

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW033023\
 Data File : VW030350.D
 Acq On : 30 Mar 2023 11:33
 Operator : SY/MD
 Sample : 02099-02DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AA7DL

Quant Time: Mar 31 05:39:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 31 05:37:21 2023
 Response via : Initial Calibration

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

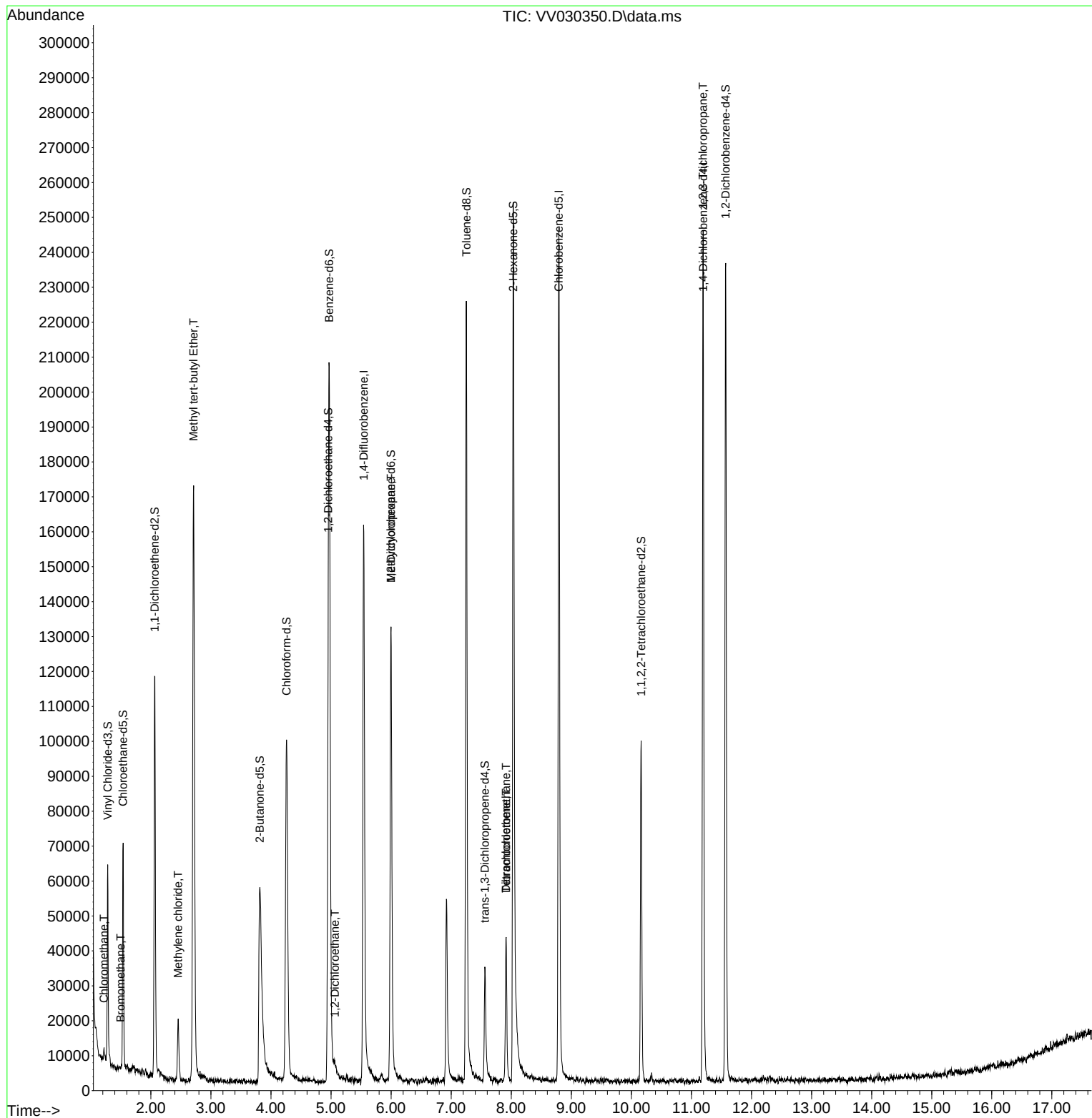
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	135420	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	133924	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	64235	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	35785	3.990	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	79.800%	
7) Chloroethane-d5	1.535	69	39748	4.567	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	91.400%	
11) 1,1-Dichloroethene-d2	2.063	63	62014	2.914	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	58.200%#	
20) 2-Butanone-d5	3.815	46	123175	53.134	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	106.260%	
24) Chloroform-d	4.259	84	103777	4.781	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.600%	
26) 1,2-Dichloroethane-d4	4.953	65	52876	5.163	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	103.200%	
32) Benzene-d6	4.969	84	181813	4.818	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	96.400%	
36) 1,2-Dichloropropane-d6	5.998	67	59325	5.021	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	100.400%	
41) Toluene-d8	7.252	98	149977	4.328	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	86.600%	
43) trans-1,3-Dichloroprop...	7.561	79	19706	4.430	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	88.600%	
46) 2-Hexanone-d5	8.034	63	89298	49.956	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	99.920%	
56) 1,1,2,2-Tetrachloroeth...	10.162	84	44598	4.789	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	95.800%	
66) 1,2-Dichlorobenzene-d4	11.570	152	60057	5.231	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	104.600%	
Target Compounds						
3) Chloromethane	1.220	50	2663	0.123	ug/L	99
6) Bromomethane	1.494	94	412	0.091	ug/L #	65
16) Methylene chloride	2.452	84	6751	0.504	ug/L	95
17) Methyl tert-butyl Ether	2.712	73	159708	6.664	ug/L	99
27) 1,2-Dichloroethane	5.063	62	1453	0.103	ug/L #	73
35) Methylcyclohexane	5.998	83	14690	0.730	ug/L #	17
47) Tetrachloroethene	7.915	164	9641	0.852	ug/L	97
49) Dibromochloromethane	7.915	129	8113	0.793	ug/L #	14
61) 1,2,3-Trichloropropane	11.191	75	7109	1.238	ug/L #	64

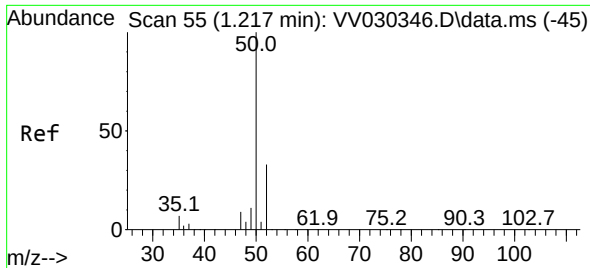
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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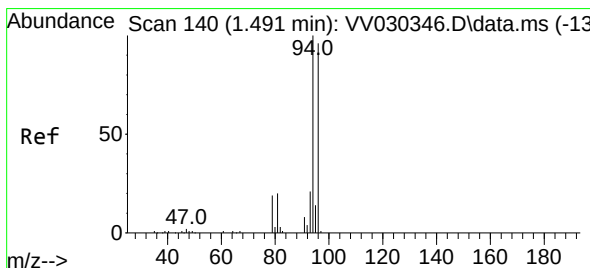
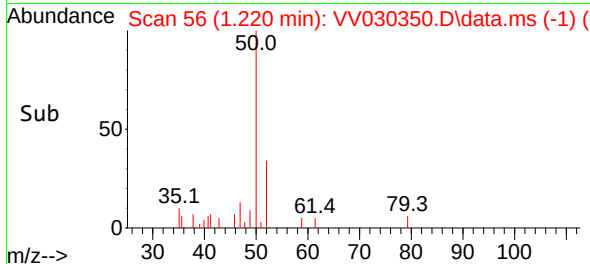
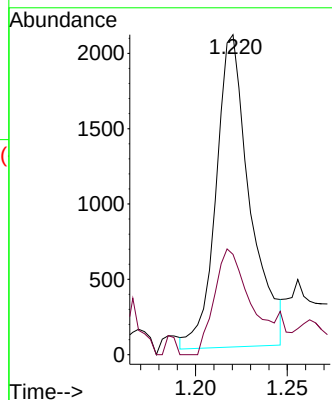
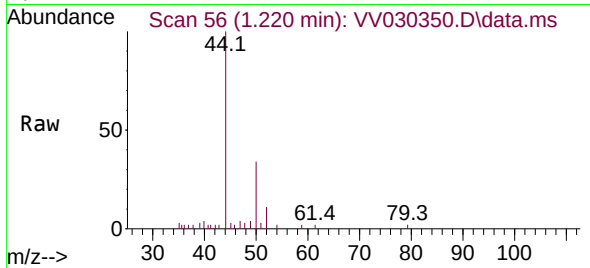




#3
Chloromethane
Concen: 0.123 ug/L
RT: 1.220 min Scan# 50
Delta R.T. 0.003 min
Lab File: VV030350.D
Acq: 30 Mar 2023 11:33

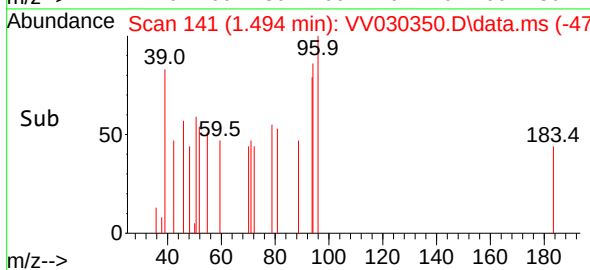
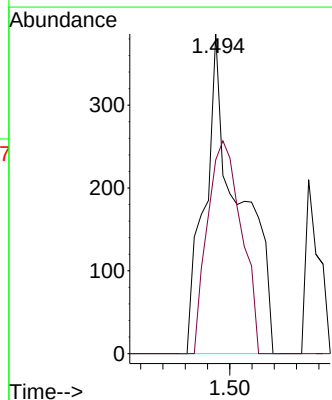
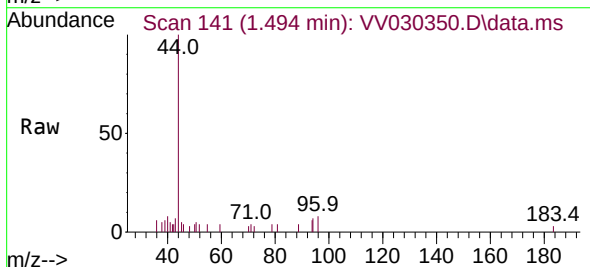
Instrument :
MSVOA_V
ClientSampleId :
H0AA7DL

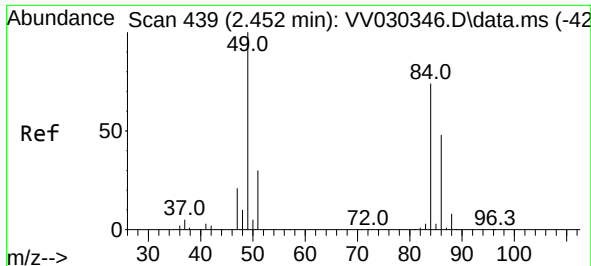
Tgt Ion: 50 Resp: 2663
Ion Ratio Lower Upper
50 100
52 31.4 22.3 41.5



#6
Bromomethane
Concen: 0.091 ug/L
RT: 1.494 min Scan# 141
Delta R.T. 0.003 min
Lab File: VV030350.D
Acq: 30 Mar 2023 11:33

Tgt Ion: 94 Resp: 412
Ion Ratio Lower Upper
94 100
96 60.6 66.1 122.7#

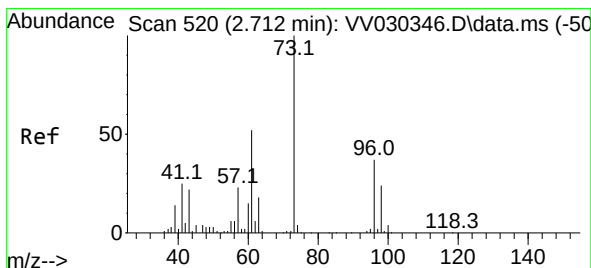
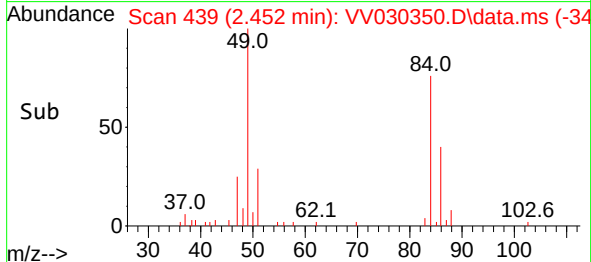
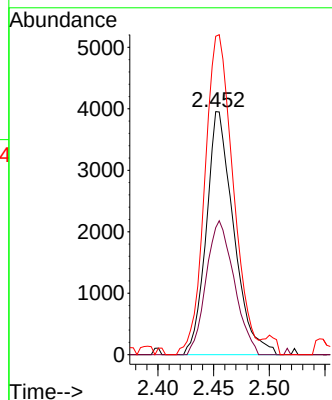
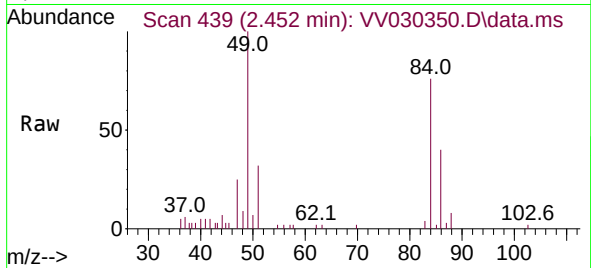




#16
Methylene chloride
Concen: 0.504 ug/L
RT: 2.452 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV030350.D
Acq: 30 Mar 2023 11:33

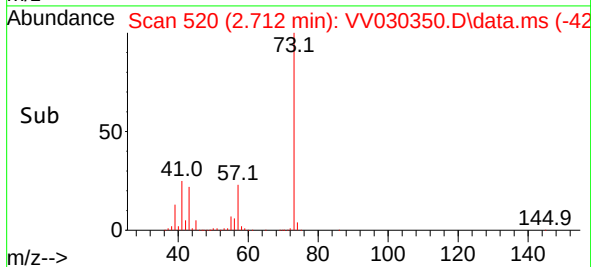
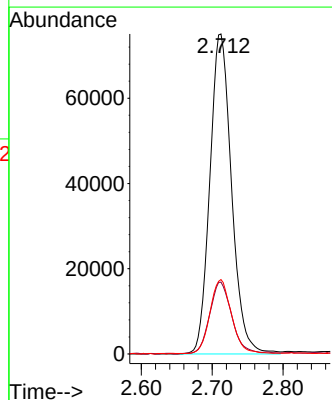
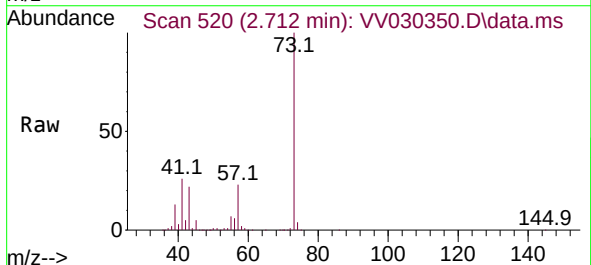
Instrument :
MSVOA_V
ClientSampleId :
H0AA7DL

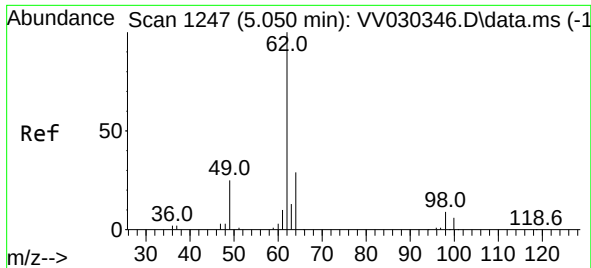
Tgt Ion: 84 Resp: 6751
Ion Ratio Lower Upper
84 100
86 52.3 44.0 81.6
49 131.0 90.6 168.3



#17
Methyl tert-butyl Ether
Concen: 6.664 ug/L
RT: 2.712 min Scan# 520
Delta R.T. -0.000 min
Lab File: VV030350.D
Acq: 30 Mar 2023 11:33

Tgt Ion: 73 Resp: 159708
Ion Ratio Lower Upper
73 100
43 23.0 17.4 26.2
57 22.8 18.3 27.5





#27

1,2-Dichloroethane

Concen: 0.103 ug/L

RT: 5.063 min Scan# 11

Delta R.T. 0.013 min

Lab File: VV030350.D

Acq: 30 Mar 2023 11:33

Instrument :

MSVOA_V

ClientSampleId :

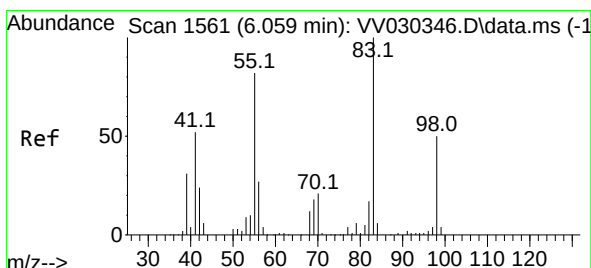
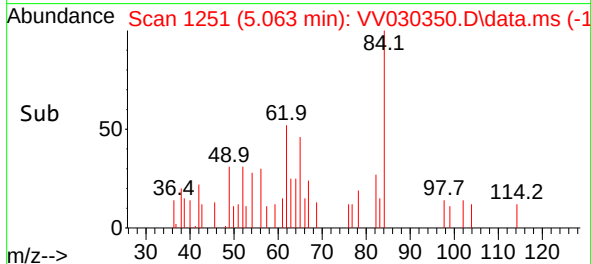
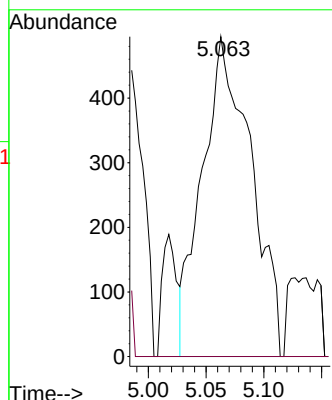
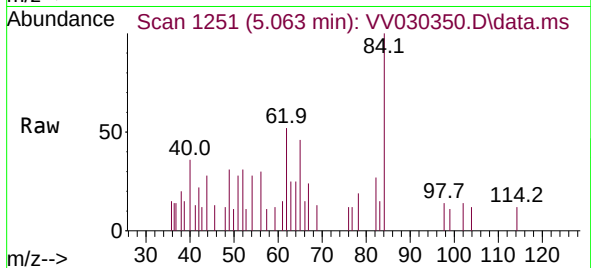
H0AA7DL

Tgt Ion: 62 Resp: 1453

Ion Ratio Lower Upper

62 100

98 0.0 7.8 11.8#



#35

Methylcyclohexane

Concen: 0.730 ug/L

RT: 5.998 min Scan# 1542

Delta R.T. -0.061 min

Lab File: VV030350.D

Acq: 30 Mar 2023 11:33

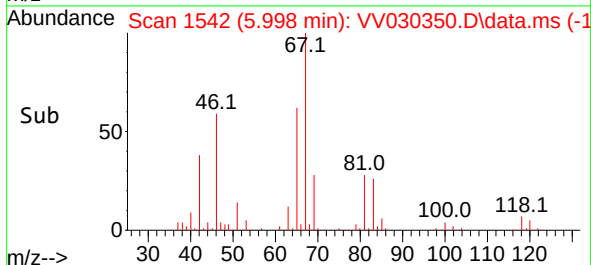
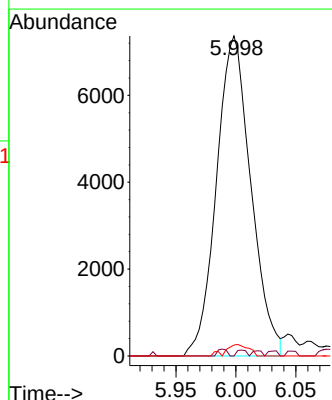
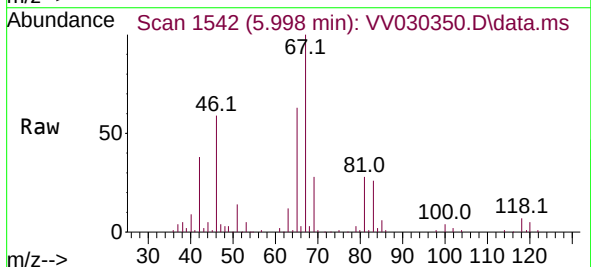
Tgt Ion: 83 Resp: 14690

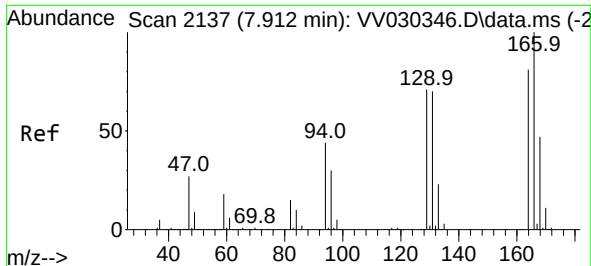
Ion Ratio Lower Upper

83 100

55 0.5 66.6 100.0#

98 2.4 38.6 58.0#





#47

Tetrachloroethene

Concen: 0.852 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.003 min

Lab File: VV030350.D

Acq: 30 Mar 2023 11:33

Instrument :

MSVOA_V

ClientSampleId :

H0AA7DL

Tgt Ion:164 Resp: 9641

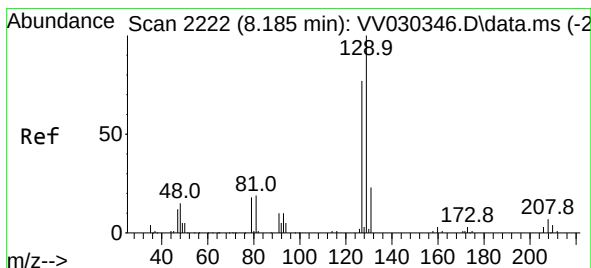
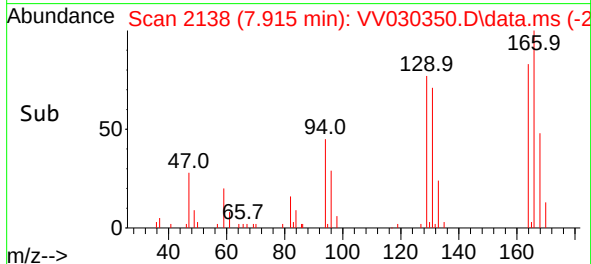
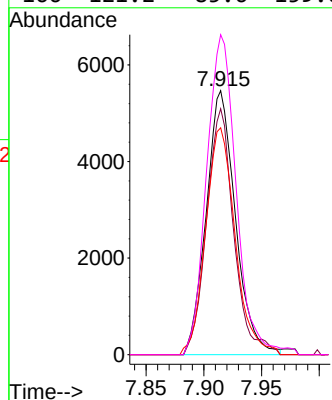
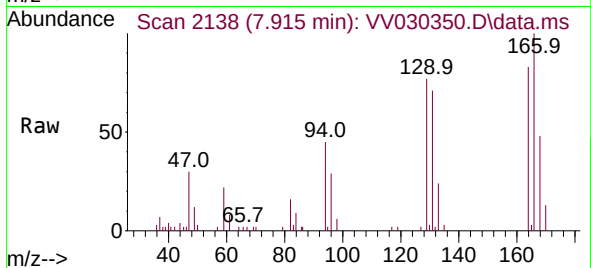
Ion Ratio Lower Upper

164 100

129 93.1 60.8 112.8

131 85.9 61.7 114.7

166 121.2 85.6 159.0



#49

Dibromochloromethane

Concen: 0.793 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.270 min

Lab File: VV030350.D

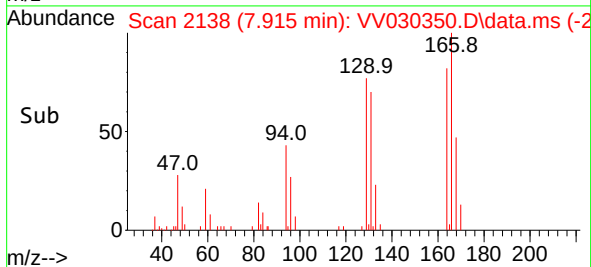
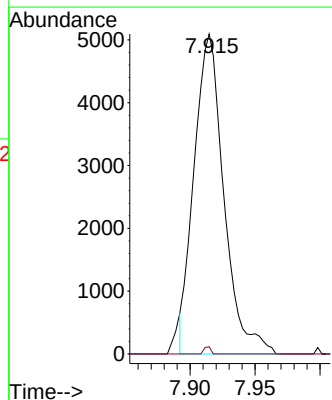
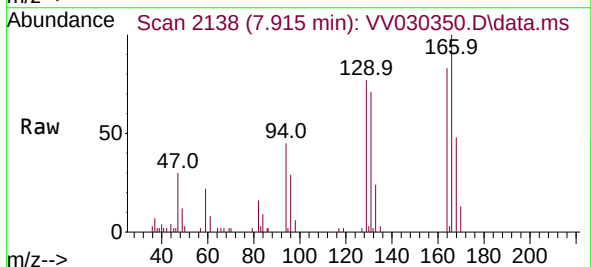
Acq: 30 Mar 2023 11:33

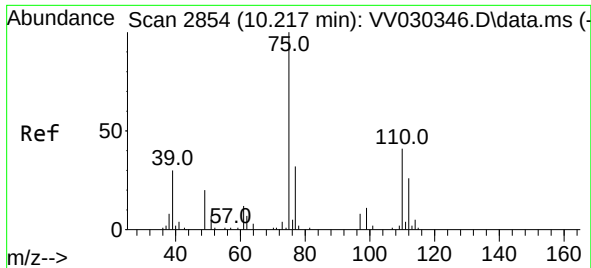
Tgt Ion:129 Resp: 8113

Ion Ratio Lower Upper

129 100

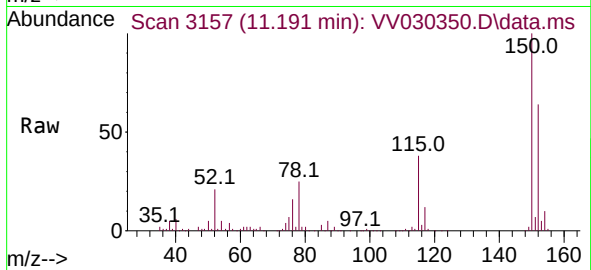
127 2.3 52.7 97.9#





#61
 1,2,3-Trichloropropane
 Concen: 1.238 ug/L
 RT: 11.191 min Scan# 31
 Delta R.T. 0.974 min
 Lab File: VV030350.D
 Acq: 30 Mar 2023 11:33

Instrument :
 MSVOA_V
 ClientSampleId :
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Tgt Ion: 75 Resp: 7109
 Ion Ratio Lower Upper
 75 100
 77 36.7 26.0 39.0
 110 3.2 31.6 47.4#

