

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW102321\
 Data File : VW023013.D
 Acq On : 23 Oct 2021 16:35
 Operator : SY/MD
 Sample : M4277-07
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 25 01:07:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102221WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Oct 25 01:03:32 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	119949	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	121499	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	50155	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	54266	5.177	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 103.600%		
7) Chloroethane-d5	1.565	69	36458	5.623	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 112.400%		
11) 1,1-Dichloroethene-d2	2.105	63	65658	4.342	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 86.800%		
20) 2-Butanone-d5	3.896	46	109060	64.864	ug/L	-0.05
Spiked Amount	50.000	Range 40 - 130	Recovery	= 129.720%		
24) Chloroform-d	4.349	84	96100	5.640	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 112.800%		
26) 1,2-Dichloroethane-d4	5.034	65	44565	5.548	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 111.000%		
32) Benzene-d6	5.050	84	192051	5.414	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 108.200%		
36) 1,2-Dichloropropane-d6	6.072	67	59174	5.419	ug/L	-0.02
Spiked Amount	5.000	Range 60 - 140	Recovery	= 108.400%		
41) Toluene-d8	7.317	98	156988	4.927	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 98.600%		
43) trans-1,3-Dichloroprop...	7.625	79	18175	4.750	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 95.000%		
46) 2-Hexanone-d5	8.092	63	74800	52.807	ug/L	-0.01
Spiked Amount	50.000	Range 45 - 130	Recovery	= 105.620%		
56) 1,1,2,2-Tetrachloroeth...	10.217	84	40224	5.335	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 106.600%		
66) 1,2-Dichlorobenzene-d4	11.625	152	56901	6.358	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 127.200%#		
Target Compounds						Qvalue
3) Chloromethane	1.240	50	570	0.069	ug/L #	53
5) Vinyl chloride	1.304	62	411	0.048	ug/L #	1
6) Bromomethane	1.520	94	269	0.063	ug/L #	68
12) 1,1-Dichloroethene	2.108	96	584	0.095	ug/L #	1
13) Acetone	2.188	43	13756	16.676	ug/L	78
17) Methyl tert-butyl Ether	2.770	73	2296	0.157	ug/L #	88
22) cis-1,2-Dichloroethene	3.912	96	9671	1.301	ug/L #	91
27) 1,2-Dichloroethane	5.043	62	1254	0.149	ug/L #	84
34) Trichloroethene	5.924	95	2354	0.287	ug/L	95
35) Methylcyclohexane	6.072	83	14693	1.249	ug/L #	18
37) 1,2-Dichloropropane	6.072	63	6740	0.818	ug/L #	84
42) Toluene	7.391	91	51327	1.549	ug/L	98
47) Tetrachloroethene	7.979	164	10594	1.527	ug/L	96
48) 2-Hexanone	8.153	43	5547	1.926	ug/L #	67
49) Dibromochloromethane	7.979	129	8858	1.291	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6133	1.737	ug/L #	63

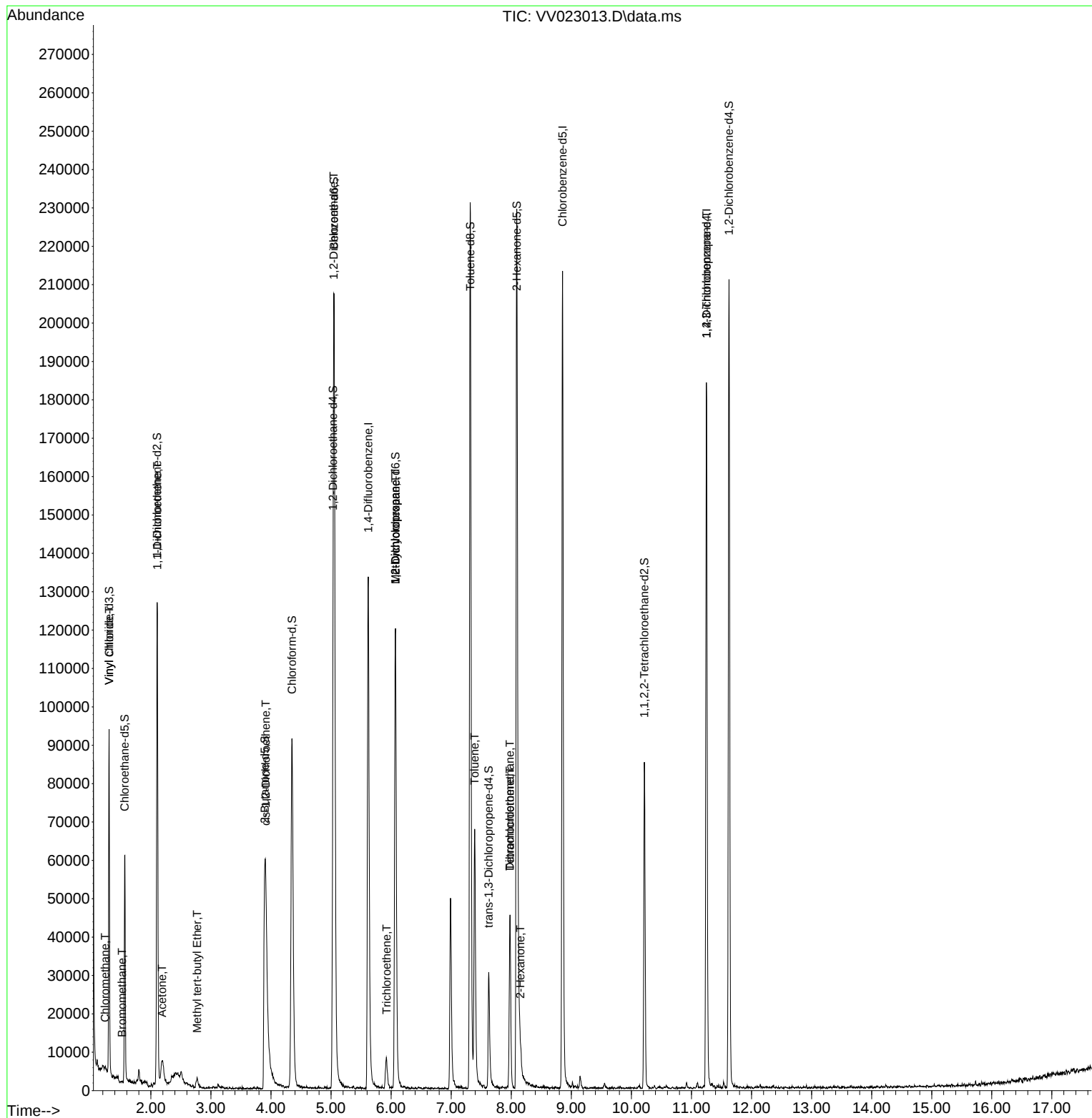
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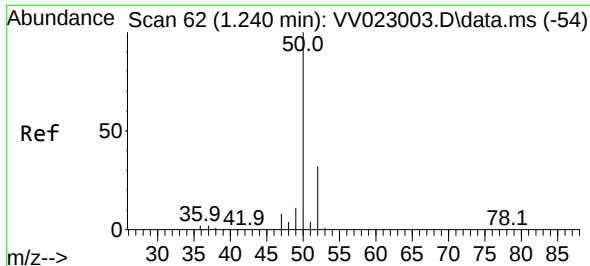
Instrument :
MSVOA_V
ClientSampleId :

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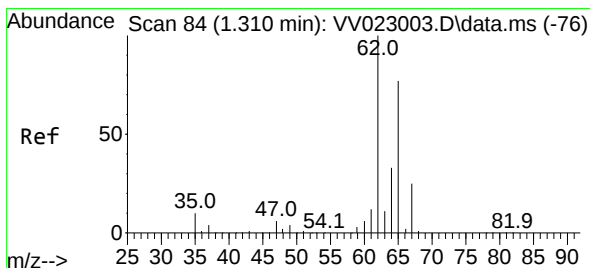
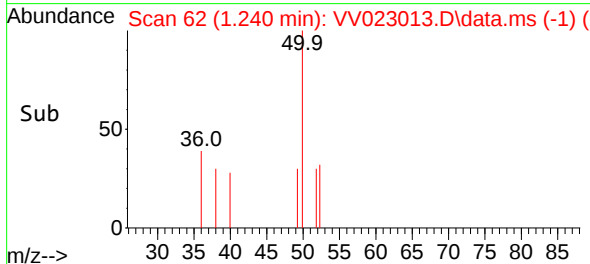
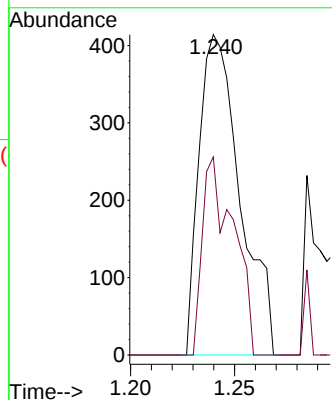
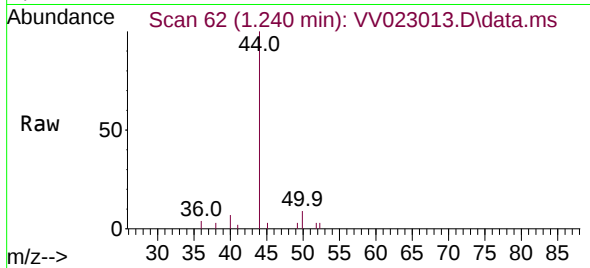




#3
Chloromethane
Concen: 0.069 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV023013.D
Acq: 23 Oct 2021 16:35

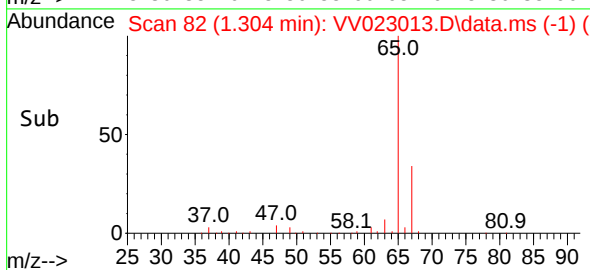
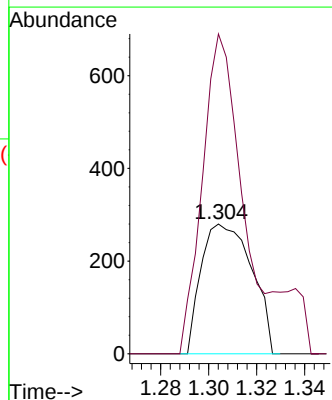
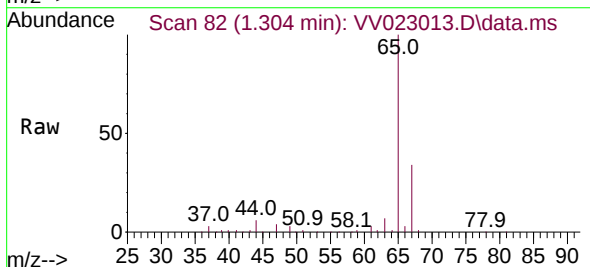
Instrument :
MSVOA_V
ClientSampleId :

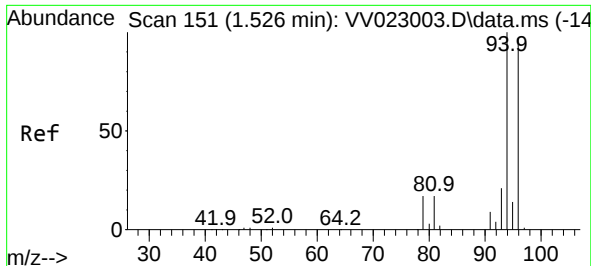
Tgt Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 61.8 24.3 45.1#



#5
Vinyl chloride
Concen: 0.048 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.006 min
Lab File: VV023013.D
Acq: 23 Oct 2021 16:35

Tgt Ion: 62 Resp: 411
Ion Ratio Lower Upper
62 100
64 246.4 23.1 42.9#

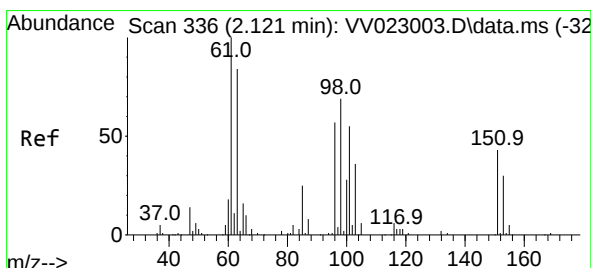
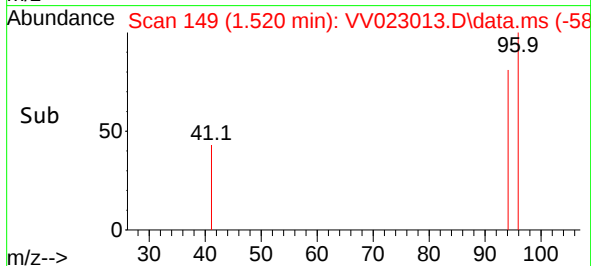
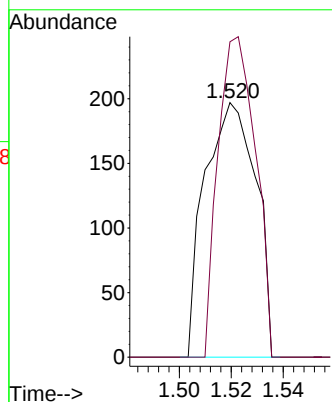
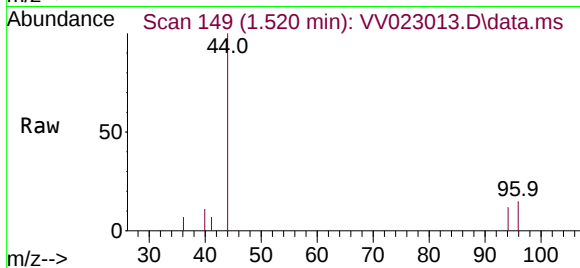




#6
Bromomethane
Concen: 0.063 ug/L
RT: 1.520 min Scan# 14
Delta R.T. -0.006 min
Lab File: VV023013.D
Acq: 23 Oct 2021 16:35

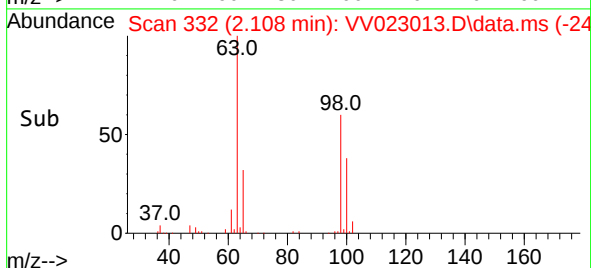
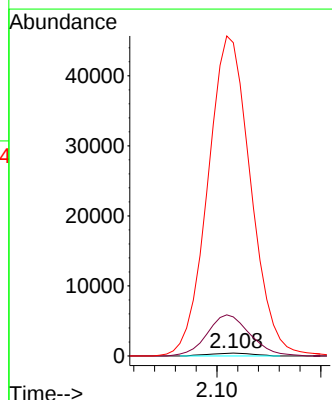
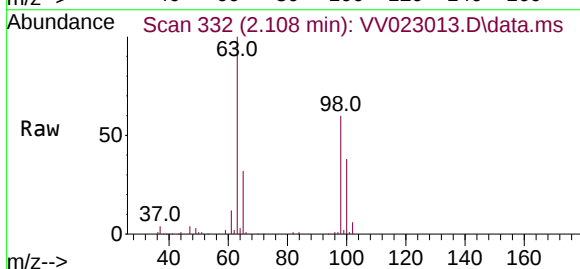
Instrument :
MSVOA_V
ClientSampleId :

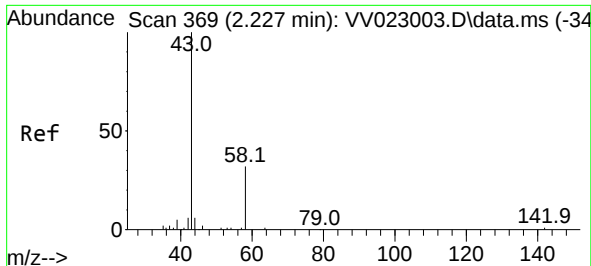
Tgt Ion: 94 Resp: 269
Ion Ratio Lower Upper
94 100
96 123.9 65.0 120.8#



#12
1,1-Dichloroethene
Concen: 0.095 ug/L
RT: 2.108 min Scan# 332
Delta R.T. -0.013 min
Lab File: VV023013.D
Acq: 23 Oct 2021 16:35

Tgt Ion: 96 Resp: 584
Ion Ratio Lower Upper
96 100
61 1371.5 121.5 225.7#
63 10987.7 99.6 185.0#





#13

Acetone

Concen: 16.676 ug/L

RT: 2.188 min Scan# 31

Delta R.T. -0.038 min

Lab File: VV023013.D

Acq: 23 Oct 2021 16:35

Instrument :

MSVOA_V

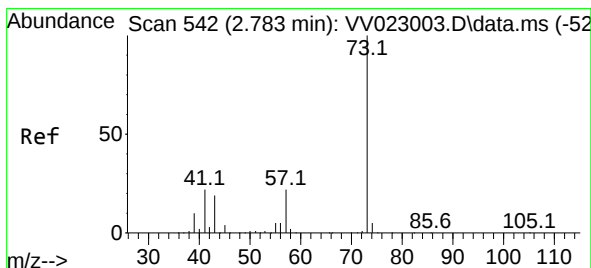
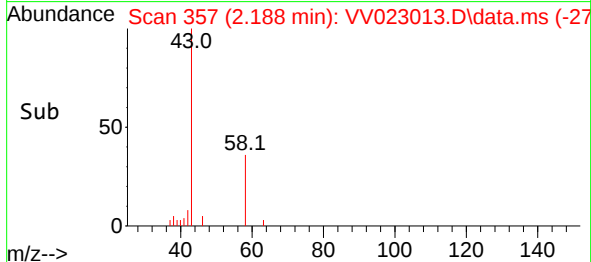
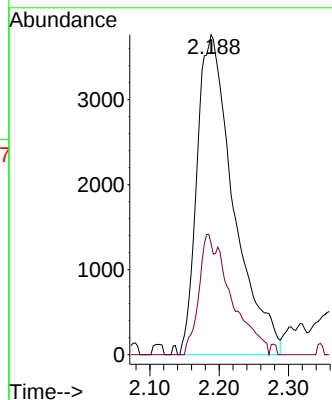
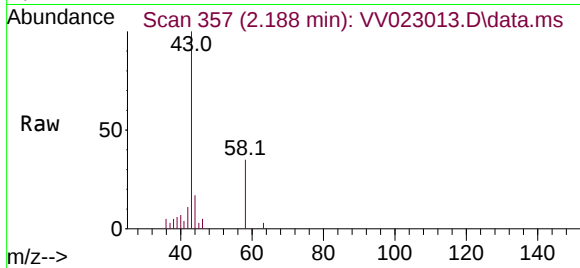
ClientSampleId :

Tgt Ion: 43 Resp: 13756

Ion Ratio Lower Upper

43 100

58 16.4 0.0 55.4



#17

Methyl tert-butyl Ether

Concen: 0.157 ug/L

RT: 2.770 min Scan# 538

Delta R.T. -0.013 min

Lab File: VV023013.D

Acq: 23 Oct 2021 16:35

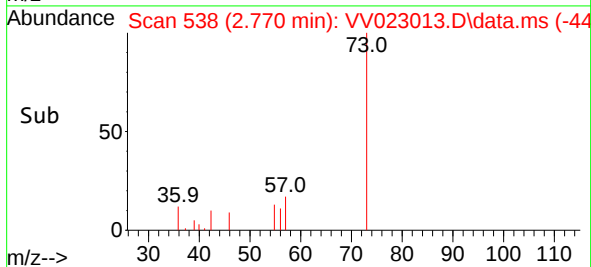
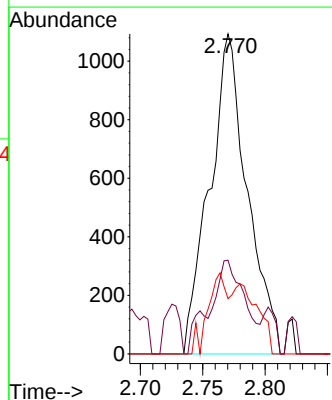
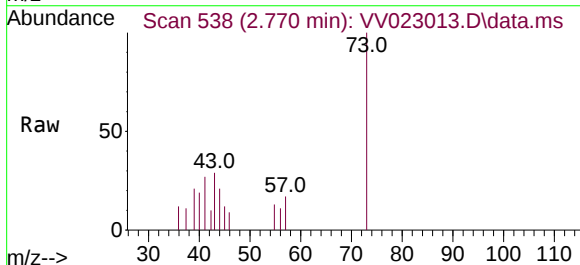
Tgt Ion: 73 Resp: 2296

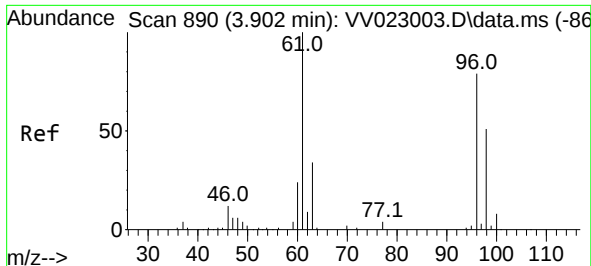
Ion Ratio Lower Upper

73 100

43 18.0 17.4 26.0

57 12.8 16.5 24.7#

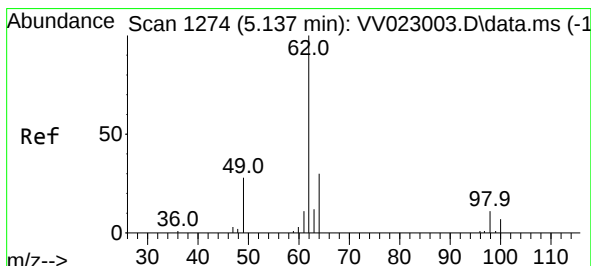
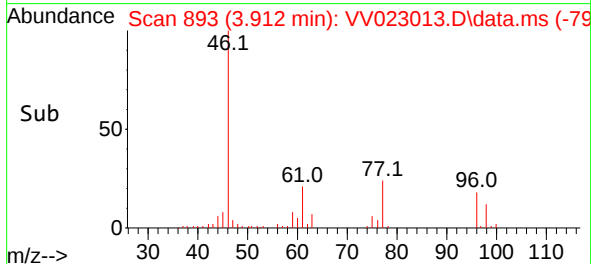
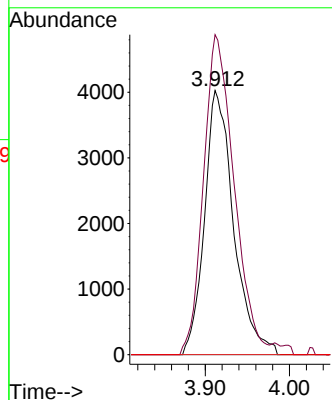
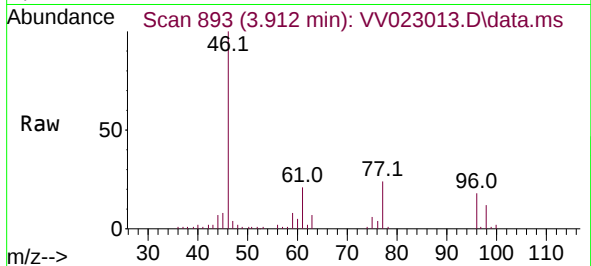




#22
 cis-1,2-Dichloroethene
 Concen: 1.301 ug/L
 RT: 3.912 min Scan# 890
 Delta R.T. 0.010 min
 Lab File: VV023013.D
 Acq: 23 Oct 2021 16:35

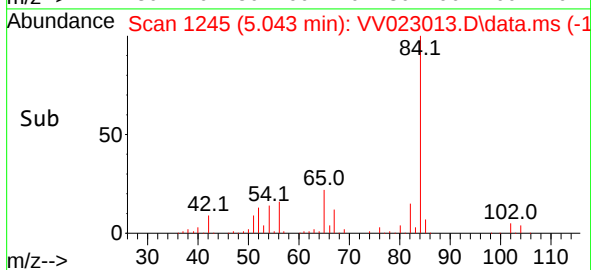
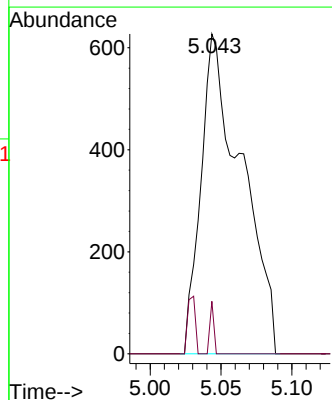
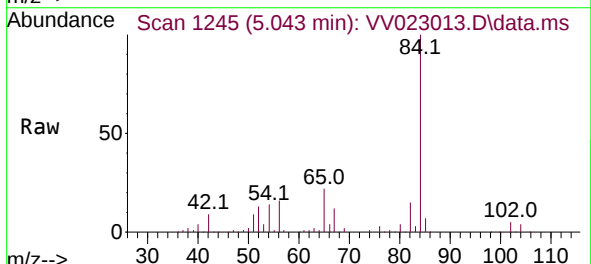
Instrument :
 MSVOA_V
 ClientSampleId :

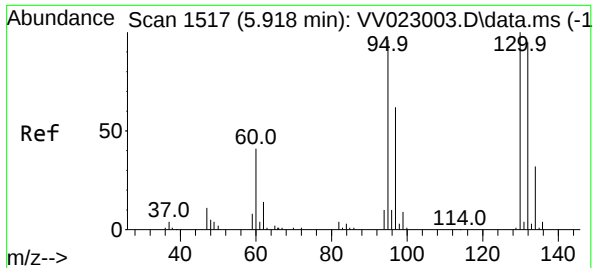
Tgt Ion: 96 Resp: 9671
 Ion Ratio Lower Upper
 96 100
 61 121.1 92.3 171.3
 68 0.0 0.4 0.8#



#27
 1,2-Dichloroethane
 Concen: 0.149 ug/L
 RT: 5.043 min Scan# 1245
 Delta R.T. -0.093 min
 Lab File: VV023013.D
 Acq: 23 Oct 2021 16:35

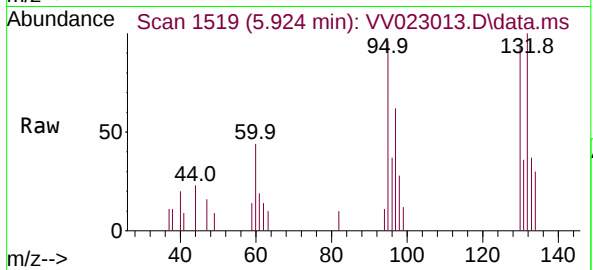
Tgt Ion: 62 Resp: 1254
 Ion Ratio Lower Upper
 62 100
 98 16.4 8.2 12.4#





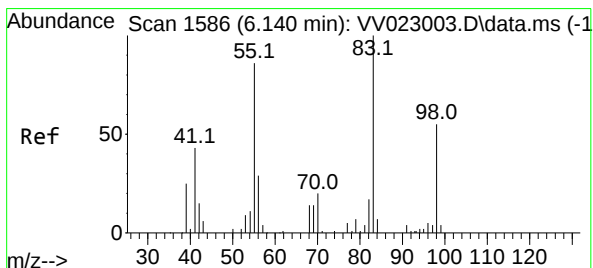
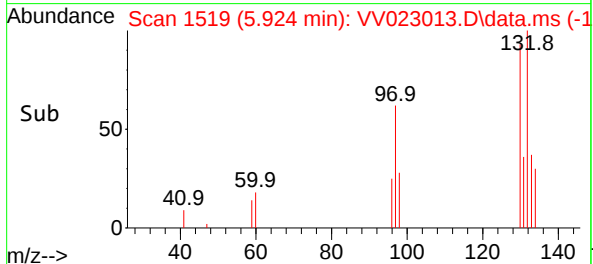
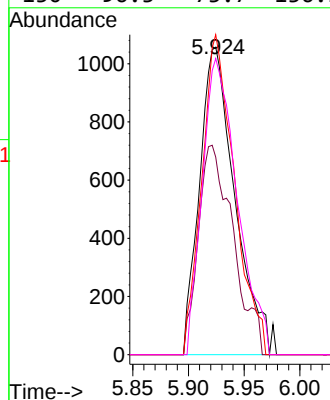
#34
Trichloroethene
Concen: 0.287 ug/L
RT: 5.924 min Scan# 11
Delta R.T. 0.007 min
Lab File: VV023013.D
Acq: 23 Oct 2021 16:35

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 95 Resp: 2354

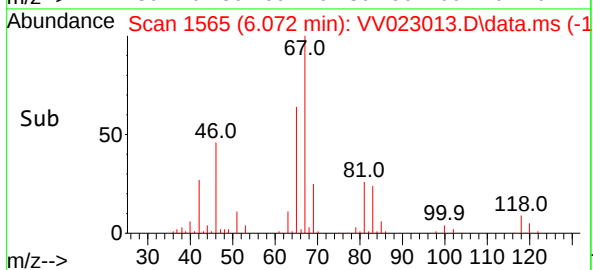
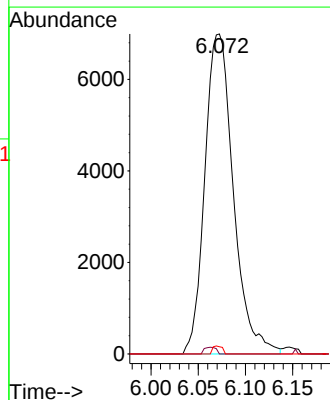
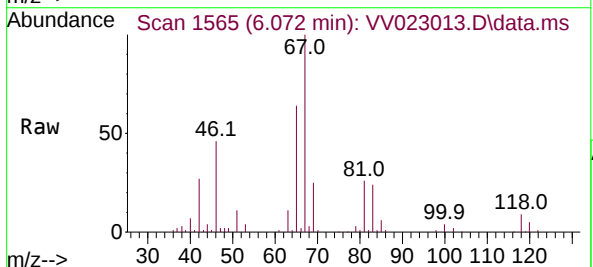
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.0	83.6
132	104.1	69.7	129.4
130	96.3	73.7	136.9

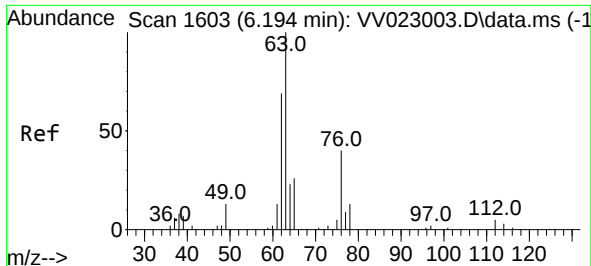


#35
Methylcyclohexane
Concen: 1.249 ug/L
RT: 6.072 min Scan# 1565
Delta R.T. -0.067 min
Lab File: VV023013.D
Acq: 23 Oct 2021 16:35

Tgt Ion: 83 Resp: 14693

Ion	Ratio	Lower	Upper
83	100		
55	0.9	62.8	94.2#
98	0.8	37.9	56.9#





#37

1,2-Dichloropropane

Concen: 0.818 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.122 min

Lab File: VV023013.D

Acq: 23 Oct 2021 16:35

Instrument :

MSVOA_V

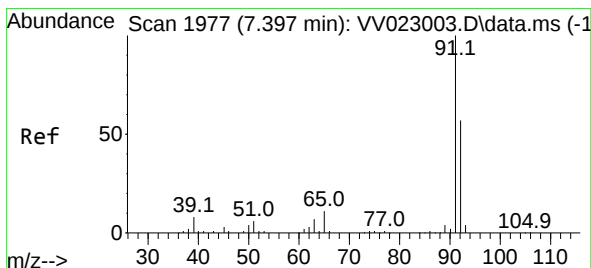
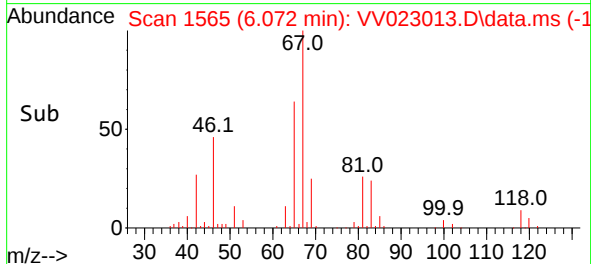
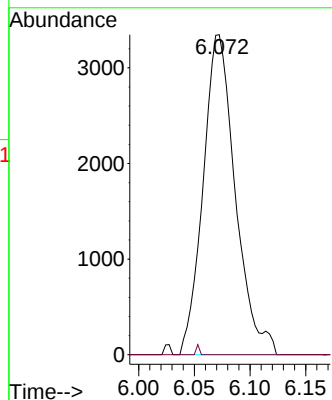
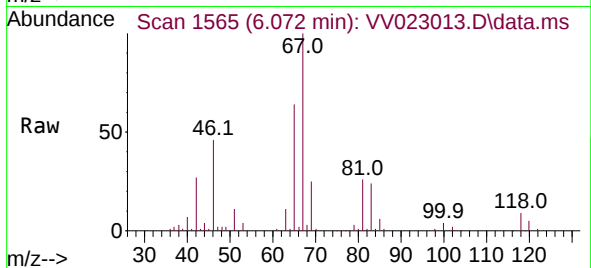
ClientSampleId :

Tgt Ion: 63 Resp: 6740

Ion Ratio Lower Upper

63 100

112 0.3 4.6 6.8#



#42

Toluene

Concen: 1.549 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. -0.006 min

Lab File: VV023013.D

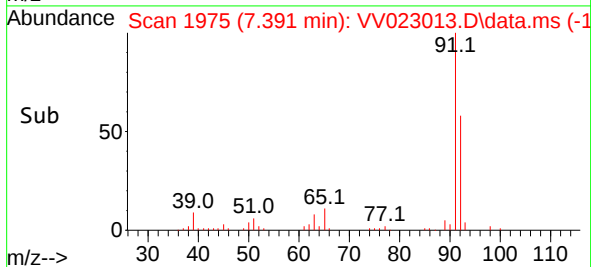
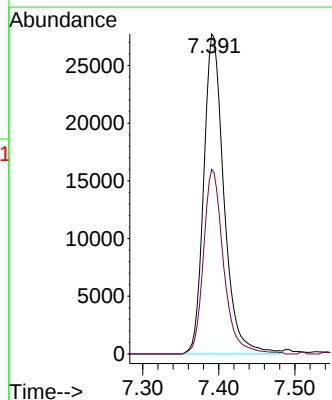
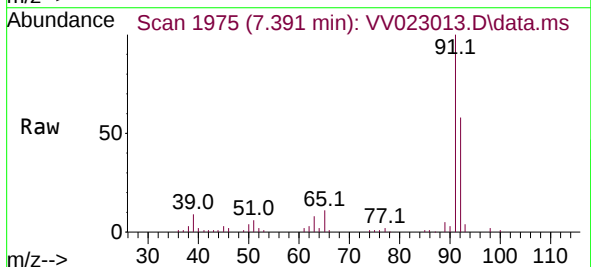
Acq: 23 Oct 2021 16:35

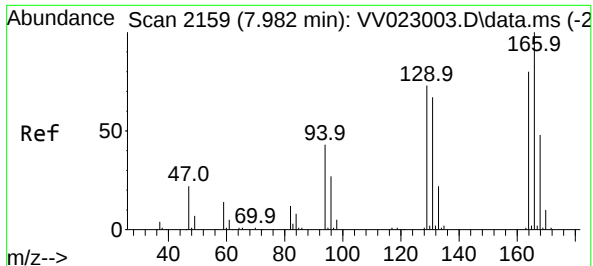
Tgt Ion: 91 Resp: 51327

Ion Ratio Lower Upper

91 100

92 57.7 39.3 72.9





#47

Tetrachloroethene

Concen: 1.527 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.003 min

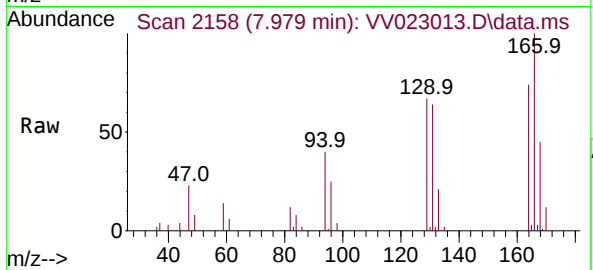
Lab File: VV023013.D

Acq: 23 Oct 2021 16:35

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:164 Resp: 10594

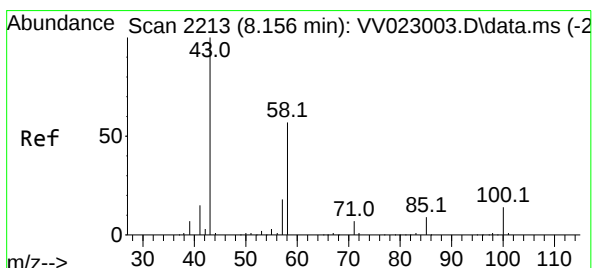
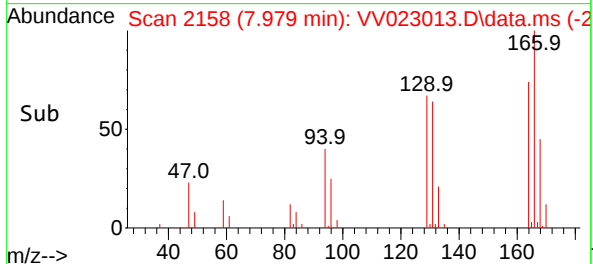
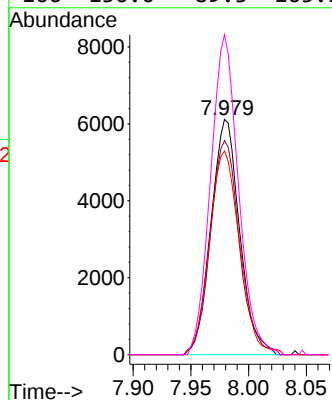
Ion Ratio Lower Upper

164 100

129 91.0 64.0 119.0

131 86.5 63.4 117.8

166 136.0 89.3 165.9



#48

2-Hexanone

Concen: 1.926 ug/L

RT: 8.153 min Scan# 2212

Delta R.T. -0.003 min

Lab File: VV023013.D

Acq: 23 Oct 2021 16:35

Tgt Ion: 43 Resp: 5547

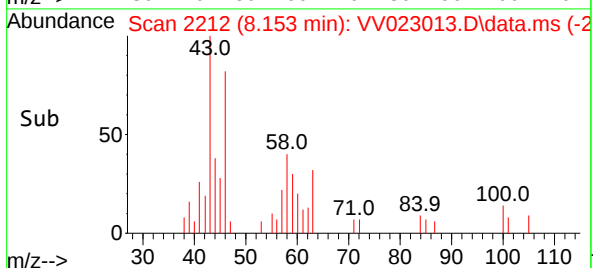
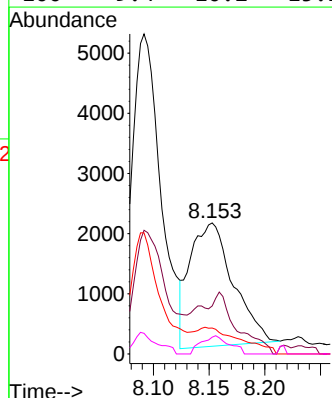
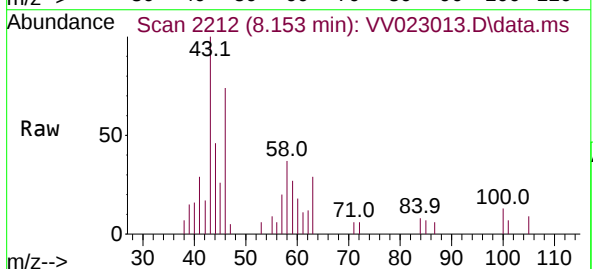
Ion Ratio Lower Upper

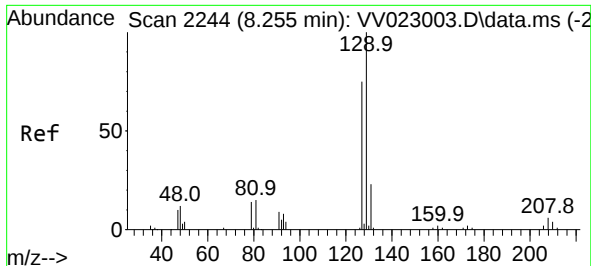
43 100

58 28.4 43.7 65.5#

57 0.0 14.1 21.1#

100 9.4 10.2 15.2#





#49

Dibromochloromethane

Concen: 1.291 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.276 min

Lab File: VV023013.D

Acq: 23 Oct 2021 16:35

Instrument :

MSVOA_V

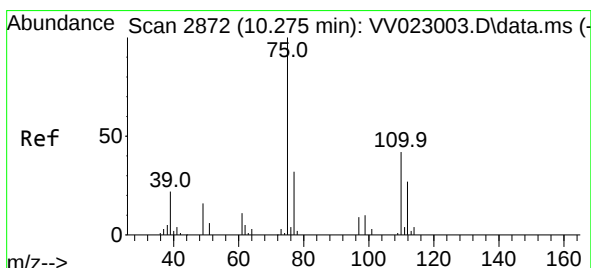
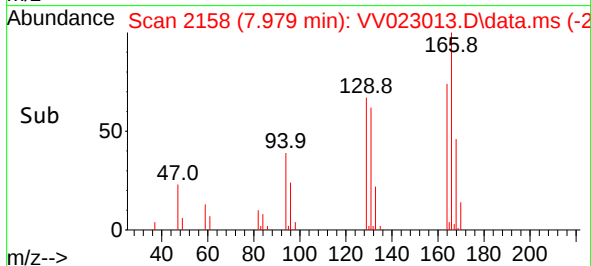
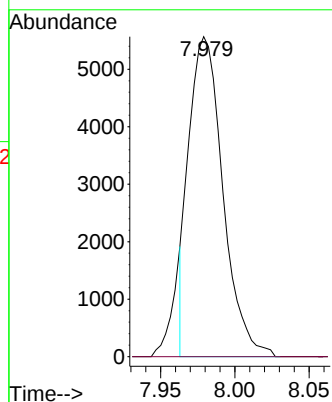
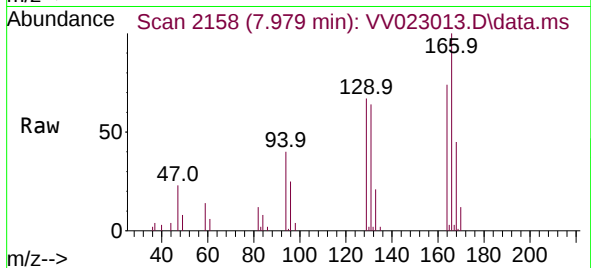
ClientSampleId :

Tgt Ion:129 Resp: 8858

Ion Ratio Lower Upper

129 100

127 0.0 54.7 101.7#



#61

1,2,3-Trichloropropane

Concen: 1.737 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV023013.D

Acq: 23 Oct 2021 16:35

Tgt Ion: 75 Resp: 6133

Ion Ratio Lower Upper

75 100

77 29.1 26.6 39.8

110 2.0 31.8 47.6#

