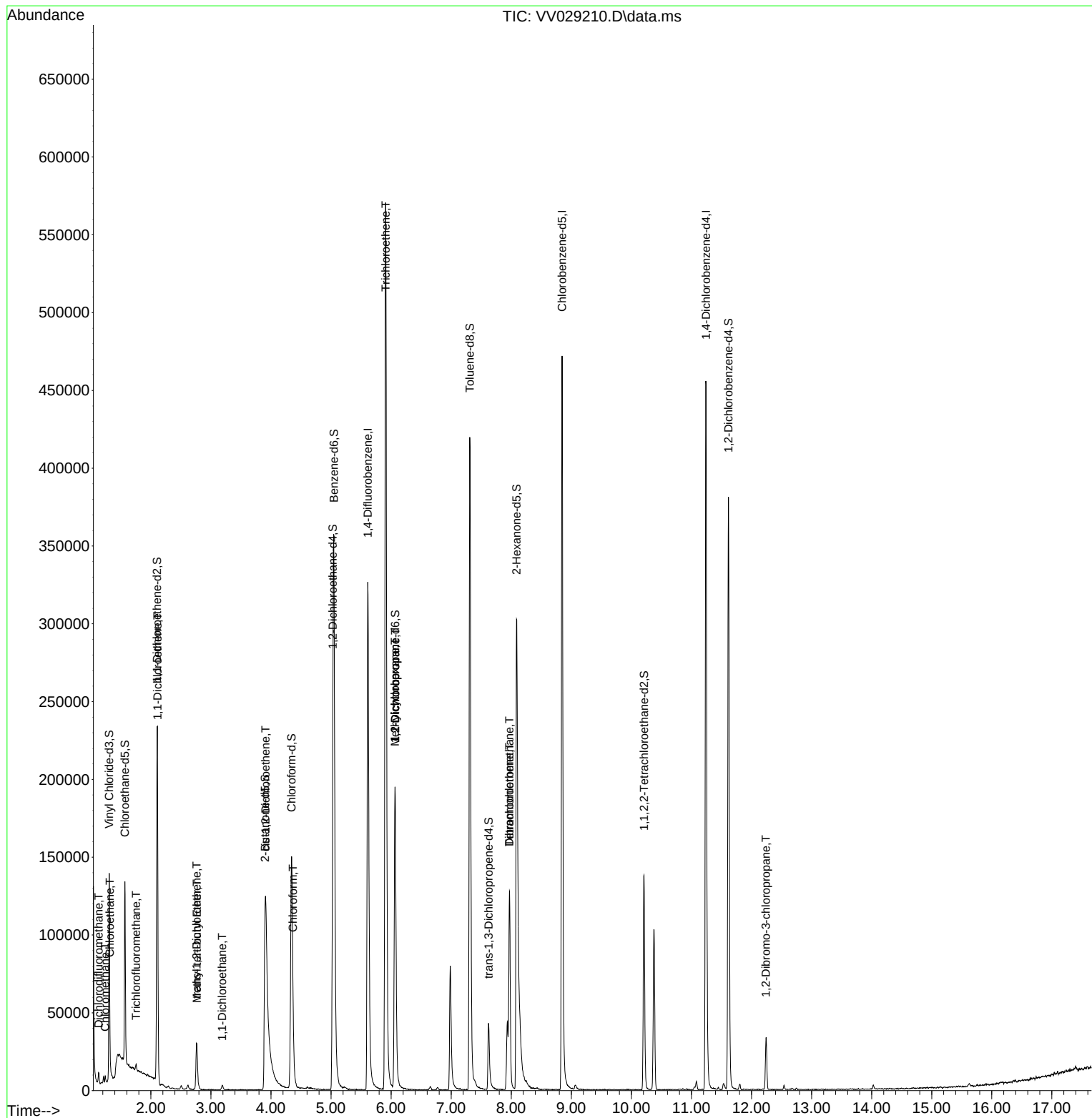
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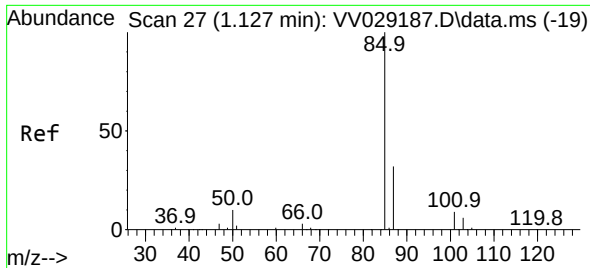
Instrument :
MSVOA_V
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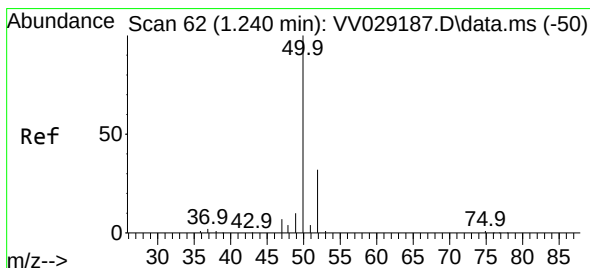
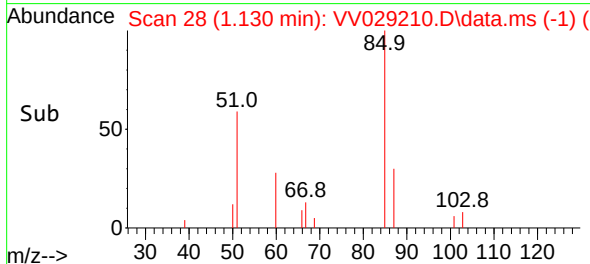
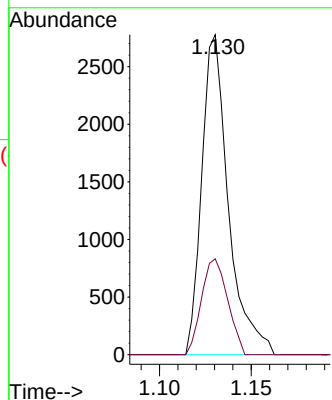
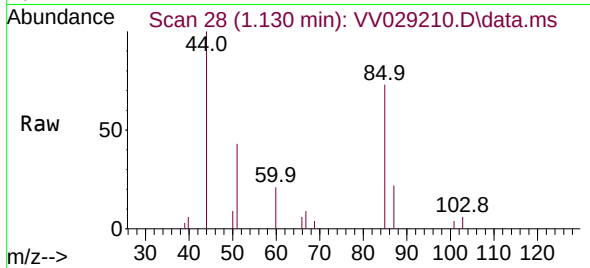




#2
 Dichlorodifluoromethane
 Concen: 0.109 ug/L
 RT: 1.130 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV029210.D
 Acq: 20 Nov 2022 07:26

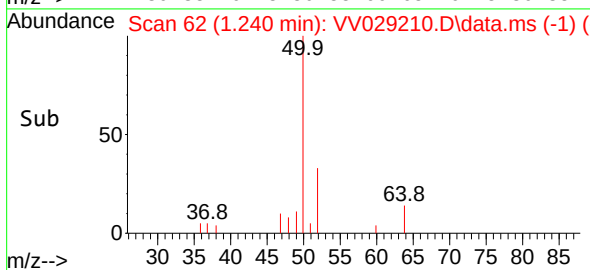
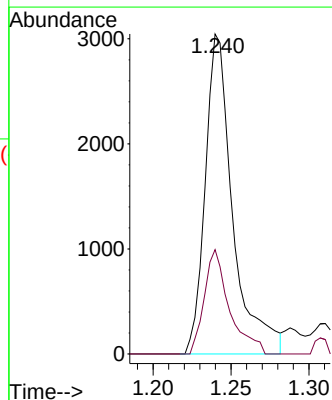
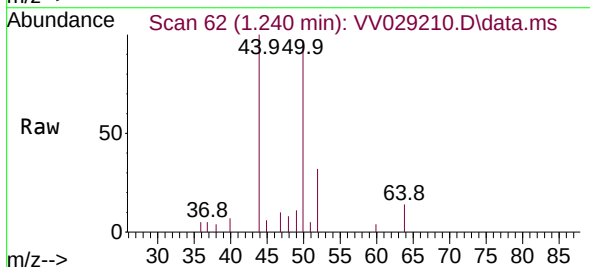
Instrument :
 MSVOA_V
 ClientSampleId :
 BH1K3

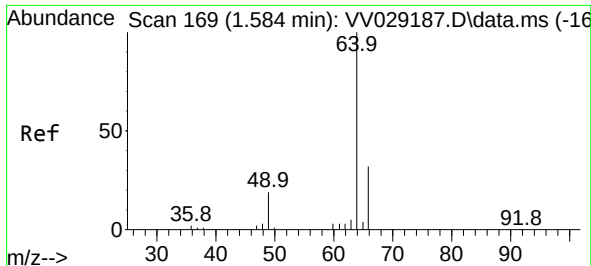
Tgt Ion: 85 Resp: 2811
 Ion Ratio Lower Upper
 85 100
 87 29.3 25.0 37.4



#3
 Chloromethane
 Concen: 0.174 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV029210.D
 Acq: 20 Nov 2022 07:26

Tgt Ion: 50 Resp: 3746
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.7 43.9

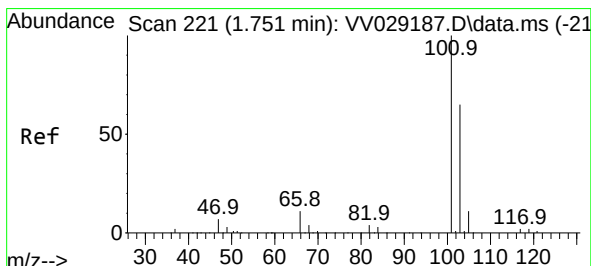
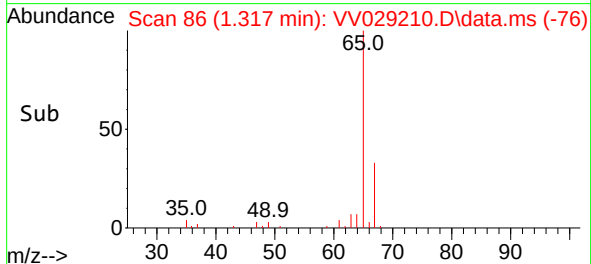
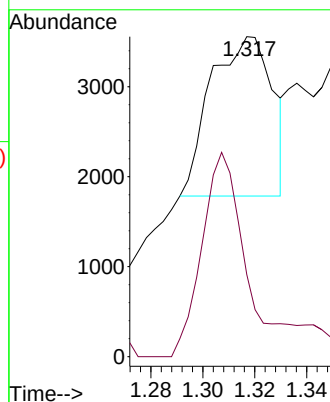
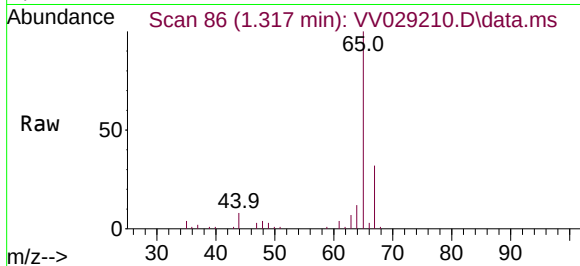




#8
Chloroethane
Concen: 0.202 ug/L
RT: 1.317 min Scan# 80
Delta R.T. -0.267 min
Lab File: VV029210.D
Acq: 20 Nov 2022 07:26

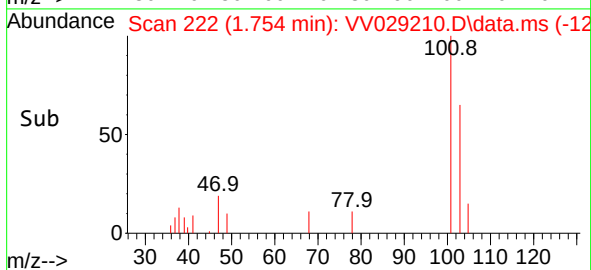
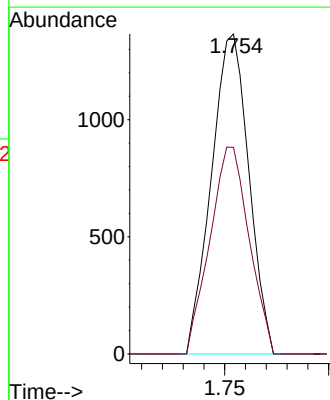
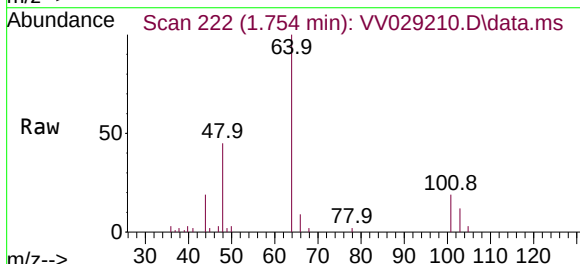
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MSVOA_V
ClientSampleId :
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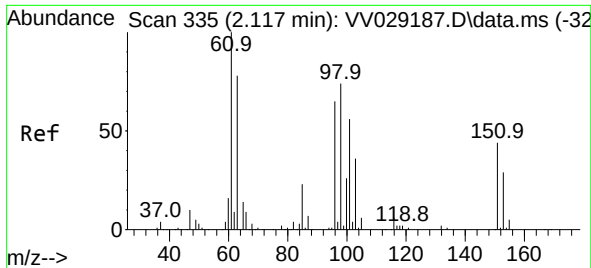
Tgt Ion: 64 Resp: 2911
Ion Ratio Lower Upper
64 100
66 25.7 22.0 40.8



#9
Trichlorofluoromethane
Concen: 0.052 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.003 min
Lab File: VV029210.D
Acq: 20 Nov 2022 07:26

Tgt Ion: 101 Resp: 1708
Ion Ratio Lower Upper
101 100
103 67.6 51.3 76.9

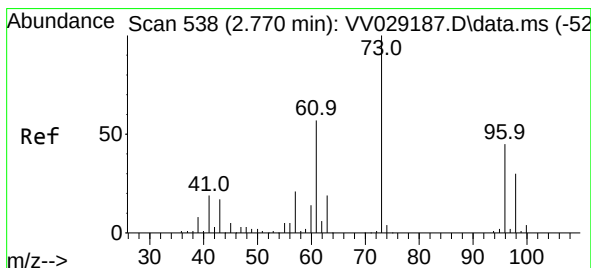
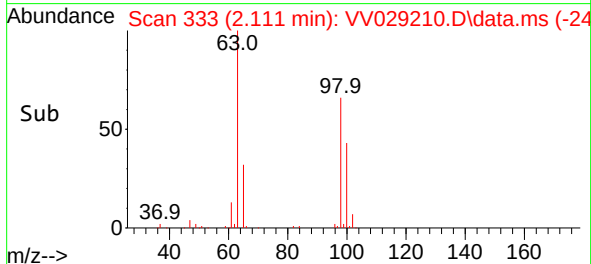
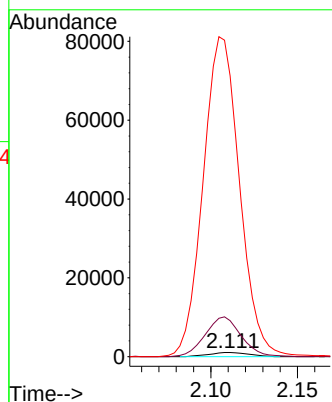
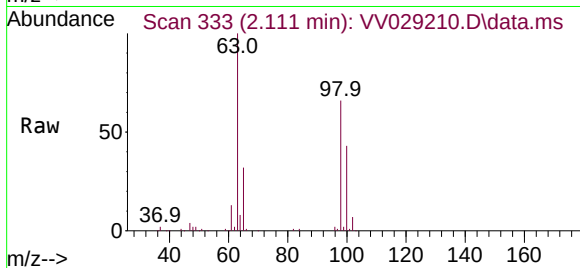




#12
 1,1-Dichloroethene
 Concen: 0.092 ug/L
 RT: 2.111 min Scan# 311
 Delta R.T. -0.006 min
 Lab File: VV029210.D
 Acq: 20 Nov 2022 07:26

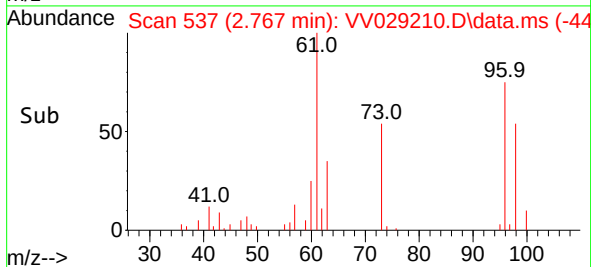
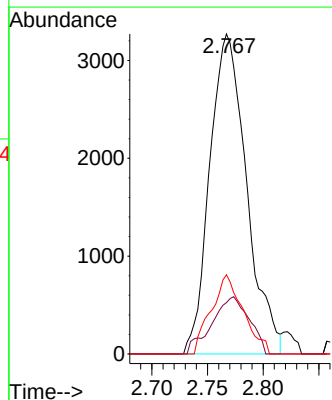
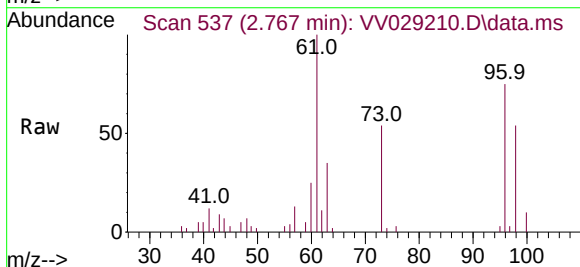
Instrument :
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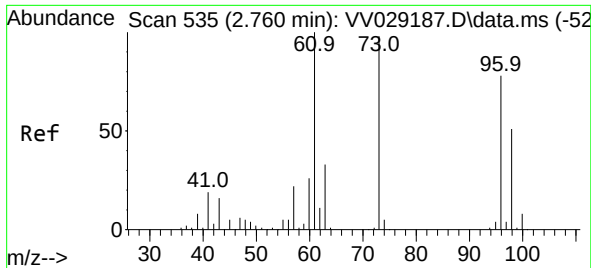
Tgt Ion: 96 Resp: 1724
 Ion Ratio Lower Upper
 96 100
 61 848.7 104.2 193.4#
 63 6609.3 75.9 140.9#



#17
 Methyl tert-butyl Ether
 Concen: 0.187 ug/L
 RT: 2.767 min Scan# 537
 Delta R.T. -0.003 min
 Lab File: VV029210.D
 Acq: 20 Nov 2022 07:26

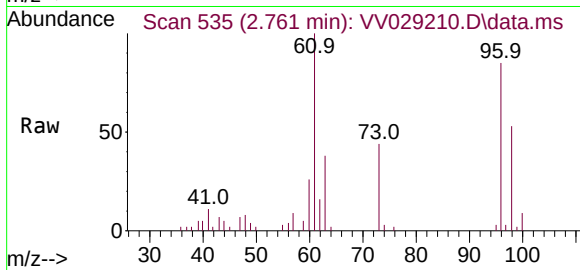
Tgt Ion: 73 Resp: 7525
 Ion Ratio Lower Upper
 73 100
 43 18.2 13.0 19.4
 57 21.6 16.6 24.8



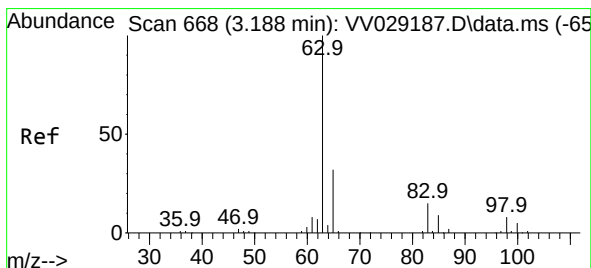
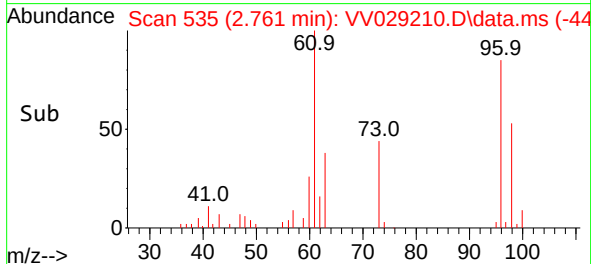
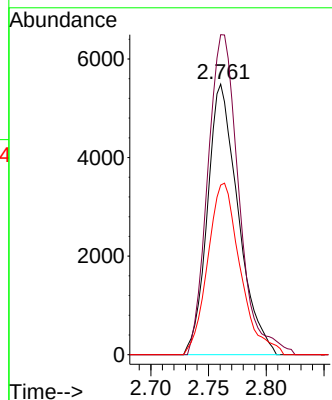


#18
 trans-1,2-Dichloroethene
 Concen: 0.466 ug/L
 RT: 2.761 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VV029210.D
 Acq: 20 Nov 2022 07:26

Instrument :
 MSVOA_V
 ClientSampleId :
 BH1K3

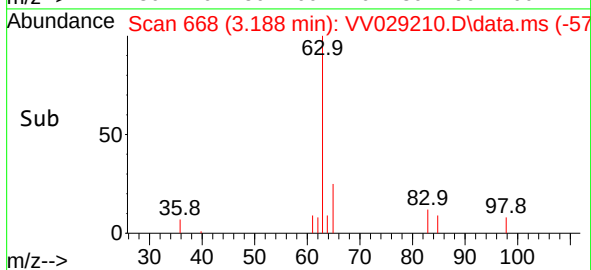
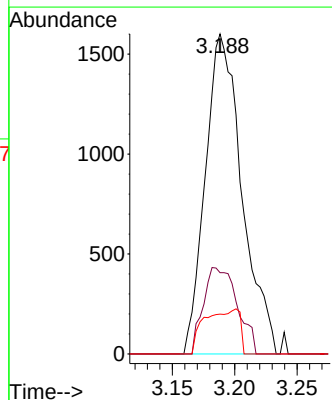
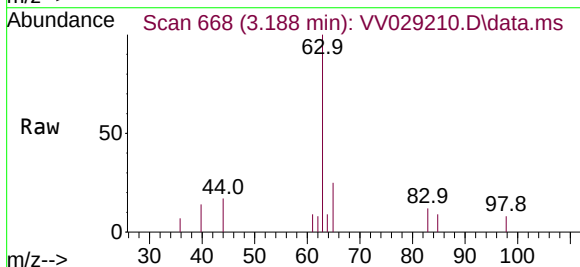


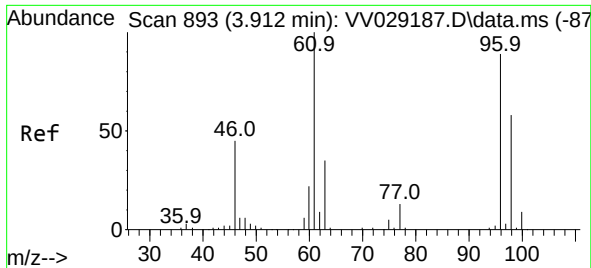
Tgt Ion:	96	Resp:	10167
Ion	Ratio	Lower	Upper
96	100		
61	118.3	91.8	170.6
98	62.7	46.4	86.2



#19
 1,1-Dichloroethane
 Concen: 0.092 ug/L
 RT: 3.188 min Scan# 668
 Delta R.T. 0.000 min
 Lab File: VV029210.D
 Acq: 20 Nov 2022 07:26

Tgt Ion:	63	Resp:	3275
Ion	Ratio	Lower	Upper
63	100		
65	23.3	23.0	42.6
83	11.4	9.4	17.6





#22

cis-1,2-Dichloroethene

Concen: 1.244 ug/L

RT: 3.908 min Scan# 89

Delta R.T. -0.003 min

Lab File: VV029210.D

Acq: 20 Nov 2022 07:26

Instrument :

MSVOA_V

ClientSampleId :

BH1K3

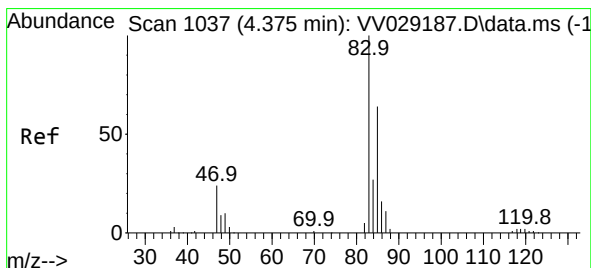
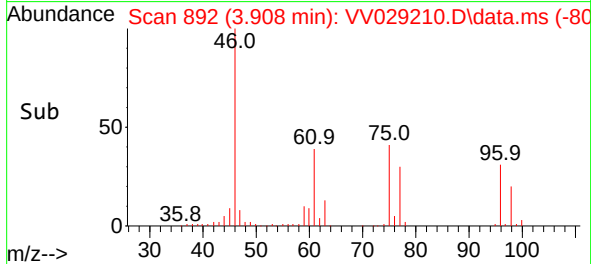
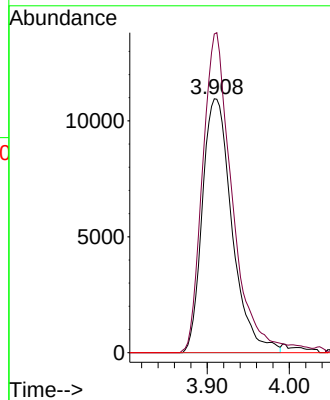
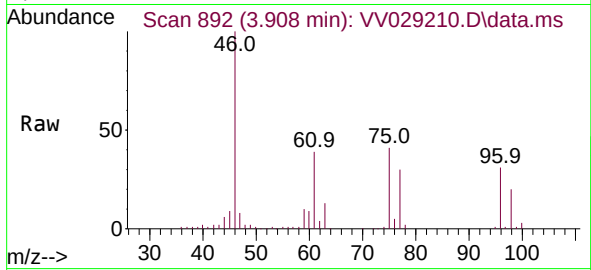
Tgt Ion: 96 Resp: 27572

Ion Ratio Lower Upper

96 100

61 125.5 82.3 152.9

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.073 ug/L

RT: 4.365 min Scan# 1034

Delta R.T. -0.010 min

Lab File: VV029210.D

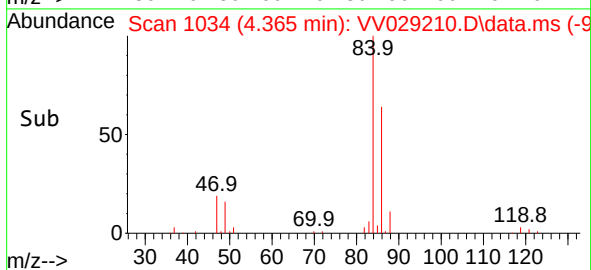
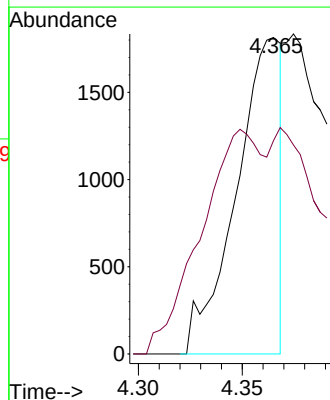
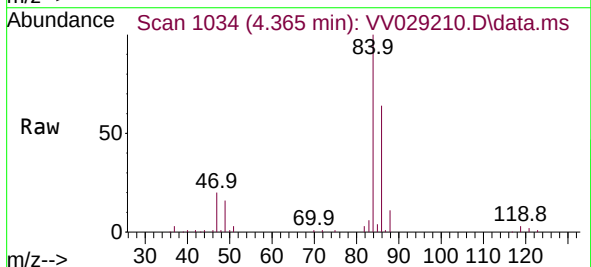
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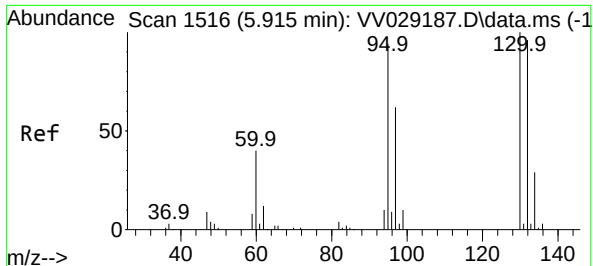
Tgt Ion: 83 Resp: 2716

Ion Ratio Lower Upper

83 100

85 67.4 43.7 81.1





#34

Trichloroethene

Concen: 9.423 ug/L

RT: 5.908 min Scan# 11

Delta R.T. -0.006 min

Lab File: VV029210.D

Acq: 20 Nov 2022 07:26

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Tgt Ion: 95 Resp: 208038

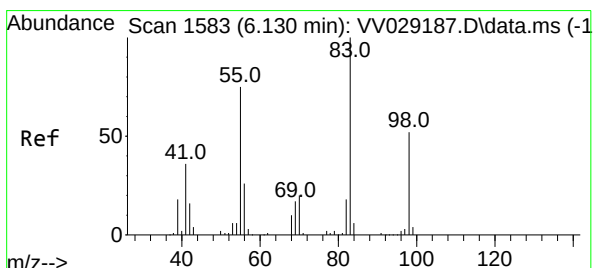
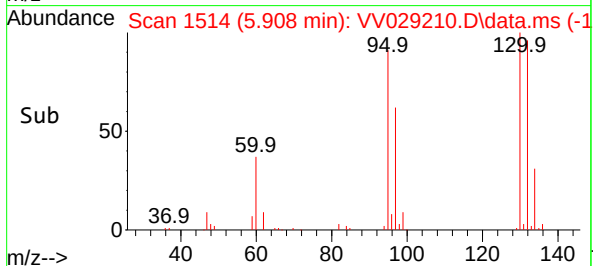
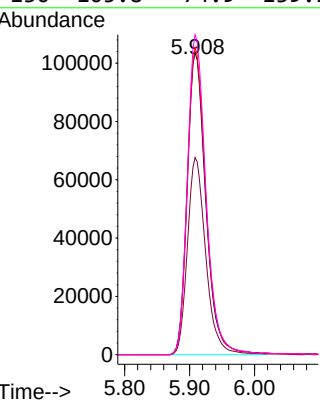
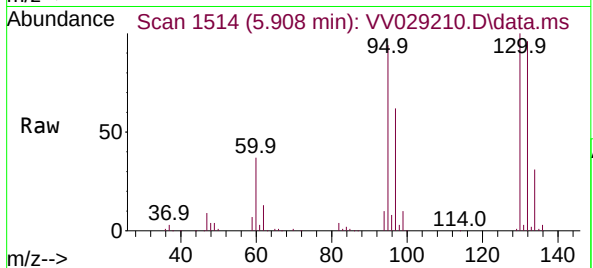
Ion Ratio Lower Upper

95 100

97 65.2 45.6 84.8

132 101.6 69.1 128.3

130 105.8 74.9 139.1



#35

Methylcyclohexane

Concen: 0.662 ug/L

RT: 6.063 min Scan# 1562

Delta R.T. -0.067 min

Lab File: VV029210.D

Acq: 20 Nov 2022 07:26

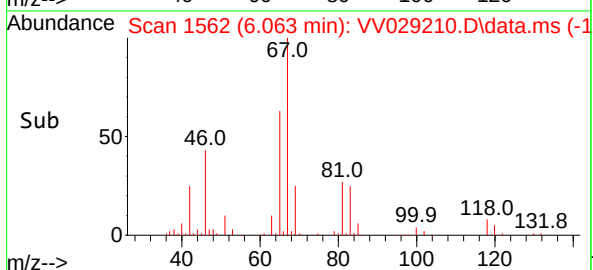
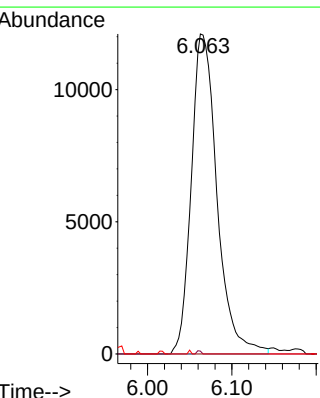
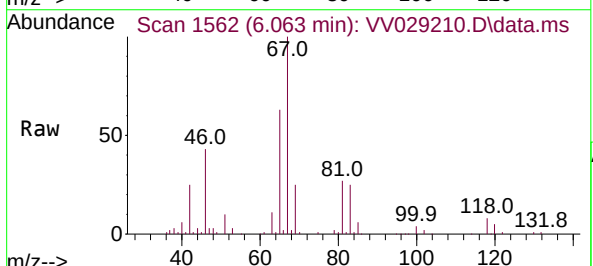
Tgt Ion: 83 Resp: 25704

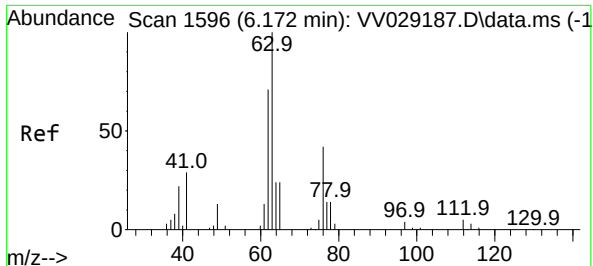
Ion Ratio Lower Upper

83 100

55 0.2 55.8 83.6#

98 0.6 38.2 57.2#





#37

1,2-Dichloropropane

Concen: 0.563 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV029210.D

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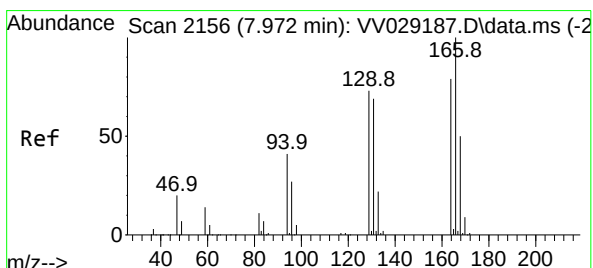
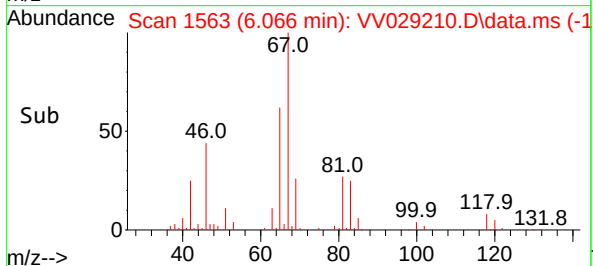
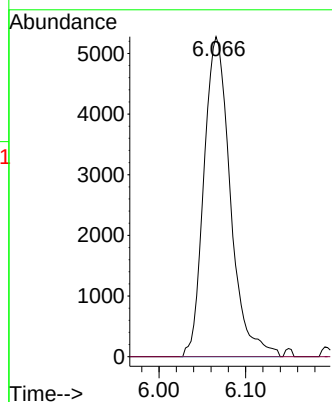
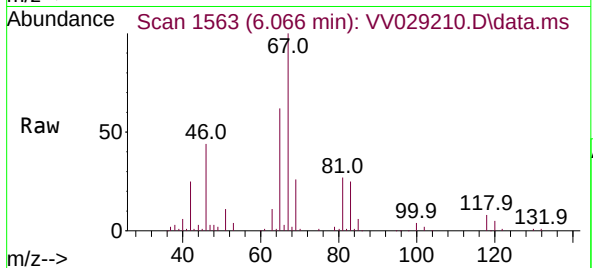
BH1K3

Tgt Ion: 63 Resp: 11192

Ion Ratio Lower Upper

63 100

112 0.0 4.0 6.0#



#47

Tetrachloroethene

Concen: 1.721 ug/L

RT: 7.969 min Scan# 2155

Delta R.T. -0.003 min

Lab File: VV029210.D

Acq: 20 Nov 2022 07:26

Tgt Ion:164 Resp: 30433

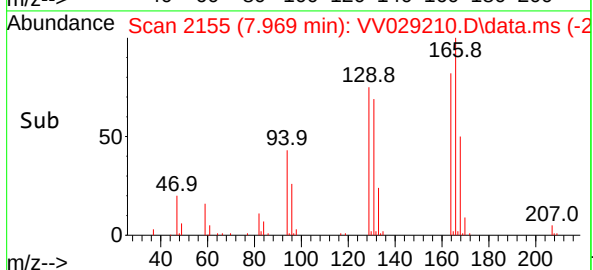
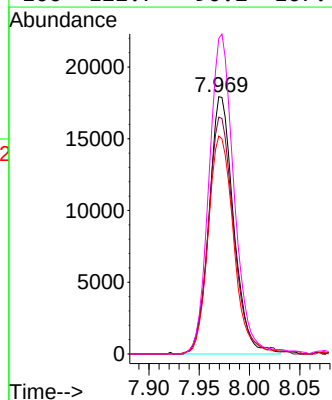
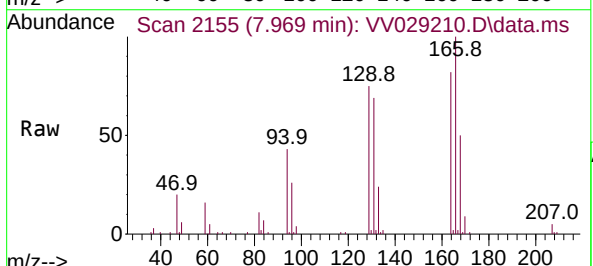
Ion Ratio Lower Upper

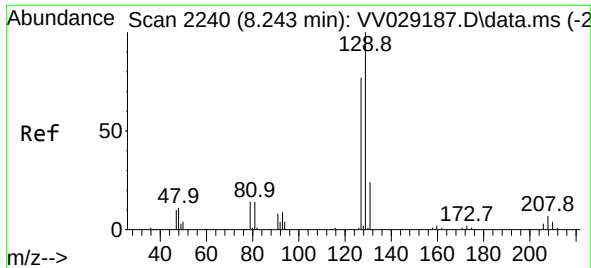
164 100

129 92.1 63.9 118.7

131 84.7 61.8 114.8

166 122.7 90.2 167.4

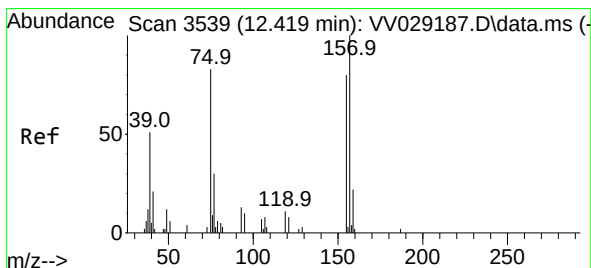
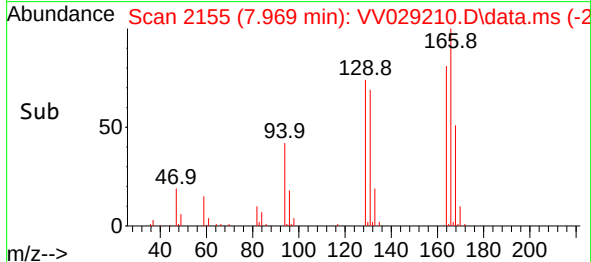
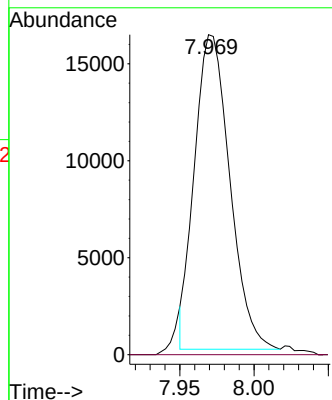
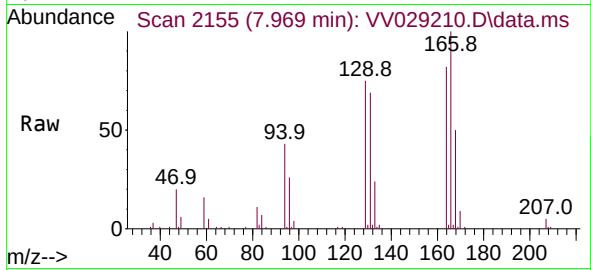




#49
Dibromochloromethane
Concen: 1.704 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.273 min
Lab File: VV029210.D
Acq: 20 Nov 2022 07:26

Instrument :
MSVOA_V
ClientSampleId :
BH1K3

Tgt Ion:129 Resp: 26815
Ion Ratio Lower Upper
129 100
127 0.0 54.5 101.1#



#68
1,2-Dibromo-3-chloropropane
Concen: 0.611 ug/L
RT: 12.239 min Scan# 3483
Delta R.T. -0.180 min
Lab File: VV029210.D
Acq: 20 Nov 2022 07:26

Tgt Ion: 75 Resp: 1081
Ion Ratio Lower Upper
75 100
155 0.0 64.8 97.2#
157 0.0 86.3 129.5#

