

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW032422\
 Data File : VW025159.D
 Acq On : 24 Mar 2022 18:53
 Operator : SY/MD
 Sample : N2100-04
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AF6

Quant Time: Mar 25 03:12:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR031522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 25 02:51:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	139389	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	133061	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	58924	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	68619	6.236	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 124.800%	
7) Chloroethane-d5	1.571	69	56531	7.015	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 140.400%#	
11) 1,1-Dichloroethene-d2	2.111	63	89795	5.049	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 101.000%	
20) 2-Butanone-d5	3.899	46	101570	76.372	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 152.740%#	
24) Chloroform-d	4.352	84	120280	6.590	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 131.800%#	
26) 1,2-Dichloroethane-d4	5.034	65	50786	6.656	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 133.200%#	
32) Benzene-d6	5.050	84	253387	6.565	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 131.200%#	
36) 1,2-Dichloropropane-d6	6.069	67	74103	6.676	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 133.600%	
41) Toluene-d8	7.317	98	223175	6.344	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 126.800%	
43) trans-1,3-Dichloroprop...	7.625	79	21181	5.474	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 109.400%	
46) 2-Hexanone-d5	8.088	63	86610	65.622	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 131.240%#	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	45554	6.976	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 139.600%#	
66) 1,2-Dichlorobenzene-d4	11.622	152	72762	7.294	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 145.800%#	
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	1.758	101	1685	0.101	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.111	101	840	0.093	ug/L #	22
12) 1,1-Dichloroethene	2.114	96	940	0.106	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	76392	3.950	ug/L	99
19) 1,1-Dichloroethane	3.195	63	7830	0.431	ug/L	91
22) cis-1,2-Dichloroethene	3.921	96	572	0.053	ug/L	84
25) Chloroform	4.381	83	14390	0.760	ug/L	96
27) 1,2-Dichloroethane	5.056	62	1237	0.131	ug/L #	71
29) 1,1,1-Trichloroethane	4.619	97	1187	0.070	ug/L #	83
34) Trichloroethene	5.921	95	4478	0.389	ug/L	99
35) Methylcyclohexane	6.069	83	18291	1.003	ug/L #	21
37) 1,2-Dichloropropane	6.072	63	7264	0.730	ug/L #	86
39) cis-1,3-Dichloropropene	6.989	75	1374	0.099	ug/L	86
47) Tetrachloroethene	7.976	164	16506	2.036	ug/L	96
49) Dibromochloromethane	7.976	129	16173	2.175	ug/L #	10
61) 1,2,3-Trichloropropane	11.246	75	7272	1.467	ug/L #	66
68) 1,2-Dibromo-3-chloropr...	12.249	75	262	0.308	ug/L #	1

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QLast Update : Fri Mar 25 02:51:12 2022
Response via : Initial Calibration

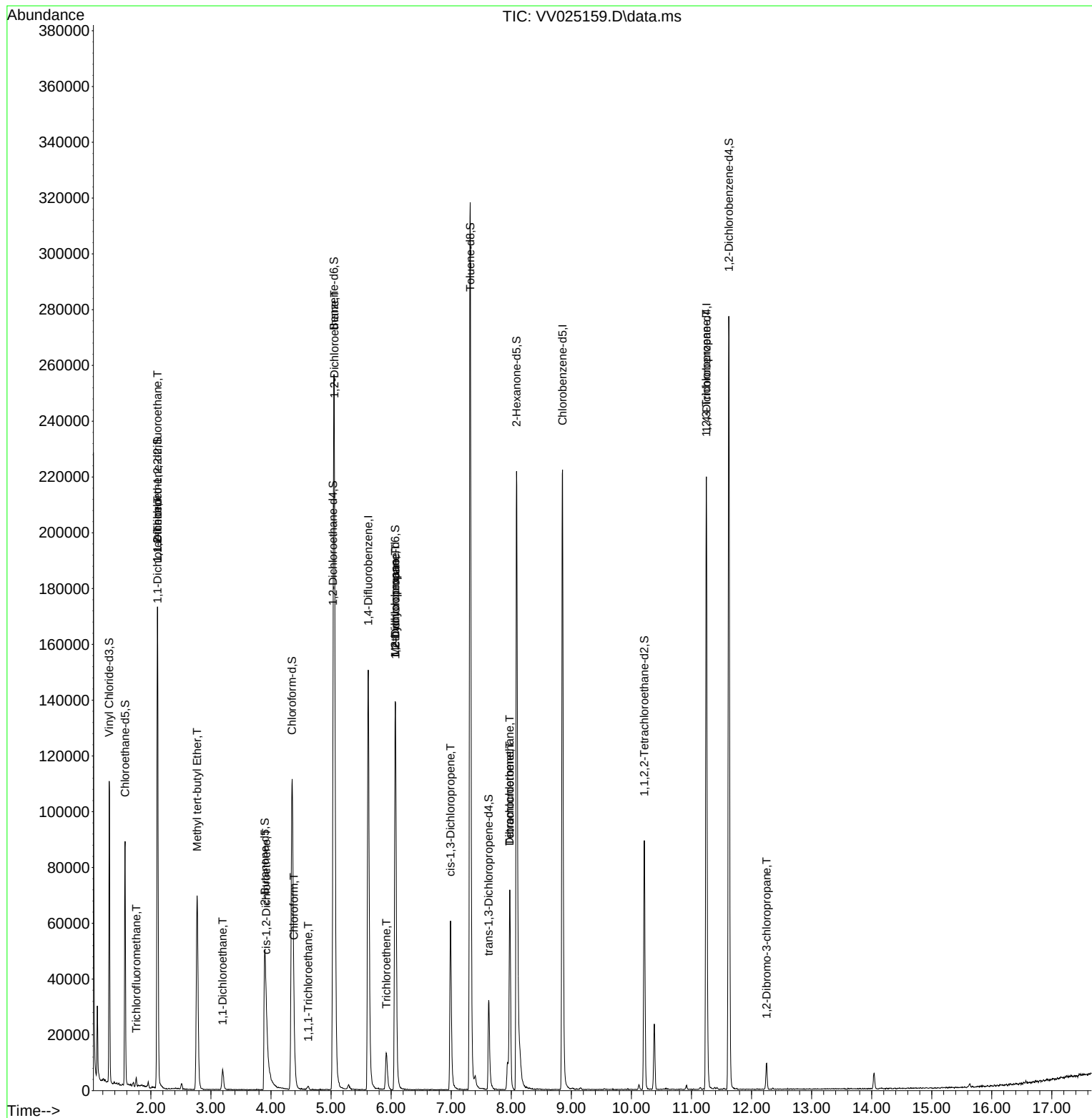
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

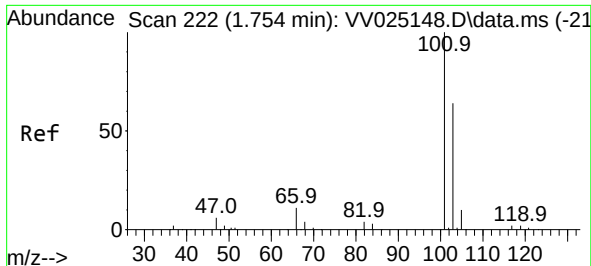
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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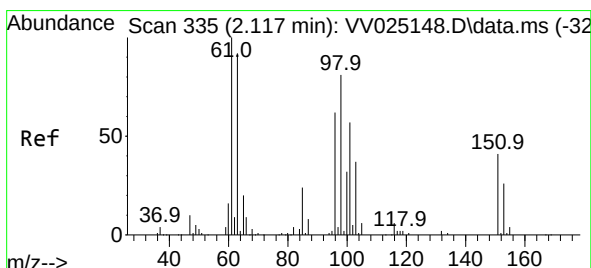
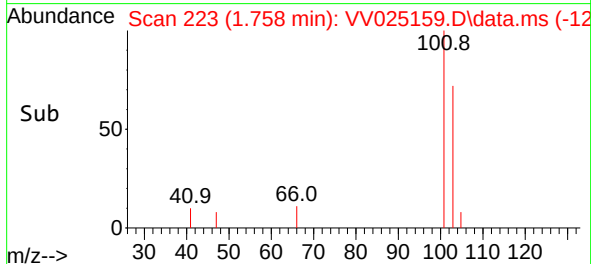
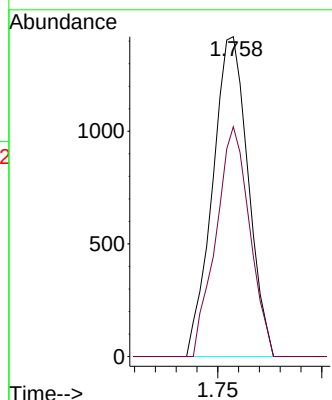
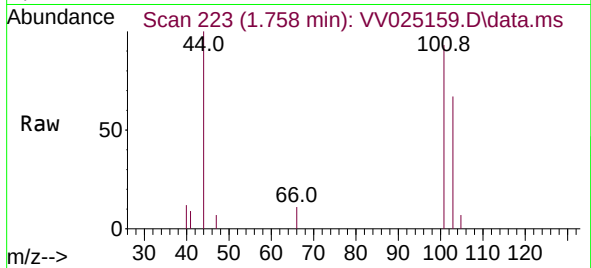




#9
Trichlorofluoromethane
Concen: 0.101 ug/L
RT: 1.758 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV025159.D
Acq: 24 Mar 2022 18:53

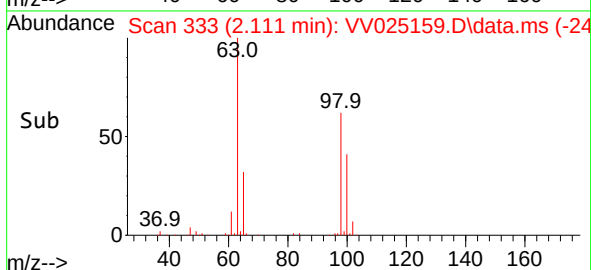
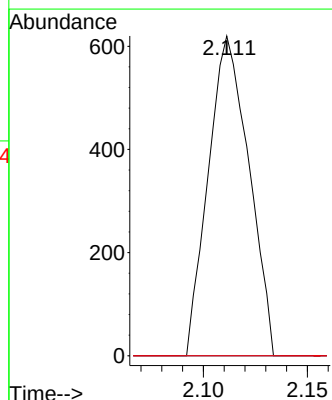
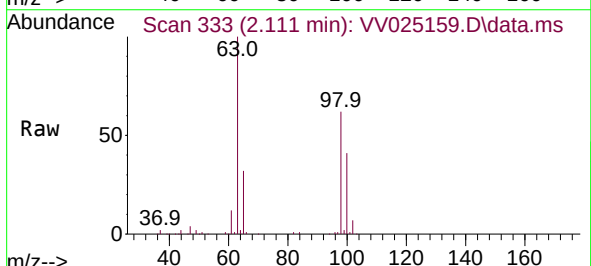
Instrument :
MSVOA_V
ClientSampleId :
C0AF6

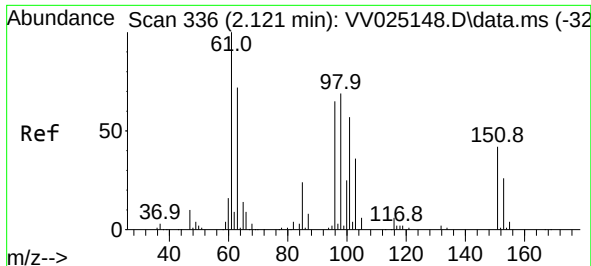
Tgt Ion:101 Resp: 1685
Ion Ratio Lower Upper
101 100
103 68.2 51.5 77.3



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.093 ug/L
RT: 2.111 min Scan# 333
Delta R.T. -0.006 min
Lab File: VV025159.D
Acq: 24 Mar 2022 18:53

Tgt Ion:101 Resp: 840
Ion Ratio Lower Upper
101 100
85 0.0 34.8 52.2#
151 0.0 55.6 83.4#

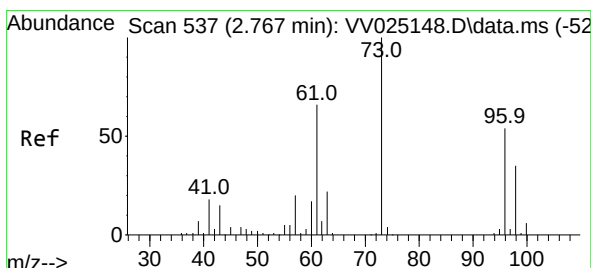
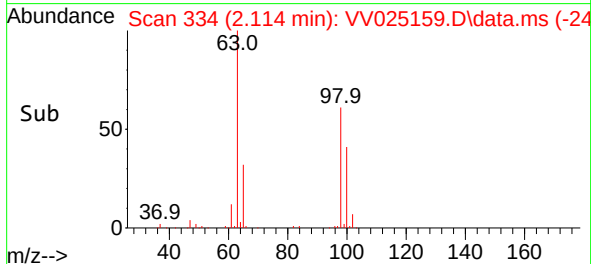
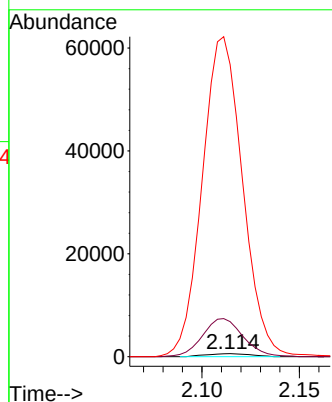
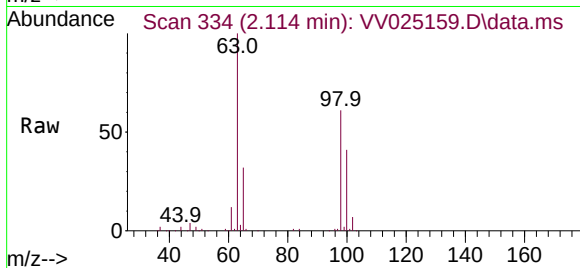




#12
1,1-Dichloroethene
Concen: 0.106 ug/L
RT: 2.114 min Scan# 311
Delta R.T. -0.006 min
Lab File: VV025159.D
Acq: 24 Mar 2022 18:53

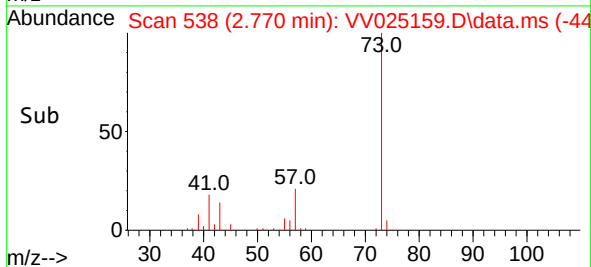
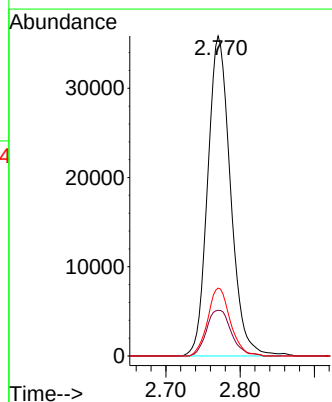
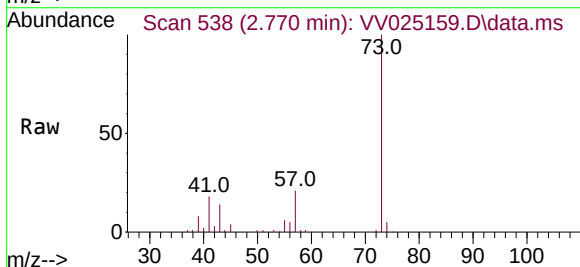
Instrument :
MSVOA_V
ClientSampleId :
C0AF6

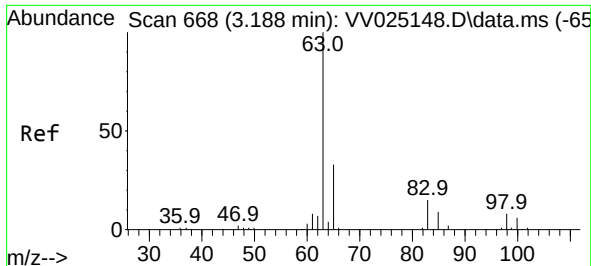
Tgt Ion: 96 Resp: 940
Ion Ratio Lower Upper
96 100
61 1155.7 113.0 209.9#
63 9642.1 82.1 152.5#



#17
Methyl tert-butyl Ether
Concen: 3.950 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV025159.D
Acq: 24 Mar 2022 18:53

Tgt Ion: 73 Resp: 76392
Ion Ratio Lower Upper
73 100
43 15.6 13.2 19.8
57 21.1 16.7 25.1





#19

1,1-Dichloroethane

Concen: 0.431 ug/L

RT: 3.195 min Scan# 6

Delta R.T. 0.007 min

Lab File: VV025159.D

Acq: 24 Mar 2022 18:53

Instrument :

MSVOA_V

ClientSampleId :

C0AF6

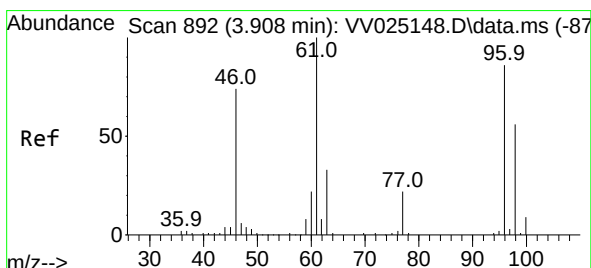
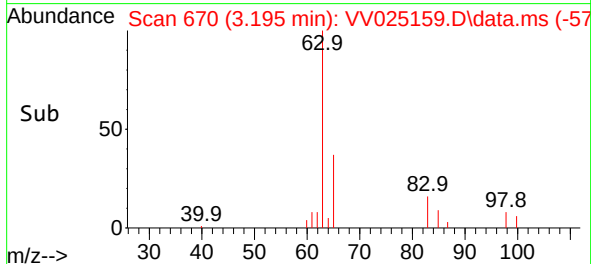
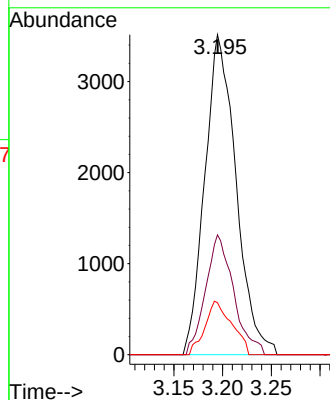
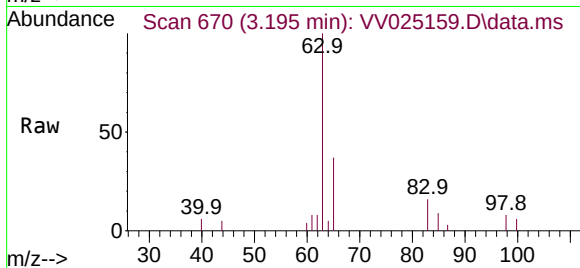
Tgt Ion: 63 Resp: 7830

Ion Ratio Lower Upper

63 100

65 37.4 22.2 41.2

83 16.3 9.4 17.4



#22

cis-1,2-Dichloroethene

Concen: 0.053 ug/L

RT: 3.921 min Scan# 896

Delta R.T. 0.013 min

Lab File: VV025159.D

Acq: 24 Mar 2022 18:53

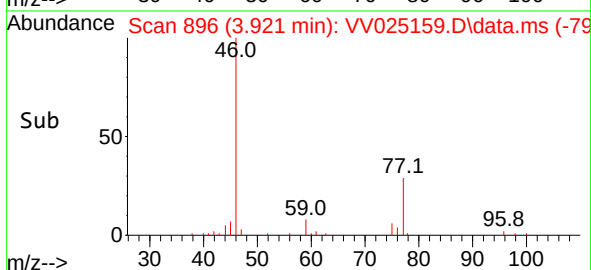
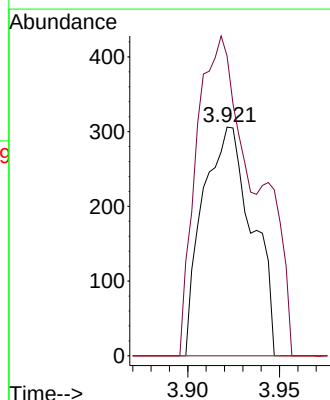
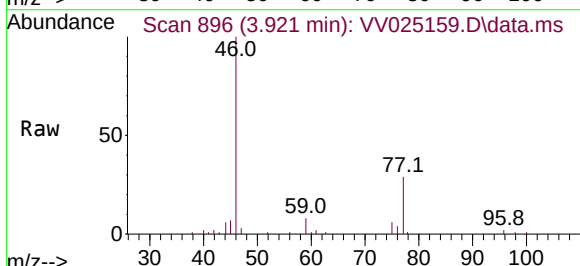
Tgt Ion: 96 Resp: 572

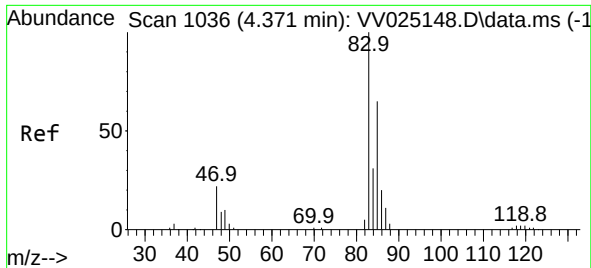
Ion Ratio Lower Upper

96 100

61 131.0 79.7 147.9

68 0.0 0.0 0.0

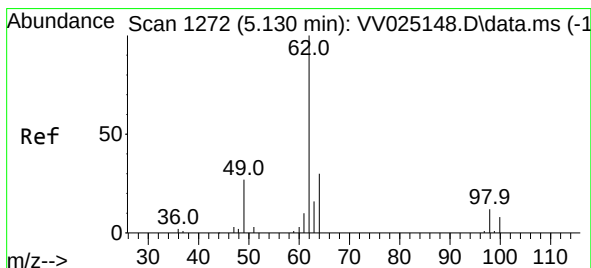
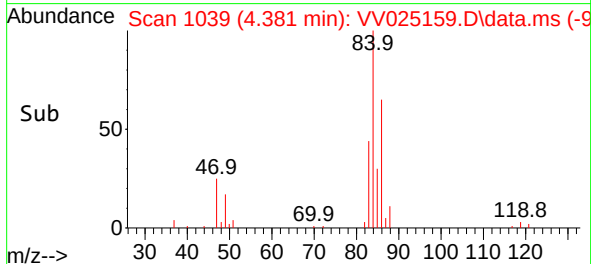
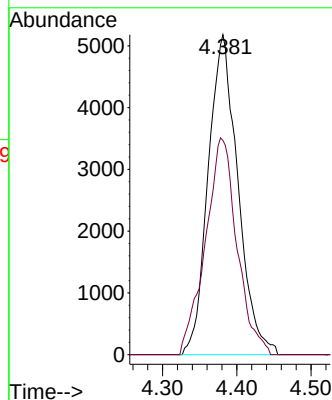
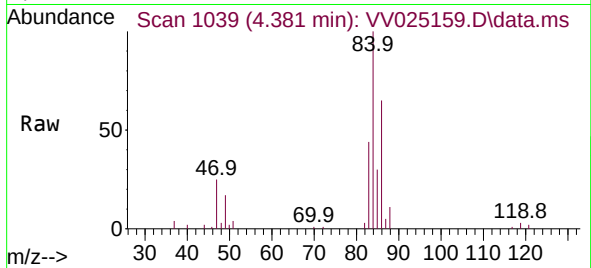




#25
Chloroform
Concen: 0.760 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.010 min
Lab File: VV025159.D
Acq: 24 Mar 2022 18:53

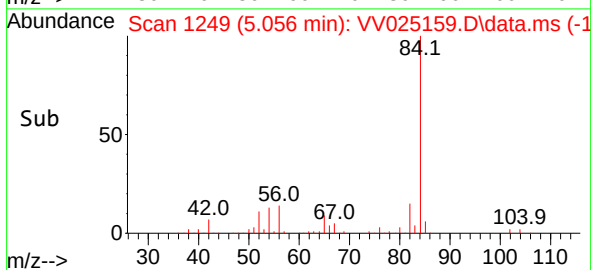
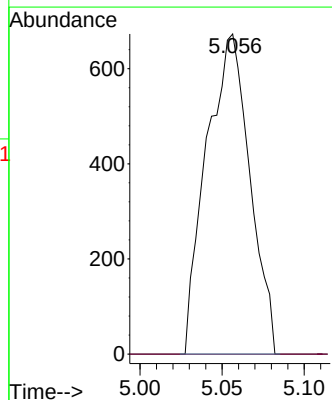
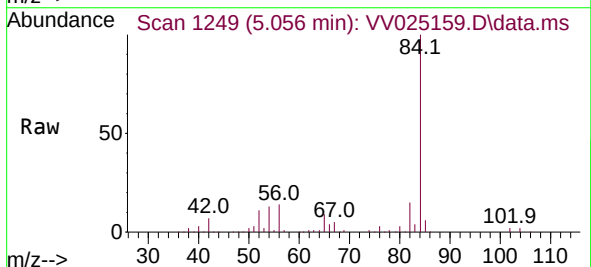
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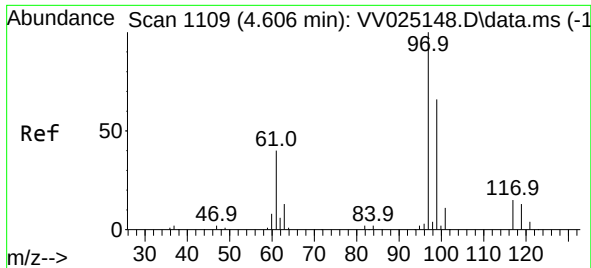
Tgt Ion: 83 Resp: 14390
Ion Ratio Lower Upper
83 100
85 66.9 44.5 82.7



#27
1,2-Dichloroethane
Concen: 0.131 ug/L
RT: 5.056 min Scan# 1249
Delta R.T. -0.074 min
Lab File: VV025159.D
Acq: 24 Mar 2022 18:53

Tgt Ion: 62 Resp: 1237
Ion Ratio Lower Upper
62 100
98 0.0 9.0 13.4#

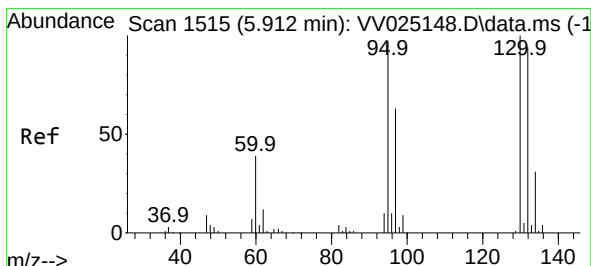
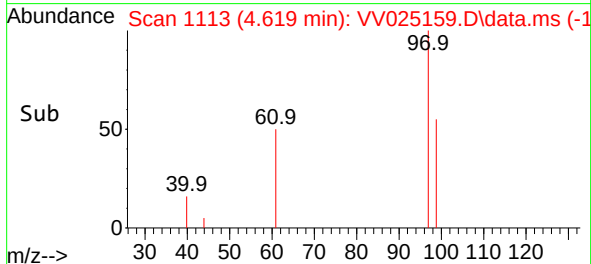
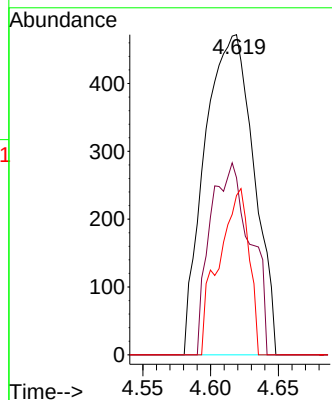
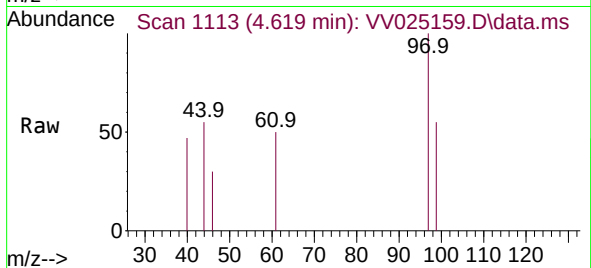




#29
1,1,1-Trichloroethane
Concen: 0.070 ug/L
RT: 4.619 min Scan# 1109
Delta R.T. 0.013 min
Lab File: VV025159.D
Acq: 24 Mar 2022 18:53

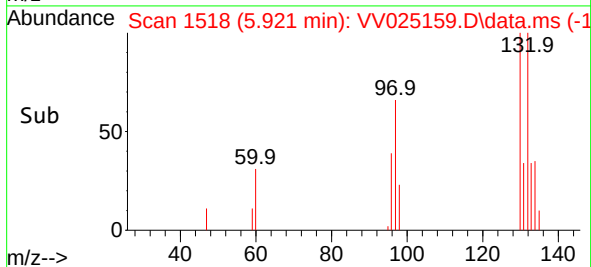
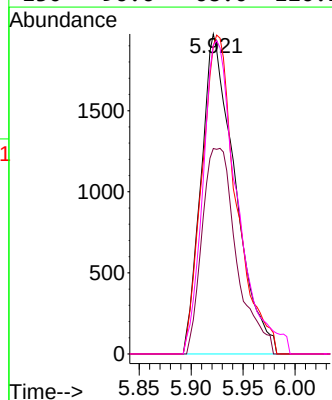
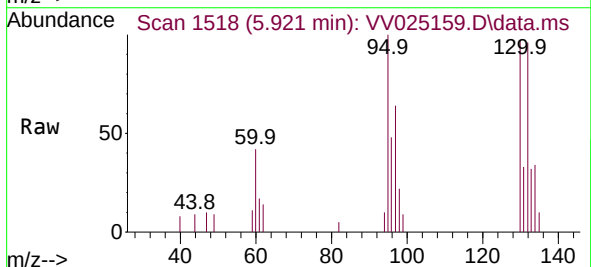
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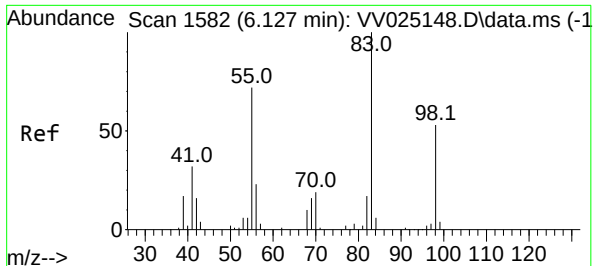
Tgt Ion: 97 Resp: 1187
Ion Ratio Lower Upper
97 100
99 49.0 50.7 76.1#
61 31.9 32.4 48.6#



#34
Trichloroethene
Concen: 0.389 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.010 min
Lab File: VV025159.D
Acq: 24 Mar 2022 18:53

Tgt Ion: 95 Resp: 4478
Ion Ratio Lower Upper
95 100
97 64.2 44.5 82.7
132 96.3 66.5 123.5
130 96.6 68.0 126.2





#35

Methylcyclohexane

Concen: 1.003 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.058 min

Lab File: VV025159.D

Acq: 24 Mar 2022 18:53

Instrument :

MSVOA_V

ClientSampleId :

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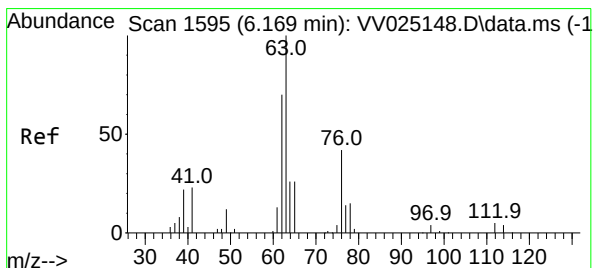
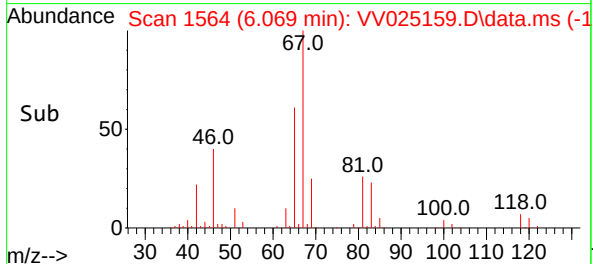
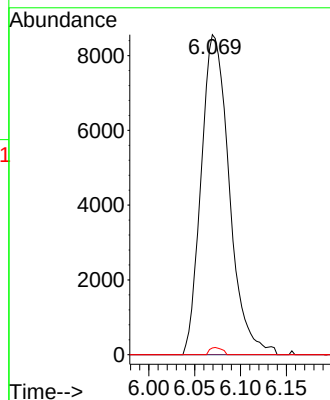
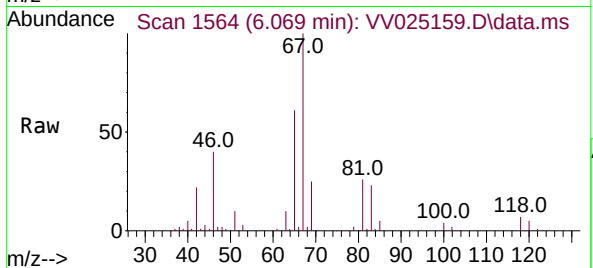
Tgt Ion: 83 Resp: 18291

Ion Ratio Lower Upper

83 100

55 0.0 55.4 83.0#

98 1.0 38.4 57.6#



#37

1,2-Dichloropropane

Concen: 0.730 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.096 min

Lab File: VV025159.D

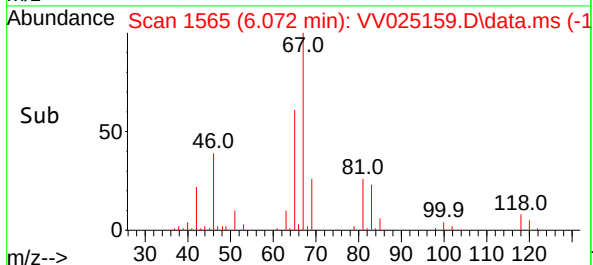
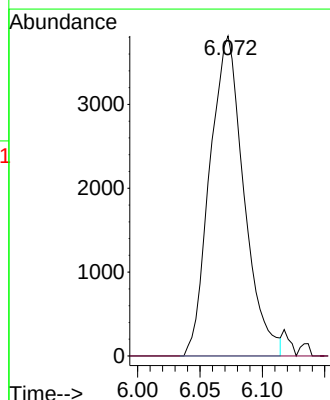
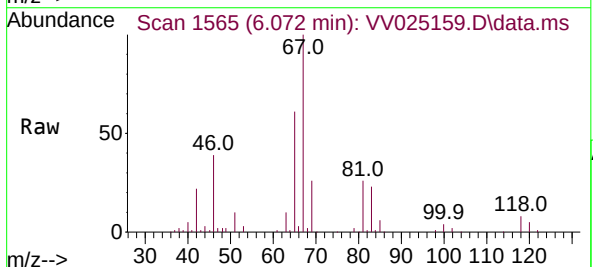
Acq: 24 Mar 2022 18:53

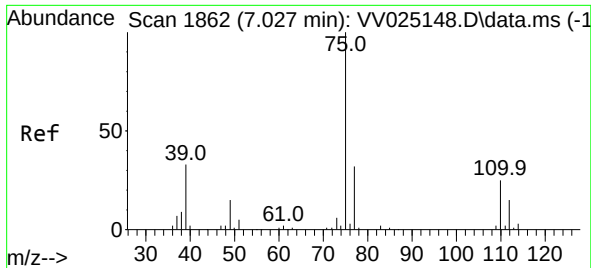
Tgt Ion: 63 Resp: 7264

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 0.099 ug/L

RT: 6.989 min Scan# 11

Delta R.T. -0.038 min

Lab File: VV025159.D

Acq: 24 Mar 2022 18:53

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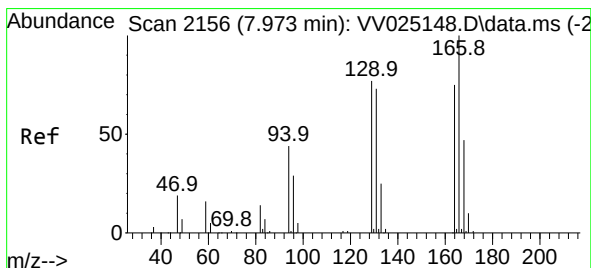
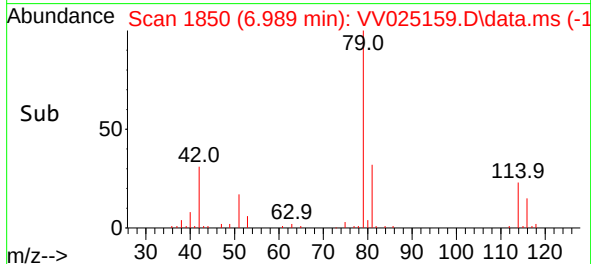
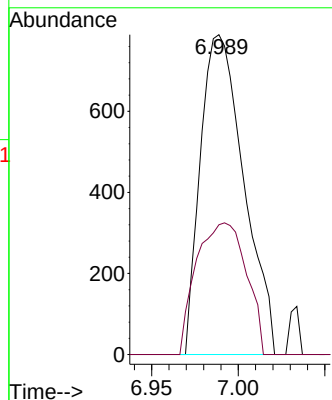
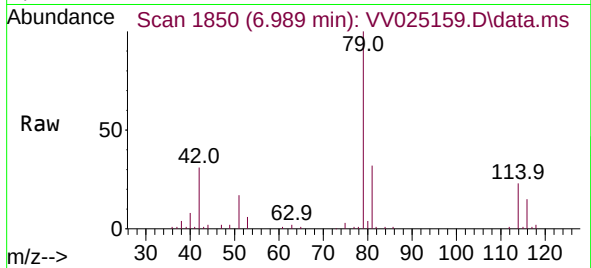
C0AF6

Tgt Ion: 75 Resp: 1374

Ion Ratio Lower Upper

75 100

77 40.6 23.0 42.8



#47

Tetrachloroethene

Concen: 2.036 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025159.D

Acq: 24 Mar 2022 18:53

Tgt Ion:164 Resp: 16506

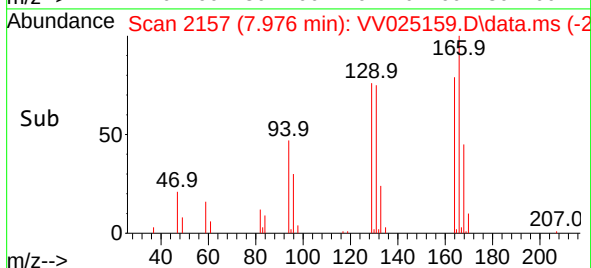
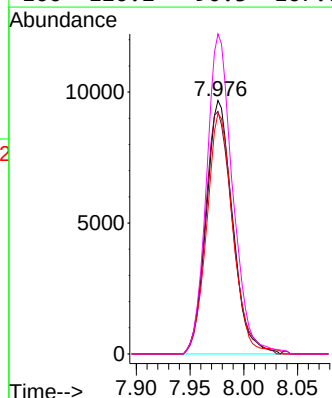
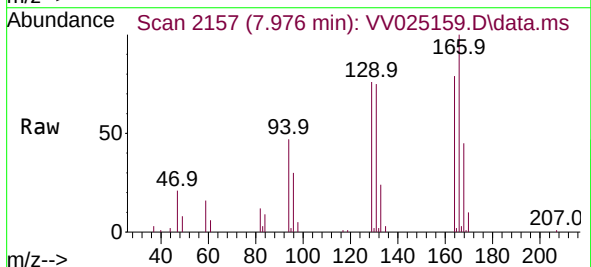
Ion Ratio Lower Upper

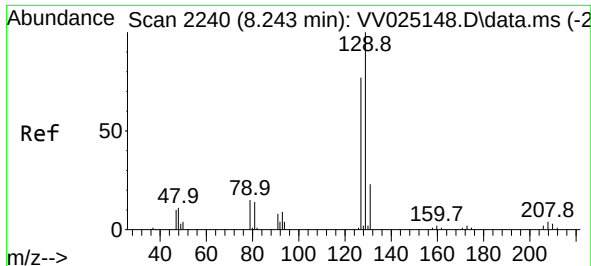
164 100

129 95.7 70.3 130.7

131 94.9 69.4 129.0

166 126.2 90.3 167.7





#49

Dibromochloromethane

Concen: 2.175 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV025159.D

Acq: 24 Mar 2022 18:53

Instrument :

MSVOA_V

ClientSampleId :

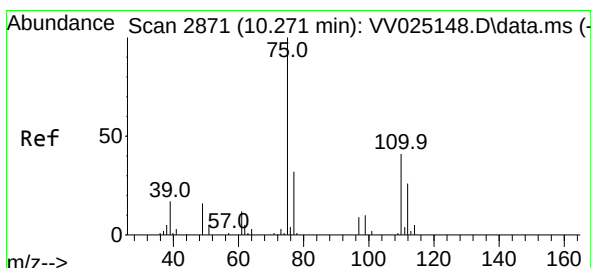
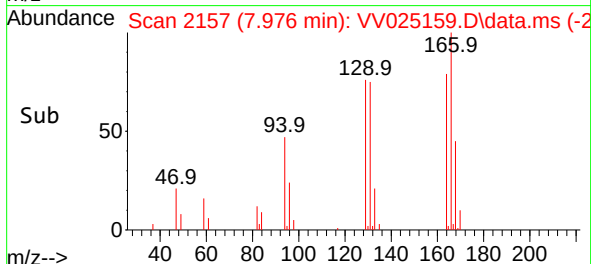
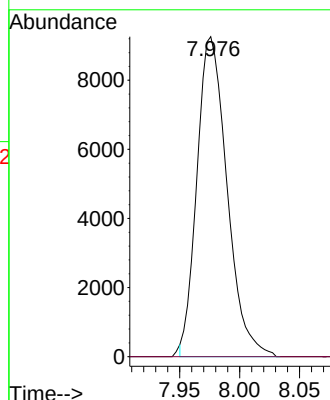
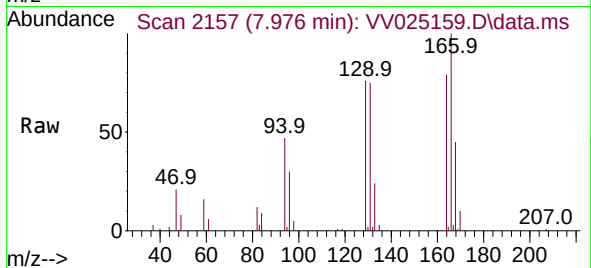
C0AF6

Tgt Ion:129 Resp: 16173

Ion Ratio Lower Upper

129 100

127 0.0 54.9 102.1#



#61

1,2,3-Trichloropropane

Concen: 1.467 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV025159.D

Acq: 24 Mar 2022 18:53

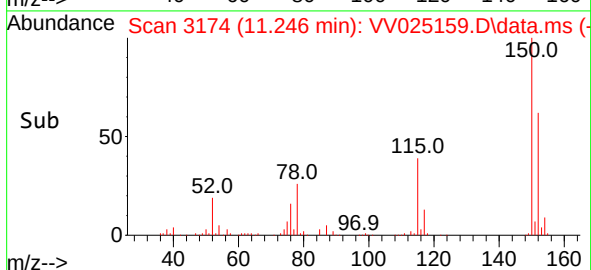
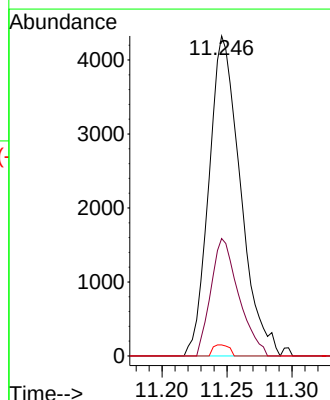
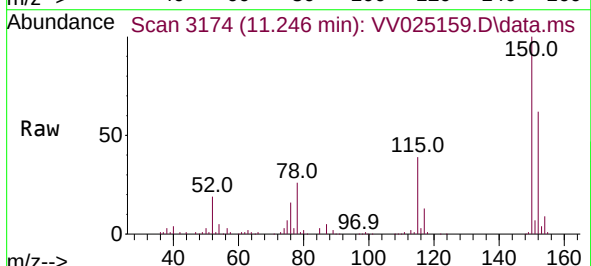
Tgt Ion: 75 Resp: 7272

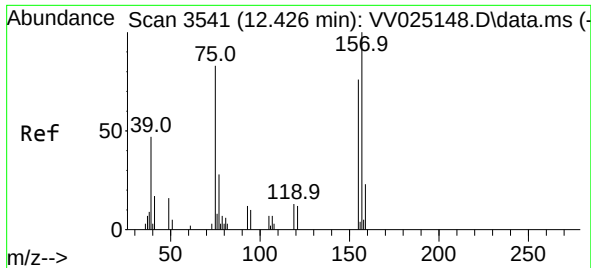
Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

110 1.8 31.2 46.8#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.308 ug/L
 RT: 12.249 min Scan# 34
 Delta R.T. -0.177 min
 Lab File: VV025159.D
 Acq: 24 Mar 2022 18:53

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AF6

Tgt Ion: 75 Resp: 262
 Ion Ratio Lower Upper
 75 100
 155 0.0 65.9 98.9#
 157 0.0 89.7 134.5#

