

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111621\
 Data File : VW023555.D
 Acq On : 16 Nov 2021 23:57
 Operator : SY/MD
 Sample : M4627-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4638

Quant Time: Nov 17 03:41:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 02:49:39 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	130759	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	125024	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	59165	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	28321	3.457	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.200%
7) Chloroethane-d5	1.571	69	25867	3.874	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.400%
11) 1,1-Dichloroethene-d2	2.108	63	42790	2.790	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.800%#
20) 2-Butanone-d5	3.899	46	56798	40.246	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.500%
24) Chloroform-d	4.349	84	67119	3.845	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.800%
26) 1,2-Dichloroethane-d4	5.037	65	31864	4.059	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.200%
32) Benzene-d6	5.053	84	126695	3.949	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.000%
36) 1,2-Dichloropropane-d6	6.072	67	39025	4.133	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.600%
41) Toluene-d8	7.316	98	110391	3.672	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.400%
43) trans-1,3-Dichloroprop...	7.625	79	13772	3.846	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.000%
46) 2-Hexanone-d5	8.091	63	52320	39.714	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.420%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	27240	4.011	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.200%
66) 1,2-Dichlorobenzene-d4	11.625	152	43755	4.441	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.800%
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	33587	3.102	ug/L	98
8) Chloroethane	1.587	64	2054	0.329	ug/L	94
12) 1,1-Dichloroethene	2.121	96	3191	0.409	ug/L #	1
18) trans-1,2-Dichloroethene	2.764	96	47443	4.949	ug/L	95
19) 1,1-Dichloroethane	3.194	63	1478	0.091	ug/L #	85
22) cis-1,2-Dichloroethene	3.911	96	323579	35.076	ug/L #	89
34) Trichloroethene	5.911	95	333335	35.870	ug/L	98
35) Methylcyclohexane	6.072	83	10184	0.694	ug/L #	18
42) Toluene	7.400	91	2598	0.070	ug/L	89
47) Tetrachloroethene	7.979	164	13082	1.624	ug/L	91
48) 2-Hexanone	8.146	43	3578	1.350	ug/L #	87
49) Dibromochloromethane	7.979	129	11164	1.503	ug/L #	10
61) 1,2,3-Trichloropropane	11.249	75	6531	1.662	ug/L #	65
70) 1,2,4-trichlorobenzene	13.268	180	781	0.072	ug/L #	90
71) Naphthalene	13.512	128	1757	0.110	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.747	180	696	0.073	ug/L	99

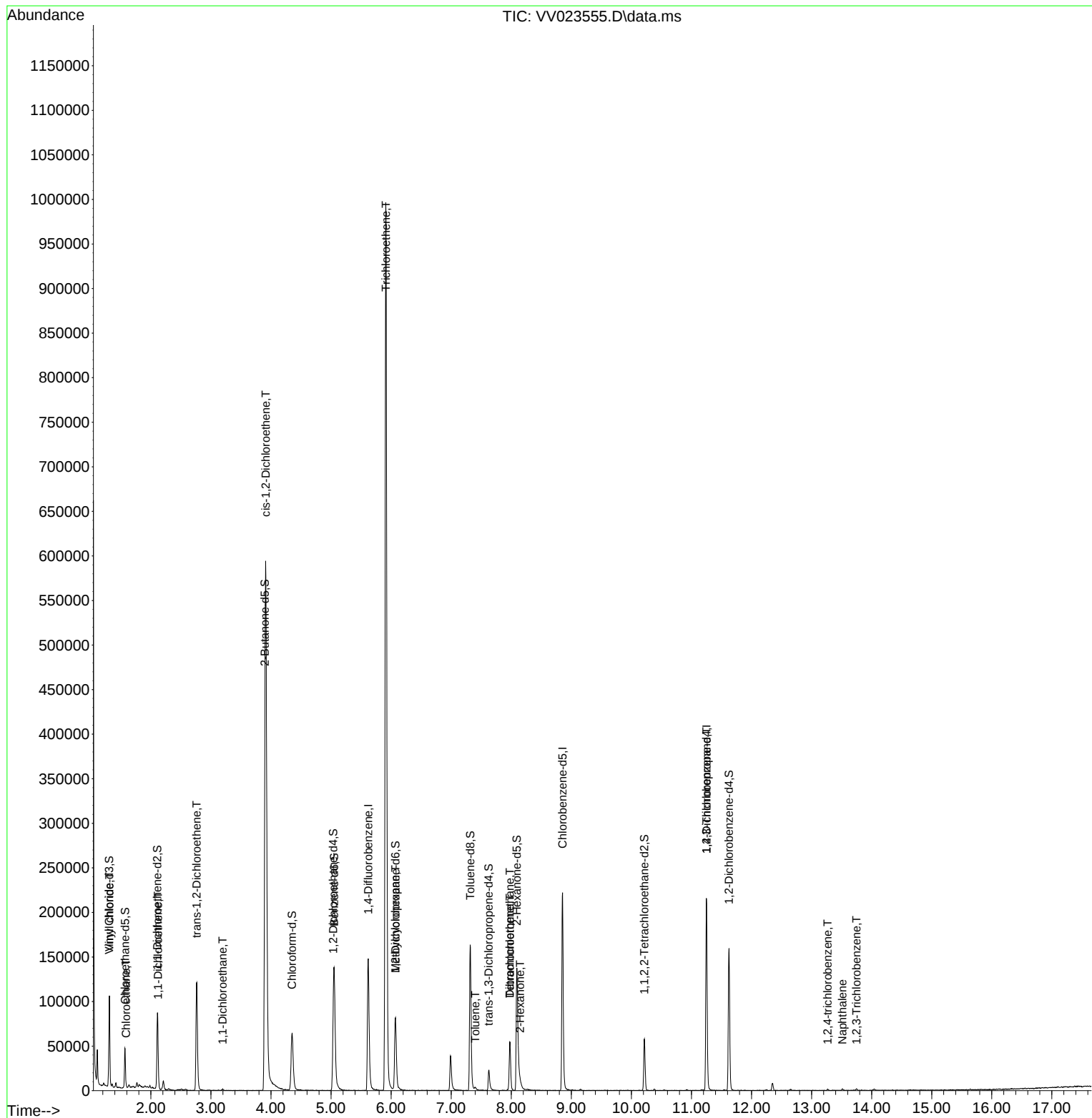
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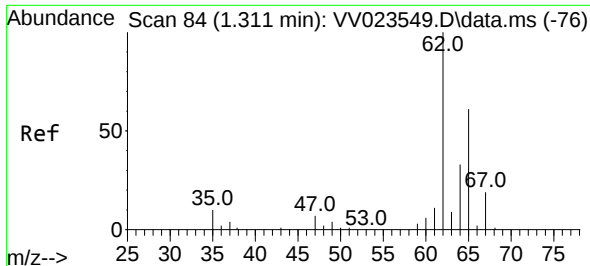
Instrument :
MSVOA_V
ClientSampleId :
H4638

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QLast Update : Wed Nov 17 02:49:39 2021
Response via : Initial Calibration

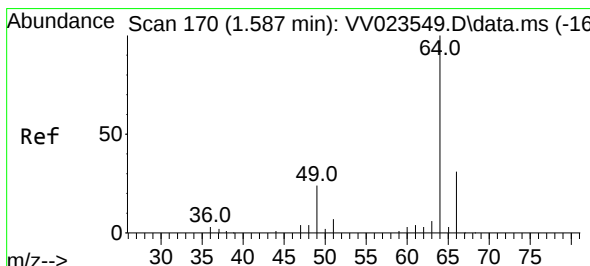
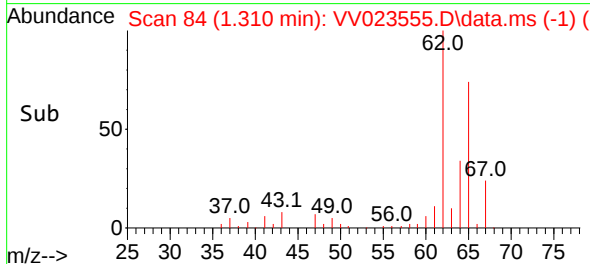
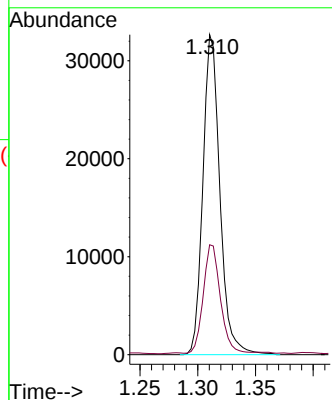
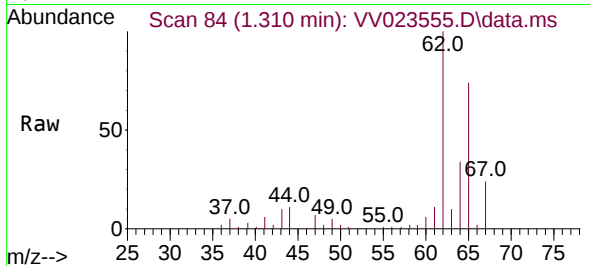




#5
 Vinyl chloride
 Concen: 3.102 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023555.D
 Acq: 16 Nov 2021 23:57

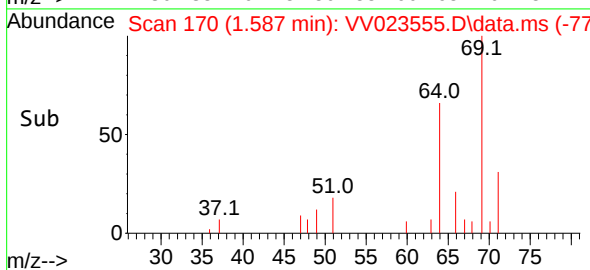
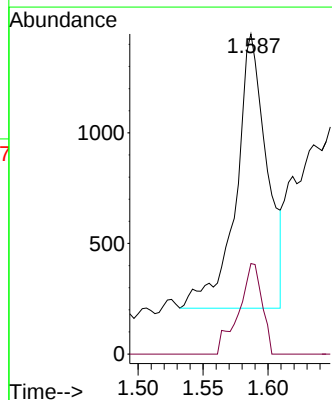
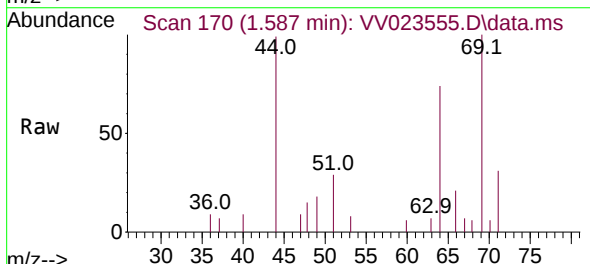
Instrument :
 MSVOA_V
 ClientSampleId :
 H4638

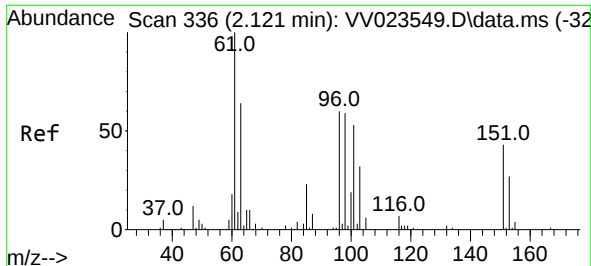
Tgt Ion: 62 Resp: 33587
 Ion Ratio Lower Upper
 62 100
 64 34.4 23.1 42.9



#8
 Chloroethane
 Concen: 0.329 ug/L
 RT: 1.587 min Scan# 170
 Delta R.T. -0.000 min
 Lab File: VV023555.D
 Acq: 16 Nov 2021 23:57

Tgt Ion: 64 Resp: 2054
 Ion Ratio Lower Upper
 64 100
 66 28.3 22.1 41.1

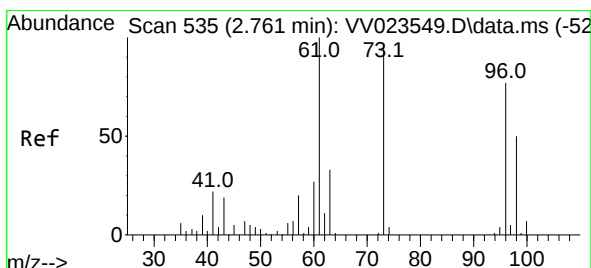
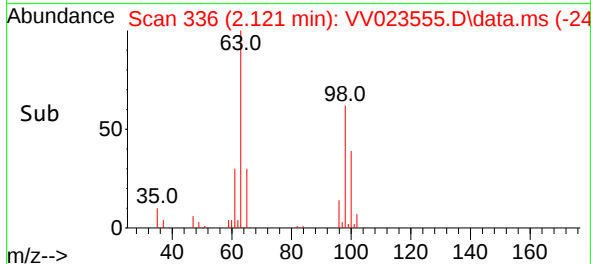
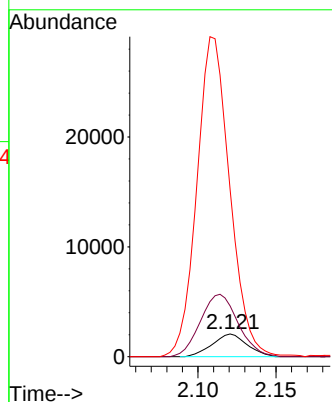
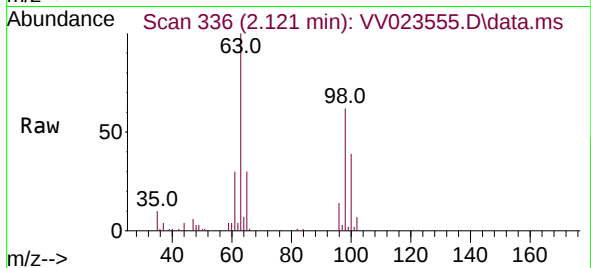




#12
1,1-Dichloroethene
Concen: 0.409 ug/L
RT: 2.121 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV023555.D
Acq: 16 Nov 2021 23:57

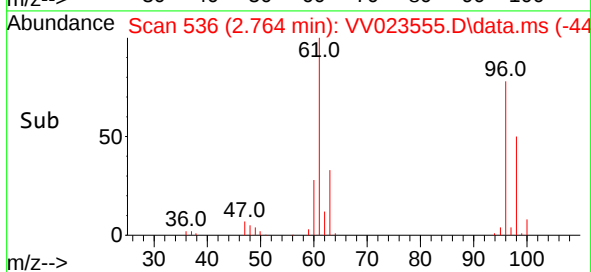
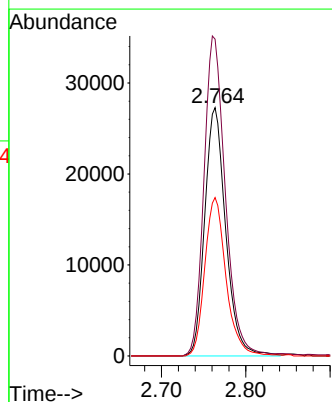
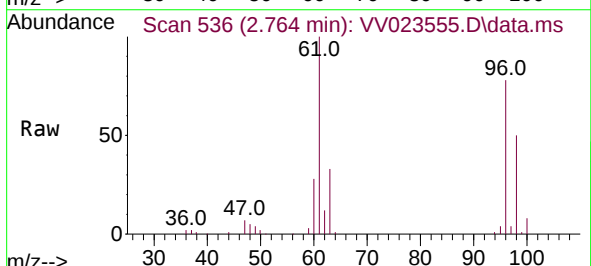
Instrument :
MSVOA_V
ClientSampleId :
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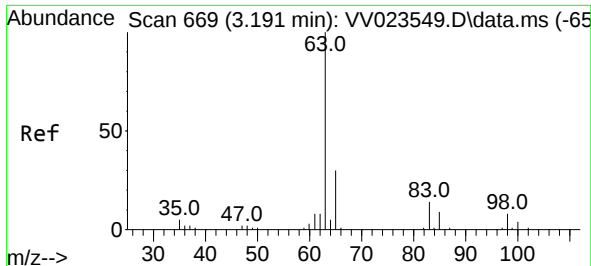
Tgt Ion: 96 Resp: 3191
Ion Ratio Lower Upper
96 100
61 222.8 121.5 225.7
63 732.8 99.6 185.0#



#18
trans-1,2-Dichloroethene
Concen: 4.949 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.003 min
Lab File: VV023555.D
Acq: 16 Nov 2021 23:57

Tgt Ion: 96 Resp: 47443
Ion Ratio Lower Upper
96 100
61 127.6 93.2 173.2
98 63.8 47.0 87.2





#19

1,1-Dichloroethane

Concen: 0.091 ug/L

RT: 3.194 min Scan# 61

Delta R.T. 0.003 min

Lab File: VV023555.D

Acq: 16 Nov 2021 23:57

Instrument :

MSVOA_V

ClientSampleId :

H4638

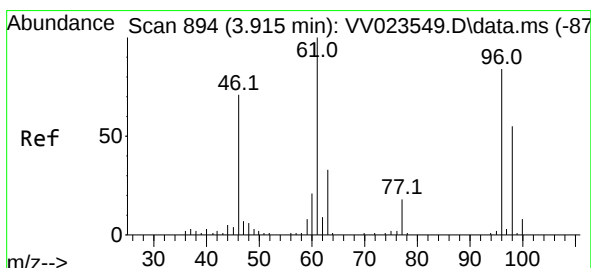
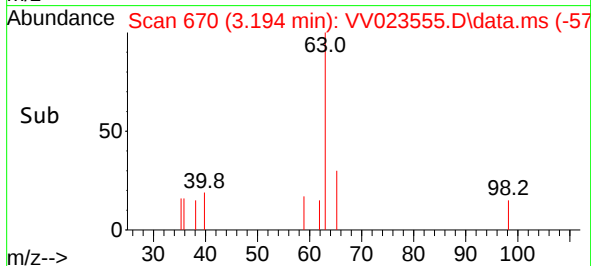
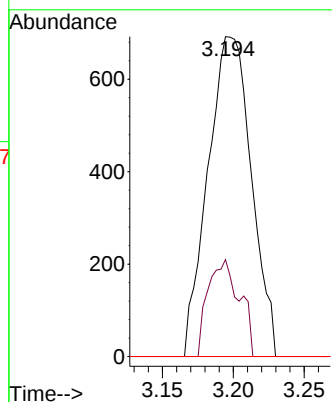
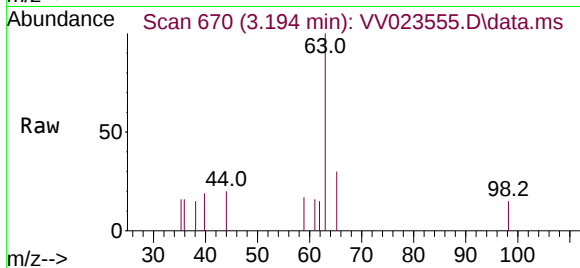
Tgt Ion: 63 Resp: 1478

Ion Ratio Lower Upper

63 100

65 30.3 22.6 42.0

83 0.0 11.1 20.7#



#22

cis-1,2-Dichloroethene

Concen: 35.076 ug/L

RT: 3.911 min Scan# 893

Delta R.T. -0.003 min

Lab File: VV023555.D

Acq: 16 Nov 2021 23:57

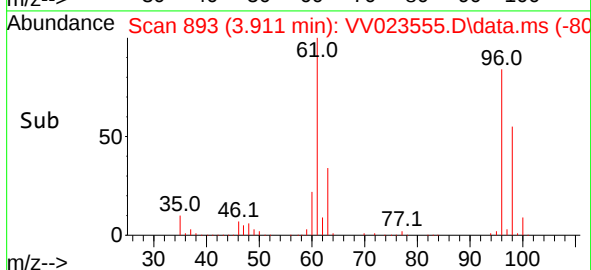
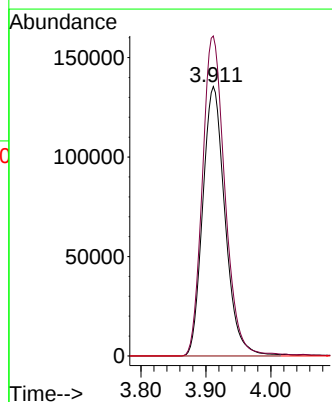
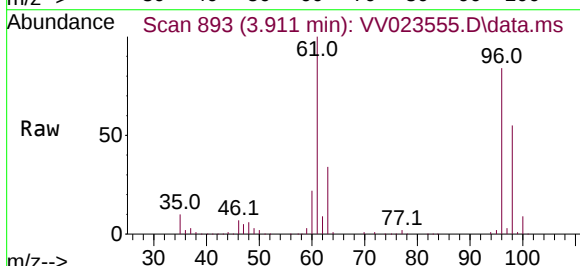
Tgt Ion: 96 Resp: 323579

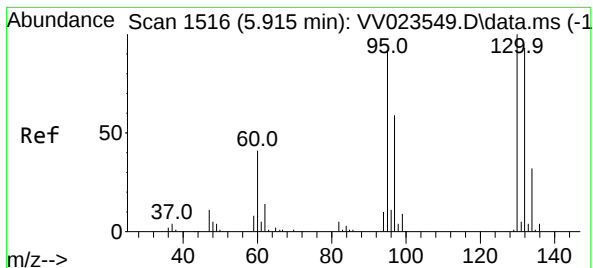
Ion Ratio Lower Upper

96 100

61 118.8 92.3 171.3

68 0.0 0.4 0.8#





#34

Trichloroethene

Concen: 35.870 ug/L

RT: 5.911 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV023555.D

Acq: 16 Nov 2021 23:57

Instrument :

MSVOA_V

ClientSampleId :

H4638

Tgt Ion: 95 Resp: 333335

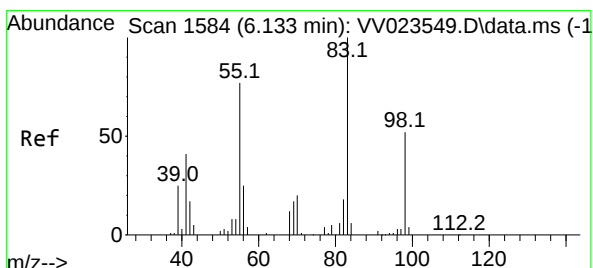
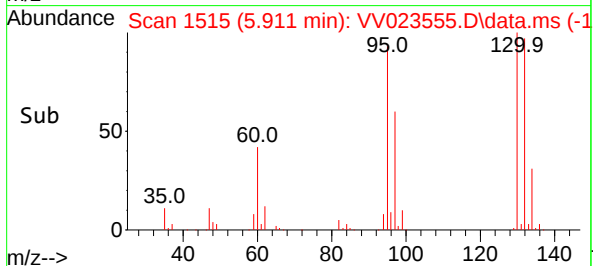
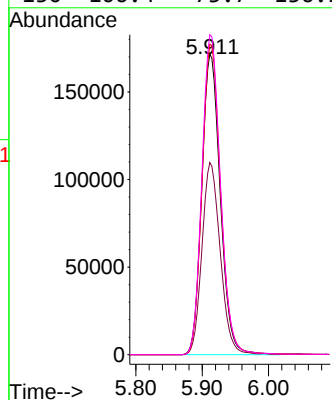
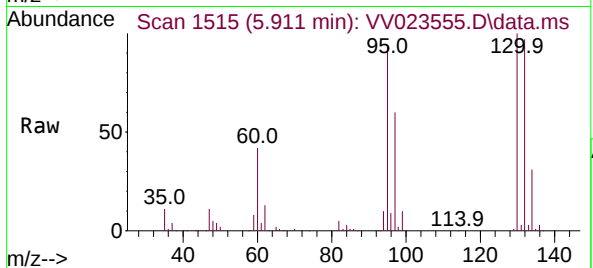
Ion Ratio Lower Upper

95 100

97 63.9 45.0 83.6

132 103.2 69.7 129.4

130 106.4 73.7 136.9



#35

Methylcyclohexane

Concen: 0.694 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.061 min

Lab File: VV023555.D

Acq: 16 Nov 2021 23:57

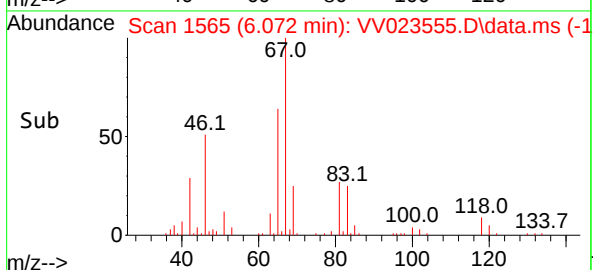
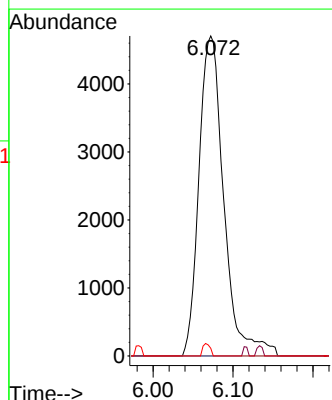
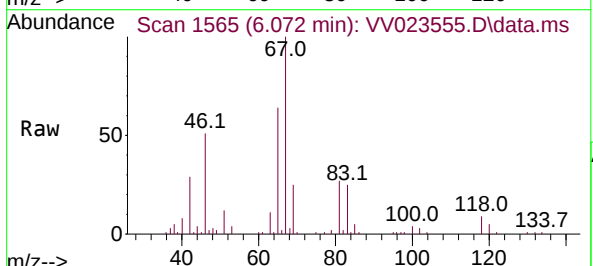
Tgt Ion: 83 Resp: 10184

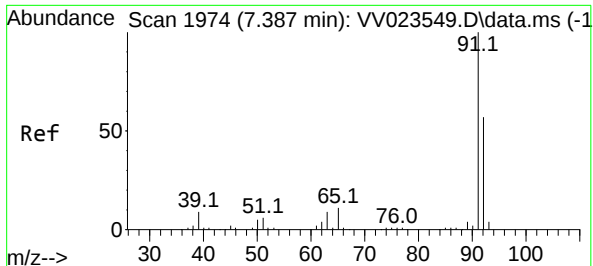
Ion Ratio Lower Upper

83 100

55 0.5 62.8 94.2#

98 0.0 37.9 56.9#





#42

Toluene

Concen: 0.070 ug/L

RT: 7.400 min Scan# 1974

Delta R.T. 0.013 min

Lab File: VV023555.D

Acq: 16 Nov 2021 23:57

Instrument :

MSVOA_V

ClientSampleId :

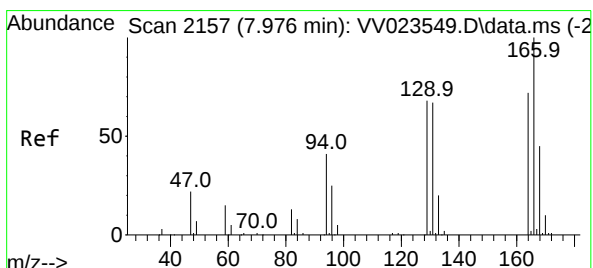
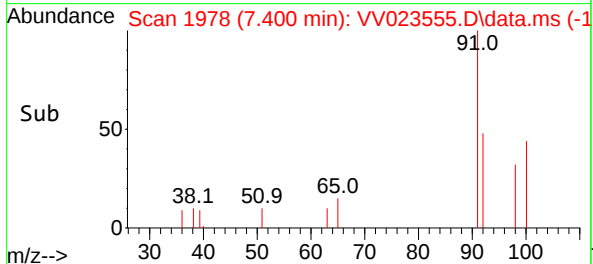
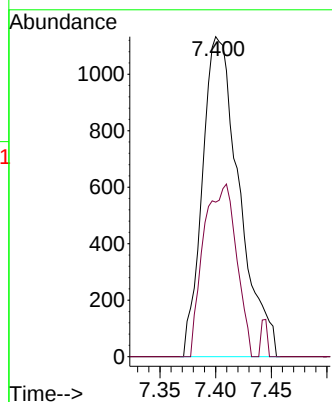
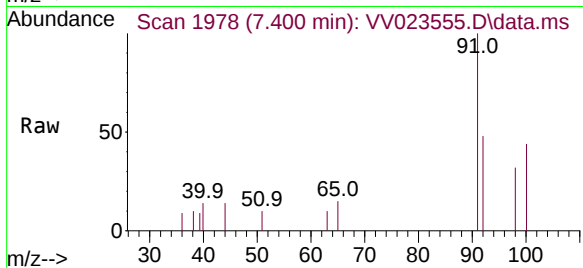
H4638

Tgt Ion: 91 Resp: 2598

Ion Ratio Lower Upper

91 100

92 48.3 39.3 72.9



#47

Tetrachloroethene

Concen: 1.624 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.003 min

Lab File: VV023555.D

Acq: 16 Nov 2021 23:57

Tgt Ion: 164 Resp: 13082

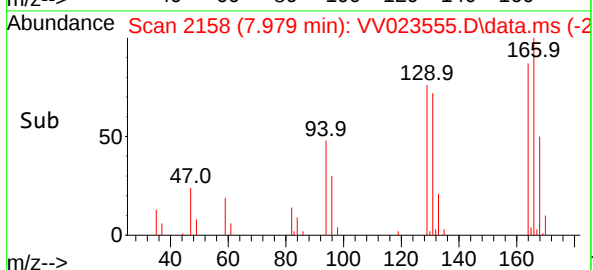
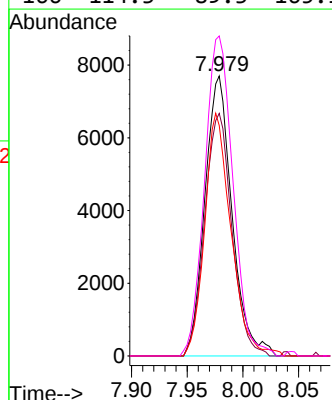
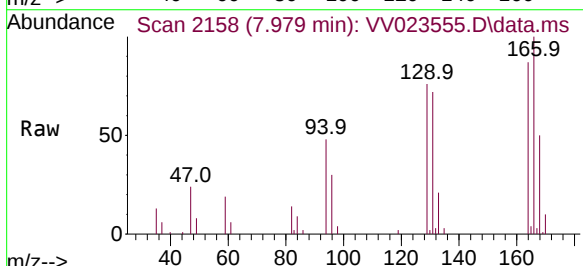
Ion Ratio Lower Upper

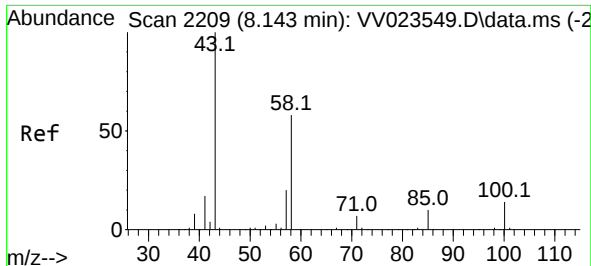
164 100

129 86.7 64.0 119.0

131 82.3 63.4 117.8

166 114.3 89.3 165.9

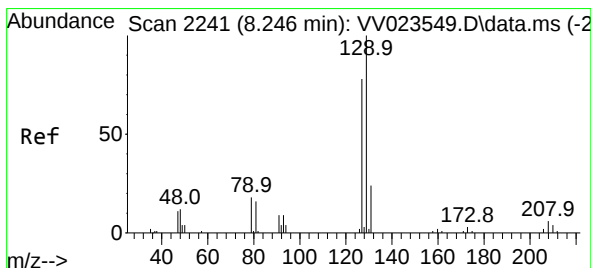
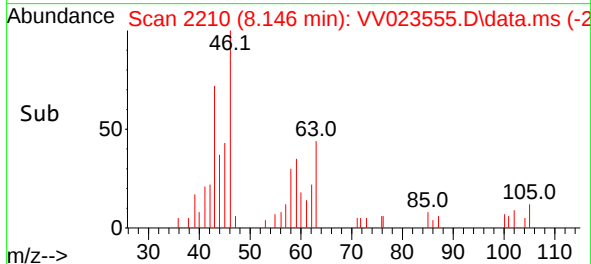
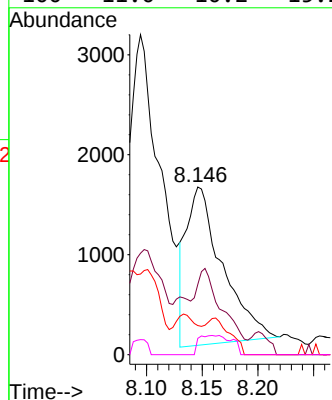
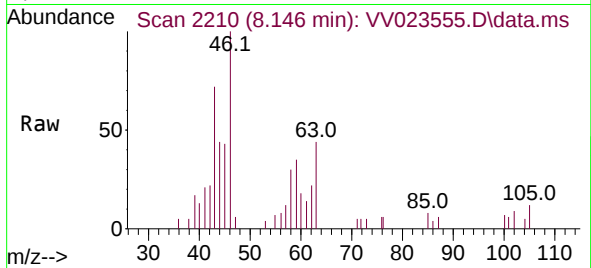




#48
2-Hexanone
Concen: 1.350 ug/L
RT: 8.146 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VV023555.D
Acq: 16 Nov 2021 23:57

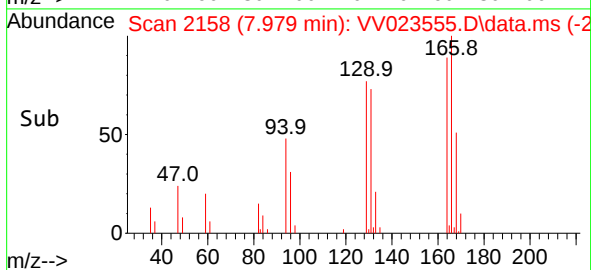
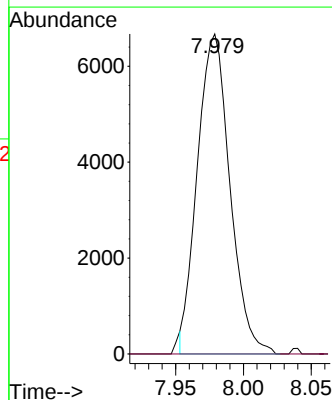
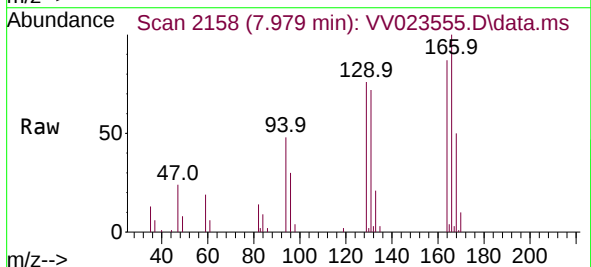
Instrument :
MSVOA_V
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H4638

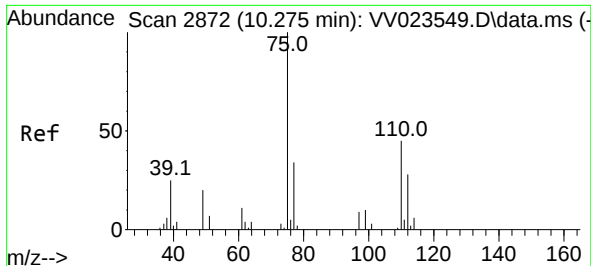
Tgt Ion: 43	Resp: 3578
Ion Ratio	Lower Upper
43 100	
58 41.8	43.7 65.5#
57 15.4	14.1 21.1
100 11.0	10.2 15.2



#49
Dibromochloromethane
Concen: 1.503 ug/L
RT: 7.979 min Scan# 2158
Delta R.T. -0.267 min
Lab File: VV023555.D
Acq: 16 Nov 2021 23:57

Tgt Ion:129	Resp:	11164	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	54.7	101.7#

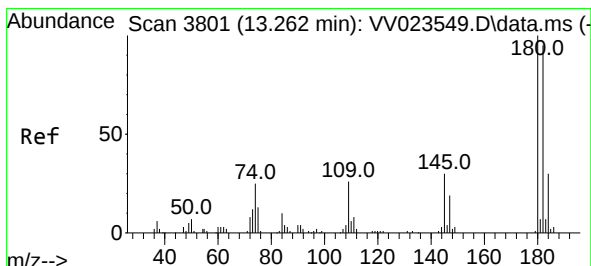
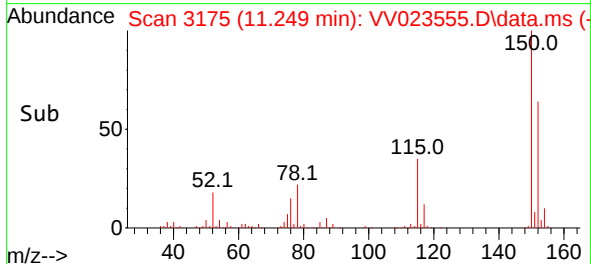
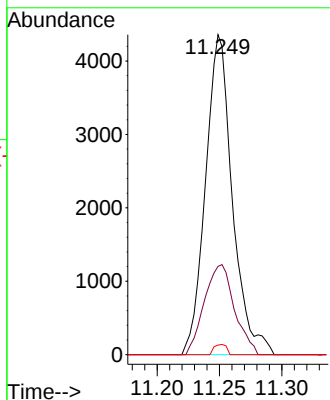
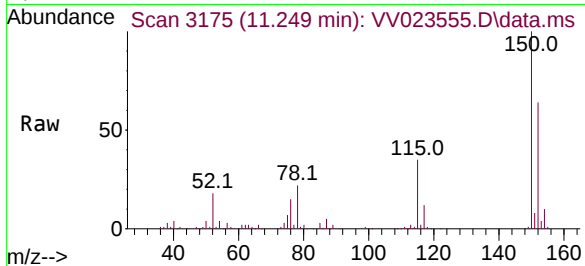




#61
 1,2,3-Trichloropropane
 Concen: 1.662 ug/L
 RT: 11.249 min Scan# 3175
 Delta R.T. 0.974 min
 Lab File: VV023555.D
 Acq: 16 Nov 2021 23:57

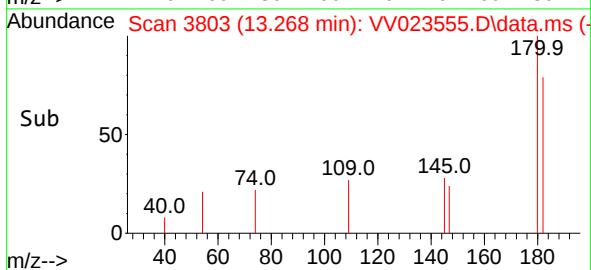
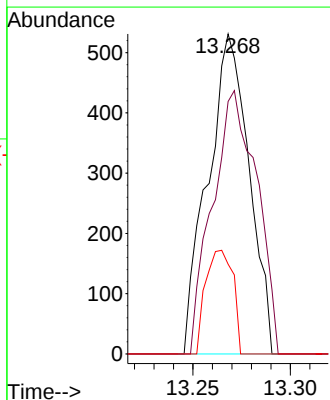
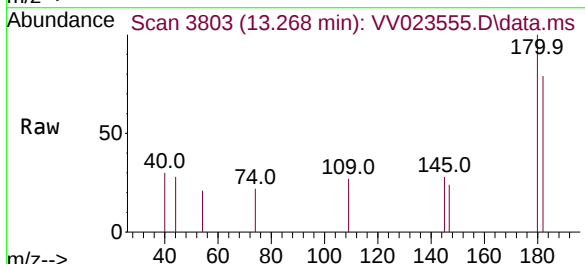
Instrument :
 MSVOA_V
 ClientSampleId :
 H4638

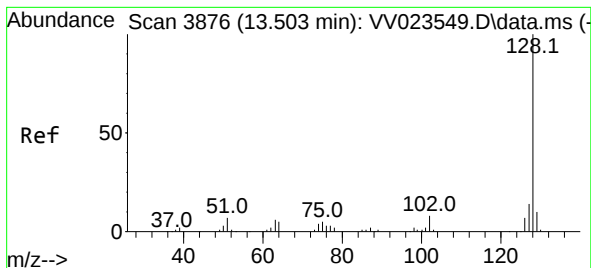
Tgt Ion: 75 Resp: 6531
 Ion Ratio Lower Upper
 75 100
 77 31.6 26.6 39.8
 110 1.5 31.8 47.6#



#70
 1,2,4-trichlorobenzene
 Concen: 0.072 ug/L
 RT: 13.268 min Scan# 3803
 Delta R.T. 0.006 min
 Lab File: VV023555.D
 Acq: 16 Nov 2021 23:57

Tgt Ion: 180 Resp: 781
 Ion Ratio Lower Upper
 180 100
 182 88.7 76.9 115.3
 145 21.4 24.4 36.6#





#71

Naphthalene

Concen: 0.110 ug/L

RT: 13.512 min Scan# 3879

Delta R.T. 0.009 min

Lab File: VV023555.D

Acq: 16 Nov 2021 23:57

Instrument :

MSVOA_V

ClientSampleId :

H4638

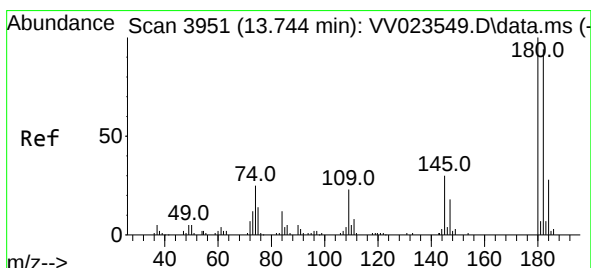
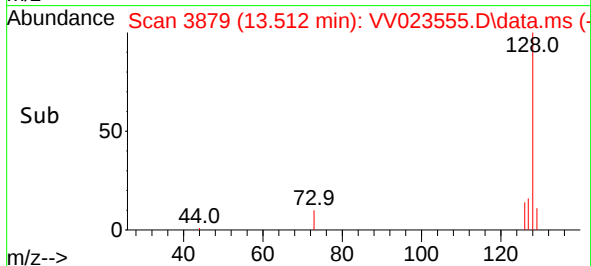
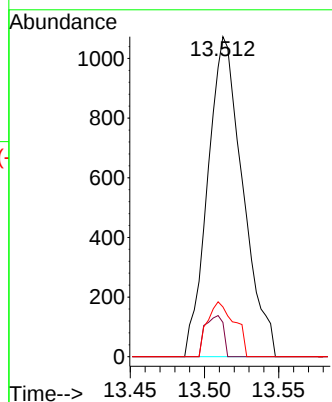
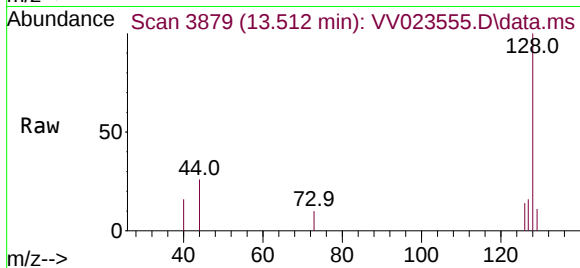
Tgt Ion:128 Resp: 1757

Ion Ratio Lower Upper

128 100

129 6.6 8.6 13.0#

127 13.3 10.5 15.7



#72

1,2,3-Trichlorobenzene

Concen: 0.073 ug/L

RT: 13.747 min Scan# 3952

Delta R.T. 0.003 min

Lab File: VV023555.D

Acq: 16 Nov 2021 23:57

Tgt Ion:180 Resp: 696

Ion Ratio Lower Upper

180 100

182 95.3 76.7 115.1

145 32.8 25.7 38.5

