

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061322\
 Data File : VW026220.D
 Acq On : 13 Jun 2022 19:34
 Operator : SY/MD
 Sample : N3273-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 14 02:42:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR061222WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jun 14 02:36:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.622	114	160616	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	159975	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	65764	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.317	65	91446	4.354	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	87.000%	
7) Chloroethane-d5	1.577	69	75329	4.553	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	91.000%	
11) 1,1-Dichloroethene-d2	2.117	63	119175	3.529	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	70.600%	
20) 2-Butanone-d5	3.918	46	115941	73.989	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	147.980%#	
24) Chloroform-d	4.359	84	140147	4.705	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	94.000%	
26) 1,2-Dichloroethane-d4	5.040	65	61169	5.093	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	101.800%	
32) Benzene-d6	5.056	84	271273	4.350	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	87.000%	
36) 1,2-Dichloropropane-d6	6.075	67	84952	4.724	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	94.400%	
41) Toluene-d8	7.317	98	216554	3.899	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	78.000%	
43) trans-1,3-Dichloroprop...	7.625	79	22678	4.178	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	83.600%	
46) 2-Hexanone-d5	8.091	63	86791	51.350	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	102.700%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	51914	4.845	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	96.800%	
66) 1,2-Dichlorobenzene-d4	11.622	152	73792	5.006	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	100.200%	
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	1.764	101	2331	0.103	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.121	101	1141	0.089	ug/L #	21
13) Acetone	2.208	43	49807	55.670	ug/L	95
15) Methyl Acetate	2.465	43	2087	0.799	ug/L #	89
21) 2-Butanone	4.095	43	62713	51.495	ug/L #	55
22) cis-1,2-Dichloroethene	3.931	96	3006	0.254	ug/L	88
25) Chloroform	4.391	83	2945	0.125	ug/L	96
27) 1,2-Dichloroethane	5.056	62	1506	0.137	ug/L #	73
34) Trichloroethene	5.918	95	78566	6.012	ug/L	98
35) Methylcyclohexane	6.075	83	19941	1.129	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	9315	0.743	ug/L #	86
39) cis-1,3-Dichloropropene	6.992	75	1501	0.107	ug/L #	58
42) Toluene	7.400	91	12382	0.242	ug/L	98
44) trans-1,3-Dichloropropene	7.622	75	1036	0.094	ug/L	92
47) Tetrachloroethene	7.979	164	7366	0.785	ug/L	86
49) Dibromochloromethane	7.979	129	7247	0.842	ug/L #	13
52) Ethylbenzene	9.021	91	2860	0.056	ug/L	91
53) m,p-Xylene	9.143	106	4708	0.242	ug/L	83
61) 1,2,3-Trichloropropane	10.011	75	2789	0.553	ug/L #	37

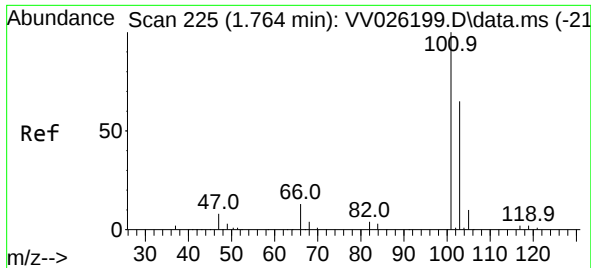
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061322\
Data File : VV026220.D
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

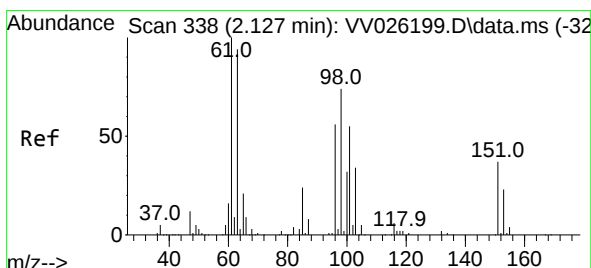
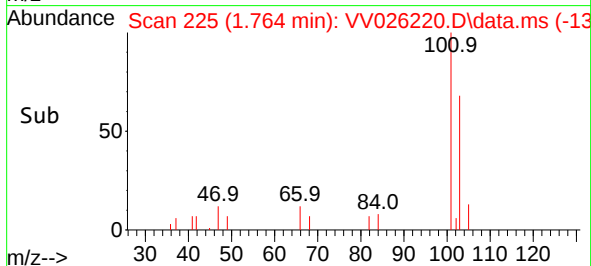
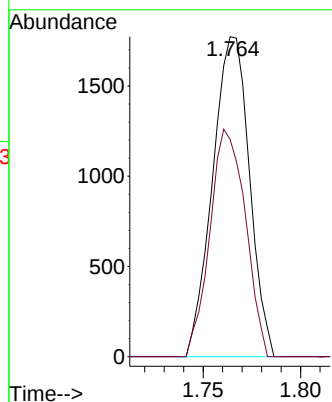
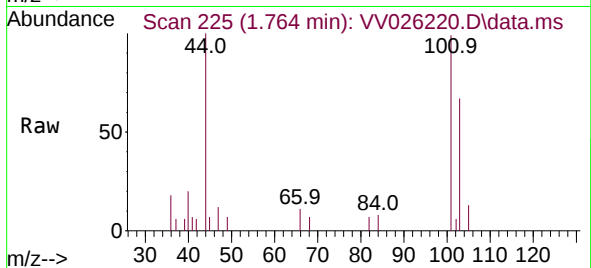
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#9
Trichlorofluoromethane
Concen: 0.103 ug/L
RT: 1.764 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV026220.D
Acq: 13 Jun 2022 19:34

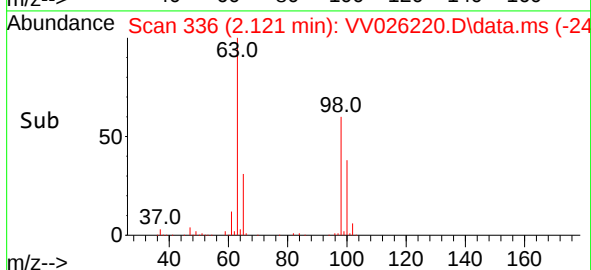
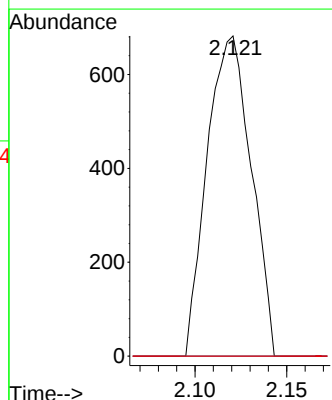
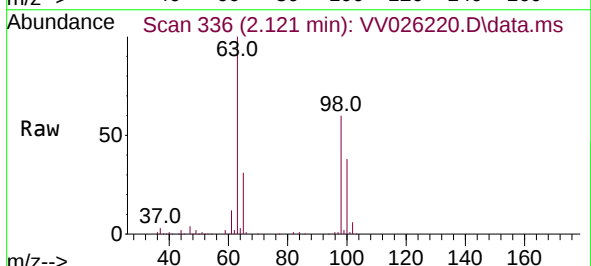
Instrument :
MSVOA_V
ClientSampleId :

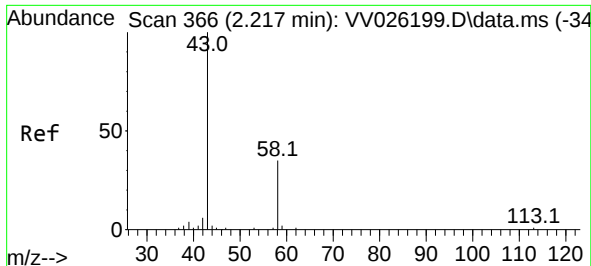
Tgt Ion:101 Resp: 2331
Ion Ratio Lower Upper
101 100
103 68.4 52.9 79.3



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.089 ug/L
RT: 2.121 min Scan# 336
Delta R.T. -0.006 min
Lab File: VV026220.D
Acq: 13 Jun 2022 19:34

Tgt Ion:101 Resp: 1141
Ion Ratio Lower Upper
101 100
85 0.0 35.3 52.9#
151 0.0 56.5 84.7#

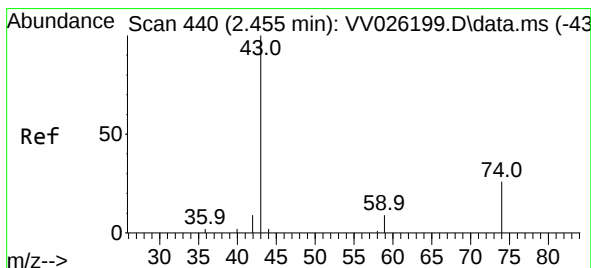
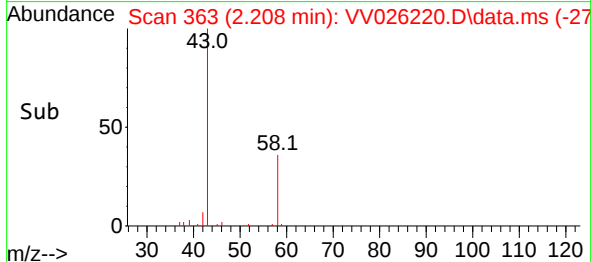
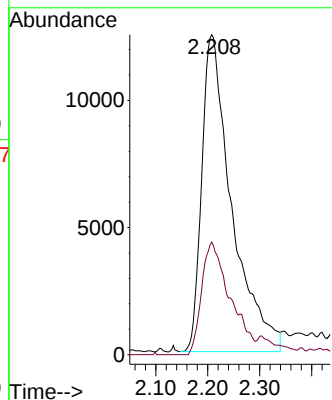
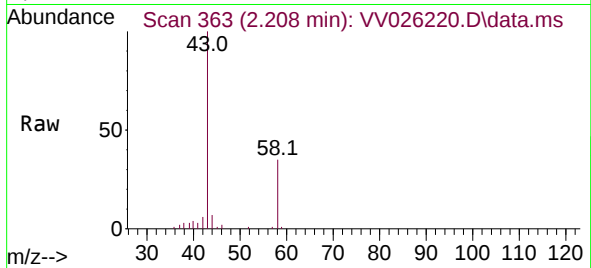




#13
Acetone
Concen: 55.670 ug/L
RT: 2.208 min Scan# 30
Delta R.T. -0.010 min
Lab File: VV026220.D
Acq: 13 Jun 2022 19:34

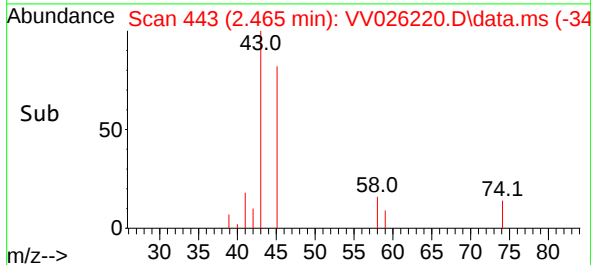
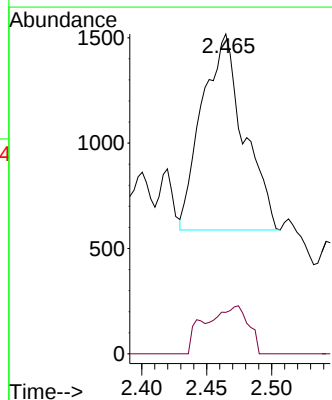
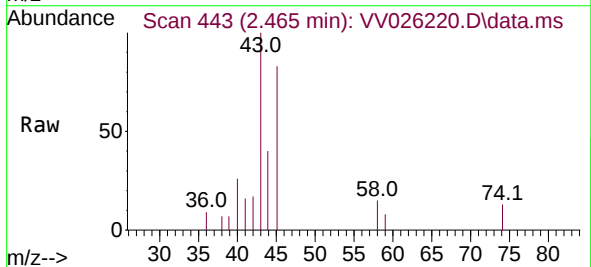
Instrument :
MSVOA_V
ClientSampleId :

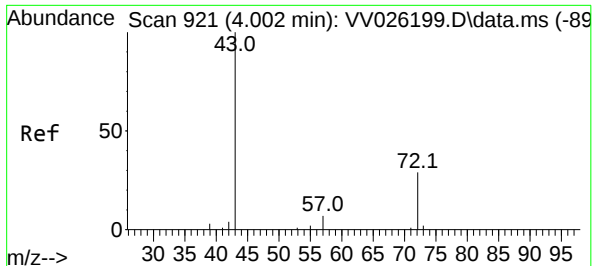
Tgt Ion: 43 Resp: 49807
Ion Ratio Lower Upper
43 100
58 33.8 0.0 73.6



#15
Methyl Acetate
Concen: 0.799 ug/L
RT: 2.465 min Scan# 443
Delta R.T. 0.010 min
Lab File: VV026220.D
Acq: 13 Jun 2022 19:34

Tgt Ion: 43 Resp: 2087
Ion Ratio Lower Upper
43 100
74 18.2 18.9 28.3#





#21

2-Butanone

Concen: 51.495 ug/L

RT: 4.095 min Scan# 91

Delta R.T. 0.093 min

Lab File: VV026220.D

Acq: 13 Jun 2022 19:34

Instrument :

MSVOA_V

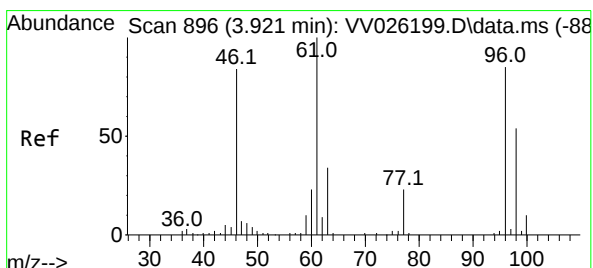
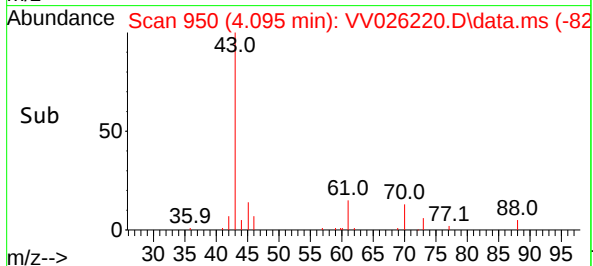
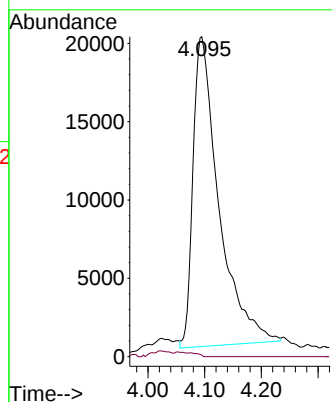
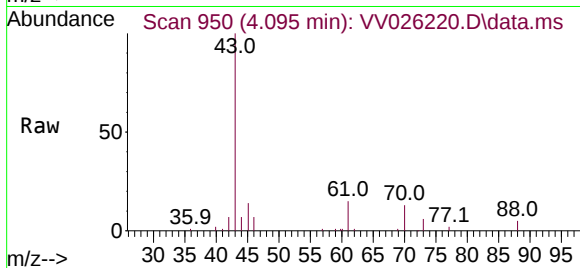
ClientSampleId :

Tgt Ion: 43 Resp: 62713

Ion Ratio Lower Upper

43 100

72 0.2 10.6 31.8#



#22

cis-1,2-Dichloroethene

Concen: 0.254 ug/L

RT: 3.931 min Scan# 899

Delta R.T. 0.010 min

Lab File: VV026220.D

Acq: 13 Jun 2022 19:34

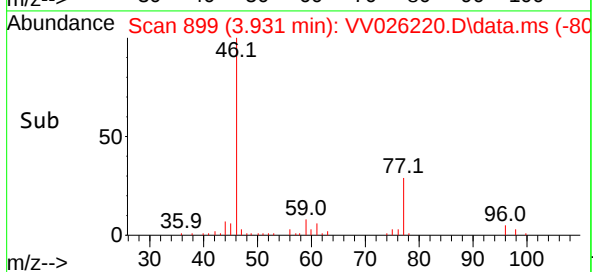
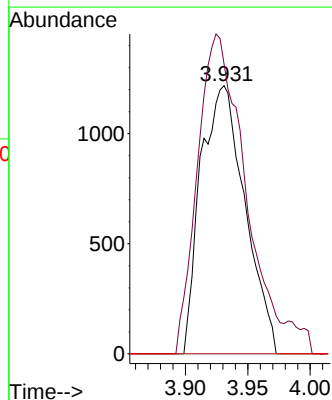
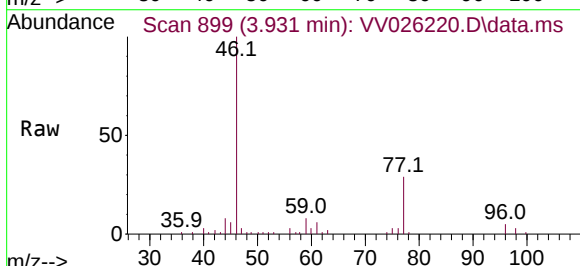
Tgt Ion: 96 Resp: 3006

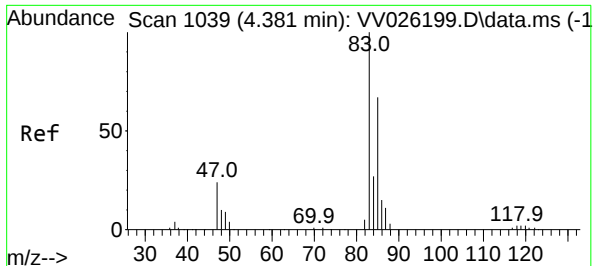
Ion Ratio Lower Upper

96 100

61 108.1 85.2 158.2

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.125 ug/L

RT: 4.391 min Scan# 1042

Delta R.T. 0.010 min

Lab File: VV026220.D

Acq: 13 Jun 2022 19:34

Instrument :

MSVOA_V

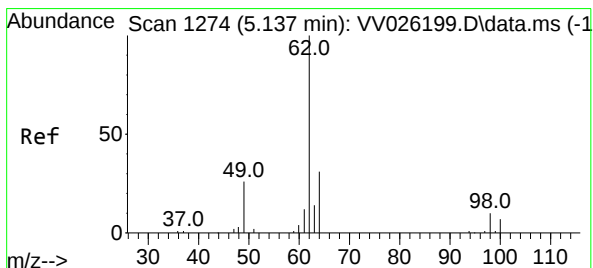
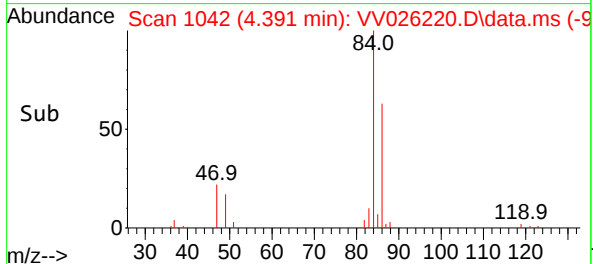
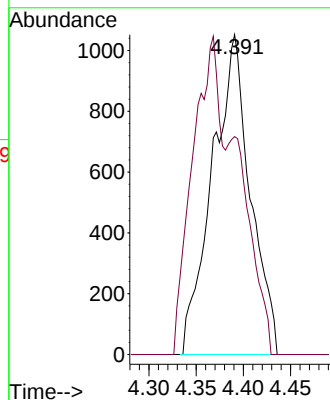
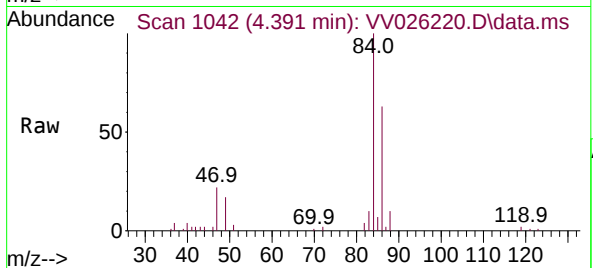
ClientSampleId :

Tgt Ion: 83 Resp: 2945

Ion Ratio Lower Upper

83 100

85 68.2 45.3 84.1



#27

1,2-Dichloroethane

Concen: 0.137 ug/L

RT: 5.056 min Scan# 1249

Delta R.T. -0.080 min

Lab File: VV026220.D

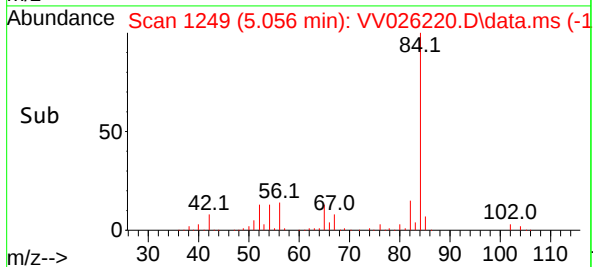
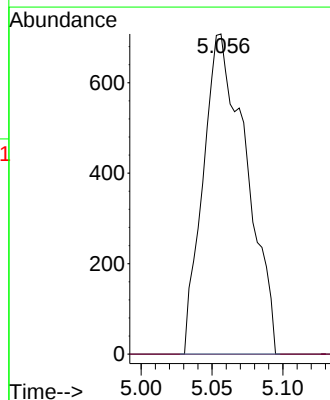
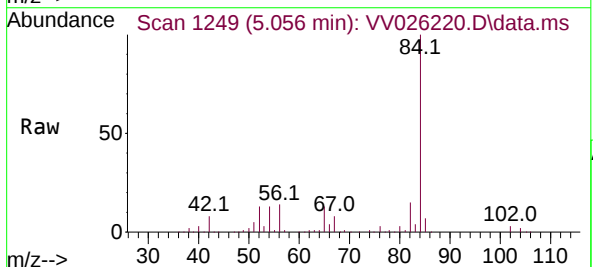
Acq: 13 Jun 2022 19:34

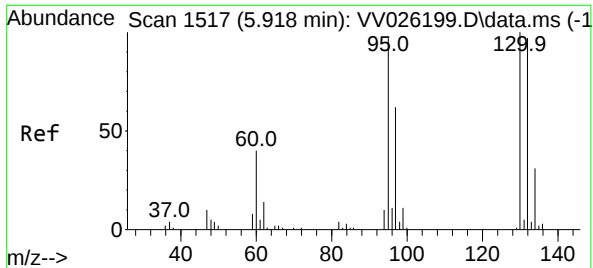
Tgt Ion: 62 Resp: 1506

Ion Ratio Lower Upper

62 100

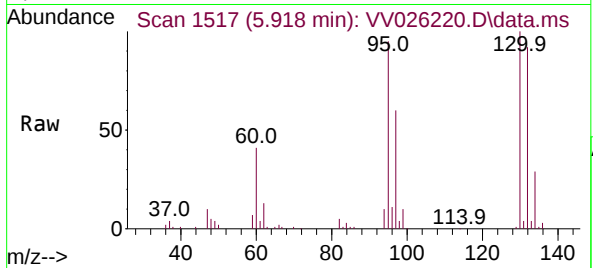
98 0.0 7.9 11.9#



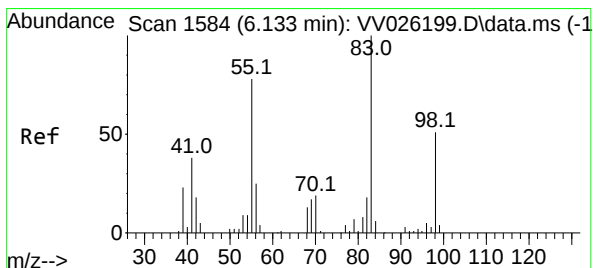
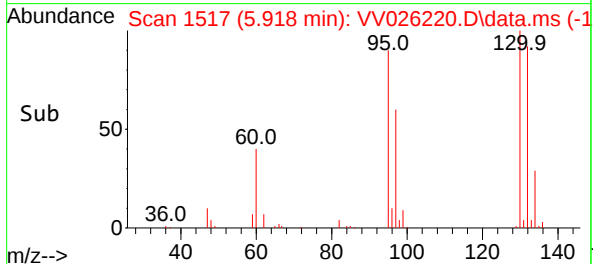
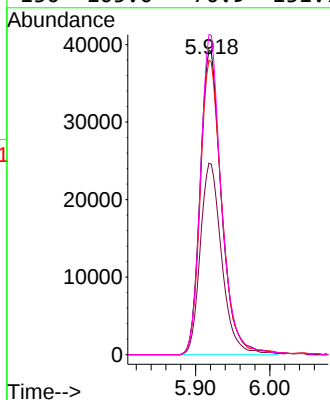


#34
Trichloroethene
Concen: 6.012 ug/L
RT: 5.918 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV026220.D
Acq: 13 Jun 2022 19:34

Instrument :
MSVOA_V
ClientSampleId :

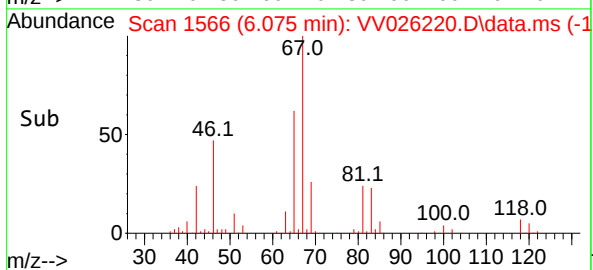
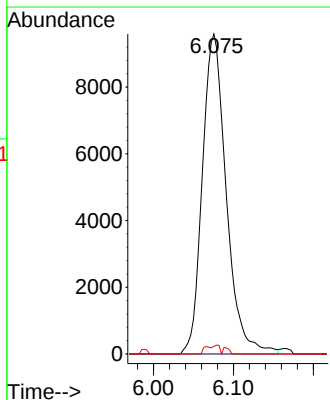
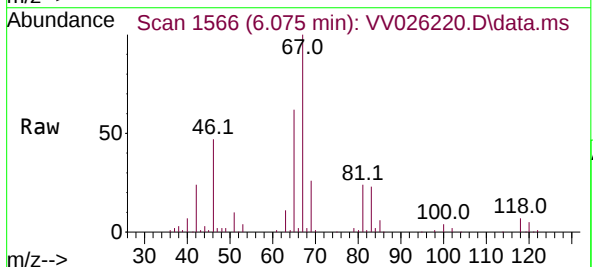


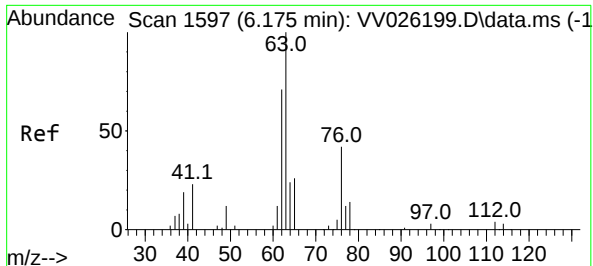
Tgt Ion:	95	Resp:	78566
Ion Ratio	100	Lower	Upper
95	100		
97	62.8	43.3	80.3
132	96.6	67.5	125.4
130	105.0	70.9	131.7



#35
Methylcyclohexane
Concen: 1.129 ug/L
RT: 6.075 min Scan# 1566
Delta R.T. -0.058 min
Lab File: VV026220.D
Acq: 13 Jun 2022 19:34

Tgt Ion:	83	Resp:	19941
Ion Ratio	100	Lower	Upper
83	100		
55	0.0	59.5	89.3#
98	0.7	38.4	57.6#





#37

1,2-Dichloropropane

Concen: 0.743 ug/L

RT: 6.072 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV026220.D

Acq: 13 Jun 2022 19:34

Instrument :

MSVOA_V

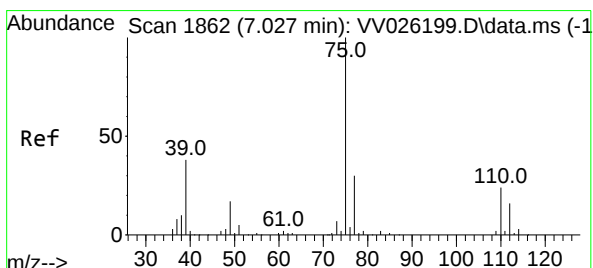
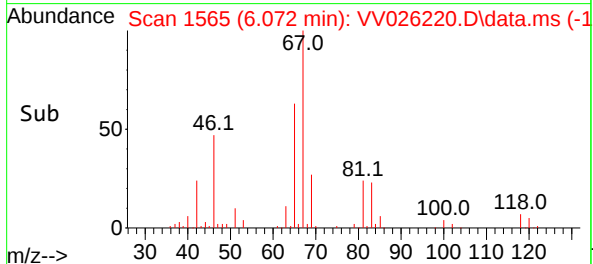
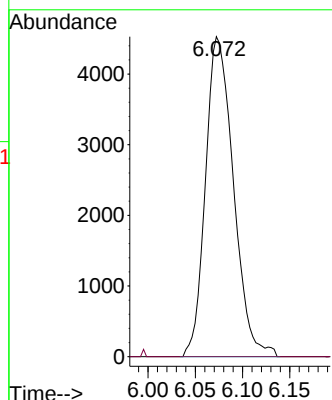
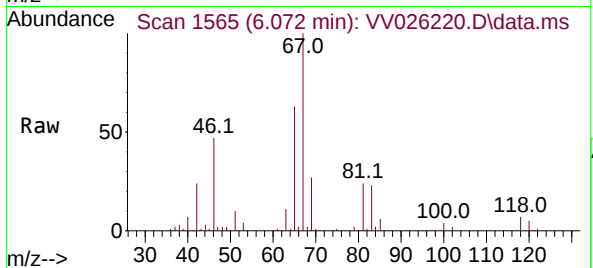
ClientSampleId :

Tgt Ion: 63 Resp: 9315

Ion Ratio Lower Upper

63 100

112 0.2 3.9 5.9#



#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 6.992 min Scan# 1851

Delta R.T. -0.035 min

Lab File: VV026220.D

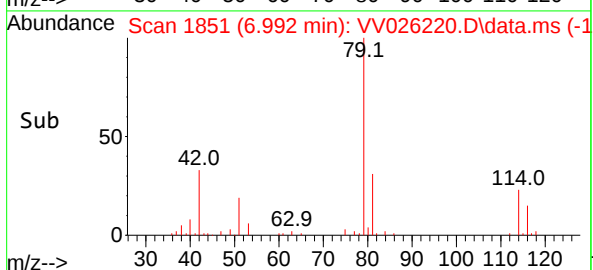
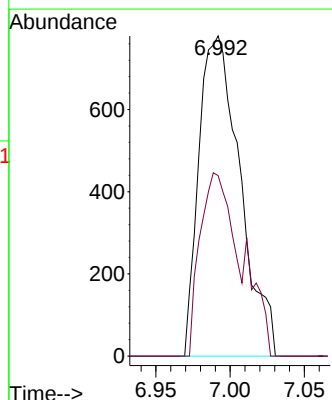
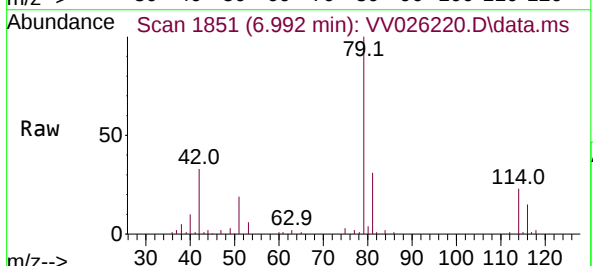
Acq: 13 Jun 2022 19:34

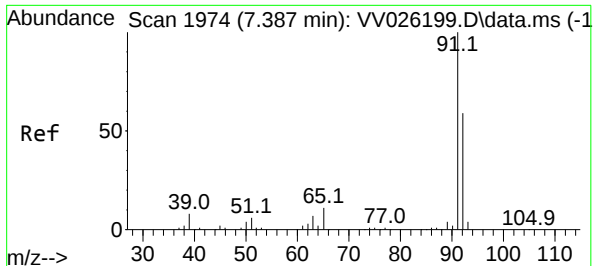
Tgt Ion: 75 Resp: 1501

Ion Ratio Lower Upper

75 100

77 56.4 22.9 42.5#





#42

Toluene

Concen: 0.242 ug/L

RT: 7.400 min Scan# 1974

Delta R.T. 0.013 min

Lab File: VV026220.D

Acq: 13 Jun 2022 19:34

Instrument :

MSVOA_V

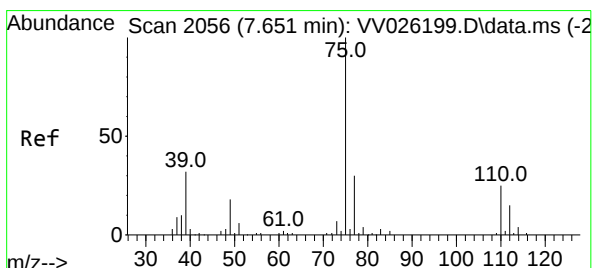
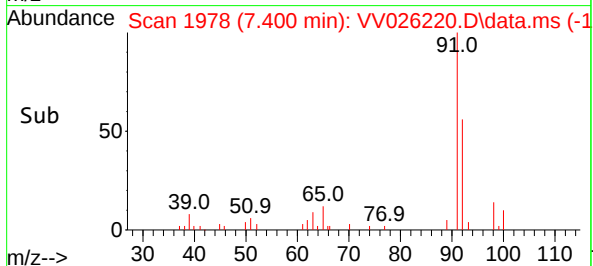
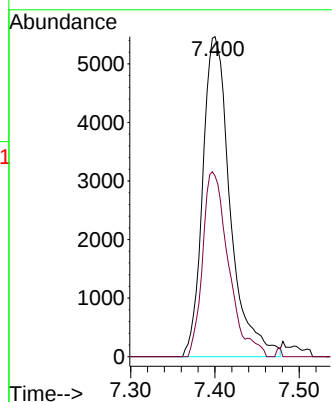
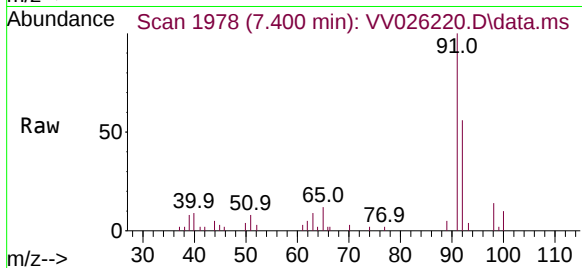
ClientSampleId :

Tgt Ion: 91 Resp: 12382

Ion Ratio Lower Upper

91 100

92 56.4 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.622 min Scan# 2047

Delta R.T. -0.029 min

Lab File: VV026220.D

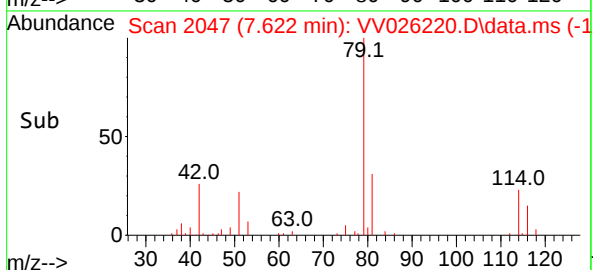
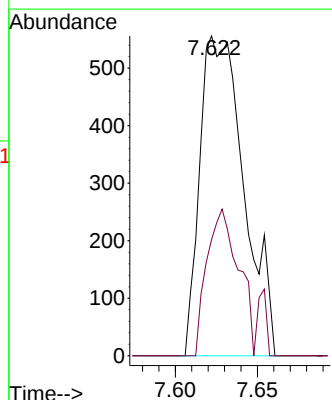
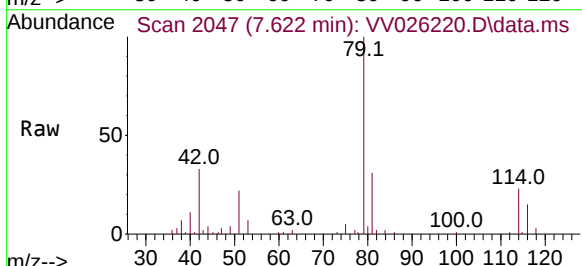
Acq: 13 Jun 2022 19:34

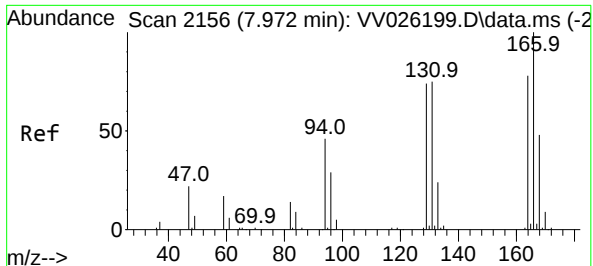
Tgt Ion: 75 Resp: 1036

Ion Ratio Lower Upper

75 100

77 36.3 22.3 41.3





#47

Tetrachloroethene

Concen: 0.785 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.006 min

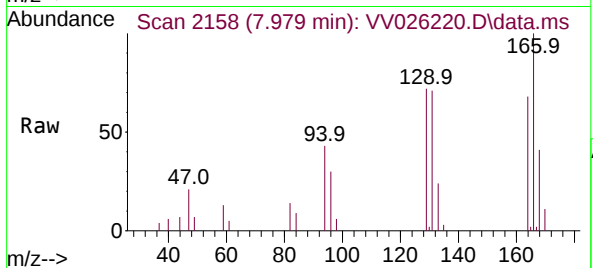
Lab File: VV026220.D

Acq: 13 Jun 2022 19:34

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 7366

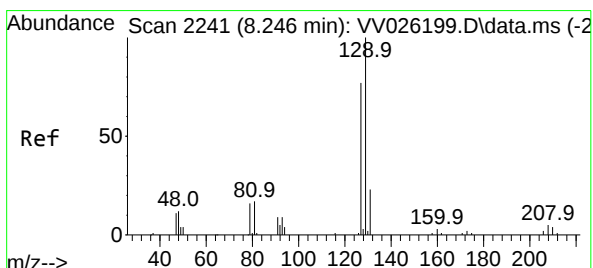
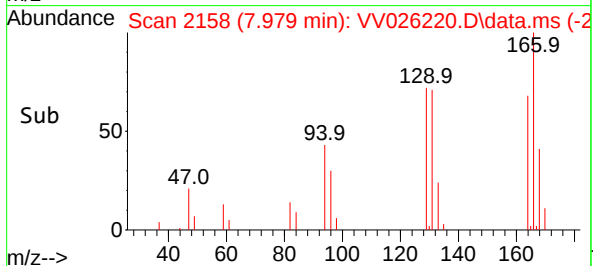
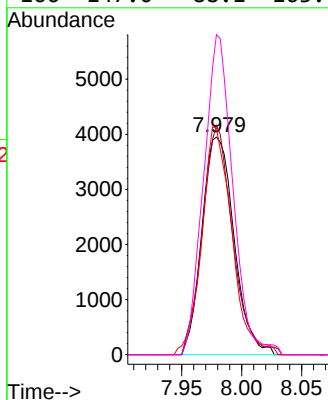
Ion Ratio Lower Upper

164 100

129 105.3 66.1 122.7

131 104.0 65.0 120.6

166 147.0 88.1 163.7



#49

Dibromochloromethane

Concen: 0.842 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV026220.D

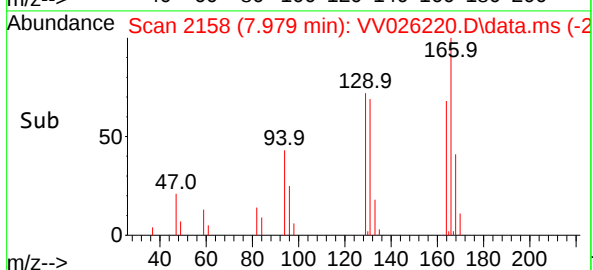
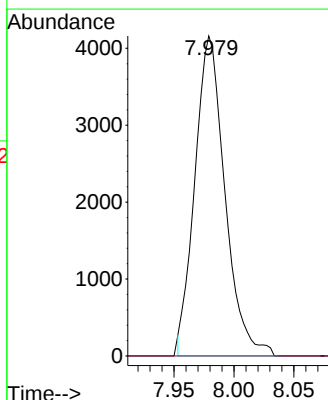
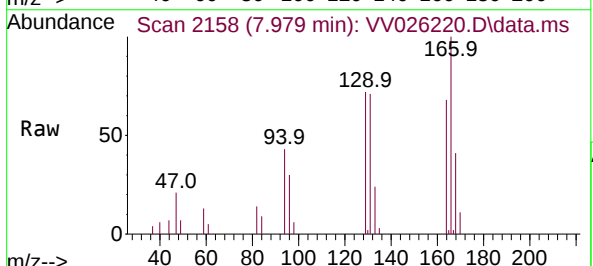
Acq: 13 Jun 2022 19:34

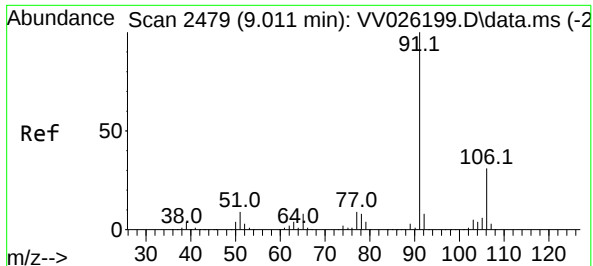
Tgt Ion:129 Resp: 7247

Ion Ratio Lower Upper

129 100

127 0.0 50.9 94.5#





#52

Ethylbenzene

Concen: 0.056 ug/L

RT: 9.021 min Scan# 2479

Delta R.T. 0.010 min

Lab File: VV026220.D

Acq: 13 Jun 2022 19:34

Instrument :

MSVOA_V

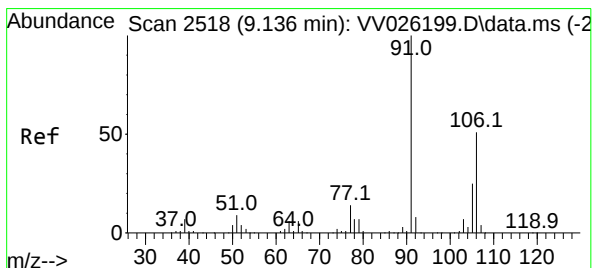
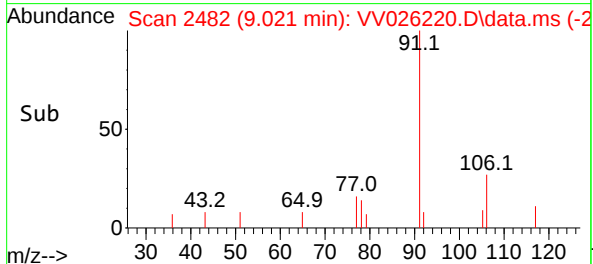
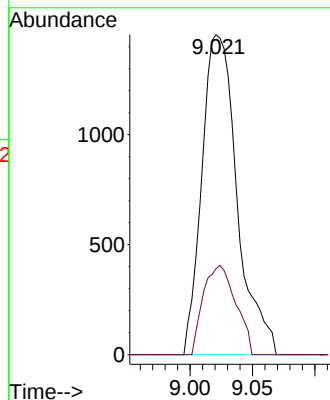
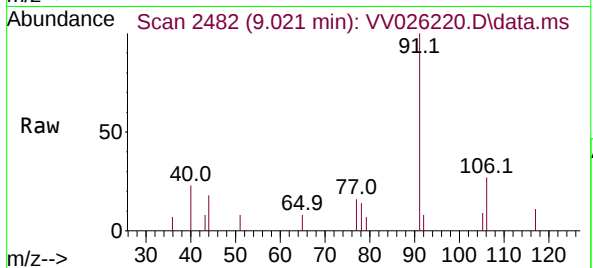
ClientSampleId :

Tgt Ion: 91 Resp: 2860

Ion Ratio Lower Upper

91 100

106 26.9 22.3 41.3



#53

m,p-Xylene

Concen: 0.242 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.006 min

Lab File: VV026220.D

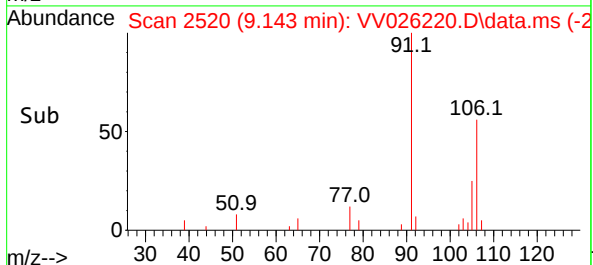
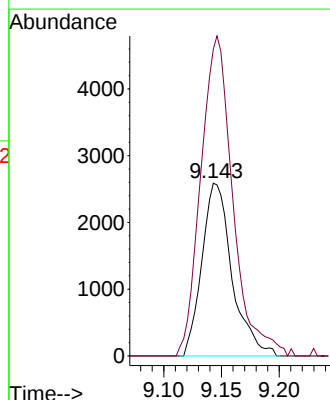
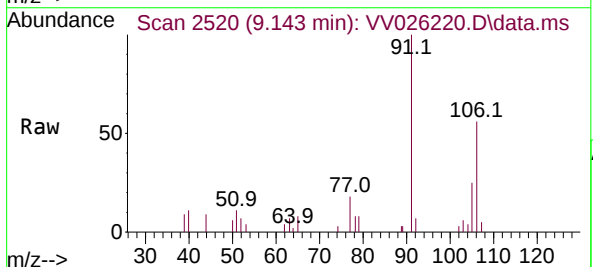
Acq: 13 Jun 2022 19:34

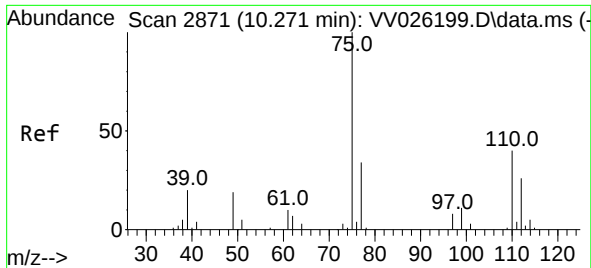
Tgt Ion: 106 Resp: 4708

Ion Ratio Lower Upper

106 100

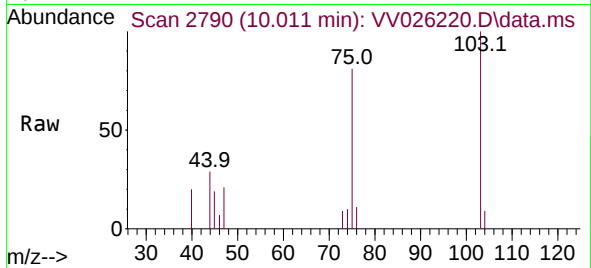
91 177.6 142.0 263.8





#61
 1,2,3-Trichloropropane
 Concen: 0.553 ug/L
 RT: 10.011 min Scan# 21
 Delta R.T. -0.260 min
 Lab File: VV026220.D
 Acq: 13 Jun 2022 19:34

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75	Resp:	2789
Ion Ratio	Lower	Upper
75	100	
77	0.0	27.8
110	0.0	33.0
		41.8#
		49.4#

