

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW082423\
 Data File : VW031920.D
 Acq On : 24 Aug 2023 19:35
 Operator : SY/MD
 Sample : 04153-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Aug 25 01:01:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 25 00:56:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	117738	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	109051	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	57685	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	16778	4.219	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	84.400%	
7) Chloroethane-d5	1.535	69	21893	4.806	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	96.200%	
11) 1,1-Dichloroethene-d2	2.063	65	10535	4.501	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	90.000%	
20) 2-Butanone-d5	3.812	46	113689	59.061	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	118.120%	
24) Chloroform-d	4.259	84	65551	4.871	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	97.400%	
26) 1,2-Dichloroethane-d4	4.950	65	34139	4.923	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	98.400%	
32) Benzene-d6	4.966	84	121395	4.892	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	97.800%	
36) 1,2-Dichloropropane-d6	5.995	67	43493	4.970	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	99.400%	
41) Toluene-d8	7.249	98	111519	4.843	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.800%	
43) trans-1,3-Dichloroprop...	7.561	79	14668	4.597	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	92.000%	
46) 2-Hexanone-d5	8.030	63	93652	55.049	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	110.100%	
56) 1,1,2,2-Tetrachloroeth...	10.159	84	33556	5.345	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	107.000%	
66) 1,2-Dichlorobenzene-d4	11.564	152	44303	4.742	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	94.800%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	1880	0.280	ug/L	93
3) Chloromethane	1.217	50	790	0.110	ug/L	95
12) 1,1-Dichloroethene	2.072	96	17954	3.387	ug/L	88
17) Methyl tert-butyl Ether	2.715	73	2927	0.178	ug/L #	88
19) 1,1-Dichloroethane	3.117	63	19161	1.549	ug/L	98
22) cis-1,2-Dichloroethene	3.818	96	179535	25.942	ug/L	100
25) Chloroform	4.281	83	58200	4.614	ug/L	99
27) 1,2-Dichloroethane	5.066	62	1652	0.219	ug/L #	75
29) 1,1,1-Trichloroethane	4.522	97	2313	0.220	ug/L	93
31) Carbon tetrachloride	4.741	117	3791	0.445	ug/L	98
34) Trichloroethene	5.837	95	81876	11.152	ug/L	98
35) Methylcyclohexane	5.992	83	10529	0.985	ug/L #	19
37) 1,2-Dichloropropane	5.992	63	5130	0.741	ug/L #	87
47) Tetrachloroethene	7.918	164	617	0.132	ug/L	84
49) Dibromochloromethane	7.915	129	629	0.122	ug/L #	11
61) 1,2,3-Trichloropropane	11.191	75	7773	1.829	ug/L #	69

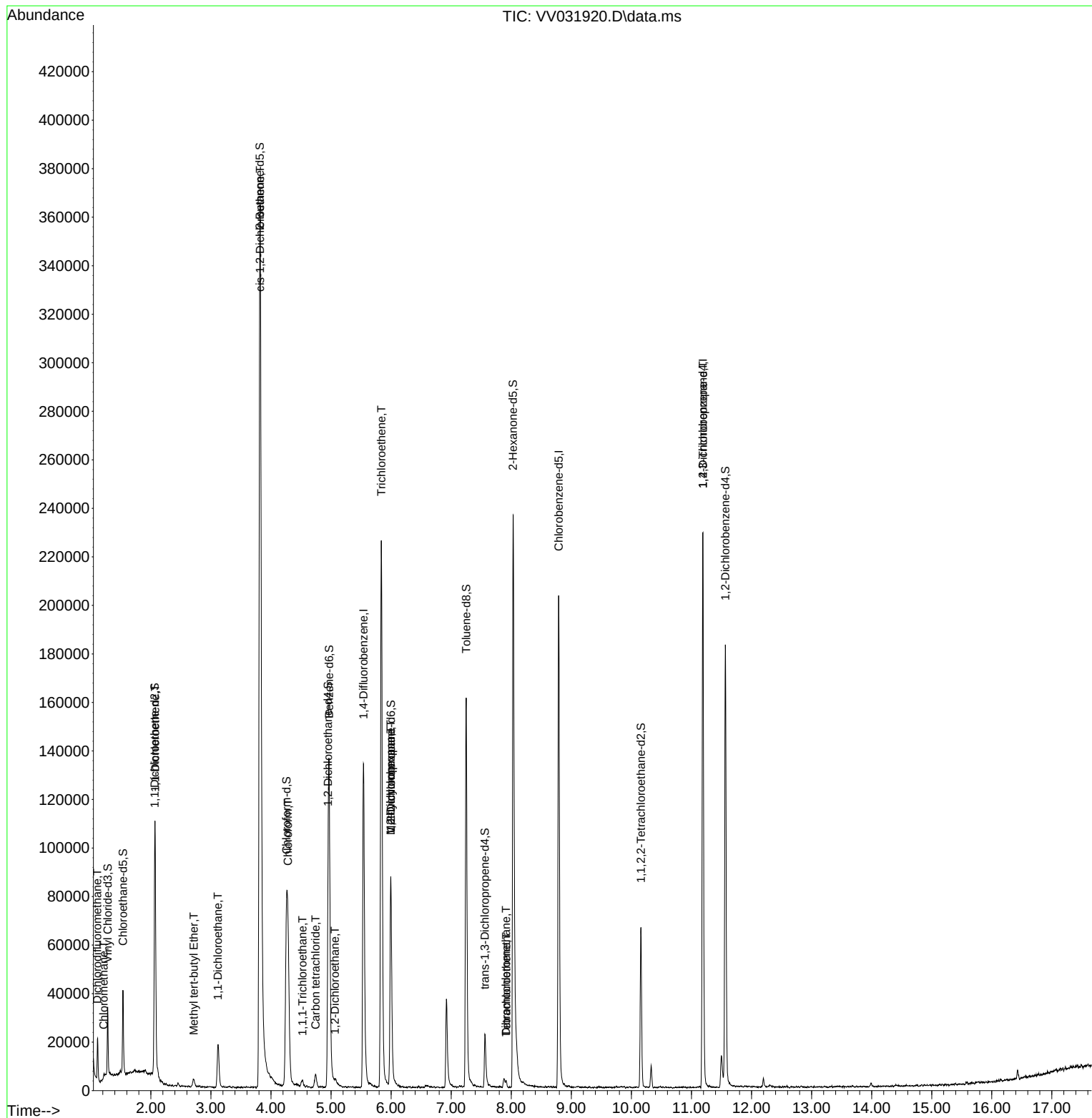
(#) = qualifier out of range (m) = manual integration (+) = signals summed

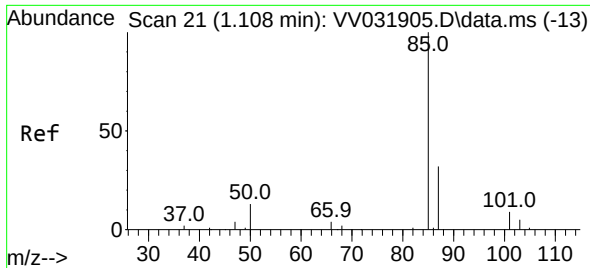
Instrument :
MSVOA_V
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082423\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Aug 25 00:56:34 2023
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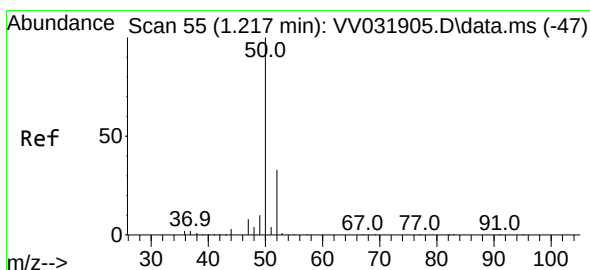
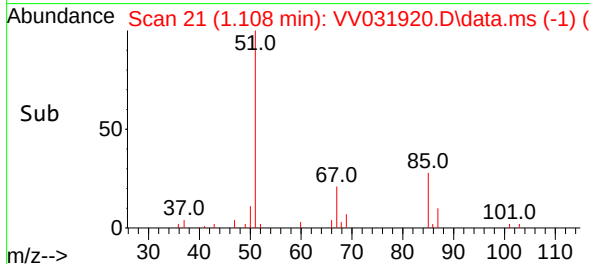
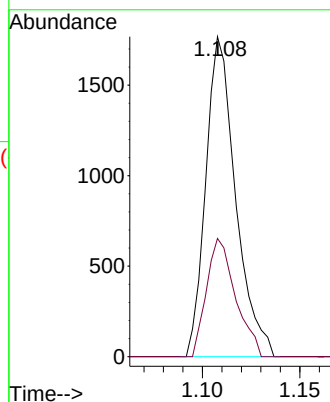
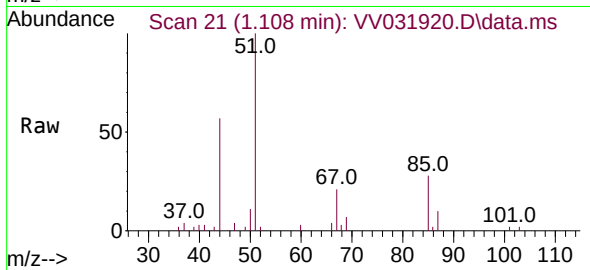




#2
 Dichlorodifluoromethane
 Concen: 0.280 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031920.D
 Acq: 24 Aug 2023 19:35

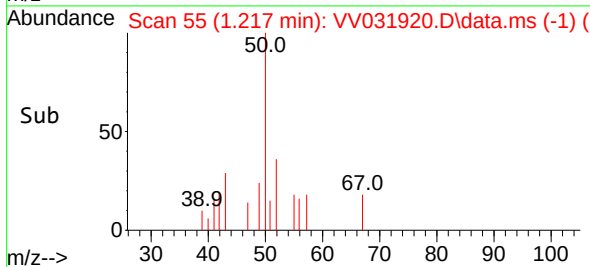
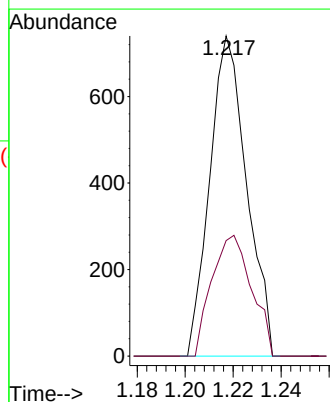
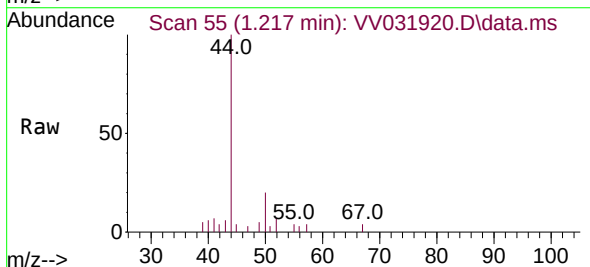
Instrument :
 MSVOA_V
 ClientSampleId :

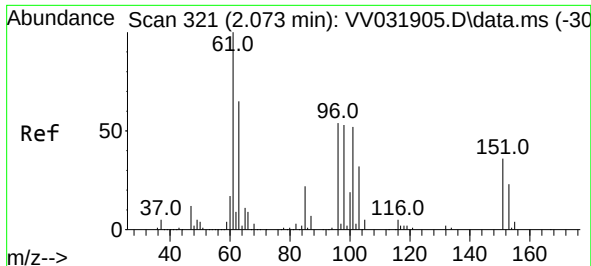
Tgt Ion: 85 Resp: 1880
 Ion Ratio Lower Upper
 85 100
 87 35.9 25.7 38.5



#3
 Chloromethane
 Concen: 0.110 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031920.D
 Acq: 24 Aug 2023 19:35

Tgt Ion: 50 Resp: 790
 Ion Ratio Lower Upper
 50 100
 52 36.1 23.3 43.3





#12

1,1-Dichloroethene

Concen: 3.387 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

Instrument :

MSVOA_V

ClientSampleId :

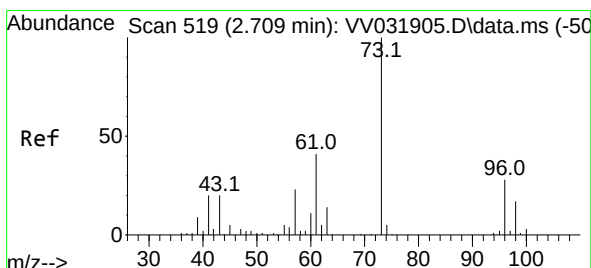
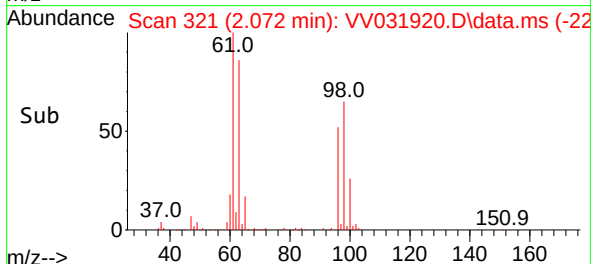
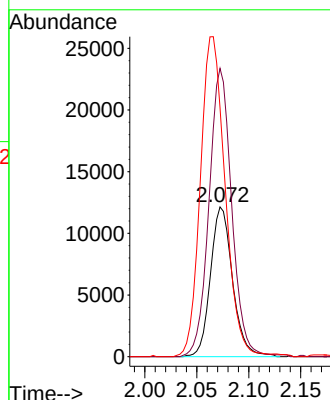
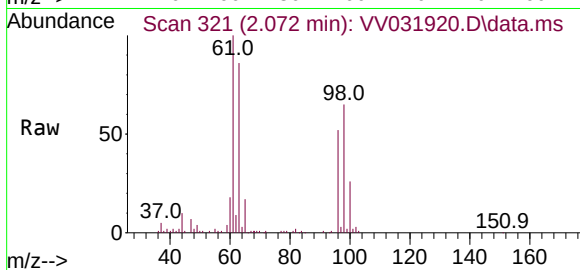
Tgt Ion: 96 Resp: 17954

Ion Ratio Lower Upper

96 100

61 192.6 129.0 239.6

63 166.2 99.0 183.8



#17

Methyl tert-butyl Ether

Concen: 0.178 ug/L

RT: 2.715 min Scan# 521

Delta R.T. 0.006 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

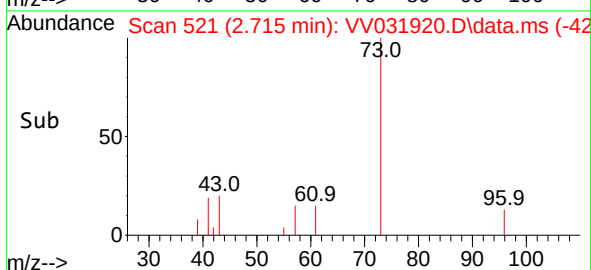
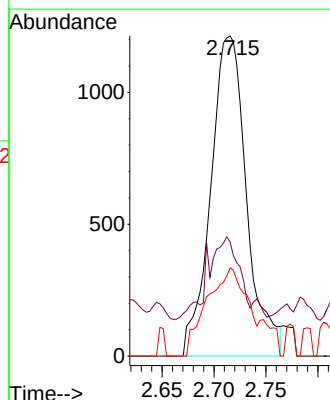
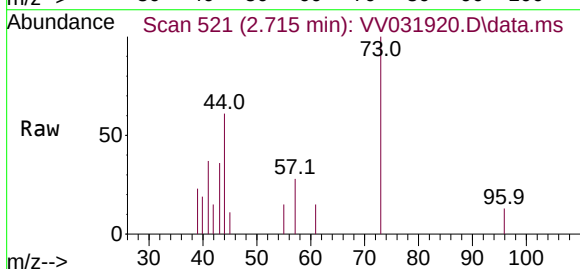
Tgt Ion: 73 Resp: 2927

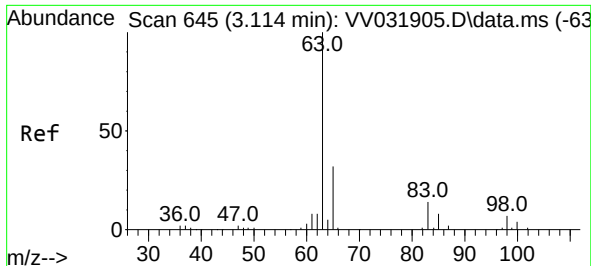
Ion Ratio Lower Upper

73 100

43 22.5 15.6 23.4

57 30.3 17.8 26.8#





#19

1,1-Dichloroethane

Concen: 1.549 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031920.D

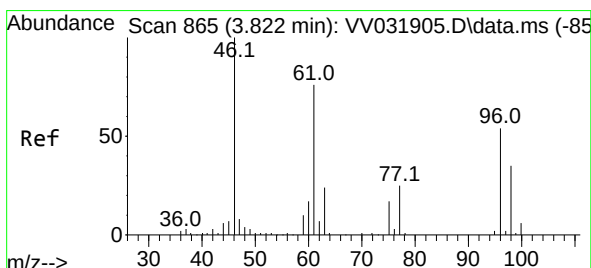
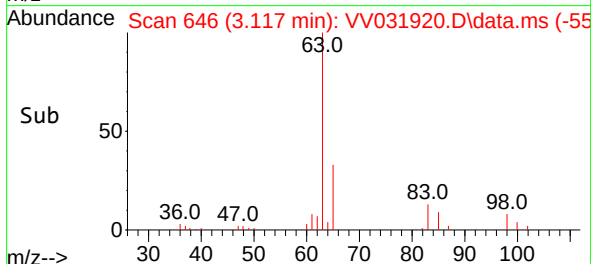
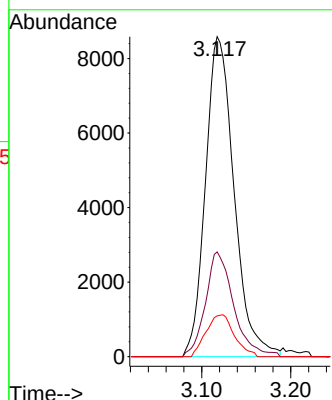
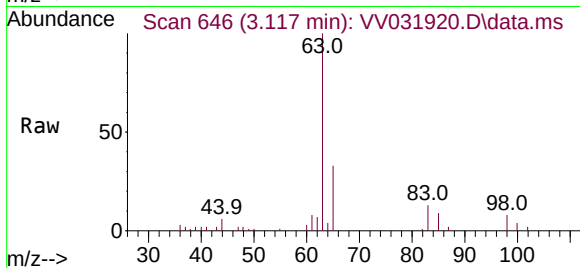
Acq: 24 Aug 2023 19:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	63	Resp:	19161
Ion Ratio	Lower	Upper	
63	100		
65	32.7	21.9	40.7
83	12.7	9.2	17.2



#22

cis-1,2-Dichloroethene

Concen: 25.942 ug/L

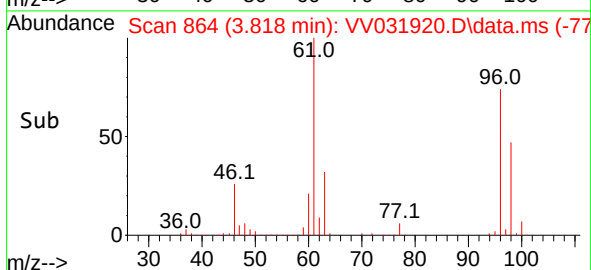
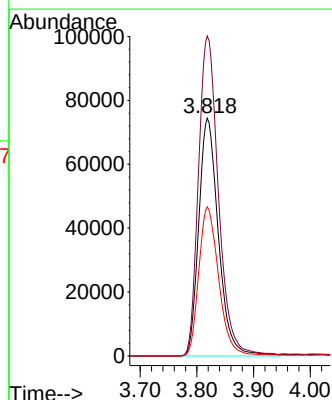
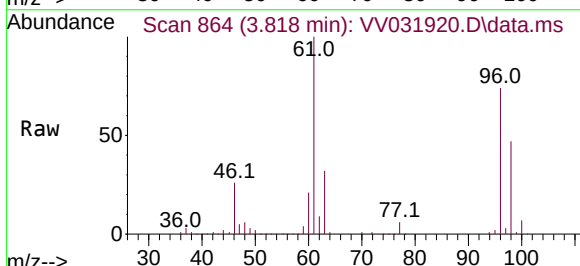
RT: 3.818 min Scan# 864

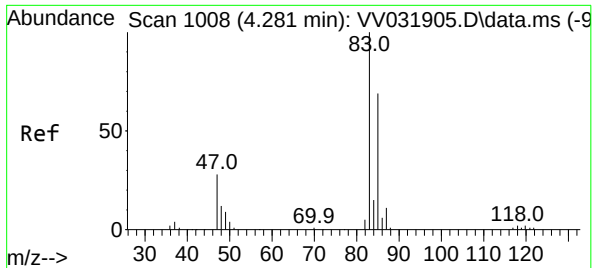
Delta R.T. -0.003 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

Tgt Ion:	96	Resp:	179535
Ion Ratio	Lower	Upper	
96	100		
61	134.6	94.1	174.8
98	62.7	43.8	81.4

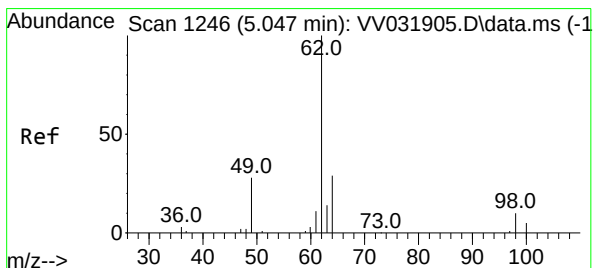
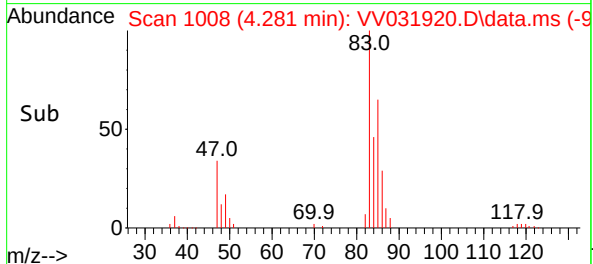
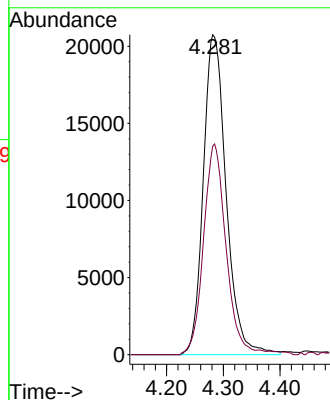
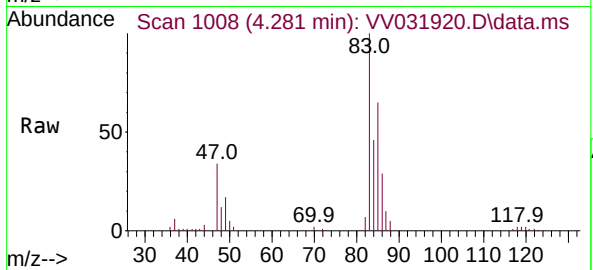




#25
Chloroform
Concen: 4.614 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. -0.000 min
Lab File: VV031920.D
Acq: 24 Aug 2023 19:35

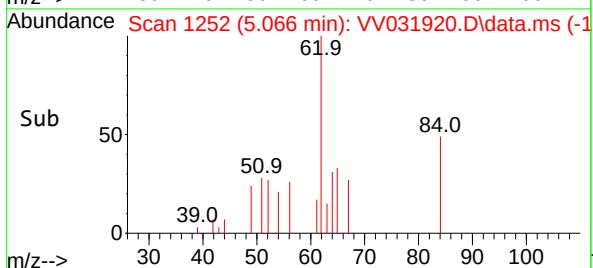
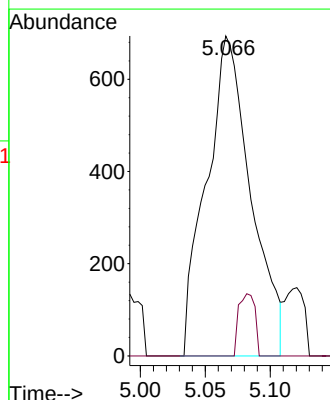
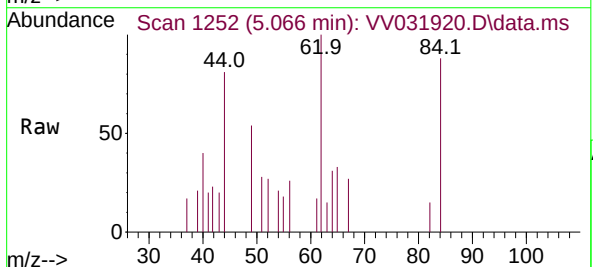
Instrument :
MSVOA_V
ClientSampleId :

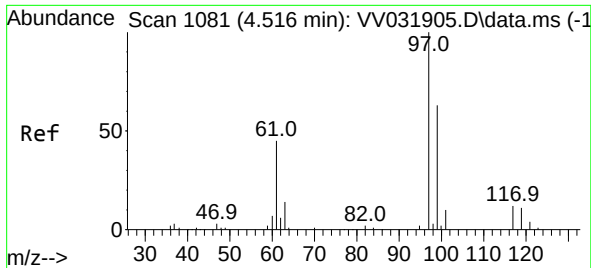
Tgt Ion: 83 Resp: 58200
Ion Ratio Lower Upper
83 100
85 65.1 46.4 86.2



#27
1,2-Dichloroethane
Concen: 0.219 ug/L
RT: 5.066 min Scan# 1252
Delta R.T. 0.019 min
Lab File: VV031920.D
Acq: 24 Aug 2023 19:35

Tgt Ion: 62 Resp: 1652
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#





#29

1,1,1-Trichloroethane

Concen: 0.220 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.006 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

Instrument :

MSVOA_V

ClientSampleId :

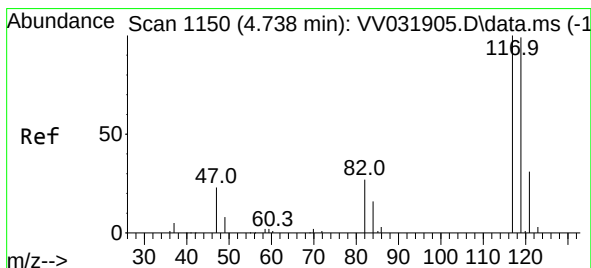
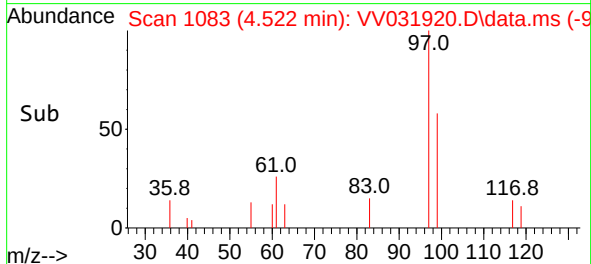
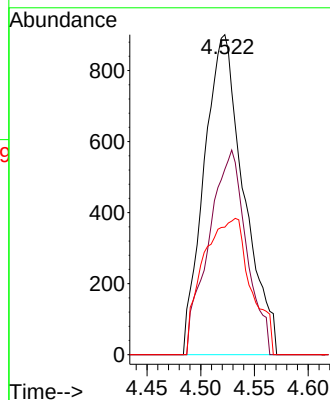
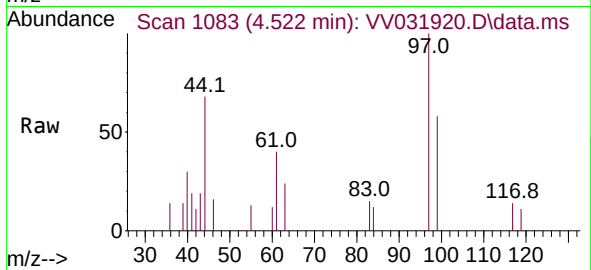
Tgt Ion: 97 Resp: 2313

Ion Ratio Lower Upper

97 100

99 60.7 51.1 76.7

61 51.1 35.5 53.3



#31

Carbon tetrachloride

Concen: 0.445 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.003 min

Lab File: VV031920.D

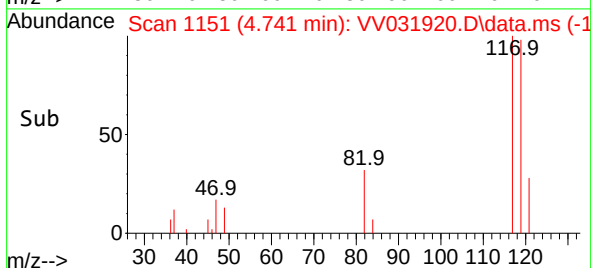
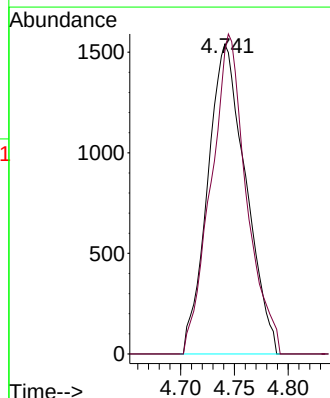
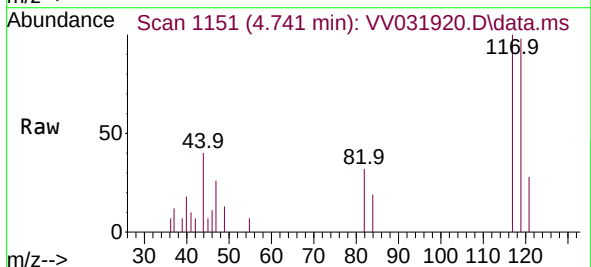
Acq: 24 Aug 2023 19:35

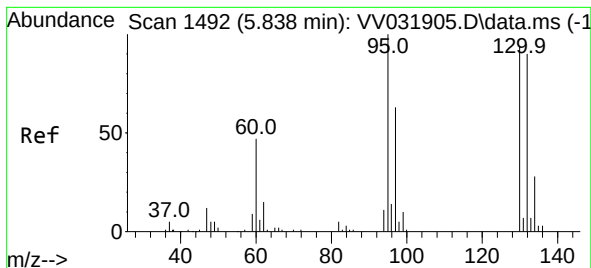
Tgt Ion: 117 Resp: 3791

Ion Ratio Lower Upper

117 100

119 96.4 78.4 117.6





#34

Trichloroethene

Concen: 11.152 ug/L

RT: 5.837 min Scan# 14

Delta R.T. -0.000 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 81876

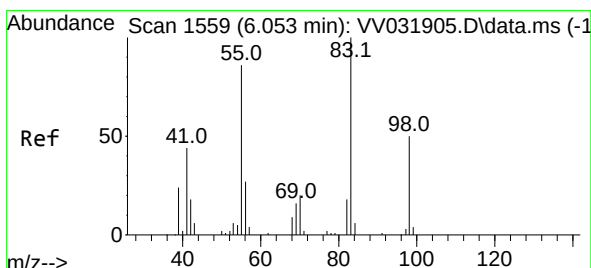
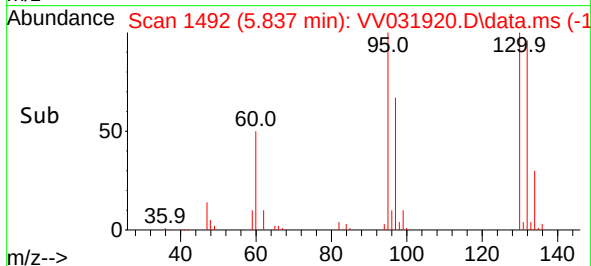
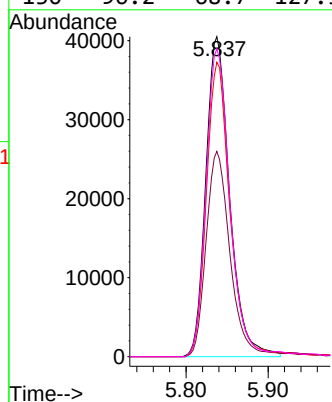
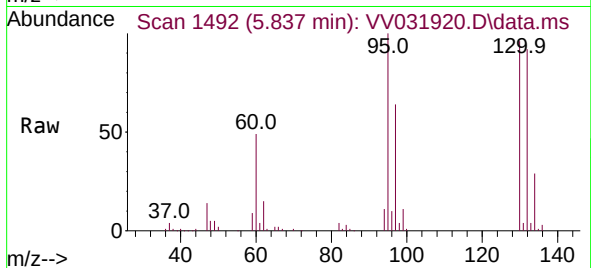
Ion Ratio Lower Upper

95 100

97 64.2 47.7 88.7

132 92.0 63.8 118.4

130 96.2 68.7 127.5



#35

Methylcyclohexane

Concen: 0.985 ug/L

RT: 5.992 min Scan# 1540

Delta R.T. -0.061 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

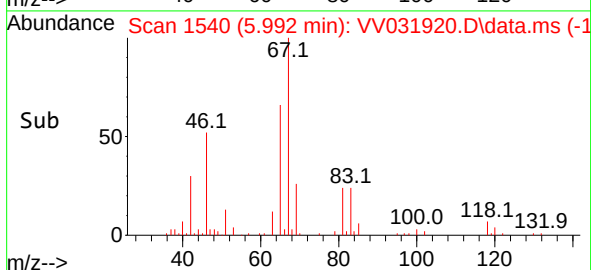
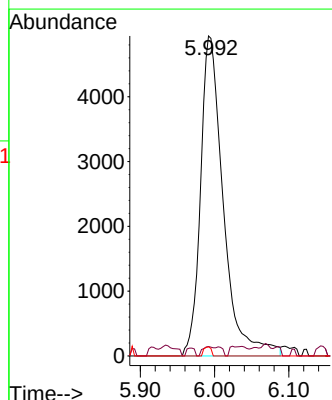
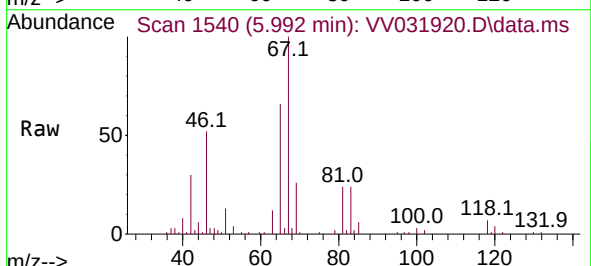
Tgt Ion: 83 Resp: 10529

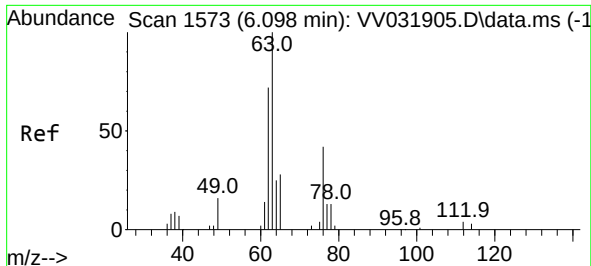
Ion Ratio Lower Upper

83 100

55 1.4 62.6 94.0#

98 0.9 37.8 56.8#





#37

1,2-Dichloropropane

Concen: 0.741 ug/L

RT: 5.992 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

Instrument :

MSVOA_V

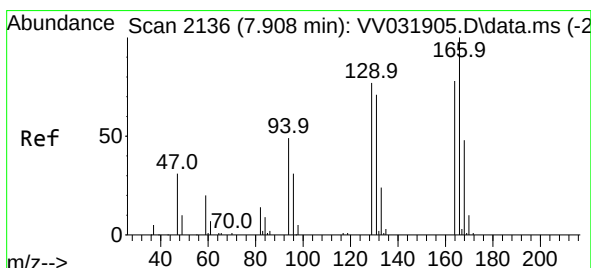
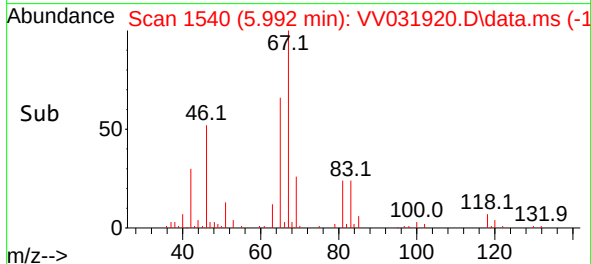
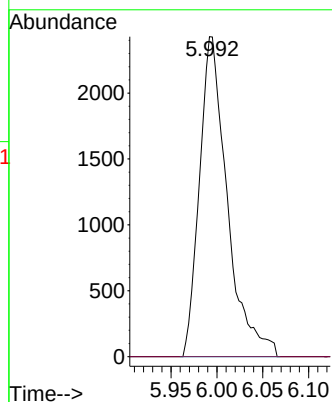
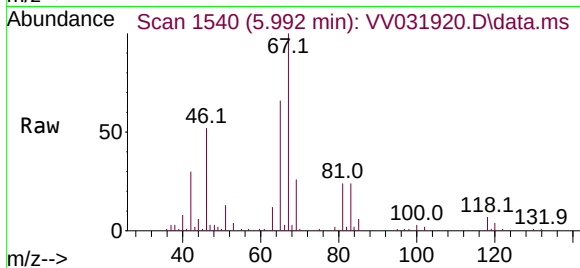
ClientSampleId :

Tgt Ion: 63 Resp: 5130

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.2#



#47

Tetrachloroethene

Concen: 0.132 ug/L

RT: 7.918 min Scan# 2139

Delta R.T. 0.009 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

Tgt Ion: 164 Resp: 617

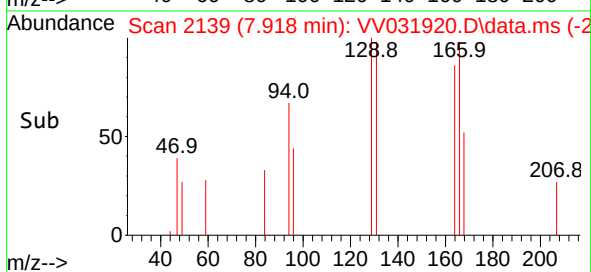
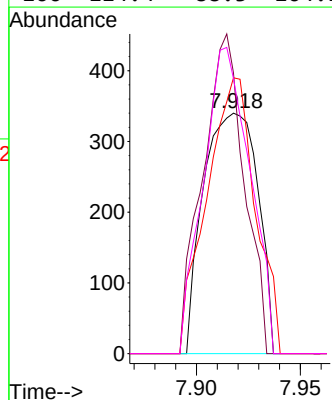
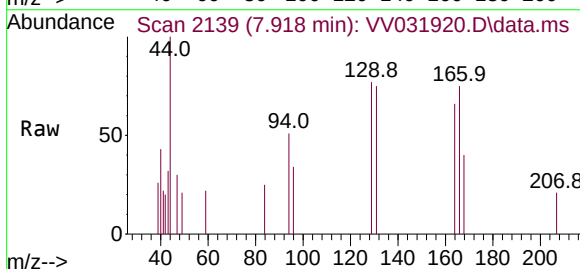
Ion Ratio Lower Upper

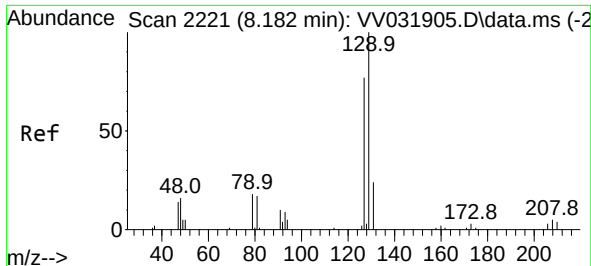
164 100

129 116.8 70.6 131.2

131 114.7 64.6 120.0

166 114.4 88.3 164.1





#49

Dibromochloromethane

Concen: 0.122 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.267 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

Instrument :

MSVOA_V

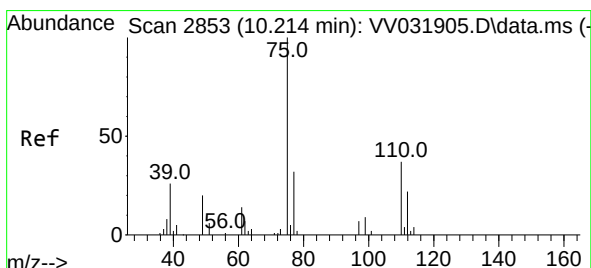
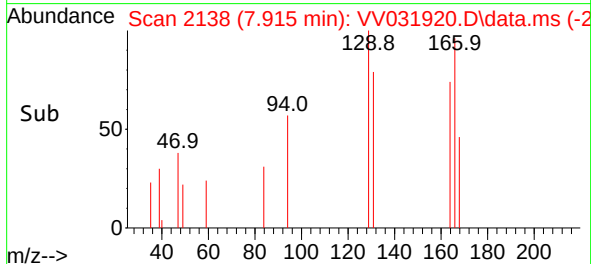
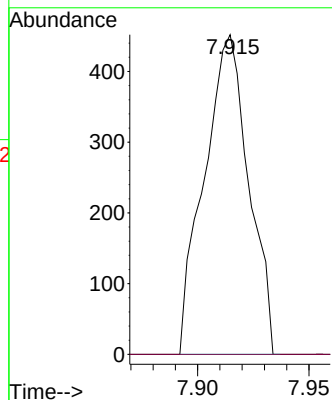
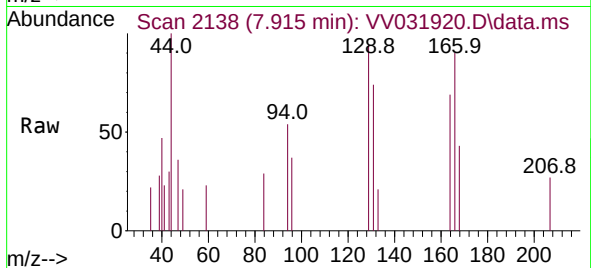
ClientSampleId :

Tgt Ion:129 Resp: 629

Ion Ratio Lower Upper

129 100

127 0.0 53.7 99.7#



#61

1,2,3-Trichloropropane

Concen: 1.829 ug/L

RT: 11.191 min Scan# 3157

Delta R.T. 0.977 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

Tgt Ion: 75 Resp: 7773

Ion Ratio Lower Upper

75 100

77 36.9 28.8 43.2

110 2.7 30.2 45.2#

