

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061022\
 Data File : VW026096.D
 Acq On : 10 Jun 2022 16:30
 Operator : SY/MD
 Sample : N3247-04DL 5X
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 11 01:26:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 11 01:25:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	172086	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	168591	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	70389	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.317	65	100990	9.997	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 200.000%#		
7) Chloroethane-d5	1.577	69	107448	10.174	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 203.400%#		
11) 1,1-Dichloroethene-d2	2.118	63	164792	7.062	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 141.200%#		
20) 2-Butanone-d5	3.909	46	128740	86.167	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 172.340%#		
24) Chloroform-d	4.359	84	200282	9.355	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 187.000%#		
26) 1,2-Dichloroethane-d4	5.040	65	88006	10.078	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 201.600%#		
32) Benzene-d6	5.056	84	410633	10.080	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 201.600%#		
36) 1,2-Dichloropropane-d6	6.072	67	126985	10.075	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 201.600%#		
41) Toluene-d8	7.317	98	334928	9.303	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 186.000%#		
43) trans-1,3-Dichloroprop...	7.625	79	31155	8.396	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 168.000%#		
46) 2-Hexanone-d5	8.092	63	140017	85.746	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 171.500%#		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	71196	8.378	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 167.600%#		
66) 1,2-Dichlorobenzene-d4	11.622	152	104027	9.660	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 193.200%#		
Target Compounds						
						Qvalue
5) Vinyl chloride	1.320	62	5940	0.300	ug/L #	82
6) Bromomethane	1.536	94	507	0.044	ug/L	83
8) Chloroethane	1.594	64	106092	8.710	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	1486	0.103	ug/L #	21
12) 1,1-Dichloroethene	2.114	96	1687	0.122	ug/L #	1
17) Methyl tert-butyl Ether	2.786	73	1095	0.049	ug/L #	81
18) trans-1,2-Dichloroethene	2.774	96	1901	0.146	ug/L	98
19) 1,1-Dichloroethane	3.201	63	174095	7.332	ug/L	97
22) cis-1,2-Dichloroethene	3.925	96	9564	0.743	ug/L	89
25) Chloroform	4.391	83	4864	0.200	ug/L	99
29) 1,1,1-Trichloroethane	4.616	97	72439	3.274	ug/L	99
31) Carbon tetrachloride	4.619	117	9807	0.540	ug/L	97
33) Benzene	5.060	78	3360	0.063	ug/L	100
34) Trichloroethene	5.921	95	33742	2.438	ug/L	99
35) Methylcyclohexane	6.072	83	30715	1.439	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	13518	1.053	ug/L #	86
44) trans-1,3-Dichloropropene	7.625	75	1383	0.112	ug/L	92
45) 1,1,2-Trichloroethane	7.806	97	629	0.075	ug/L #	15
47) Tetrachloroethene	7.979	164	2716	0.253	ug/L	97

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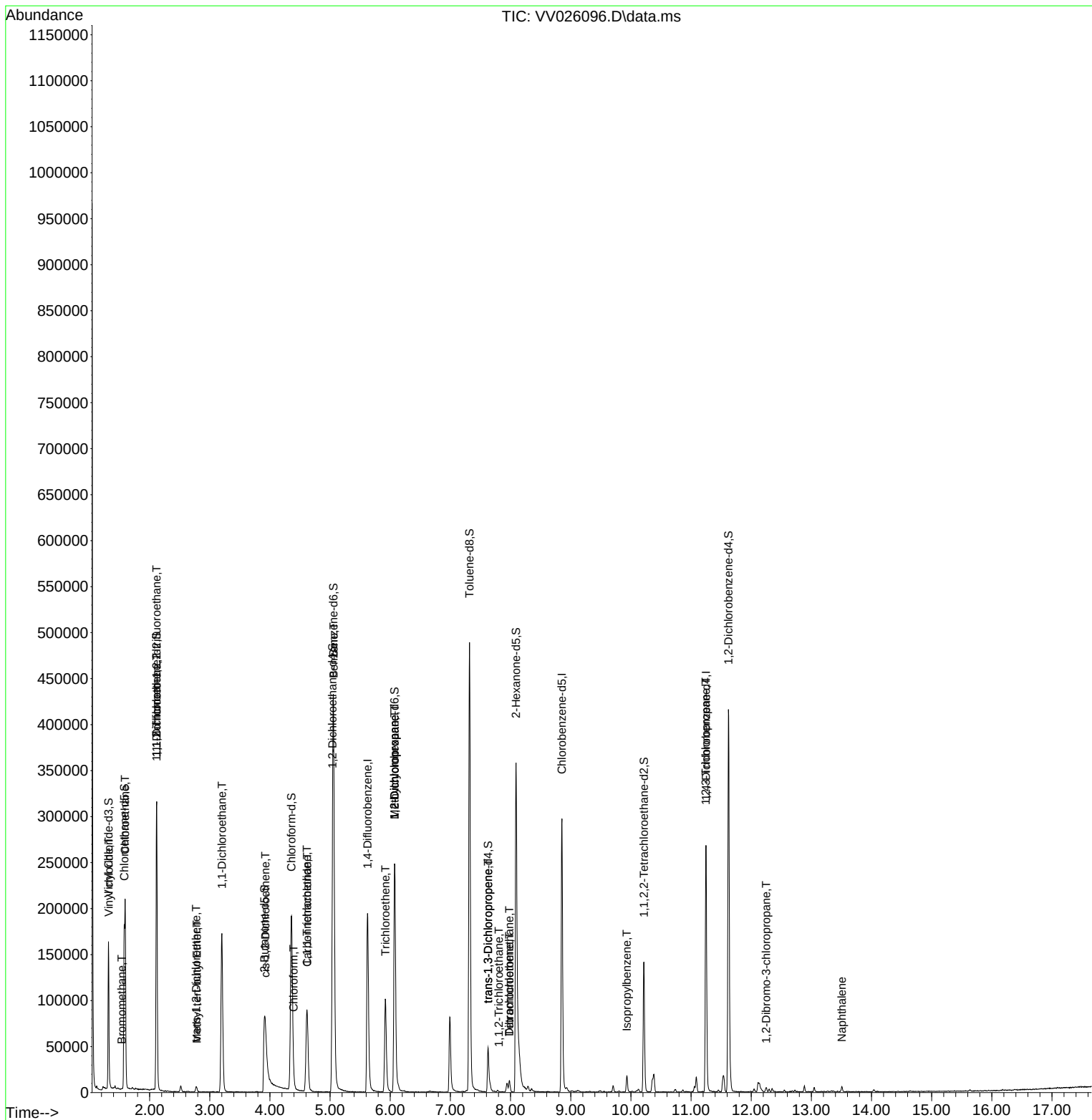
Instrument :
 MSVOA_V
 ClientSampleId :

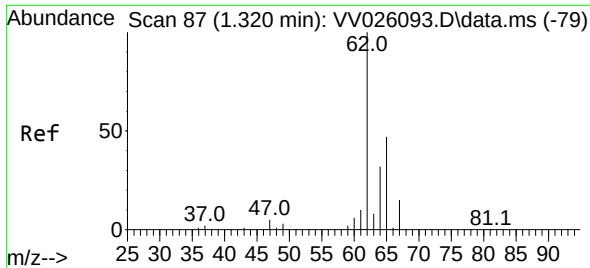
Quant Time: Jun 11 01:26:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 11 01:25:15 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	7.982	129	2700	0.297	ug/L #	9
60) Isopropylbenzene	9.934	105	11475	0.245	ug/L	98
61) 1,2,3-Trichloropropane	11.246	75	8978	1.634	ug/L #	65
68) 1,2-Dibromo-3-chloropr...	12.249	75	184	0.188	ug/L #	1
71) Naphthalene	13.506	128	5093	0.299	ug/L	97

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

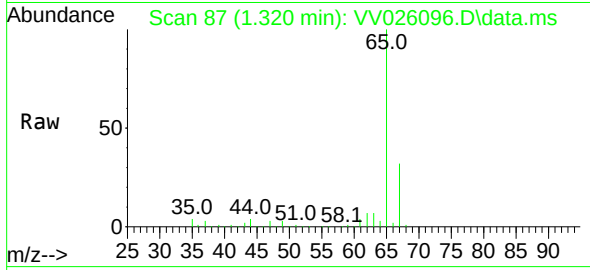
Quant Time: Jun 11 01:26:12 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR060822WMA.M
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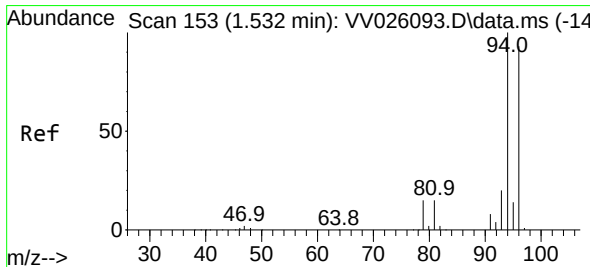
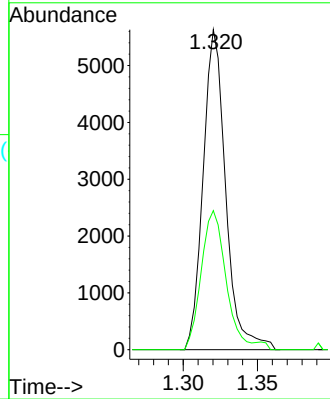
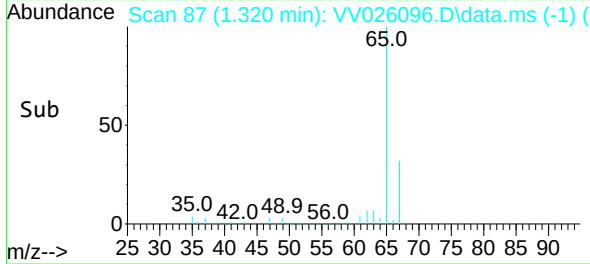


#5
 Vinyl chloride
 Concen: 0.300 ug/L
 RT: 1.320 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VV026096.D
 Acq: 10 Jun 2022 16:30

Instrument :
 MSVOA_V
 ClientSampleId :

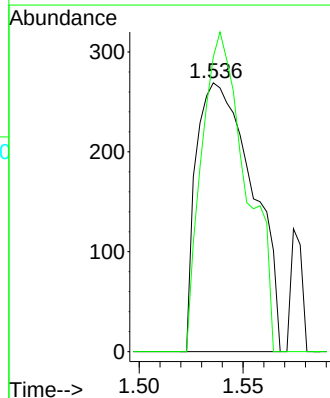
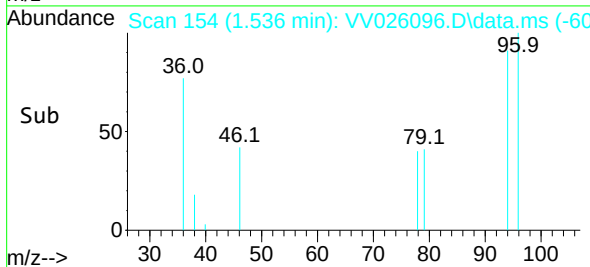
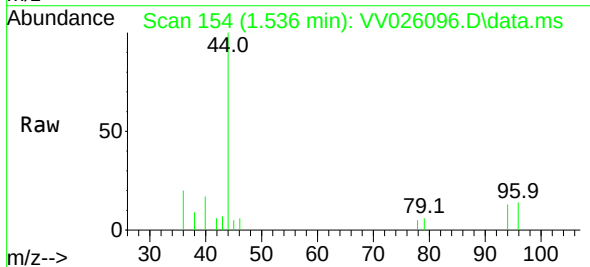


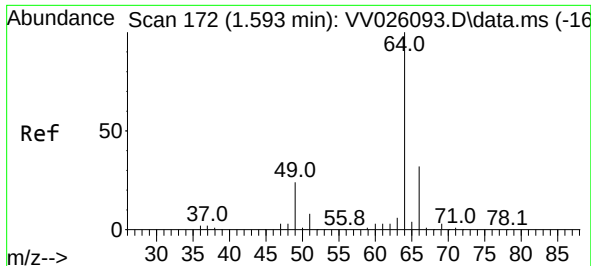
Tgt Ion: 62 Resp: 5940
 Ion Ratio Lower Upper
 62 100
 64 43.4 23.4 43.4#



#6
 Bromomethane
 Concen: 0.044 ug/L
 RT: 1.536 min Scan# 154
 Delta R.T. 0.003 min
 Lab File: VV026096.D
 Acq: 10 Jun 2022 16:30

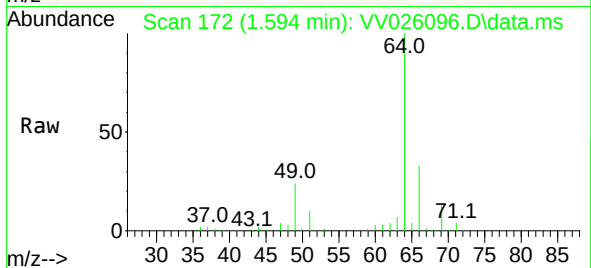
Tgt Ion: 94 Resp: 507
 Ion Ratio Lower Upper
 94 100
 96 109.7 65.5 121.6



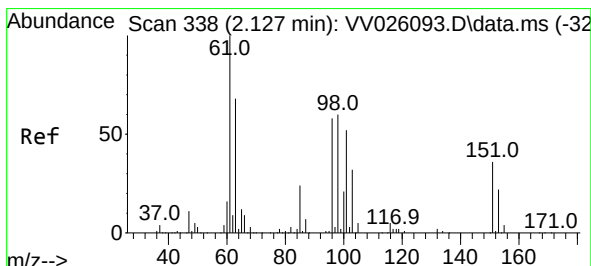
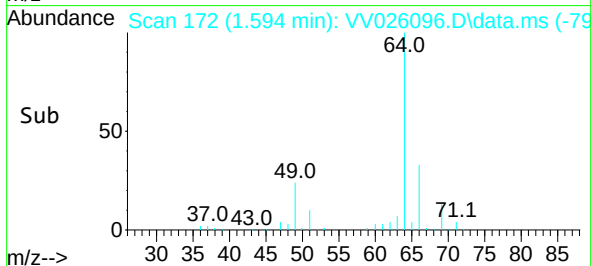
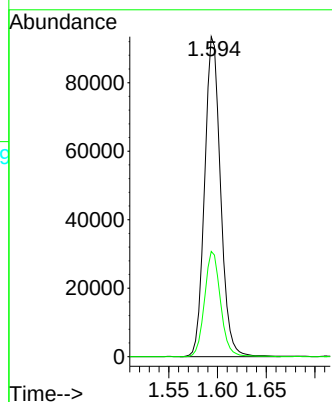


#8
Chloroethane
Concen: 8.710 ug/L
RT: 1.594 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV026096.D
Acq: 10 Jun 2022 16:30

Instrument :
MSVOA_V
ClientSampleId :

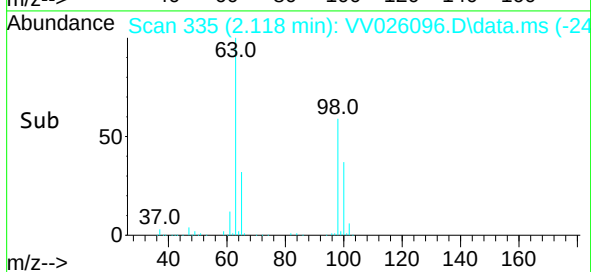
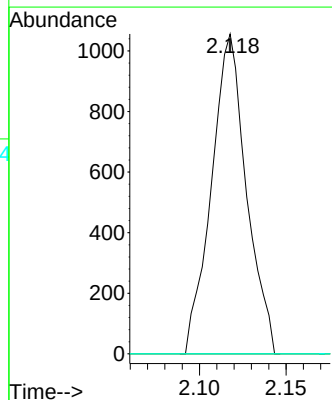
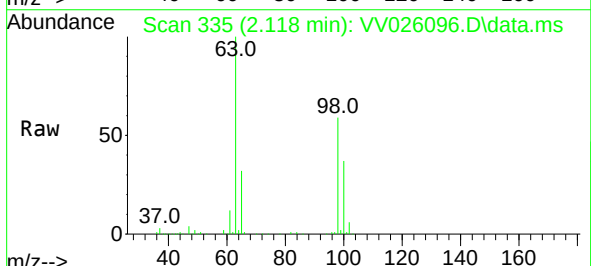


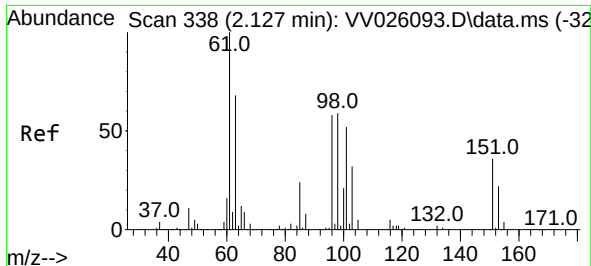
Tgt Ion: 64 Resp: 106092
Ion Ratio Lower Upper
64 100
66 32.9 23.0 42.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.103 ug/L
RT: 2.118 min Scan# 335
Delta R.T. -0.009 min
Lab File: VV026096.D
Acq: 10 Jun 2022 16:30

Tgt Ion:101 Resp: 1486
Ion Ratio Lower Upper
101 100
85 0.0 35.6 53.4#
151 0.0 56.4 84.6#





#12

1,1-Dichloroethene

Concen: 0.122 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.013 min

Lab File: VV026096.D

Acq: 10 Jun 2022 16:30

Instrument :

MSVOA_V

ClientSampleId :

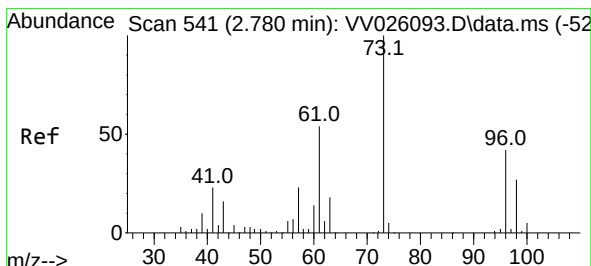
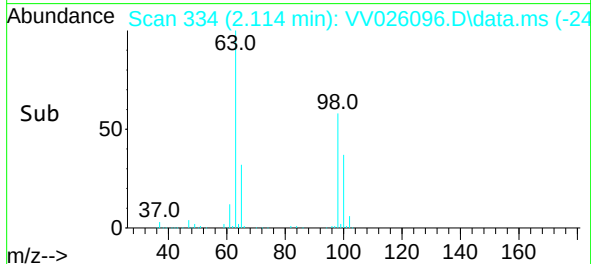
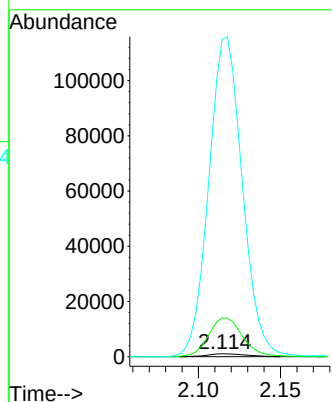
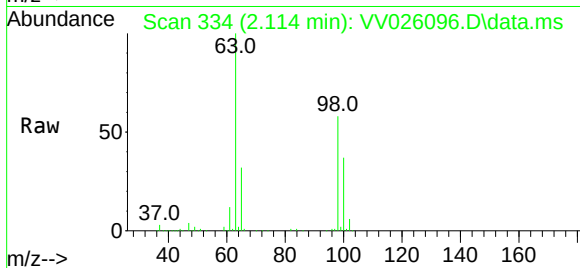
Tgt Ion: 96 Resp: 1687

Ion Ratio Lower Upper

96 100

61 1368.8 122.6 227.6#

63 11152.6 78.5 145.9#



#17

Methyl tert-butyl Ether

Concen: 0.049 ug/L

RT: 2.786 min Scan# 543

Delta R.T. 0.007 min

Lab File: VV026096.D

Acq: 10 Jun 2022 16:30

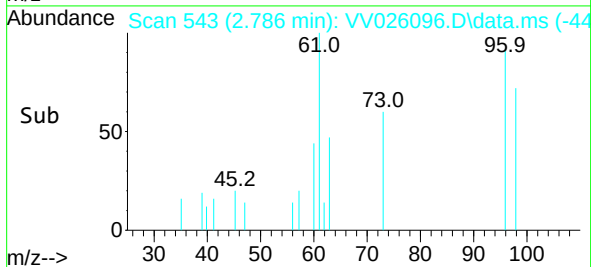
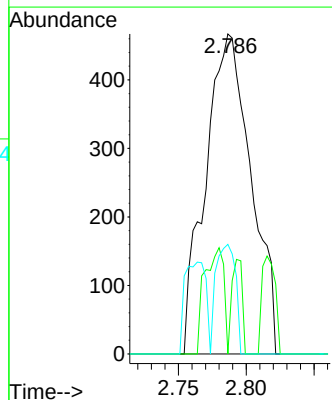
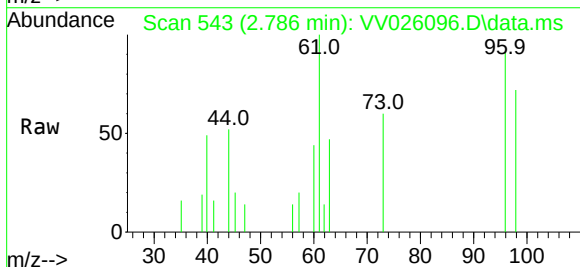
Tgt Ion: 73 Resp: 1095

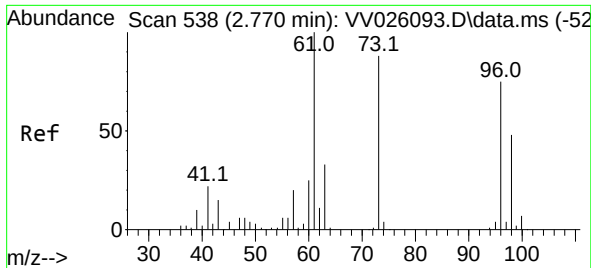
Ion Ratio Lower Upper

73 100

43 6.7 13.7 20.5#

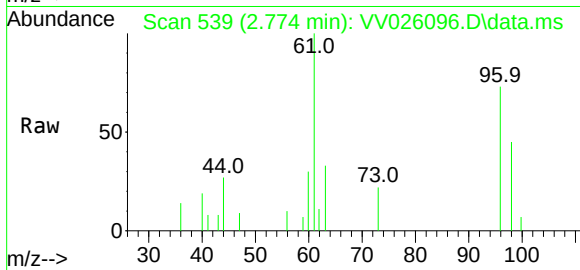
57 14.7 17.8 26.6#



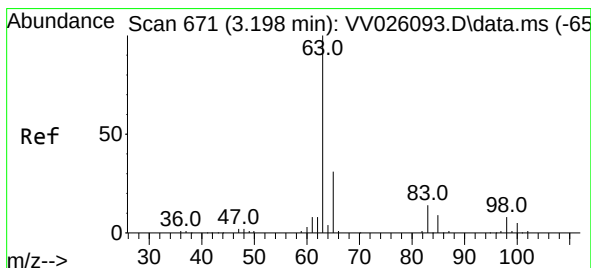
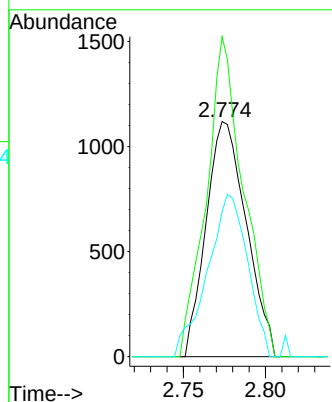
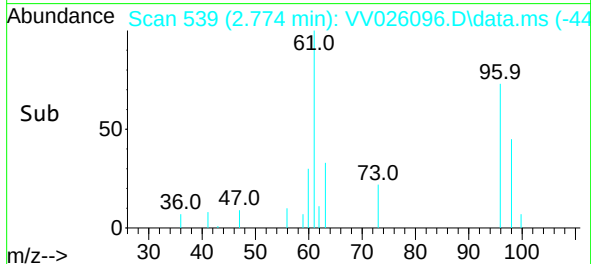


#18
trans-1,2-Dichloroethene
Concen: 0.146 ug/L
RT: 2.774 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV026096.D
Acq: 10 Jun 2022 16:30

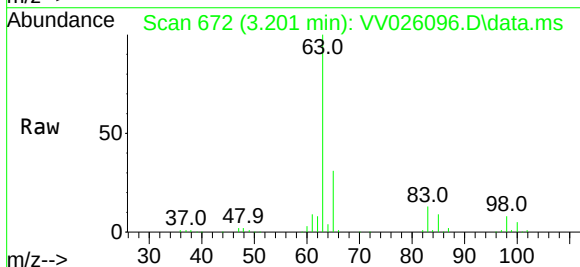
Instrument :
MSVOA_V
ClientSampleId :



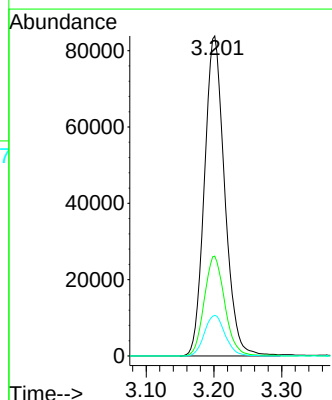
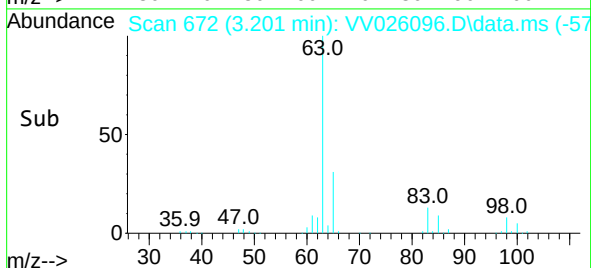
Tgt Ion: 96 Resp: 1901
Ion Ratio Lower Upper
96 100
61 136.1 94.3 175.1
98 61.7 44.4 82.5

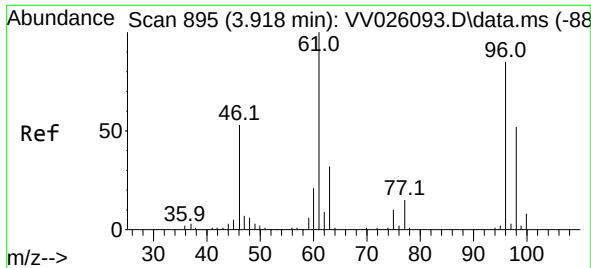


#19
1,1-Dichloroethane
Concen: 7.332 ug/L
RT: 3.201 min Scan# 672
Delta R.T. 0.003 min
Lab File: VV026096.D
Acq: 10 Jun 2022 16:30



Tgt Ion: 63 Resp: 174095
Ion Ratio Lower Upper
63 100
65 31.2 23.1 42.9
83 12.7 9.7 18.1

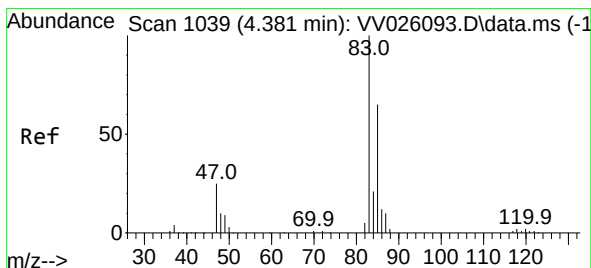
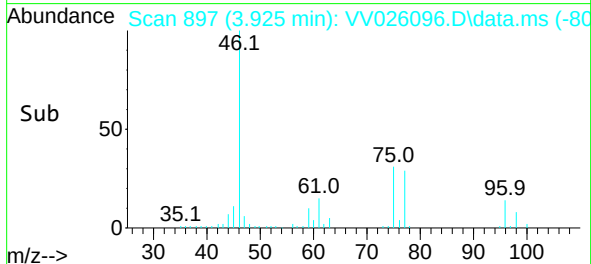
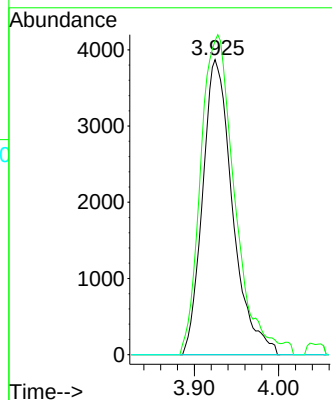
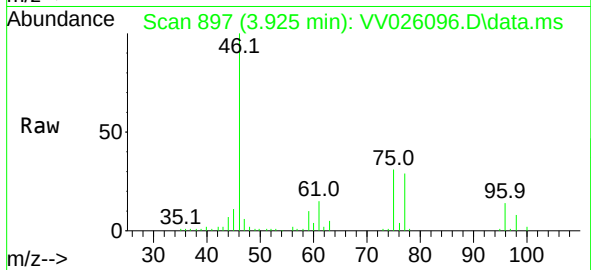




#22
 cis-1,2-Dichloroethene
 Concen: 0.743 ug/L
 RT: 3.925 min Scan# 89
 Delta R.T. 0.007 min
 Lab File: VV026096.D
 Acq: 10 Jun 2022 16:30

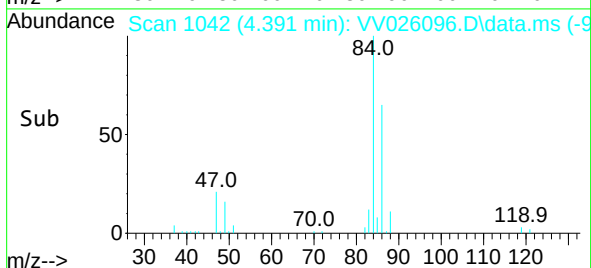
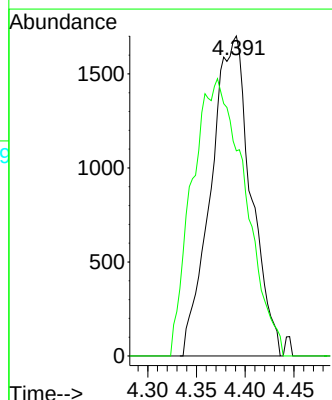
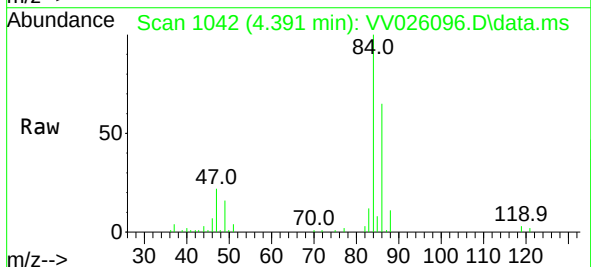
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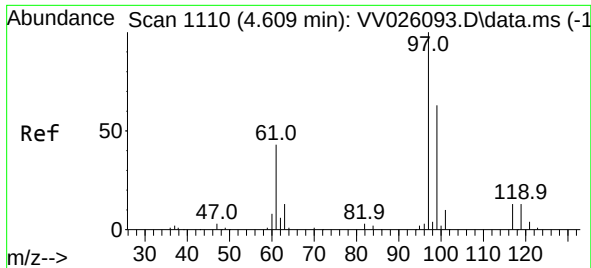
Tgt Ion: 96 Resp: 9564
 Ion Ratio Lower Upper
 96 100
 61 106.4 83.1 154.3
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.200 ug/L
 RT: 4.391 min Scan# 1042
 Delta R.T. 0.010 min
 Lab File: VV026096.D
 Acq: 10 Jun 2022 16:30

Tgt Ion: 83 Resp: 4864
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.2 84.0





#29

1,1,1-Trichloroethane

Concen: 3.274 ug/L

RT: 4.616 min Scan# 1112

Delta R.T. 0.007 min

Lab File: VV026096.D

Acq: 10 Jun 2022 16:30

Instrument :

MSVOA_V

ClientSampleId :

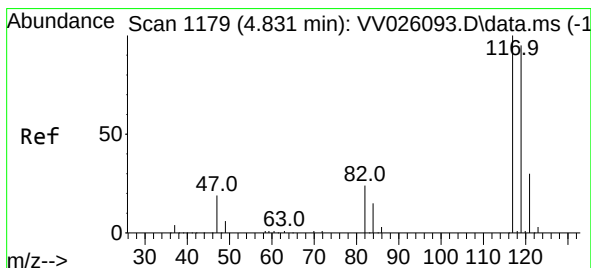
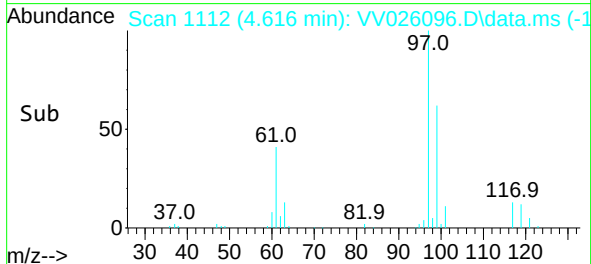
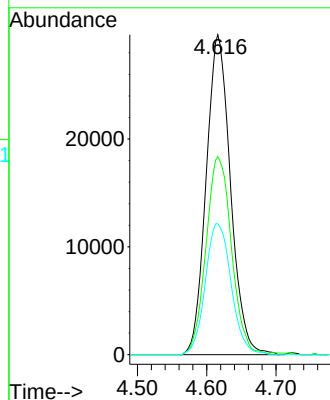
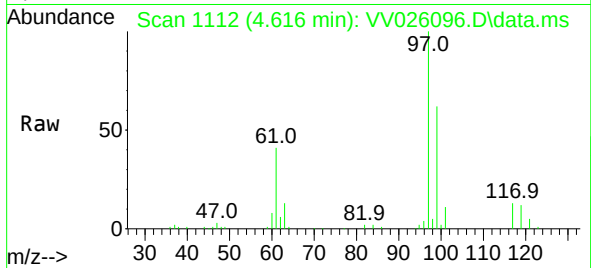
Tgt Ion: 97 Resp: 72439

Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.0

61 43.5 34.9 52.3



#31

Carbon tetrachloride

Concen: 0.540 ug/L

RT: 4.619 min Scan# 1113

Delta R.T. -0.212 min

Lab File: VV026096.D

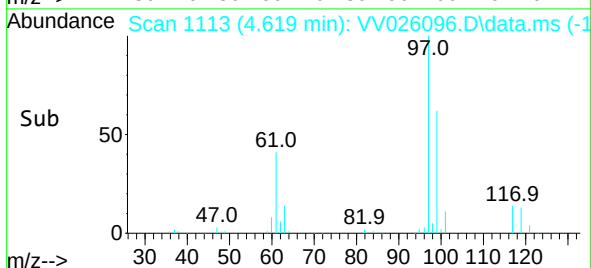
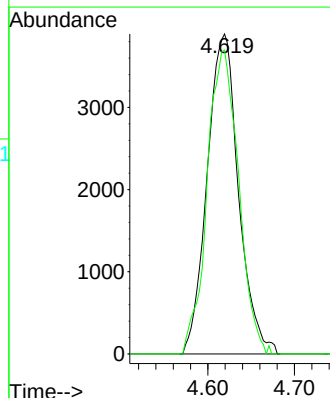
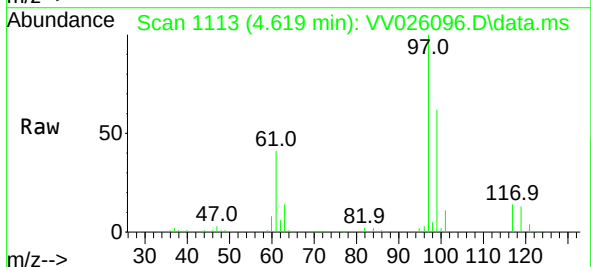
Acq: 10 Jun 2022 16:30

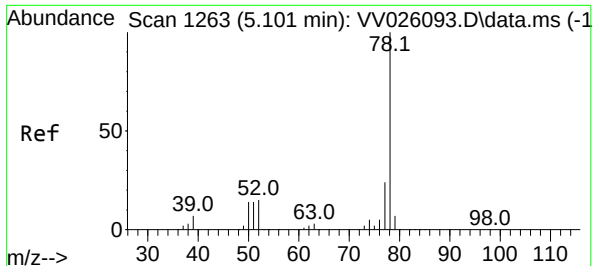
Tgt Ion: 117 Resp: 9807

Ion Ratio Lower Upper

117 100

119 95.2 78.7 118.1

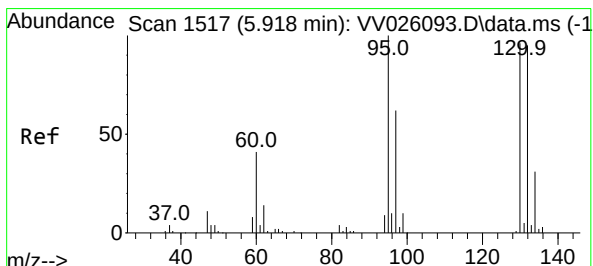
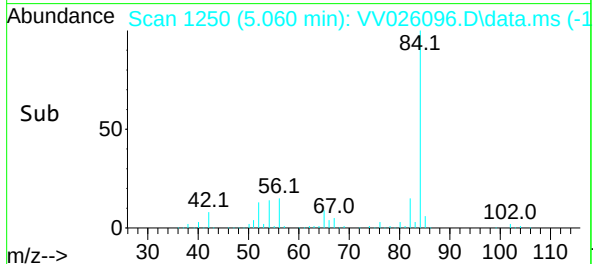
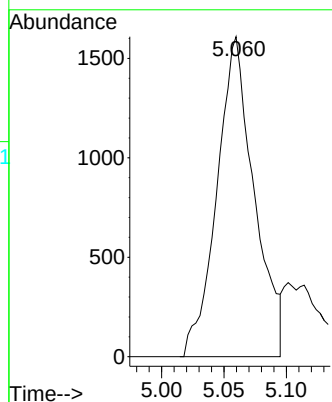
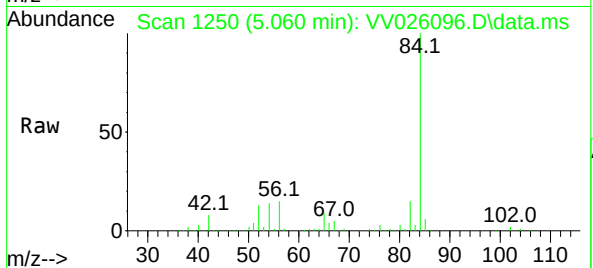




#33
Benzene
Concen: 0.063 ug/L
RT: 5.060 min Scan# 11
Delta R.T. -0.042 min
Lab File: VV026096.D
Acq: 10 Jun 2022 16:30

Instrument :
MSVOA_V
ClientSampleId :

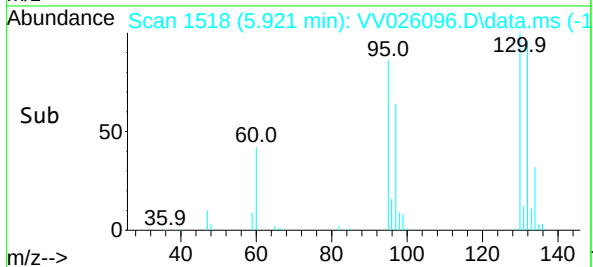
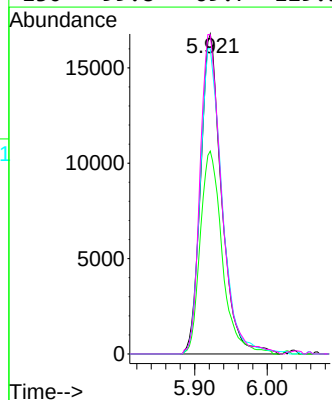
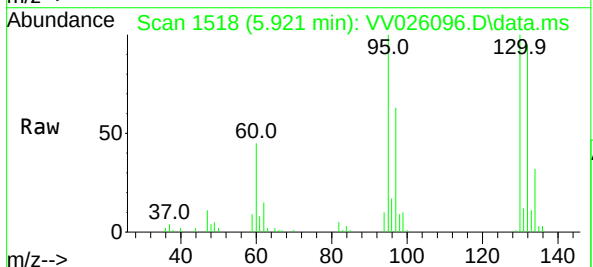
Tgt Ion: 78 Resp: 3360

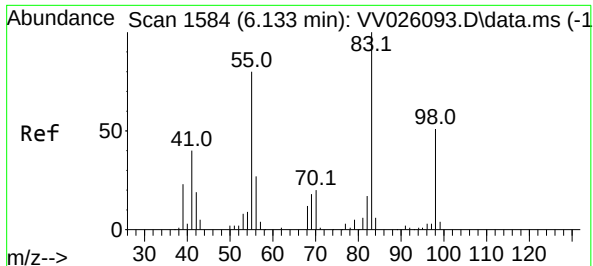


#34
Trichloroethene
Concen: 2.438 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.003 min
Lab File: VV026096.D
Acq: 10 Jun 2022 16:30

Tgt Ion: 95 Resp: 33742

Ion	Ratio	Lower	Upper
95	100		
97	63.4	44.0	81.6
132	95.4	67.5	125.4
130	99.8	69.7	129.5





#35

Methylcyclohexane

Concen: 1.439 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV026096.D

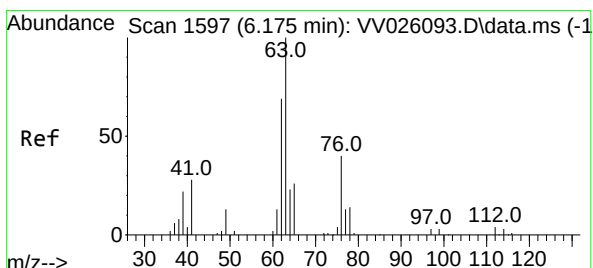
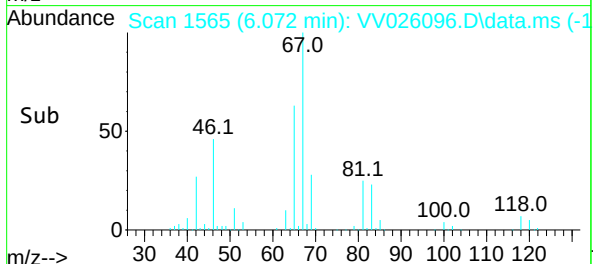
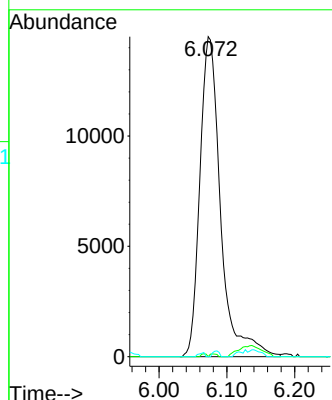
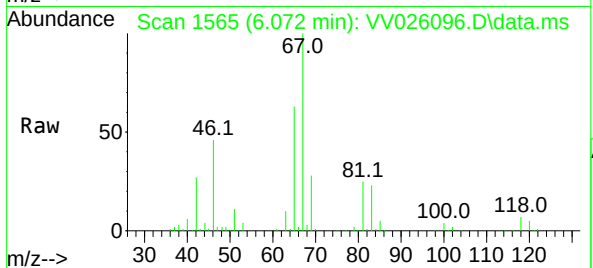
Acq: 10 Jun 2022 16:30

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 30715
Ion Ratio	Lower Upper
83 100	
55 0.3	59.4 89.0#
98 0.6	38.9 58.3#



#37

1,2-Dichloropropane

Concen: 1.053 ug/L

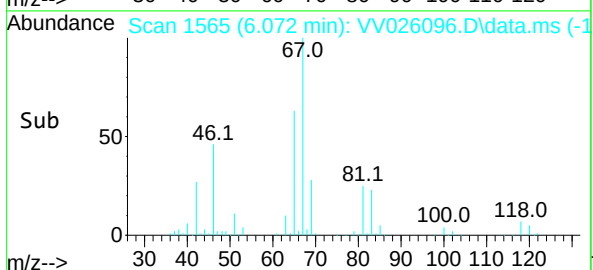
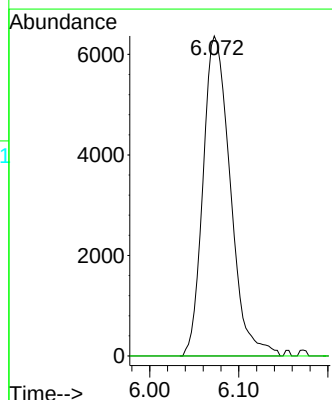
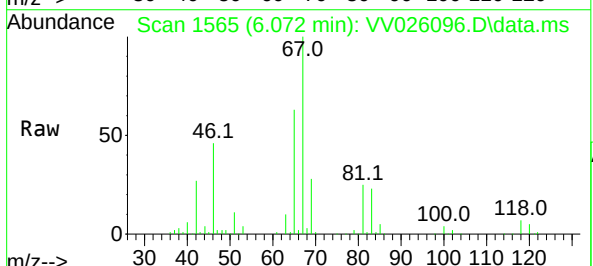
RT: 6.072 min Scan# 1565

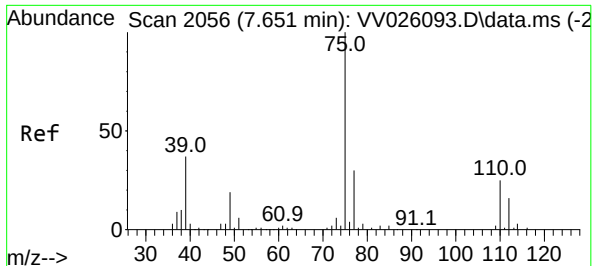
Delta R.T. -0.103 min

Lab File: VV026096.D

Acq: 10 Jun 2022 16:30

Tgt Ion: 63	Resp: 13518
Ion Ratio	Lower Upper
63 100	
112 0.0	3.8 5.6#

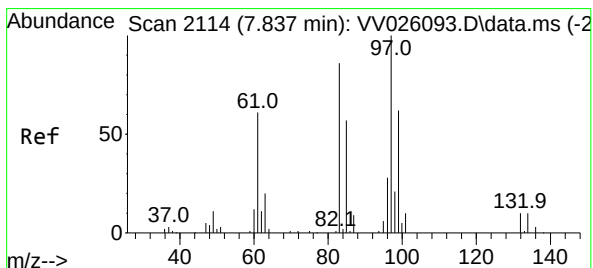
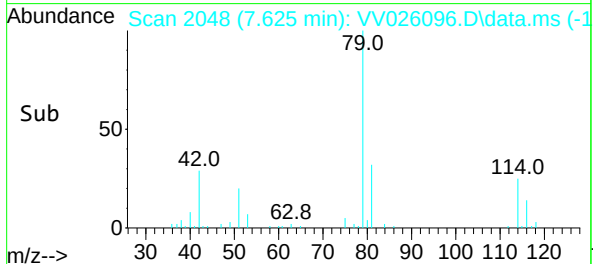
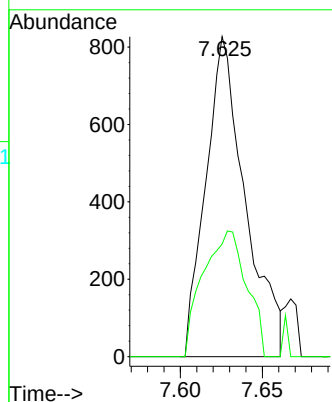
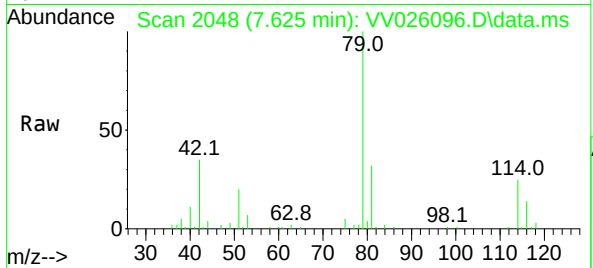




#44
trans-1,3-Dichloropropene
Concen: 0.112 ug/L
RT: 7.625 min Scan# 2104
Delta R.T. -0.026 min
Lab File: VV026096.D
Acq: 10 Jun 2022 16:30

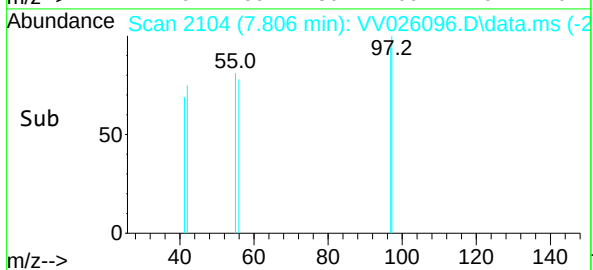
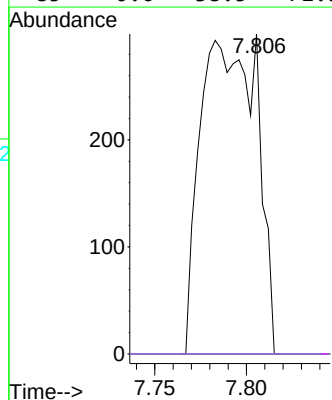
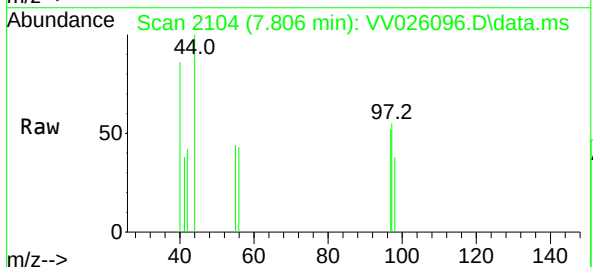
Instrument :
MSVOA_V
ClientSampleId :

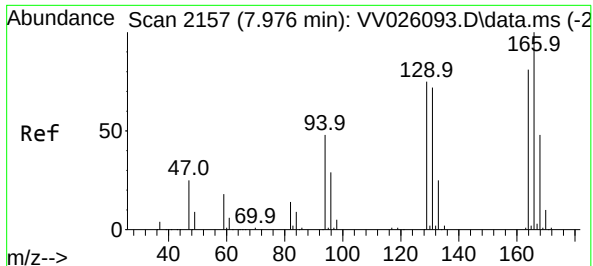
Tgt Ion: 75 Resp: 1383
Ion Ratio Lower Upper
75 100
77 35.2 21.7 40.3



#45
1,1,2-Trichloroethane
Concen: 0.075 ug/L
RT: 7.806 min Scan# 2104
Delta R.T. -0.032 min
Lab File: VV026096.D
Acq: 10 Jun 2022 16:30

Tgt Ion: 97 Resp: 629
Ion Ratio Lower Upper
97 100
99 0.0 43.5 80.7#
83 0.0 59.6 110.8#
85 0.0 38.5 71.5#





#47

Tetrachloroethene

Concen: 0.253 ug/L

RT: 7.979 min Scan# 2157

Delta R.T. 0.003 min

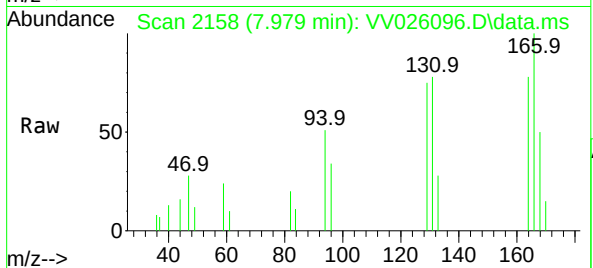
Lab File: VV026096.D

Acq: 10 Jun 2022 16:30

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 2716

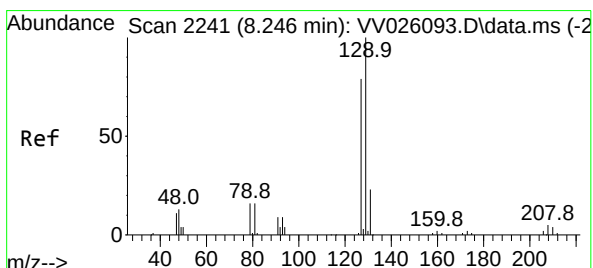
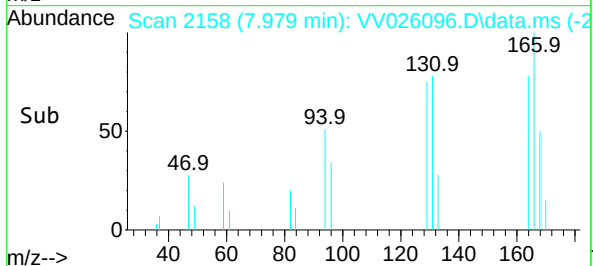
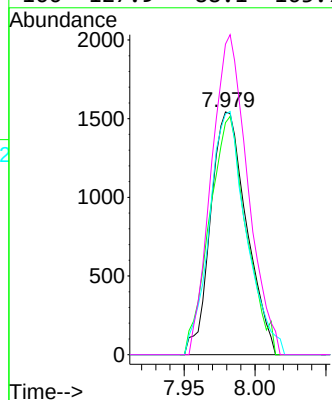
Ion Ratio Lower Upper

164 100

129 95.6 68.3 126.9

131 99.2 66.5 123.5

166 127.9 88.1 163.7



#49

Dibromochloromethane

Concen: 0.297 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. -0.263 min

Lab File: VV026096.D

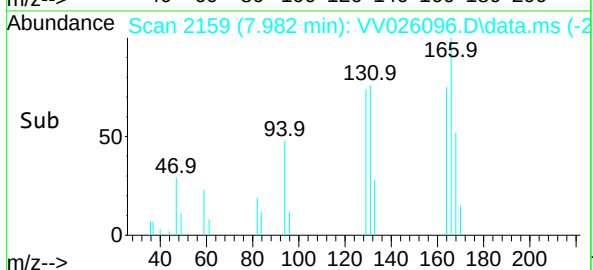
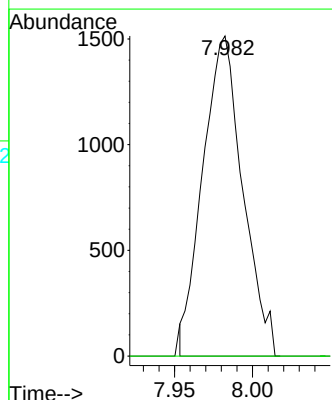
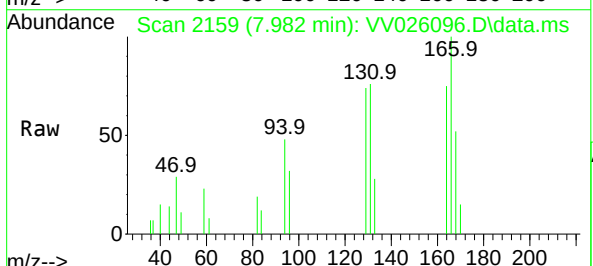
Acq: 10 Jun 2022 16:30

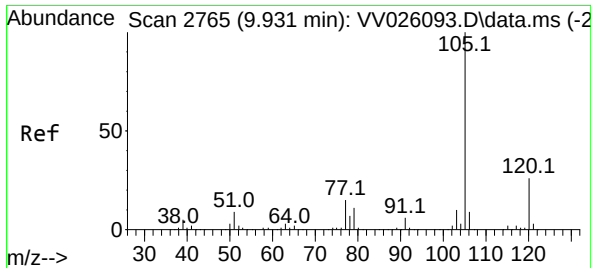
Tgt Ion:129 Resp: 2700

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#

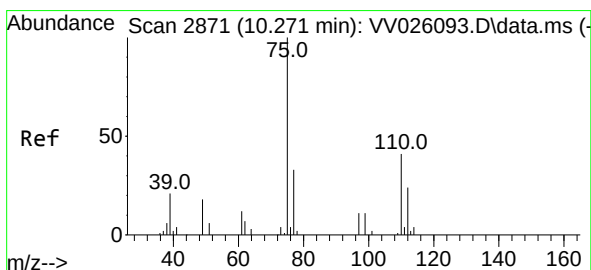
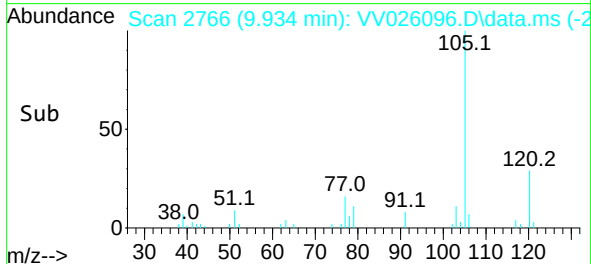
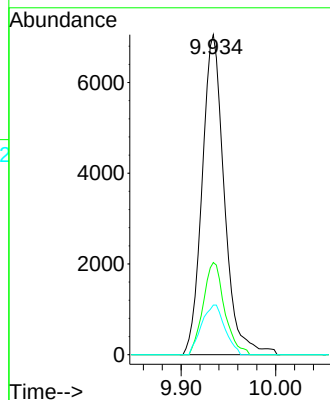
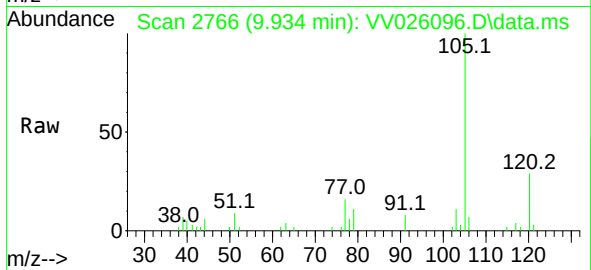




#60
Isopropylbenzene
Concen: 0.245 ug/L
RT: 9.934 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV026096.D
Acq: 10 Jun 2022 16:30

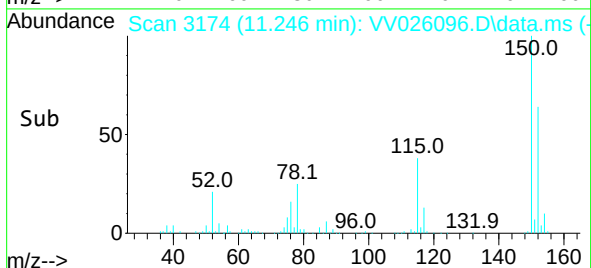
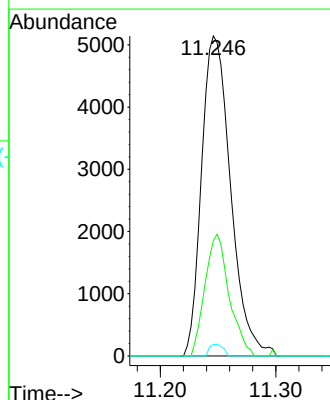
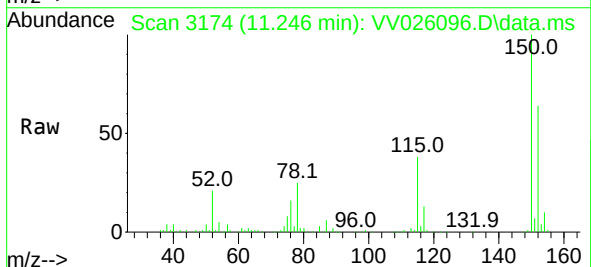
Instrument :
MSVOA_V
ClientSampleId :

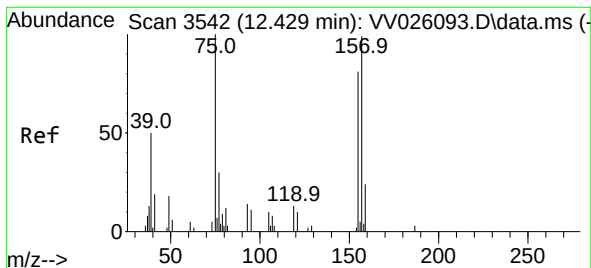
Tgt Ion:105 Resp: 11475
Ion Ratio Lower Upper
105 100
120 27.7 21.3 31.9
77 16.3 12.4 18.6



#61
1,2,3-Trichloropropane
Concen: 1.634 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV026096.D
Acq: 10 Jun 2022 16:30

Tgt Ion: 75 Resp: 8978
Ion Ratio Lower Upper
75 100
77 31.7 26.6 40.0
110 1.7 32.0 48.0#

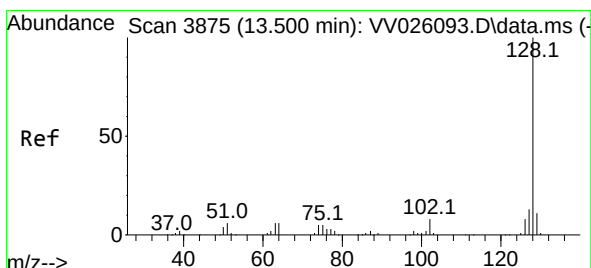
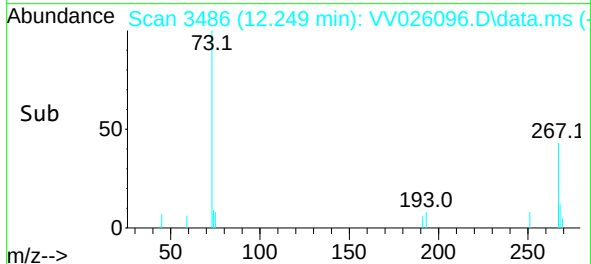
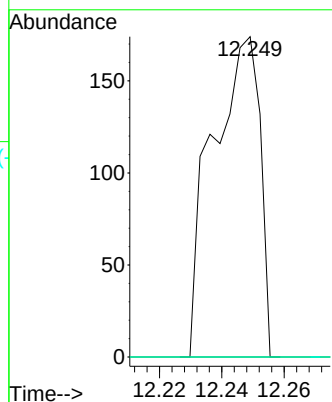
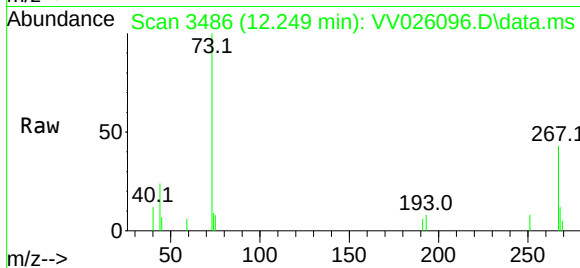




#68
1,2-Dibromo-3-chloropropane
Concen: 0.188 ug/L
RT: 12.249 min Scan# 34
Delta R.T. -0.180 min
Lab File: VV026096.D
Acq: 10 Jun 2022 16:30

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 184
Ion Ratio Lower Upper
75 100
155 0.0 68.0 102.0#
157 0.0 89.7 134.5#



#71
Naphthalene
Concen: 0.299 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.007 min
Lab File: VV026096.D
Acq: 10 Jun 2022 16:30

Tgt Ion: 128 Resp: 5093
Ion Ratio Lower Upper
128 100
129 12.2 8.7 13.1
127 12.0 10.3 15.5

