

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100521\
 Data File : VW022606.D
 Acq On : 06 Oct 2021 06:39
 Operator : SY/MD
 Sample : M4052-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 06 08:10:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 06 07:50:25 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	99193	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	99356	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	45894	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	38093	11.986	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	239.800%#	
7) Chloroethane-d5	1.564	69	32763	7.648	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	153.000%#	
11) 1,1-Dichloroethene-d2	2.105	63	57431	6.228	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	124.600%	
20) 2-Butanone-d5	3.886	46	87415	46.531	ug/L	-0.03
Spiked Amount	50.000	Range 40 - 130	Recovery	=	93.060%	
24) Chloroform-d	4.349	84	67651	5.528	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	110.600%	
26) 1,2-Dichloroethane-d4	5.037	65	35340	6.130	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	122.600%	
32) Benzene-d6	5.053	84	137012	6.120	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	122.400%	
36) 1,2-Dichloropropane-d6	6.072	67	42501	5.380	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	107.600%	
41) Toluene-d8	7.317	98	119670	6.376	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	127.600%	
43) trans-1,3-Dichloroprop...	7.625	79	11349	5.429	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	108.600%	
46) 2-Hexanone-d5	8.091	63	61445	47.471	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	94.940%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	29913	4.984	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	99.600%	
66) 1,2-Dichlorobenzene-d4	11.625	152	46447	6.543	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	130.800%#	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.117	96	3115	0.513	ug/L #	1
18) trans-1,2-Dichloroethene	2.764	96	600	0.091	ug/L #	70
19) 1,1-Dichloroethane	3.182	63	690	0.058	ug/L	92
22) cis-1,2-Dichloroethene	3.915	96	14517	2.020	ug/L	94
25) Chloroform	4.381	83	7634	0.588	ug/L	98
27) 1,2-Dichloroethane	5.047	62	883	0.128	ug/L #	74
31) Carbon tetrachloride	4.831	117	2706	0.269	ug/L	99
34) Trichloroethene	5.915	95	114449	14.708	ug/L	99
35) Methylcyclohexane	6.072	83	10812	0.992	ug/L #	21
37) 1,2-Dichloropropane	6.072	63	4853	0.742	ug/L #	84
39) cis-1,3-Dichloropropene	6.995	75	930	0.106	ug/L	91
42) Toluene	7.403	91	2277	0.081	ug/L	87
47) Tetrachloroethene	7.982	164	5444	0.900	ug/L	91
48) 2-Hexanone	8.146	43	6763	2.613	ug/L #	84
49) Dibromochloromethane	7.979	129	4662	0.811	ug/L #	12
61) 1,2,3-Trichloropropane	11.252	75	4946	1.454	ug/L #	64

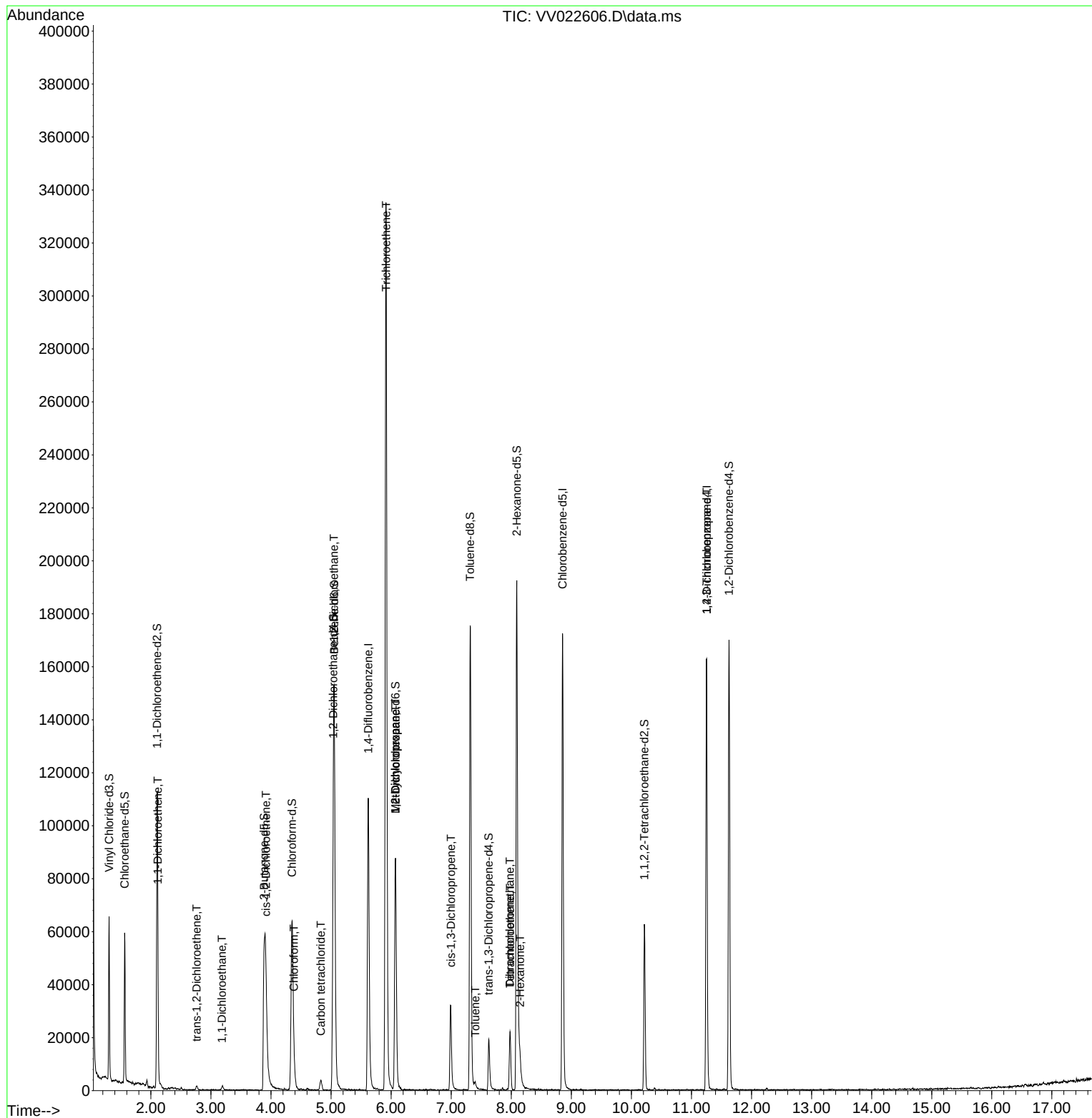
(#) = qualifier out of range (m) = manual integration (+) = signals summed

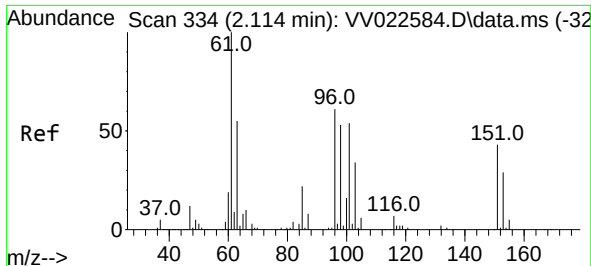
Instrument :
MSVOA_V
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100521\
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MSVOA_V
ClientSampleId :

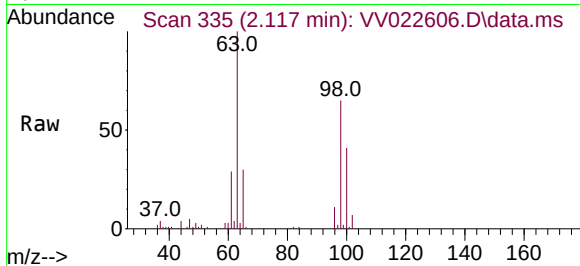
Quant Time: Oct 06 08:10:38 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100421WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Oct 06 07:50:25 2021
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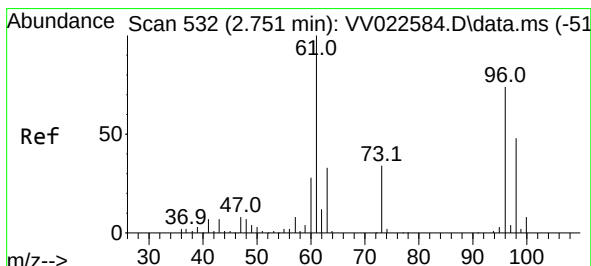
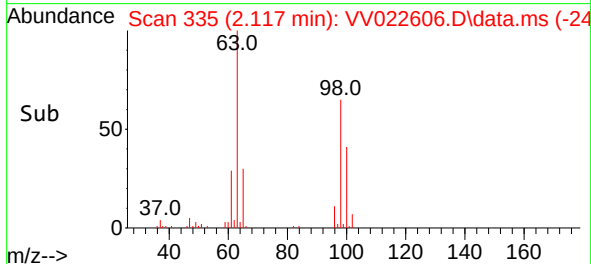
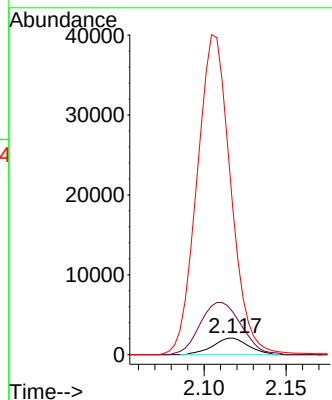


#12
1,1-Dichloroethene
Concen: 0.513 ug/L
RT: 2.117 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV022606.D
Acq: 06 Oct 2021 06:39

Instrument :
MSVOA_V
ClientSampled :

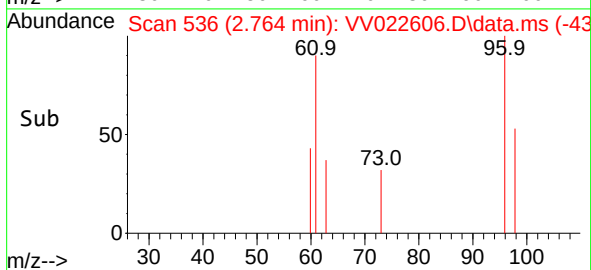
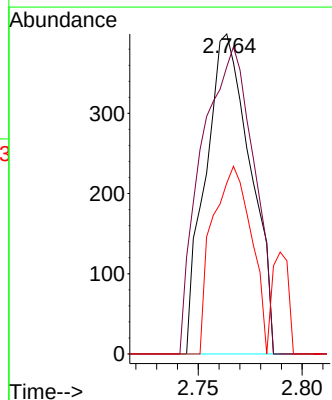
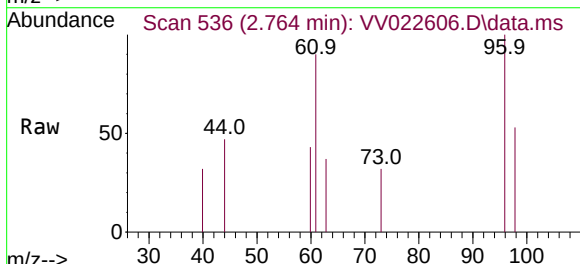


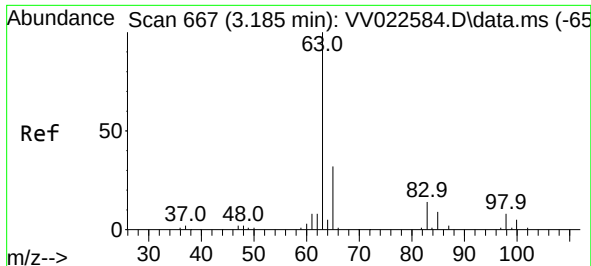
Tgt Ion: 96 Resp: 3115
Ion Ratio Lower Upper
96 100
61 257.9 113.2 210.2#
63 888.7 66.6 123.8#



#18
trans-1,2-Dichloroethene
Concen: 0.091 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.013 min
Lab File: VV022606.D
Acq: 06 Oct 2021 06:39

Tgt Ion: 96 Resp: 600
Ion Ratio Lower Upper
96 100
61 89.7 94.0 174.6#
98 53.4 44.9 83.3





#19

1,1-Dichloroethane

Concen: 0.058 ug/L

RT: 3.182 min Scan# 666

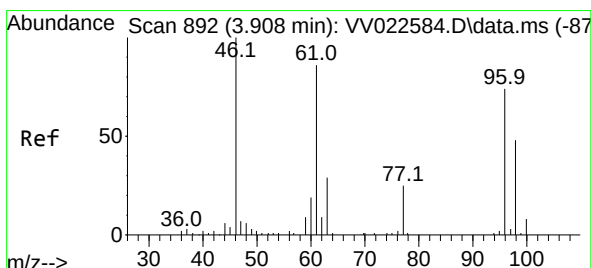
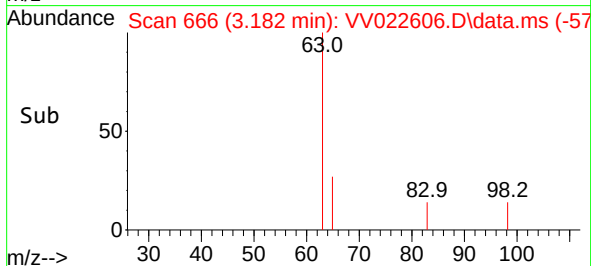
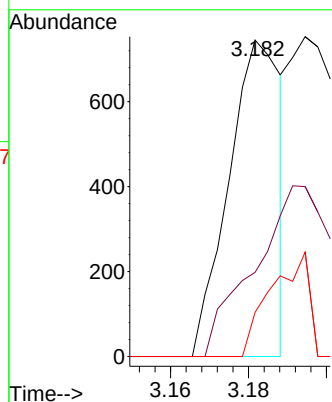
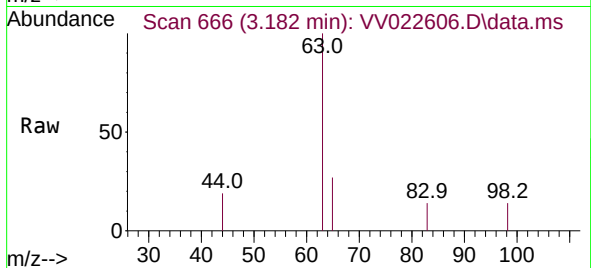
Delta R.T. -0.003 min

Lab File: VV022606.D

Acq: 06 Oct 2021 06:39

Tgt Ion: 63	Resp: 690		
Ion Ratio	Lower	Upper	
63 100			
65 26.6	22.8	42.4	
83 14.0	10.2	19.0	

Instrument :
MSVOA_V
ClientSampled :



#22

cis-1,2-Dichloroethene

Concen: 2.020 ug/L

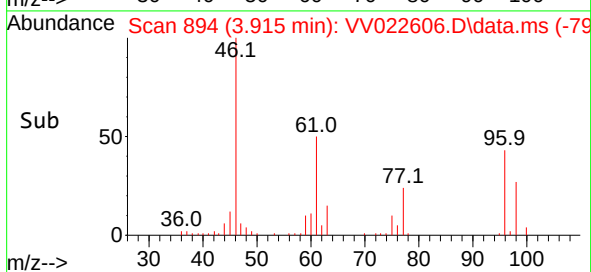
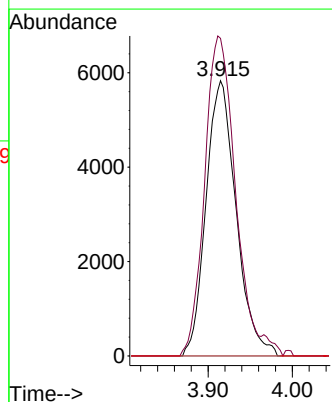
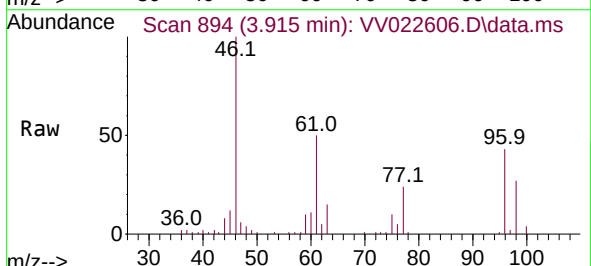
RT: 3.915 min Scan# 894

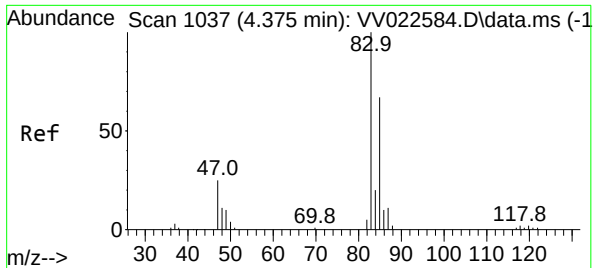
Delta R.T. 0.006 min

Lab File: VV022606.D

Acq: 06 Oct 2021 06:39

Tgt Ion: 96	Resp: 14517
Ion Ratio	Lower Upper
96 100	
61 115.4	85.6 159.0
68 0.0	0.0 0.0

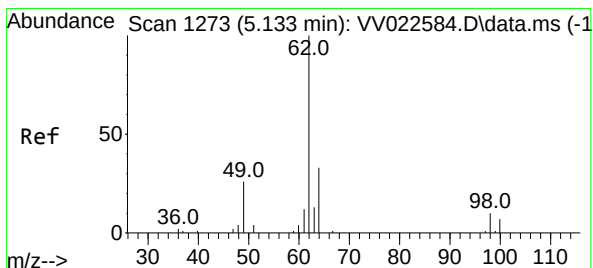
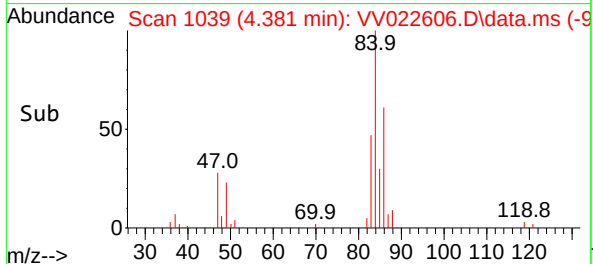
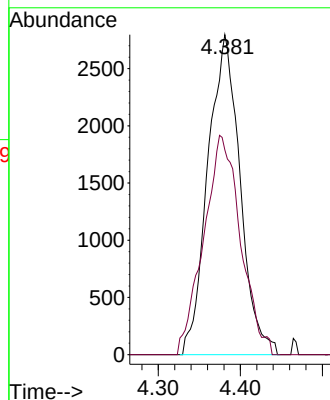
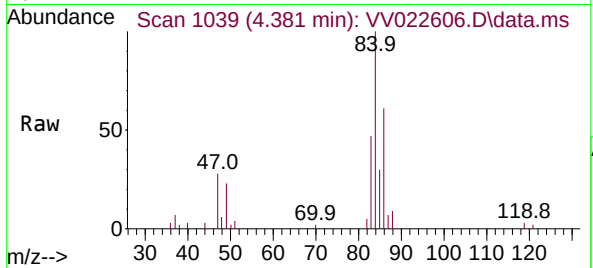




#25
Chloroform
Concen: 0.588 ug/L
RT: 4.381 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VV022606.D
Acq: 06 Oct 2021 06:39

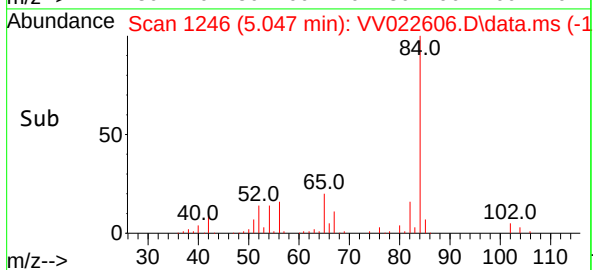
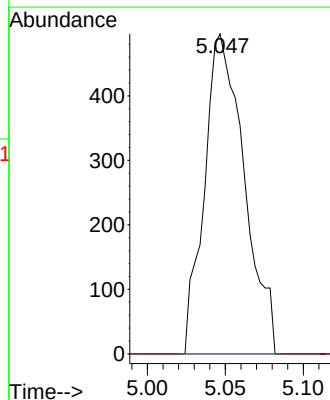
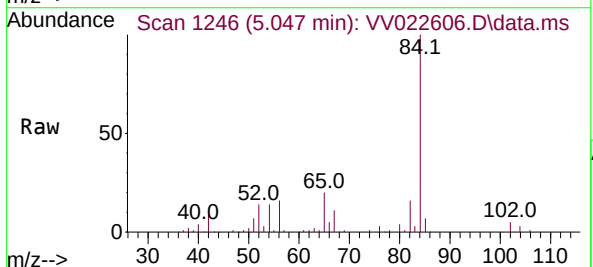
Instrument :
MSVOA_V
ClientSampled :

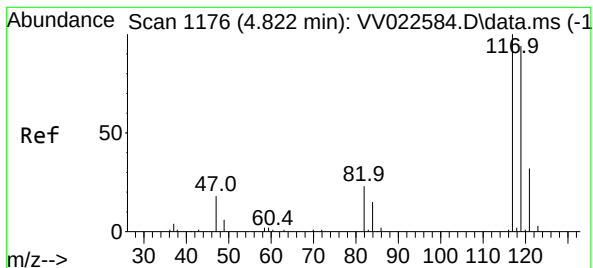
Tgt Ion: 83 Resp: 7634
Ion Ratio Lower Upper
83 100
85 64.0 45.6 84.8



#27
1,2-Dichloroethane
Concen: 0.128 ug/L
RT: 5.047 min Scan# 1246
Delta R.T. -0.087 min
Lab File: VV022606.D
Acq: 06 Oct 2021 06:39

Tgt Ion: 62 Resp: 883
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#





#31

Carbon tetrachloride

Concen: 0.269 ug/L

RT: 4.831 min Scan# 1179

Delta R.T. 0.010 min

Lab File: VV022606.D

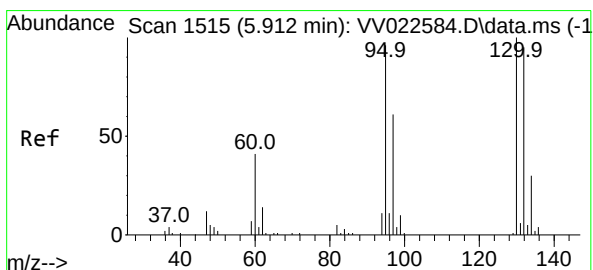
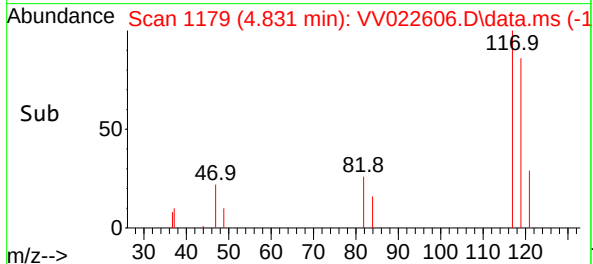
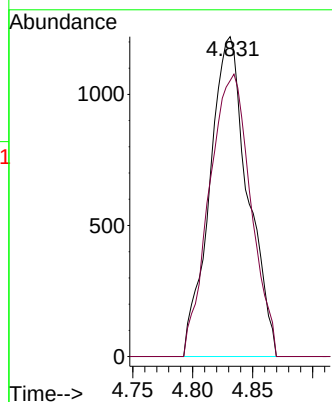
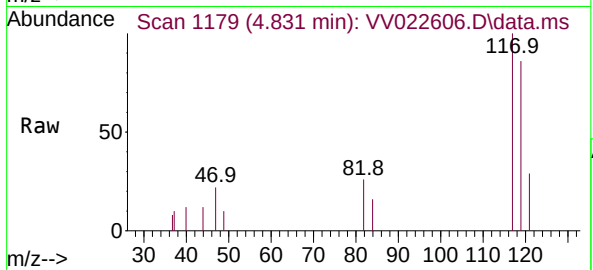
Acq: 06 Oct 2021 06:39

Tgt Ion: 117 Resp: 2706

Ion Ratio Lower Upper

117 100

119 95.6 76.9 115.3



#34

Trichloroethene

Concen: 14.708 ug/L

RT: 5.915 min Scan# 1516

Delta R.T. 0.003 min

Lab File: VV022606.D

Acq: 06 Oct 2021 06:39

Tgt Ion: 95 Resp: 114449

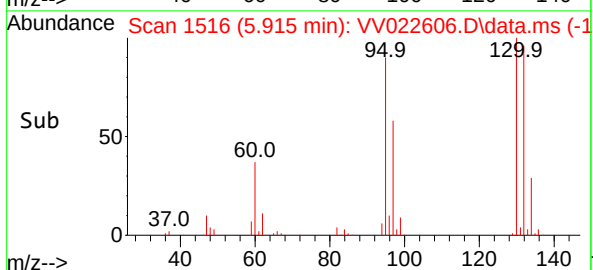
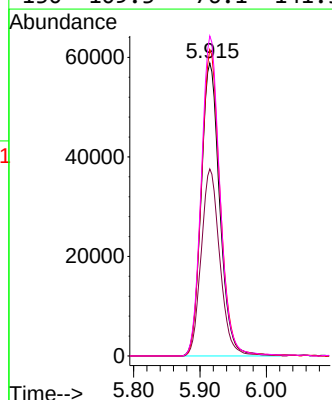
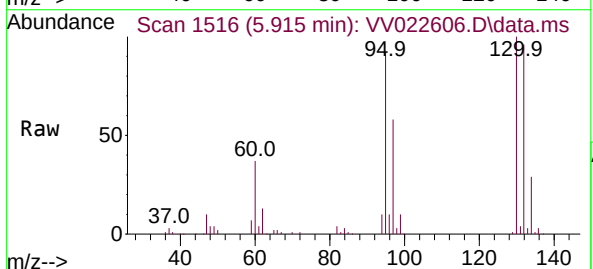
Ion Ratio Lower Upper

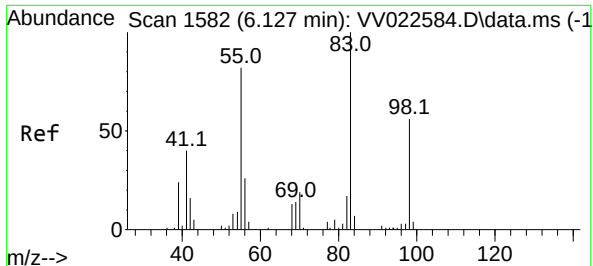
95 100

97 63.9 46.5 86.5

132 104.6 73.0 135.6

130 109.3 76.1 141.3





#35

Methylcyclohexane

Concen: 0.992 ug/L

RT: 6.072 min Scan# 1565

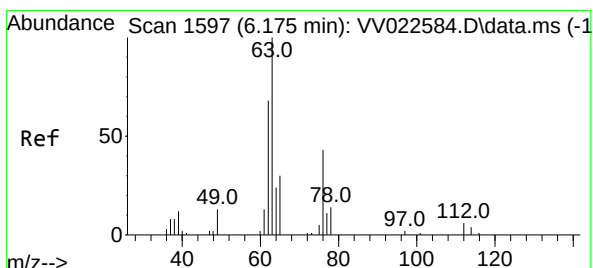
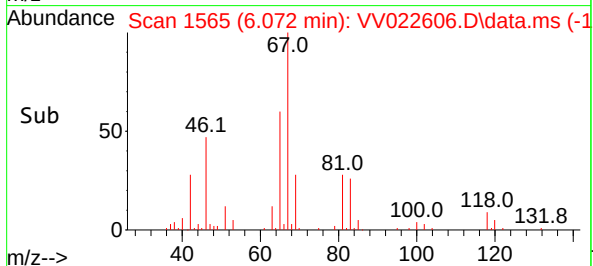
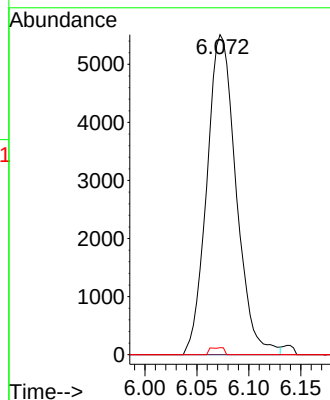
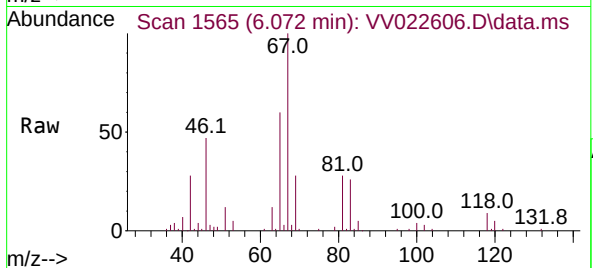
Delta R.T. -0.055 min

Lab File: VV022606.D

Acq: 06 Oct 2021 06:39

Tgt Ion:	83	Resp:	10812
Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.8	86.8#
98	2.8	39.8	59.8#

Instrument :
MSVOA_V
ClientSampled :



#37

1,2-Dichloropropane

Concen: 0.742 ug/L

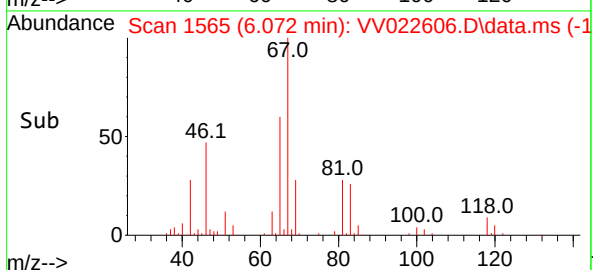
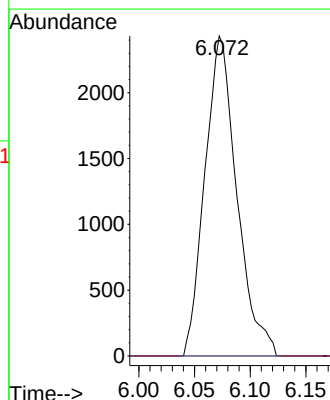
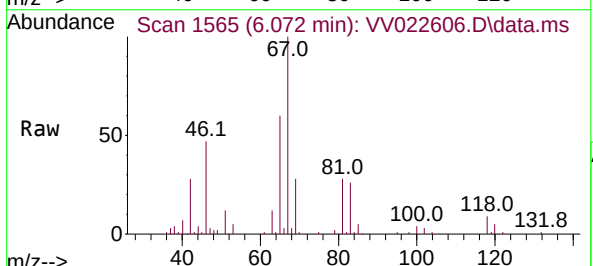
RT: 6.072 min Scan# 1565

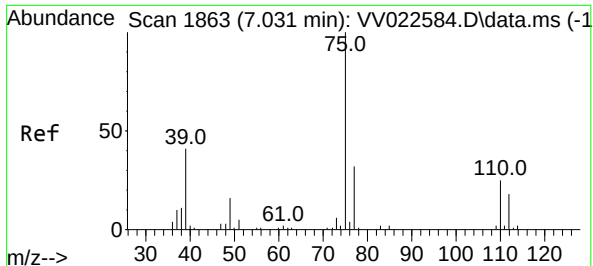
Delta R.T. -0.103 min

Lab File: VV022606.D

Acq: 06 Oct 2021 06:39

Tgt Ion:	63	Resp:	4853
Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.3	6.5#



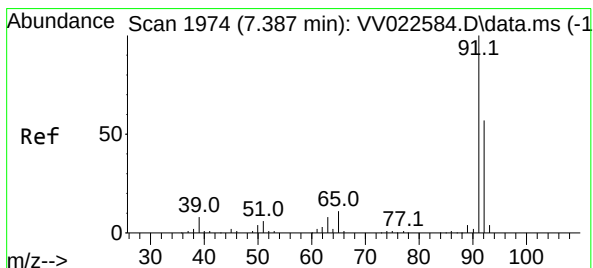
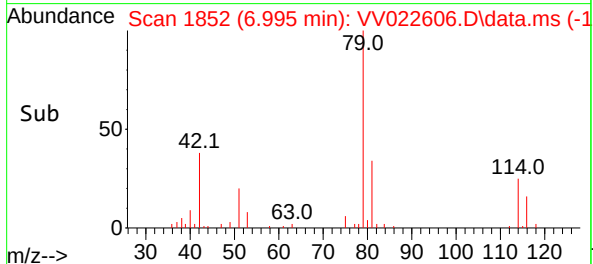
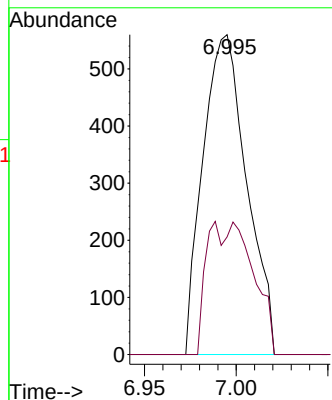
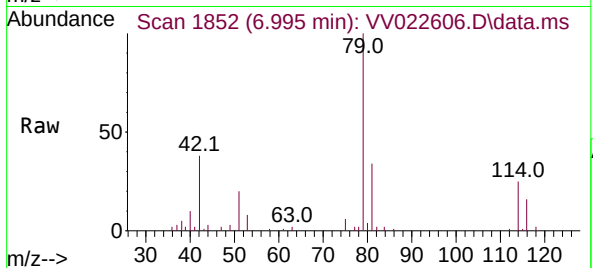


#39

cis-1,3-Dichloropropene
 Concen: 0.106 ug/L
 RT: 6.995 min Scan# 1852
 Delta R.T. -0.035 min
 Lab File: VV022606.D
 Acq: 06 Oct 2021 06:39

Instrument :
 MSVOA_V
 ClientSampled :

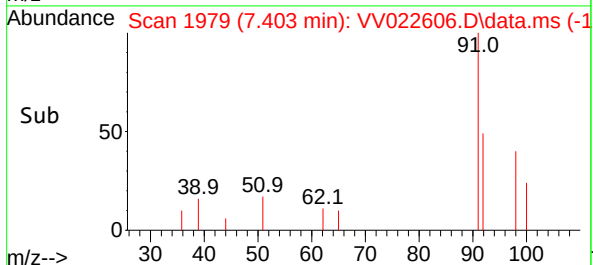
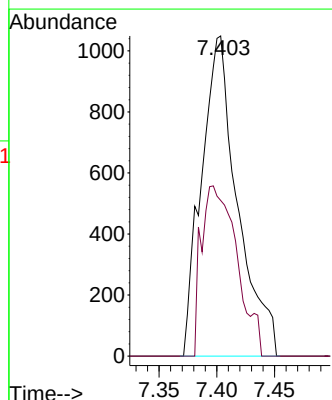
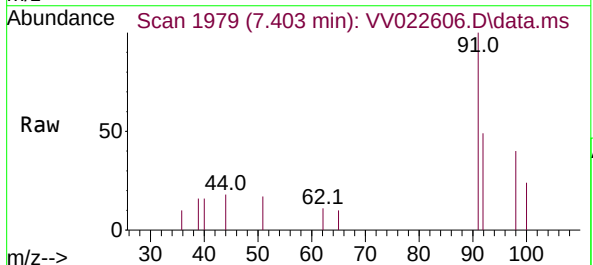
Tgt Ion: 75 Resp: 930
 Ion Ratio Lower Upper
 75 100
 77 36.8 22.4 41.6

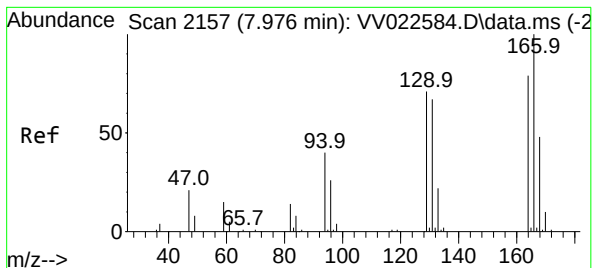


#42

Toluene
 Concen: 0.081 ug/L
 RT: 7.403 min Scan# 1979
 Delta R.T. 0.016 min
 Lab File: VV022606.D
 Acq: 06 Oct 2021 06:39

Tgt Ion: 91 Resp: 2277
 Ion Ratio Lower Upper
 91 100
 92 48.6 40.5 75.3





#47

Tetrachloroethene

Concen: 0.900 ug/L

RT: 7.982 min Scan# 2159

Delta R.T. 0.006 min

Lab File: VV022606.D

Acq: 06 Oct 2021 06:39

Tgt Ion:164 Resp: 5444

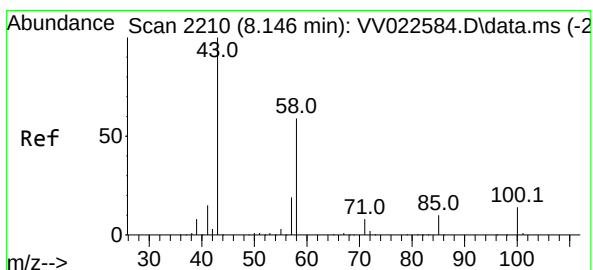
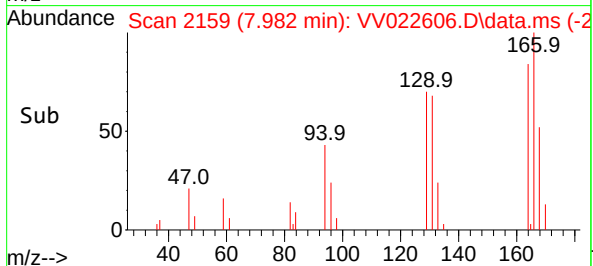
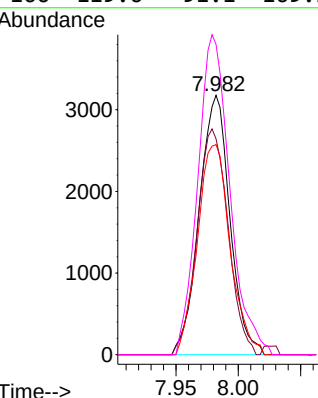
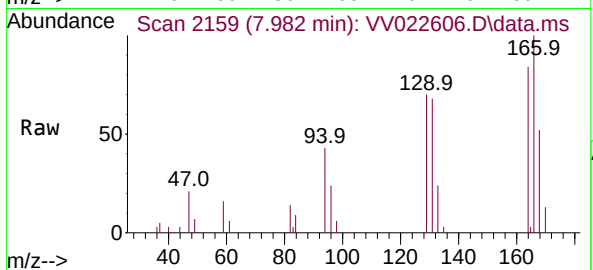
Ion Ratio Lower Upper

164 100

129 83.2 65.5 121.6

131 81.0 62.4 116.0

166 119.6 91.1 169.3



#48

2-Hexanone

Concen: 2.613 ug/L

RT: 8.146 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VV022606.D

Acq: 06 Oct 2021 06:39

Tgt Ion: 43 Resp: 6763

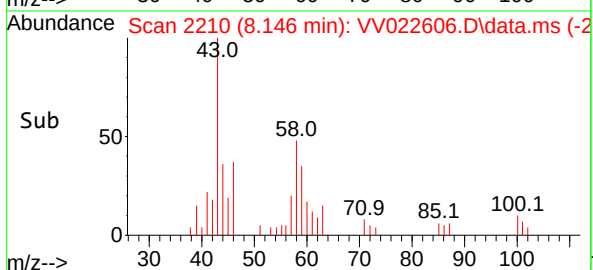
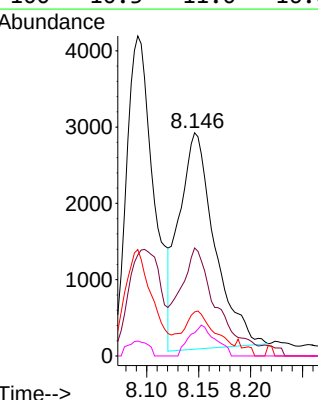
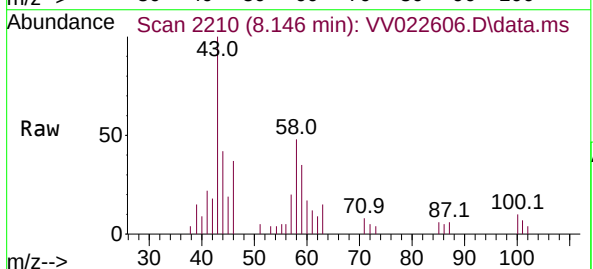
Ion Ratio Lower Upper

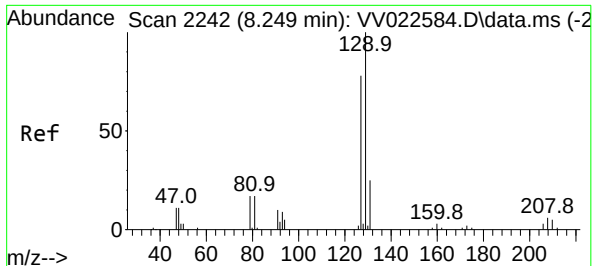
43 100

58 44.5 46.4 69.6#

57 13.2 16.3 24.5#

100 10.3 11.0 16.6#





#49

Dibromochloromethane

Concen: 0.811 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.270 min

Lab File: VV022606.D

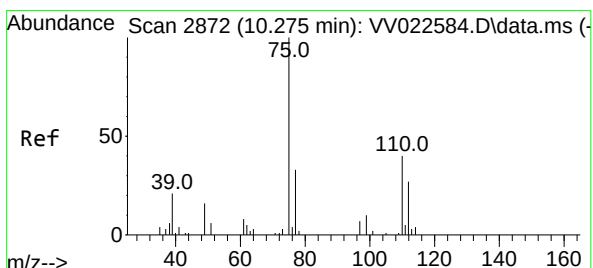
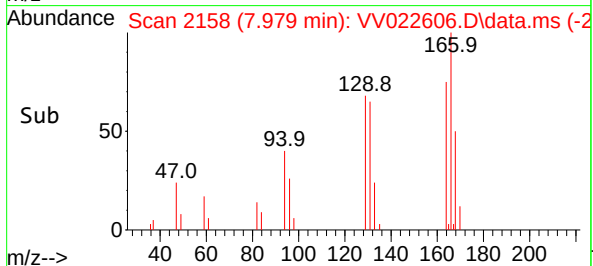
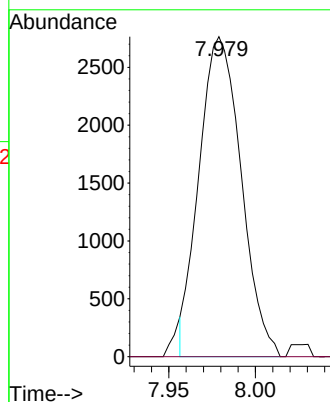
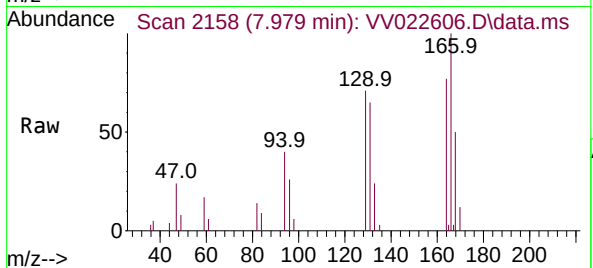
Acq: 06 Oct 2021 06:39

Tgt Ion:129 Resp: 4662

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.6#



#61

1,2,3-Trichloropropane

Concen: 1.454 ug/L

RT: 11.252 min Scan# 3176

Delta R.T. 0.977 min

Lab File: VV022606.D

Acq: 06 Oct 2021 06:39

Tgt Ion: 75 Resp: 4946

Ion Ratio Lower Upper

75 100

77 33.3 26.1 39.1

110 1.7 33.0 49.6#

