

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061322\
 Data File : VW026213.D
 Acq On : 13 Jun 2022 16:46
 Operator : SY/MD
 Sample : N3272-14
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 14 02:40:18 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	165643	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	160066	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	65339	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.314	65	94520	4.363	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	87.200%	
7) Chloroethane-d5	1.577	69	75410	4.420	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	88.400%	
11) 1,1-Dichloroethene-d2	2.114	63	122759	3.524	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	70.400%	
20) 2-Butanone-d5	3.908	46	106340	65.802	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	131.600%#	
24) Chloroform-d	4.355	84	142284	4.632	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	92.600%	
26) 1,2-Dichloroethane-d4	5.040	65	62109	5.015	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.200%	
32) Benzene-d6	5.056	84	276372	4.429	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.600%	
36) 1,2-Dichloropropane-d6	6.072	67	87926	4.886	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	97.800%	
41) Toluene-d8	7.317	98	227505	4.094	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	81.800%	
43) trans-1,3-Dichloroprop...	7.628	79	24485	4.508	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	90.200%	
46) 2-Hexanone-d5	8.091	63	88331	52.232	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	104.460%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	53437	4.984	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	99.600%	
66) 1,2-Dichlorobenzene-d4	11.625	152	72454	4.947	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	99.000%	
Target Compounds						
5) Vinyl chloride	1.320	62	863	0.050	ug/L #	1
9) Trichlorofluoromethane	1.761	101	349249	14.983	ug/L	98
12) 1,1-Dichloroethene	2.114	96	1033	0.082	ug/L #	1
18) trans-1,2-Dichloroethene	2.770	96	1556	0.128	ug/L	97
19) 1,1-Dichloroethane	3.204	63	1687	0.072	ug/L	96
22) cis-1,2-Dichloroethene	3.928	96	6268	0.513	ug/L	80
25) Chloroform	4.384	83	13925	0.572	ug/L	96
31) Carbon tetrachloride	4.831	117	1357	0.080	ug/L #	58
34) Trichloroethene	5.915	95	1007346	77.046	ug/L	99
35) Methylcyclohexane	6.072	83	20938	1.185	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	9526	0.760	ug/L #	91
38) Bromodichloromethane	6.526	83	1158	0.078	ug/L #	76
39) cis-1,3-Dichloropropene	6.992	75	1867	0.133	ug/L #	69
44) trans-1,3-Dichloropropene	7.625	75	854	0.078	ug/L #	68
45) 1,1,2-Trichloroethane	7.854	97	3543	0.449	ug/L	91
47) Tetrachloroethene	7.976	164	18673	1.989	ug/L	97
49) Dibromochloromethane	7.976	129	18764	2.178	ug/L #	13
61) 1,2,3-Trichloropropane	11.249	75	7838	1.564	ug/L #	63
68) 1,2-Dibromo-3-chloropr...	12.249	75	297	0.338	ug/L #	4

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jun 14 02:36:38 2022
Response via : Initial Calibration

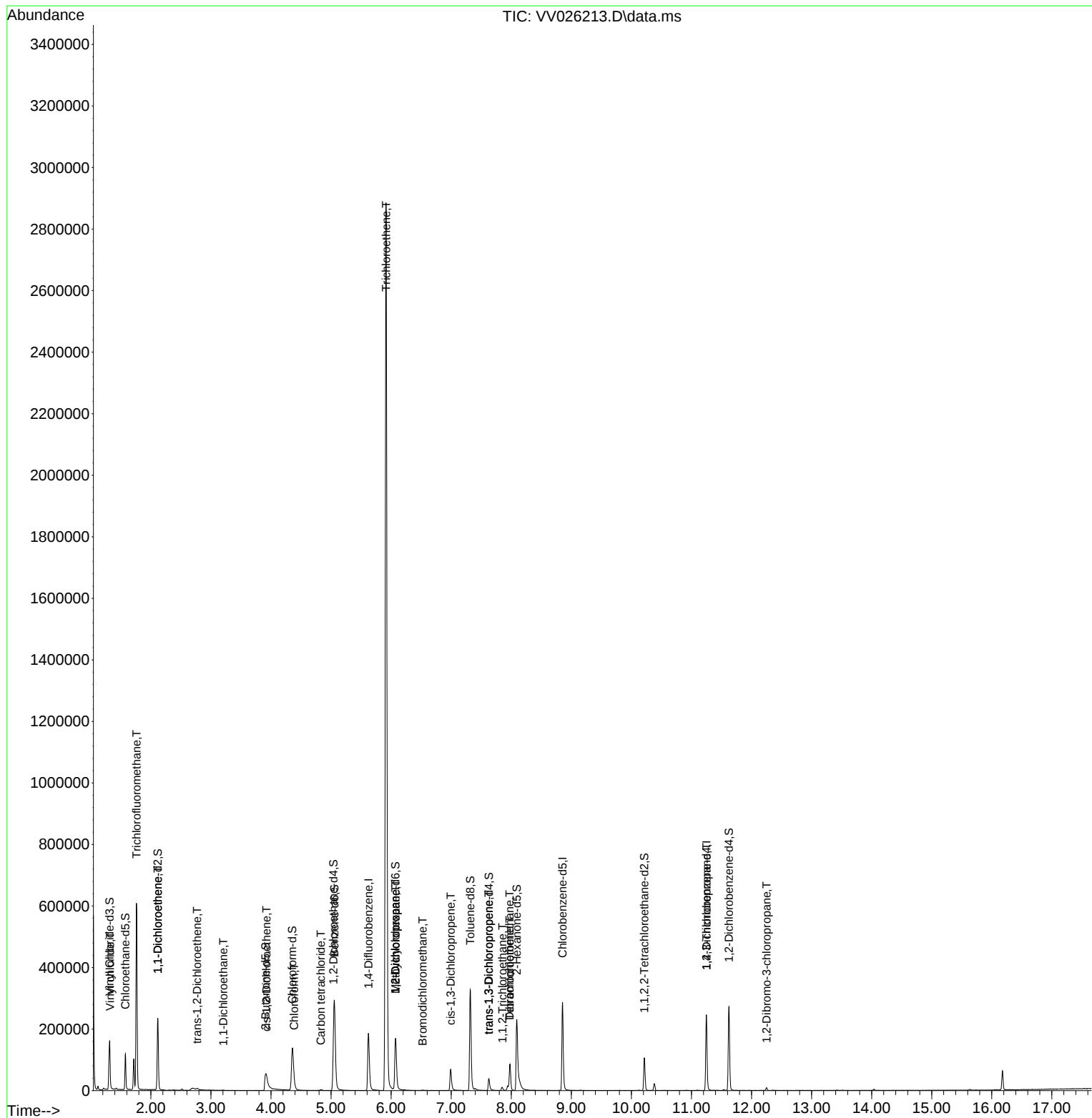
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

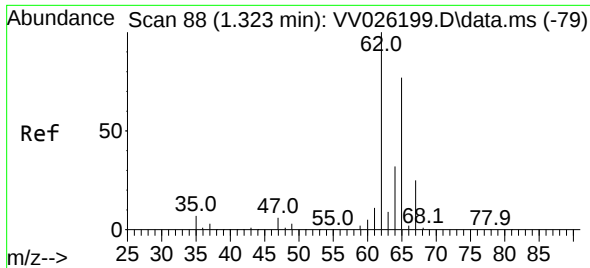
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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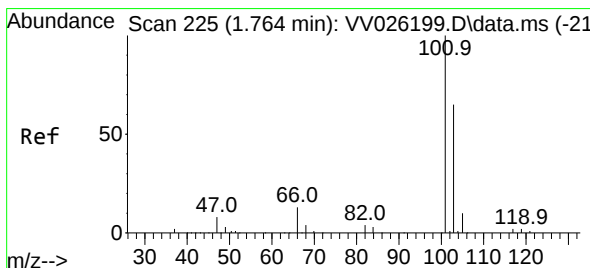
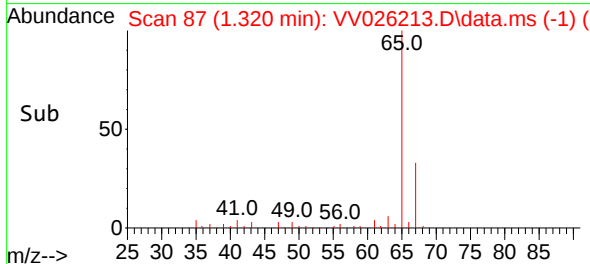
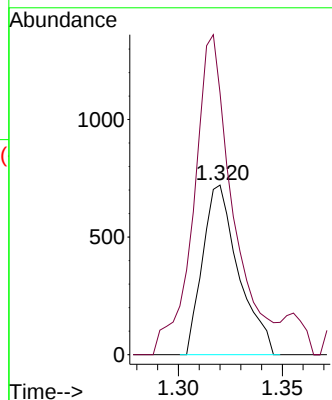
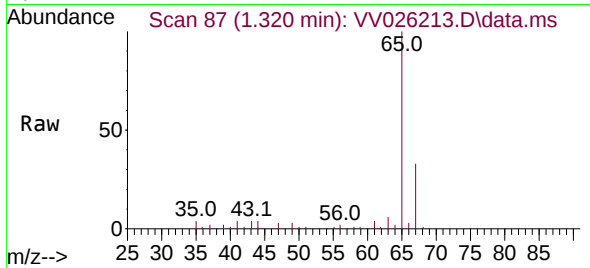




#5
 Vinyl chloride
 Concen: 0.050 ug/L
 RT: 1.320 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VV026213.D
 Acq: 13 Jun 2022 16:46

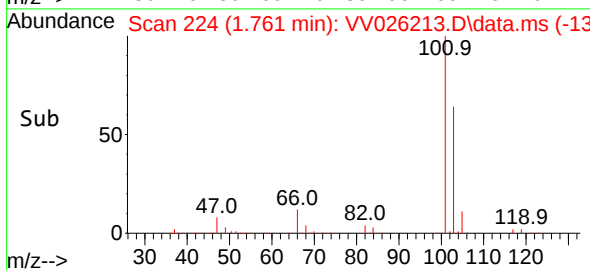
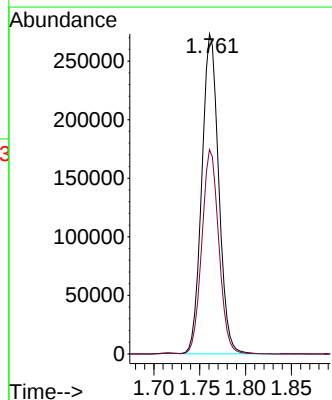
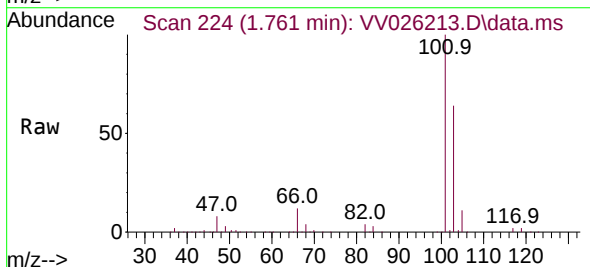
Instrument :
 MSVOA_V
 ClientSampleId :

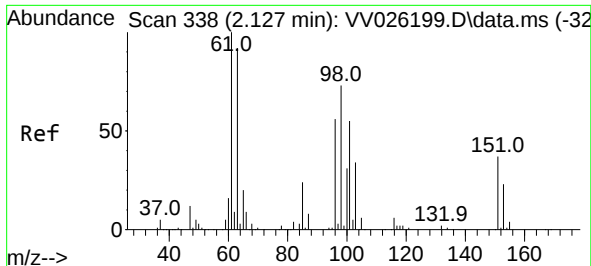
Tgt Ion: 62 Resp: 863
 Ion Ratio Lower Upper
 62 100
 64 154.4 23.2 43.2#



#9
 Trichlorofluoromethane
 Concen: 14.983 ug/L
 RT: 1.761 min Scan# 224
 Delta R.T. -0.003 min
 Lab File: VV026213.D
 Acq: 13 Jun 2022 16:46

Tgt Ion: 101 Resp: 349249
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.9 79.3

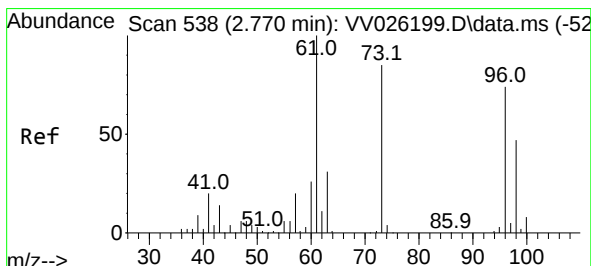
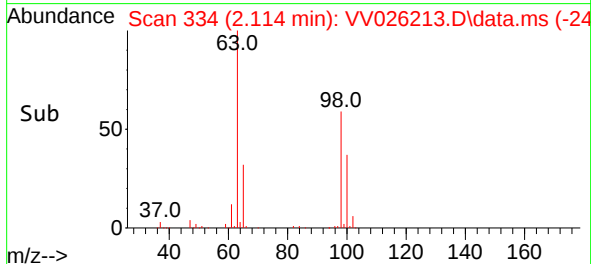
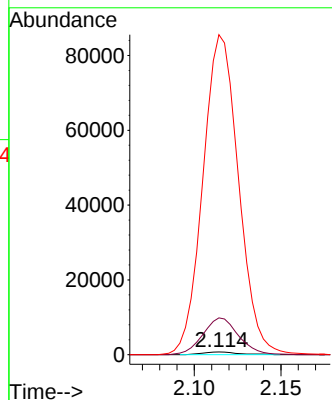
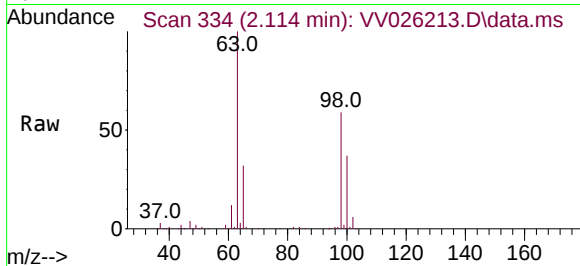




#12
1,1-Dichloroethene
Concen: 0.082 ug/L
RT: 2.114 min Scan# 31
Delta R.T. -0.013 min
Lab File: VV026213.D
Acq: 13 Jun 2022 16:46

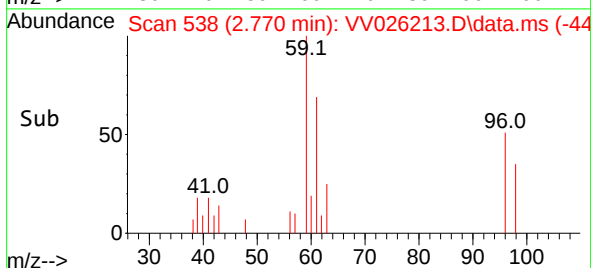
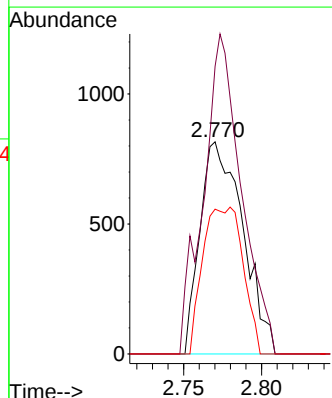
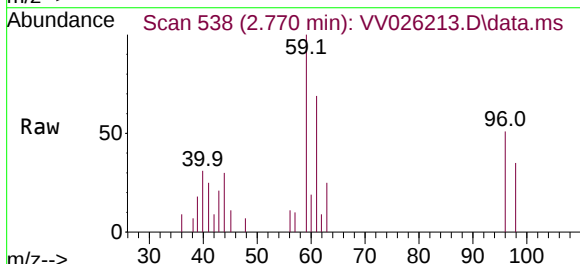
Instrument :
MSVOA_V
ClientSampleId :

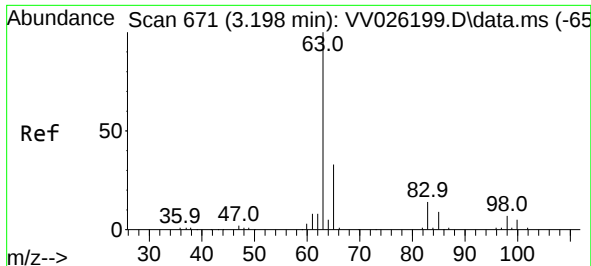
Tgt Ion: 96 Resp: 1033
Ion Ratio Lower Upper
96 100
61 1344.2 120.5 223.7#
63 11672.6 129.3 240.1#



#18
trans-1,2-Dichloroethene
Concen: 0.128 ug/L
RT: 2.770 min Scan# 538
Delta R.T. -0.000 min
Lab File: VV026213.D
Acq: 13 Jun 2022 16:46

Tgt Ion: 96 Resp: 1556
Ion Ratio Lower Upper
96 100
61 135.5 93.5 173.7
98 68.3 44.7 83.1





#19

1,1-Dichloroethane

Concen: 0.072 ug/L

RT: 3.204 min Scan# 61

Delta R.T. 0.006 min

Lab File: VV026213.D

Acq: 13 Jun 2022 16:46

Instrument :

MSVOA_V

ClientSampleId :

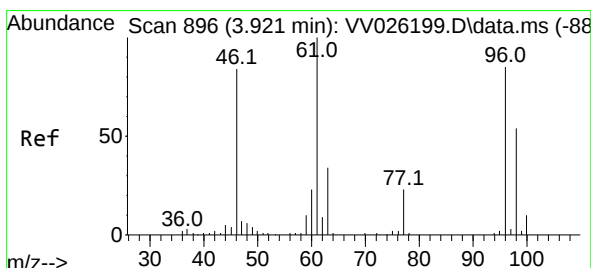
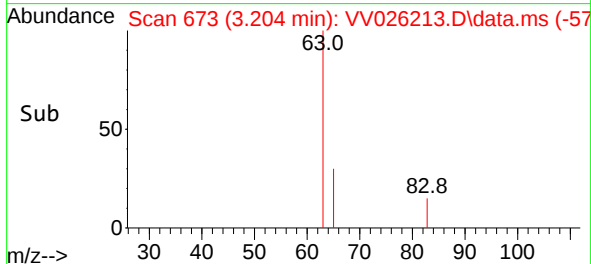
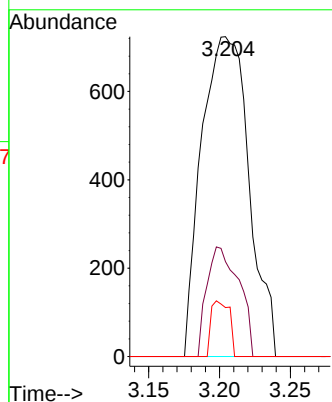
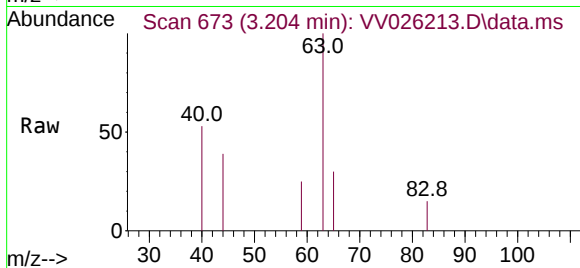
Tgt Ion: 63 Resp: 1687

Ion Ratio Lower Upper

63 100

65 29.7 22.1 41.1

83 15.3 9.5 17.7



#22

cis-1,2-Dichloroethene

Concen: 0.513 ug/L

RT: 3.928 min Scan# 898

Delta R.T. 0.006 min

Lab File: VV026213.D

Acq: 13 Jun 2022 16:46

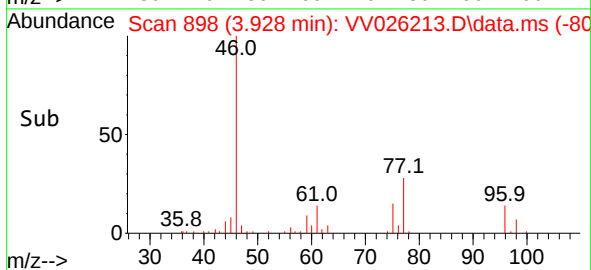
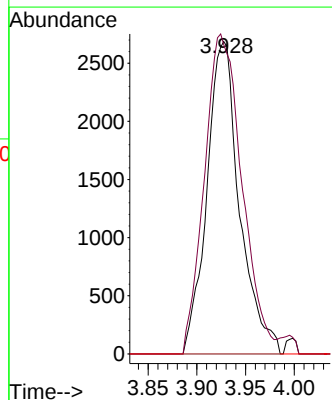
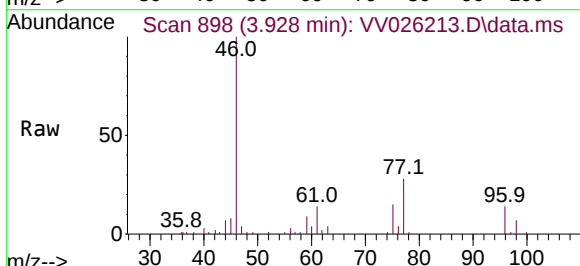
Tgt Ion: 96 Resp: 6268

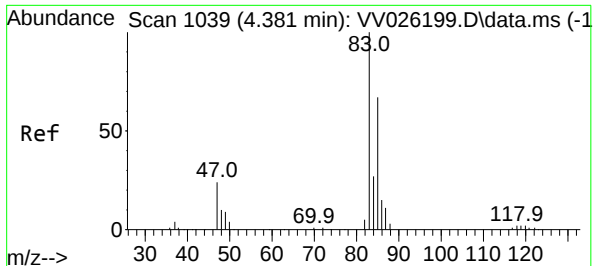
Ion Ratio Lower Upper

96 100

61 99.0 85.2 158.2

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.572 ug/L

RT: 4.384 min Scan# 1040

Delta R.T. 0.003 min

Lab File: VV026213.D

Acq: 13 Jun 2022 16:46

Instrument :

MSVOA_V

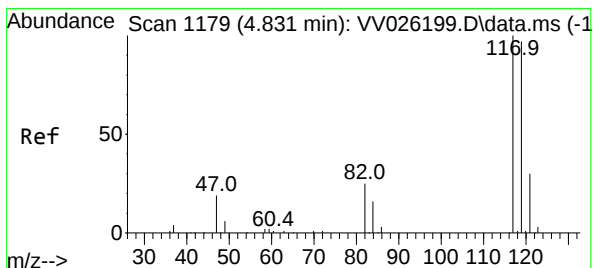
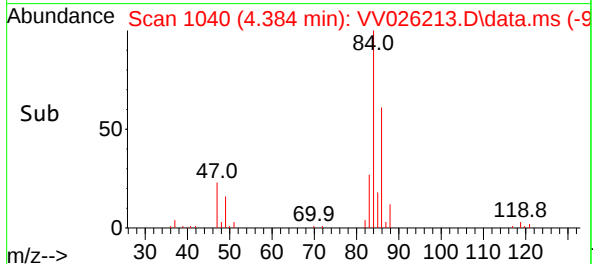
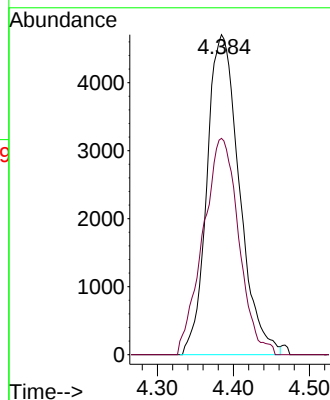
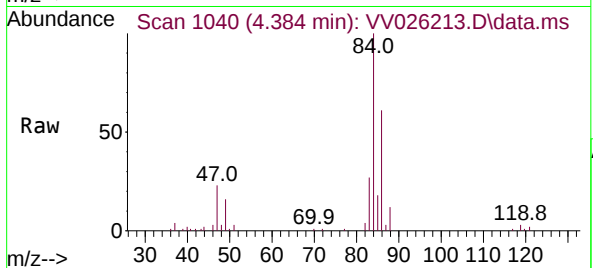
ClientSampleId :

Tgt Ion: 83 Resp: 13925

Ion Ratio Lower Upper

83 100

85 67.6 45.3 84.1



#31

Carbon tetrachloride

Concen: 0.080 ug/L

RT: 4.831 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VV026213.D

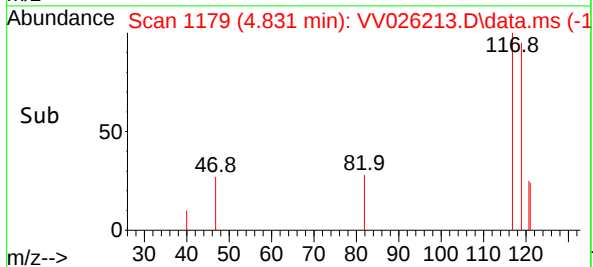
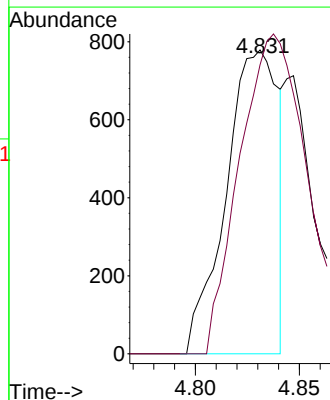
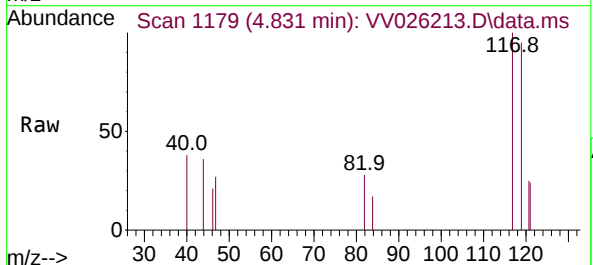
Acq: 13 Jun 2022 16:46

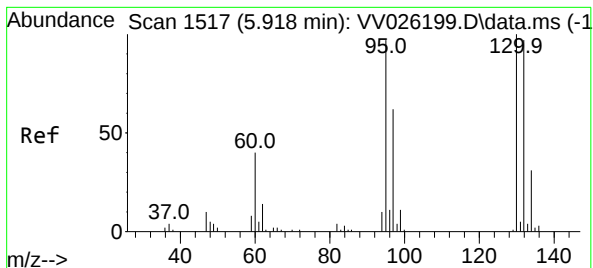
Tgt Ion: 117 Resp: 1357

Ion Ratio Lower Upper

117 100

119 138.2 77.8 116.8#





#34

Trichloroethene

Concen: 77.046 ug/L

RT: 5.915 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV026213.D

Acq: 13 Jun 2022 16:46

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 1007346

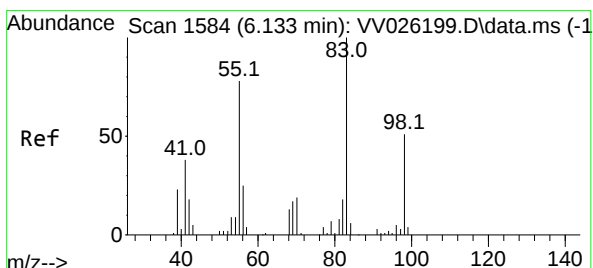
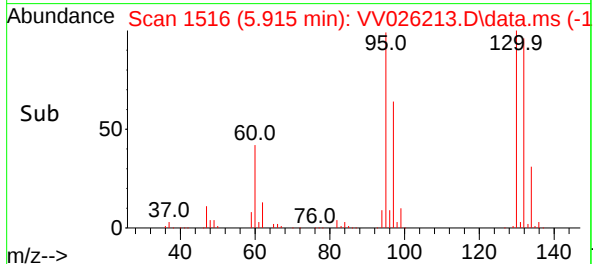
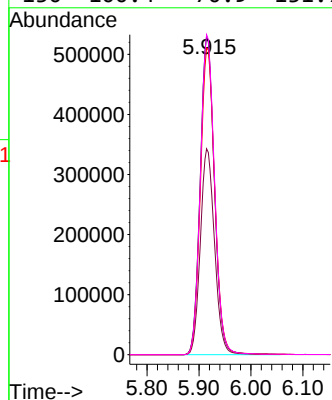
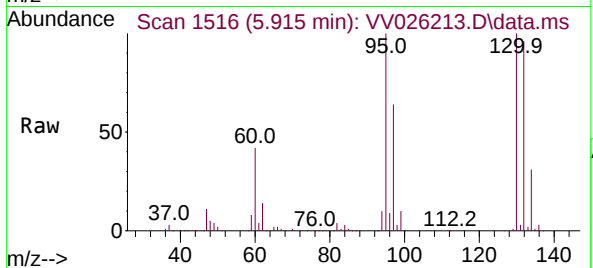
Ion Ratio Lower Upper

95 100

97 64.6 43.3 80.3

132 96.3 67.5 125.4

130 100.4 70.9 131.7



#35

Methylcyclohexane

Concen: 1.185 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV026213.D

Acq: 13 Jun 2022 16:46

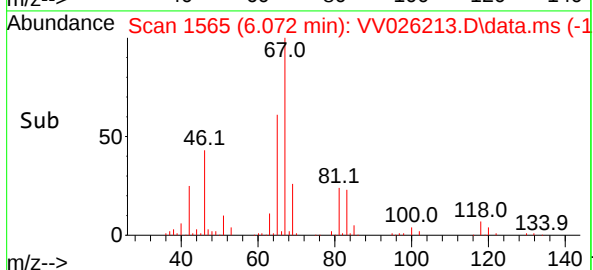
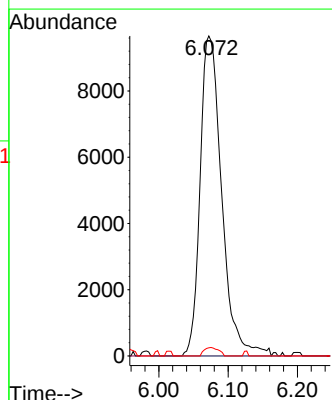
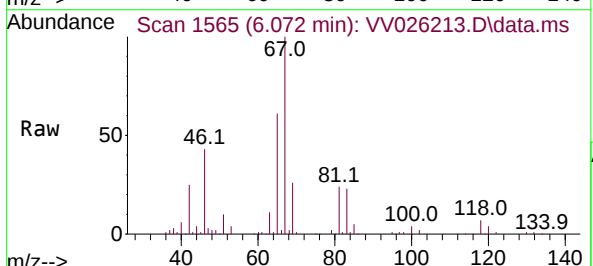
Tgt Ion: 83 Resp: 20938

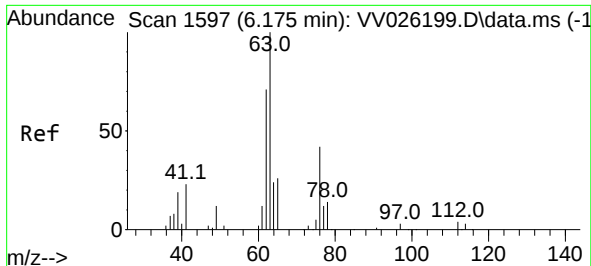
Ion Ratio Lower Upper

83 100

55 0.0 59.5 89.3#

98 0.0 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 0.760 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.103 min

Lab File: VV026213.D

Acq: 13 Jun 2022 16:46

Instrument :

MSVOA_V

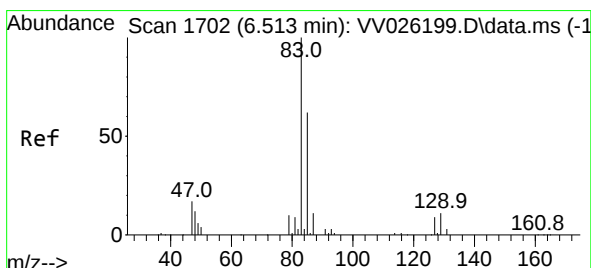
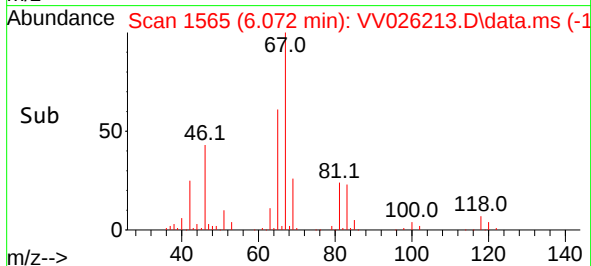
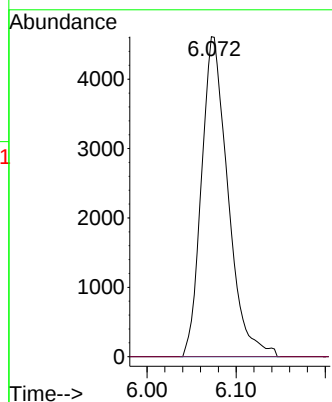
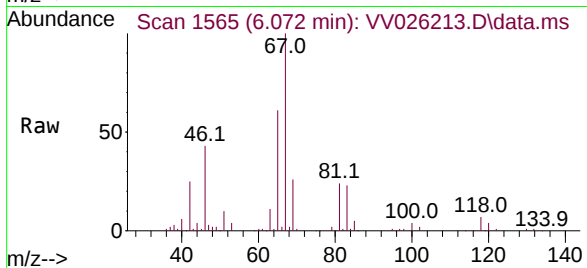
ClientSampleId :

Tgt Ion: 63 Resp: 9526

Ion Ratio Lower Upper

63 100

112 1.8 3.9 5.9#



#38

Bromodichloromethane

Concen: 0.078 ug/L

RT: 6.526 min Scan# 1706

Delta R.T. 0.013 min

Lab File: VV026213.D

Acq: 13 Jun 2022 16:46

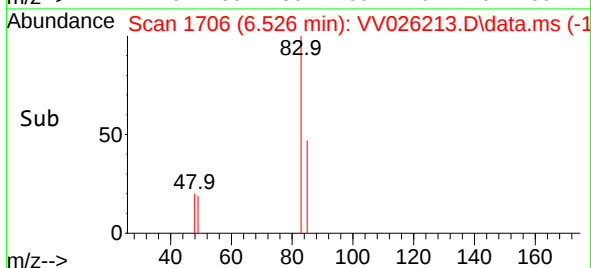
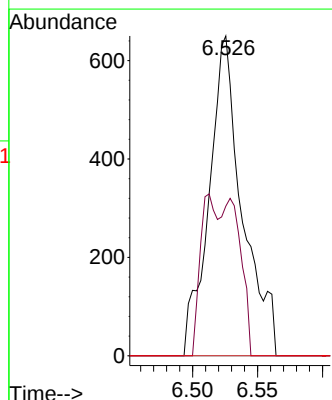
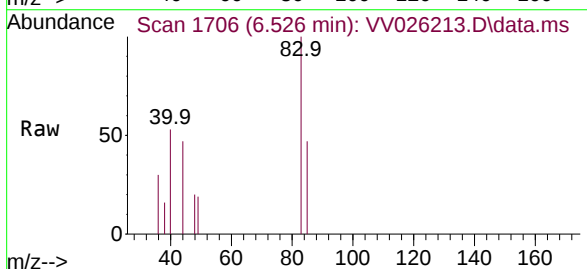
Tgt Ion: 83 Resp: 1158

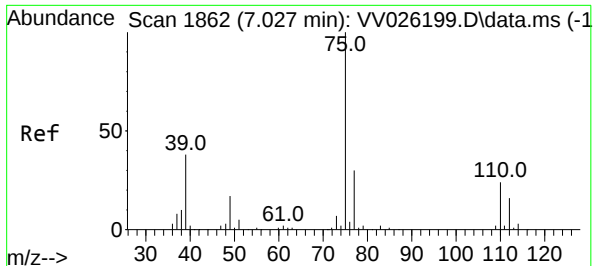
Ion Ratio Lower Upper

83 100

85 46.8 46.0 85.4

127 0.0 6.3 9.5#





#39

cis-1,3-Dichloropropene

Concen: 0.133 ug/L

RT: 6.992 min Scan# 1867

Delta R.T. -0.035 min

Lab File: VV026213.D

Acq: 13 Jun 2022 16:46

Instrument :

MSVOA_V

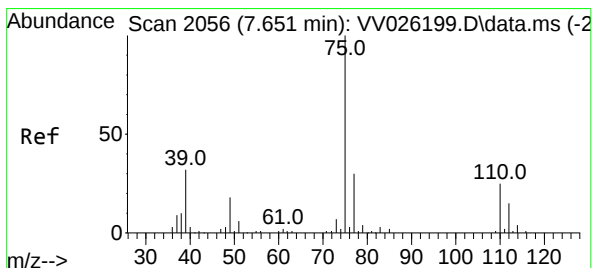
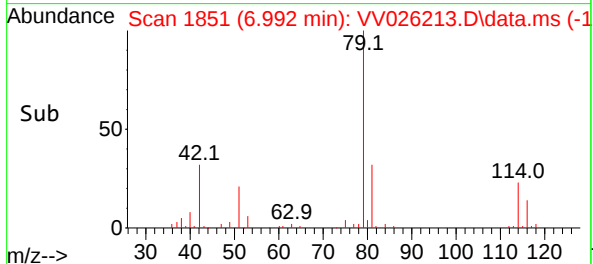
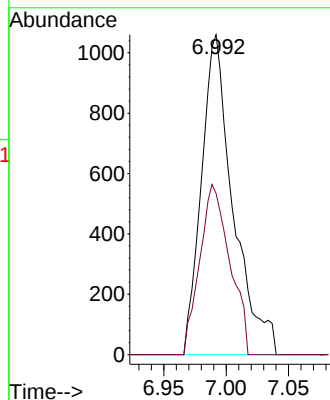
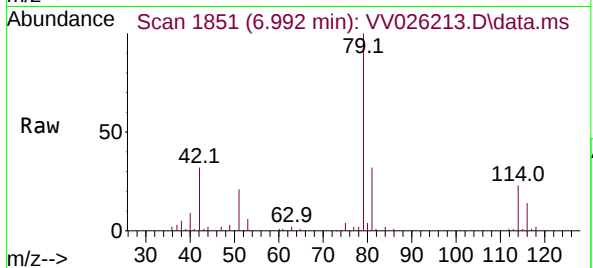
ClientSampleId :

Tgt Ion: 75 Resp: 1867

Ion Ratio Lower Upper

75 100

77 50.4 22.9 42.5#



#44

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.625 min Scan# 2048

Delta R.T. -0.026 min

Lab File: VV026213.D

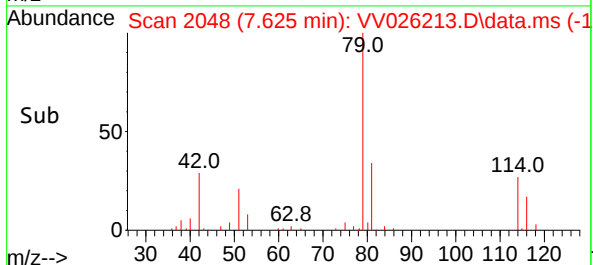
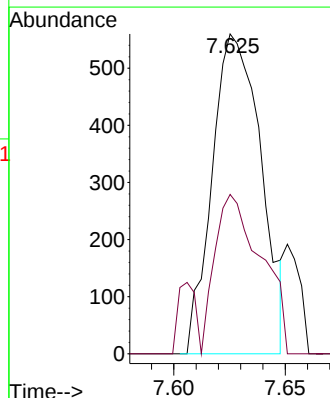
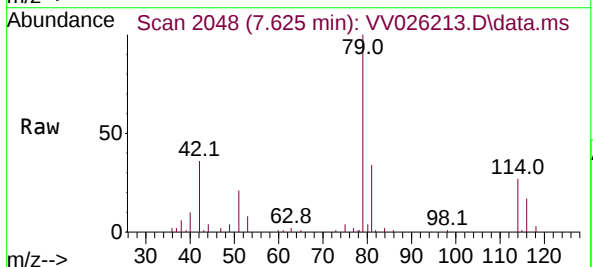
Acq: 13 Jun 2022 16:46

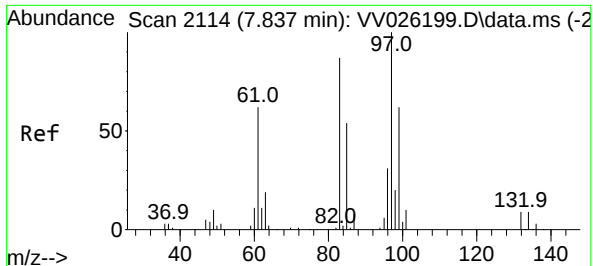
Tgt Ion: 75 Resp: 854

Ion Ratio Lower Upper

75 100

77 49.8 22.3 41.3#





#45

1,1,2-Trichloroethane

Concen: 0.449 ug/L

RT: 7.854 min Scan# 2119

Delta R.T. 0.016 min

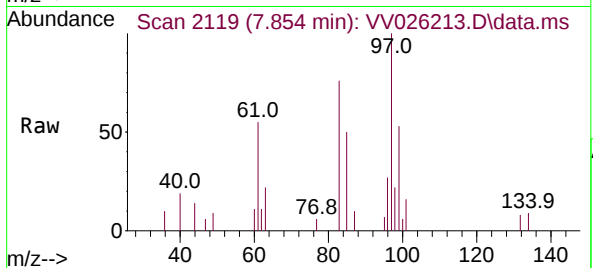
Lab File: VV026213.D

Acq: 13 Jun 2022 16:46

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 97 Resp: 3543

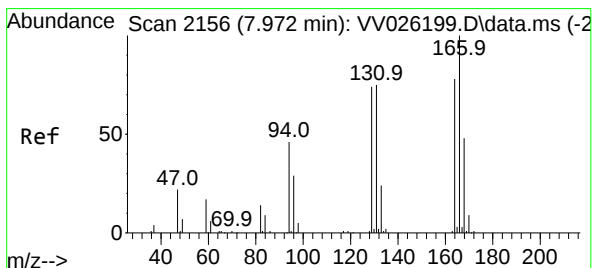
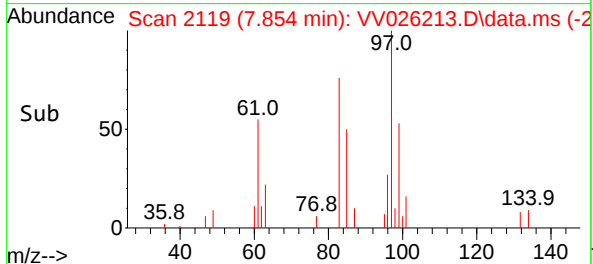
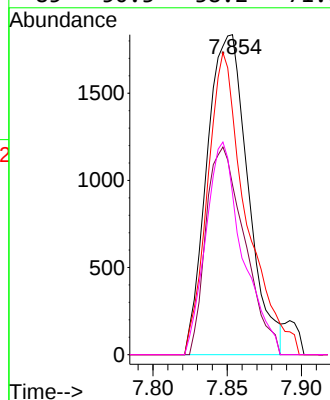
Ion Ratio Lower Upper

97 100

99 53.1 43.0 80.0

83 75.9 58.4 108.4

85 50.3 38.2 71.0



#47

Tetrachloroethene

Concen: 1.989 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV026213.D

Acq: 13 Jun 2022 16:46

Tgt Ion: 164 Resp: 18673

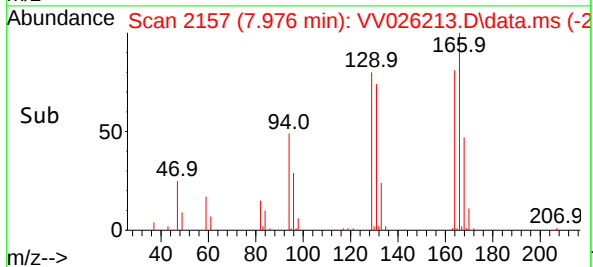
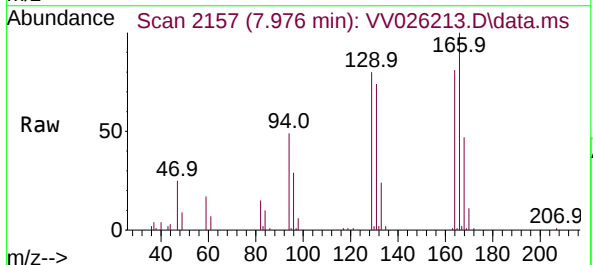
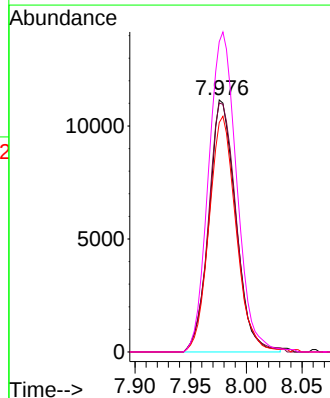
Ion Ratio Lower Upper

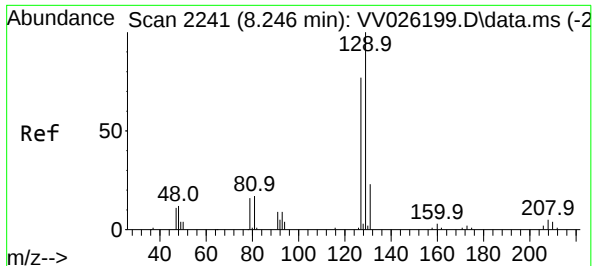
164 100

129 98.8 66.1 122.7

131 91.0 65.0 120.6

166 123.1 88.1 163.7





#49

Dibromochloromethane

Concen: 2.178 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.270 min

Lab File: VV026213.D

Acq: 13 Jun 2022 16:46

Instrument :

MSVOA_V

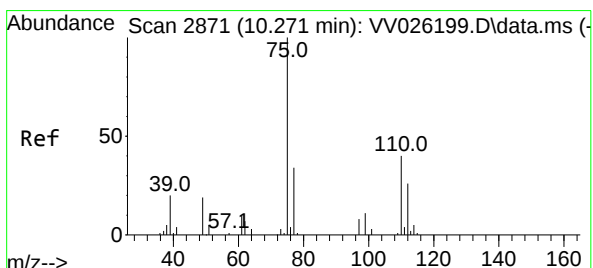
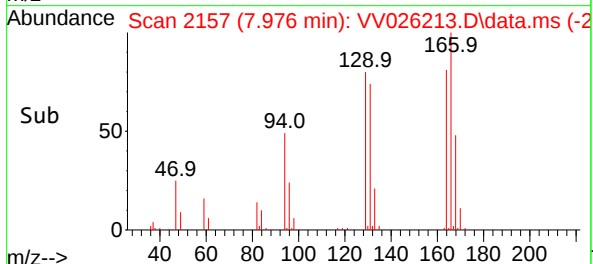
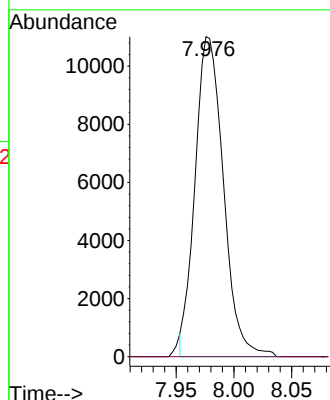
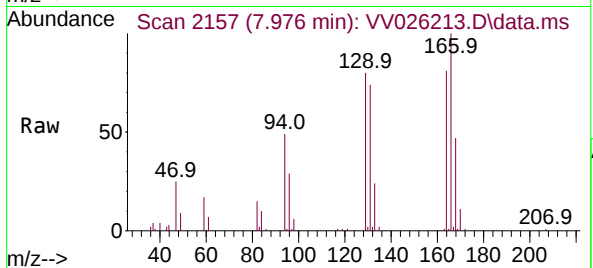
ClientSampleId :

Tgt Ion:129 Resp: 18764

Ion Ratio Lower Upper

129 100

127 0.0 50.9 94.5#



#61

1,2,3-Trichloropropane

Concen: 1.564 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV026213.D

Acq: 13 Jun 2022 16:46

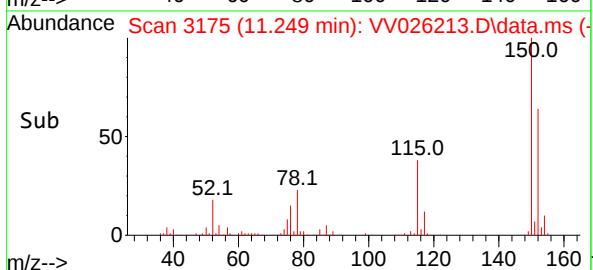
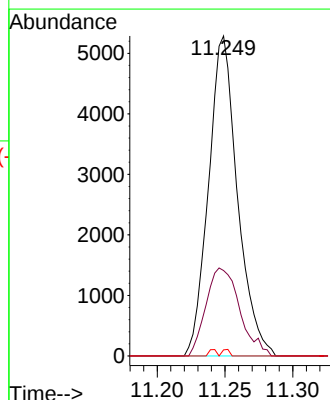
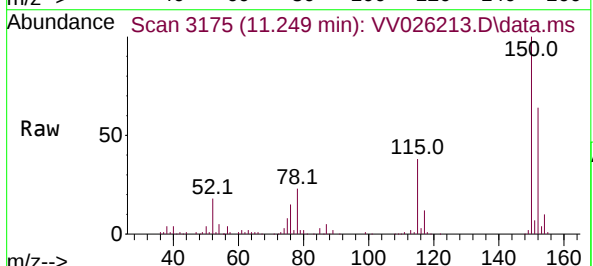
Tgt Ion: 75 Resp: 7838

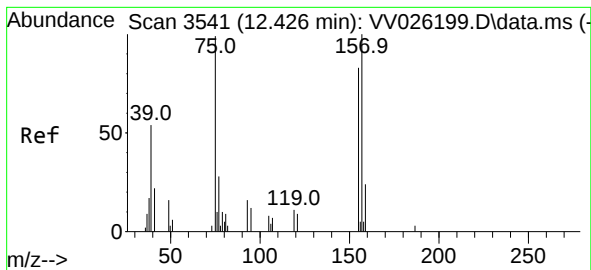
Ion Ratio Lower Upper

75 100

77 32.0 27.8 41.8

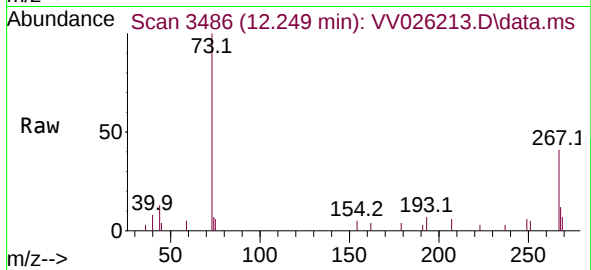
110 0.5 33.0 49.4#





#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.338 ug/L
 RT: 12.249 min Scan# 34
 Delta R.T. -0.177 min
 Lab File: VV026213.D
 Acq: 13 Jun 2022 16:46

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 75 Resp: 297
 Ion Ratio Lower Upper
 75 100
 155 0.0 67.0 100.6#
 157 0.0 77.7 116.5#

