

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW100621\
 Data File : VW022619.D
 Acq On : 06 Oct 2021 13:00
 Operator : SY/MD
 Sample : M4051-12
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Oct 07 06:17:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 07 06:15:29 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	107554	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	107969	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	49466	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	37494	10.880	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	217.600%#	
7) Chloroethane-d5	1.565	69	34539	7.436	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	148.800%#	
11) 1,1-Dichloroethene-d2	2.105	63	63593	6.360	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	127.200%#	
20) 2-Butanone-d5	3.908	46	65010	31.915	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	63.820%	
24) Chloroform-d	4.349	84	72457	5.460	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	109.200%	
26) 1,2-Dichloroethane-d4	5.037	65	34379	5.500	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	110.000%	
32) Benzene-d6	5.050	84	142609	5.861	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	117.200%	
36) 1,2-Dichloropropane-d6	6.072	67	44403	5.173	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	103.400%	
41) Toluene-d8	7.317	98	123719	6.066	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	121.400%	
43) trans-1,3-Dichloroprop...	7.625	79	11472	5.050	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	101.000%	
46) 2-Hexanone-d5	8.092	63	58407	41.524	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	83.040%	
56) 1,1,2,2-Tetrachloroeth...	10.220	84	29922	4.588	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	91.800%	
66) 1,2-Dichlorobenzene-d4	11.625	152	47759	6.242	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	124.800%#	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.118	96	10459	1.587	ug/L #	31
19) 1,1-Dichloroethane	3.195	63	1264	0.098	ug/L #	83
22) cis-1,2-Dichloroethene	3.912	96	2429	0.312	ug/L	96
25) Chloroform	4.384	83	5461	0.388	ug/L	94
27) 1,2-Dichloroethane	5.053	62	732	0.098	ug/L #	74
29) 1,1,1-Trichloroethane	4.616	97	1146	0.093	ug/L #	37
31) Carbon tetrachloride	4.828	117	2751	0.251	ug/L	100
34) Trichloroethene	5.915	95	19479	2.304	ug/L	95
35) Methylcyclohexane	6.072	83	10646	0.898	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	5031	0.708	ug/L #	84
39) cis-1,3-Dichloropropene	6.982	75	941	0.098	ug/L	90
42) Toluene	7.400	91	2265	0.074	ug/L	100
47) Tetrachloroethene	7.979	164	15489	2.356	ug/L	92
48) 2-Hexanone	8.143	43	4981	1.771	ug/L #	81
49) Dibromochloromethane	7.979	129	13154	2.105	ug/L #	12
61) 1,2,3-Trichloropropane	11.249	75	4897	1.336	ug/L #	57

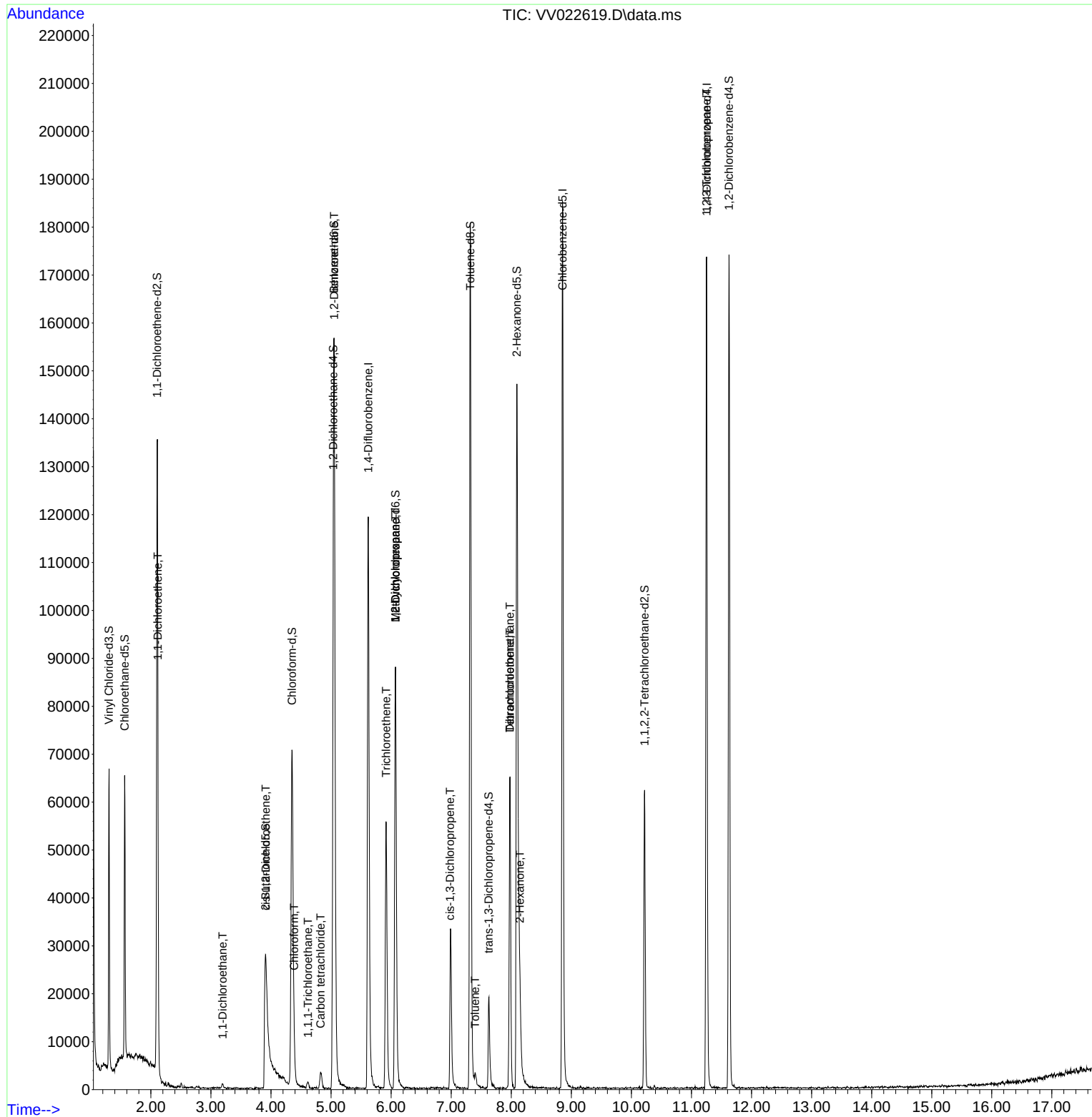
(#) = qualifier out of range (m) = manual integration (+) = signals summed

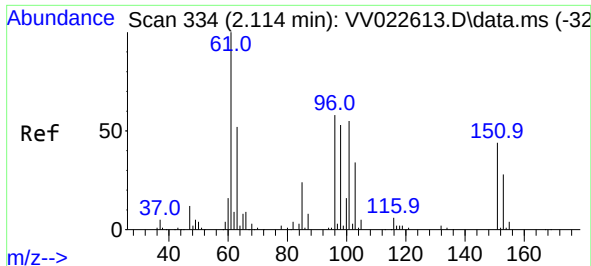
Instrument :
MSVOA_V
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV100621\
Data File : VV022619.D
Acq On : 06 Oct 2021 13:00
Operator : SY/MD
Sample : M4051-12
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Oct 07 06:17:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100421WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Oct 07 06:15:29 2021
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.587 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV022619.D

Acq: 06 Oct 2021 13:00

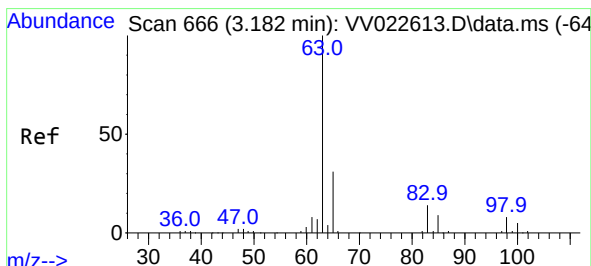
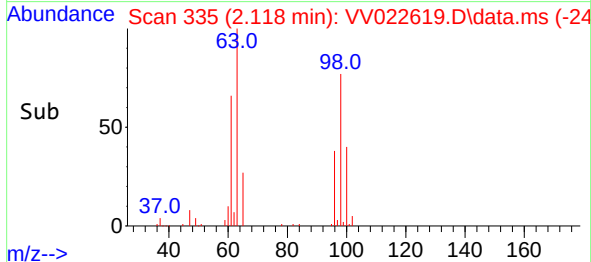
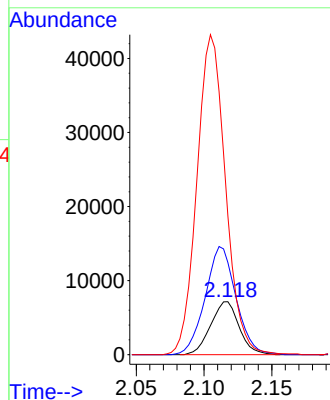
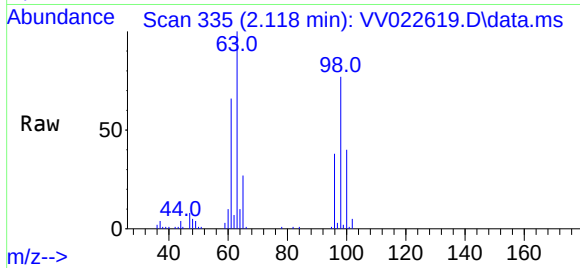
Tgt Ion: 96 Resp: 10459

Ion Ratio Lower Upper

96 100

61 173.7 113.2 210.2

63 261.8 66.6 123.8#



#19

1,1-Dichloroethane

Concen: 0.098 ug/L

RT: 3.195 min Scan# 670

Delta R.T. 0.013 min

Lab File: VV022619.D

Acq: 06 Oct 2021 13:00

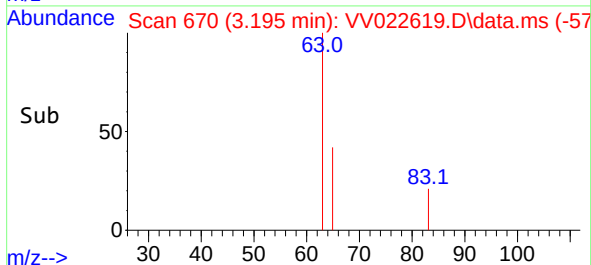
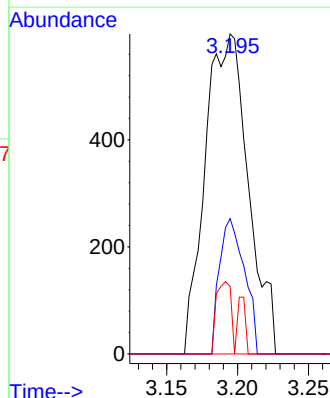
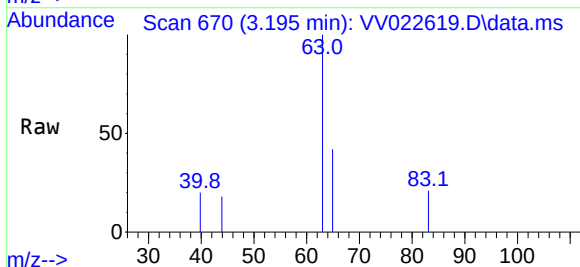
Tgt Ion: 63 Resp: 1264

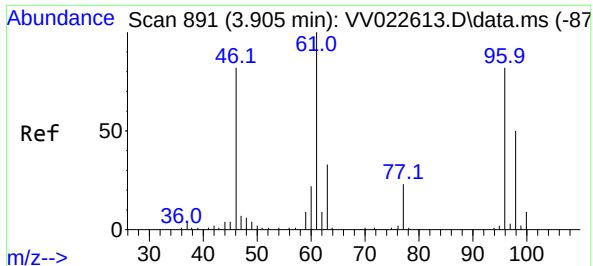
Ion Ratio Lower Upper

63 100

65 42.3 22.8 42.4

83 21.1 10.2 19.0#





#22

cis-1,2-Dichloroethene

Concen: 0.312 ug/L

RT: 3.912 min Scan# 893

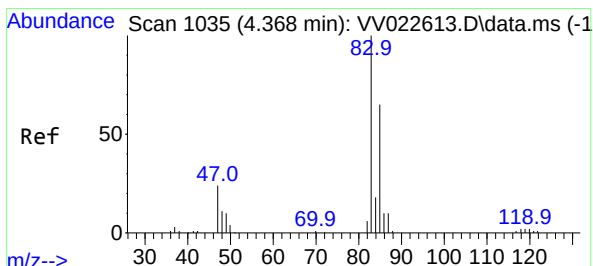
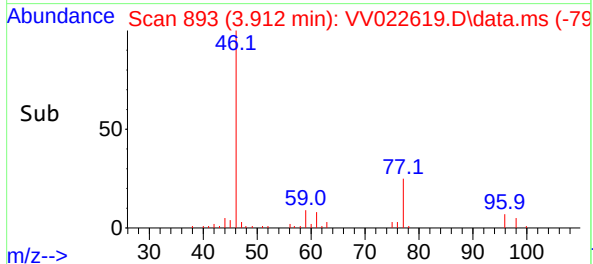
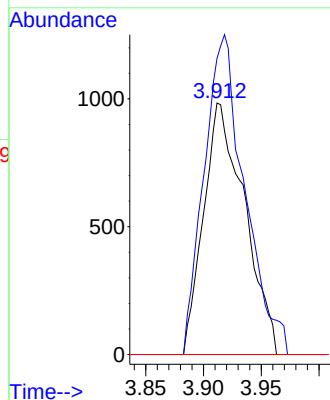
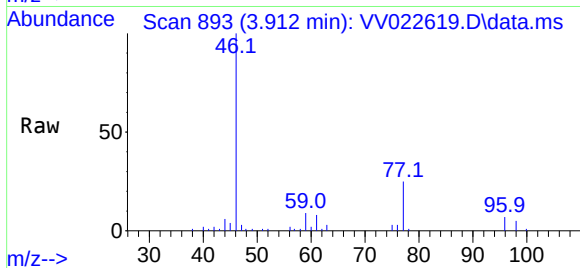
Delta R.T. 0.006 min

Lab File: VV022619.D

Acq: 06 Oct 2021 13:00

Tgt Ion: 96 Resp: 2429

Ion	Ratio	Lower	Upper
96	100		
61	117.7	85.6	159.0
68	0.0	0.0	0.0



#25

Chloroform

Concen: 0.388 ug/L

RT: 4.384 min Scan# 1040

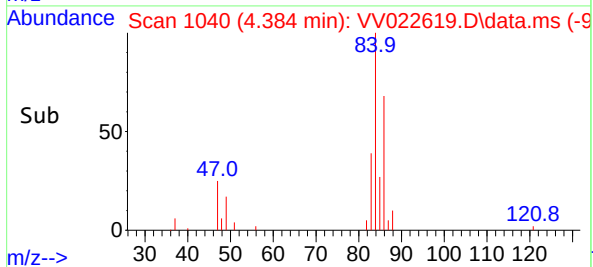
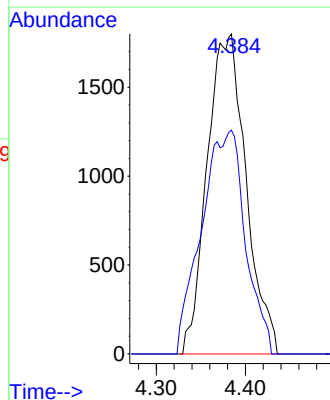
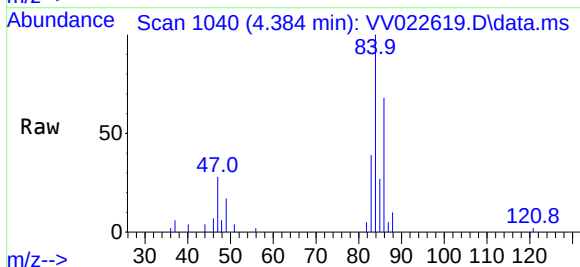
Delta R.T. 0.016 min

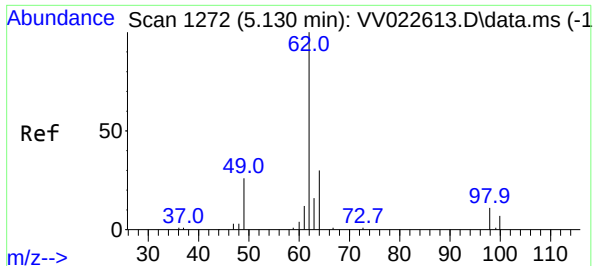
Lab File: VV022619.D

Acq: 06 Oct 2021 13:00

Tgt Ion: 83 Resp: 5461

Ion	Ratio	Lower	Upper
83	100		
85	69.9	45.6	84.8

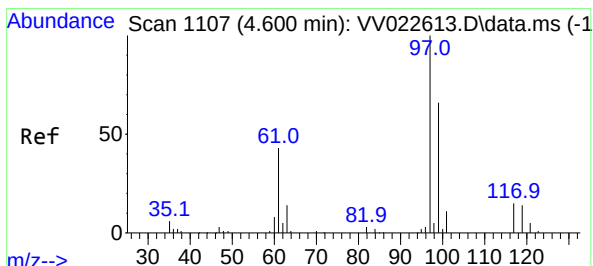
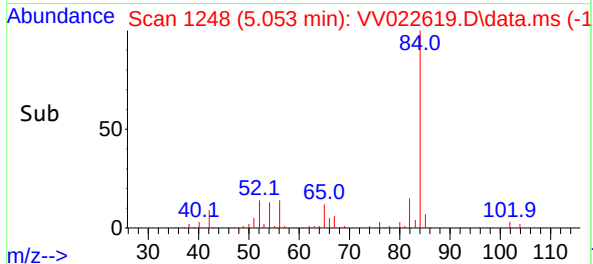
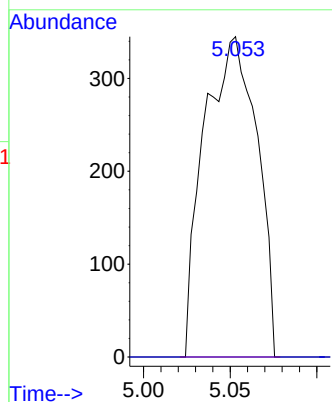
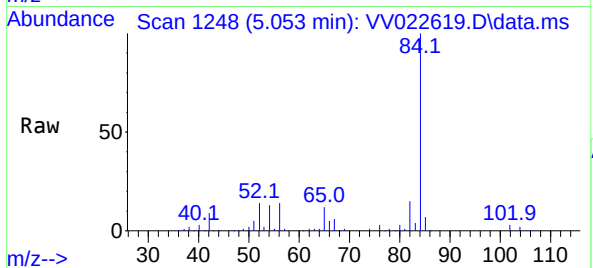




#27
1,2-Dichloroethane
Concen: 0.098 ug/L
RT: 5.053 min Scan# 1248
Delta R.T. -0.077 min
Lab File: VV022619.D
Acq: 06 Oct 2021 13:00

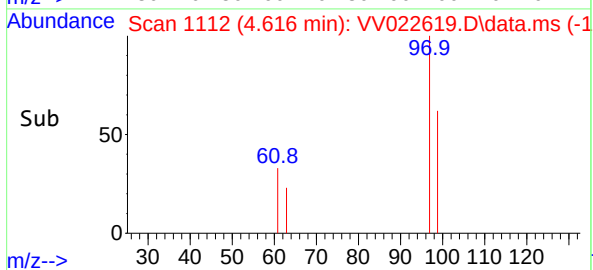
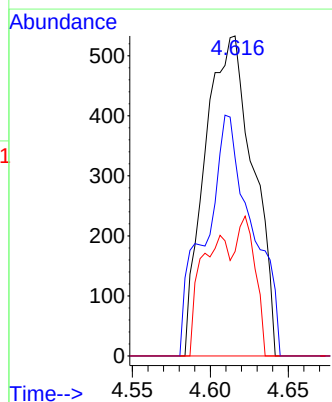
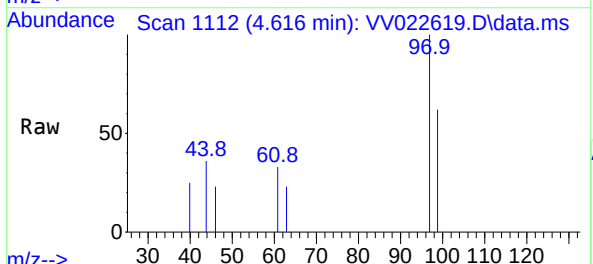
Instrument :
MSVOA_V
ClientSampleId :

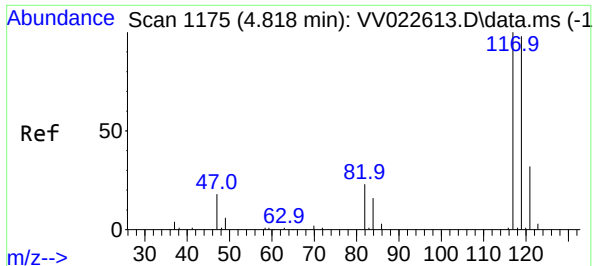
Tgt Ion: 62 Resp: 732
Ion Ratio Lower Upper
62 100
98 0.0 7.4 11.2#



#29
1,1,1-Trichloroethane
Concen: 0.093 ug/L
RT: 4.616 min Scan# 1112
Delta R.T. 0.016 min
Lab File: VV022619.D
Acq: 06 Oct 2021 13:00

Tgt Ion: 97 Resp: 1146
Ion Ratio Lower Upper
97 100
99 0.0 49.8 74.6#
61 18.1 32.5 48.7#

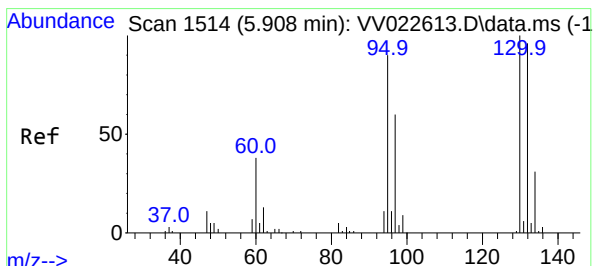
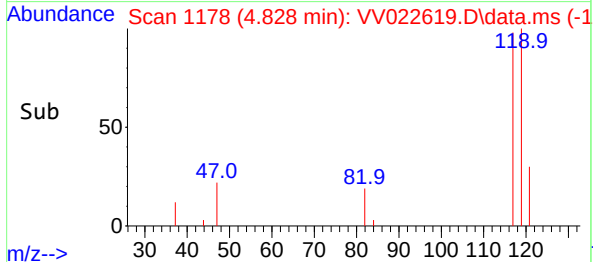
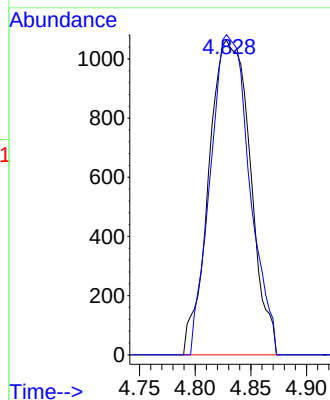
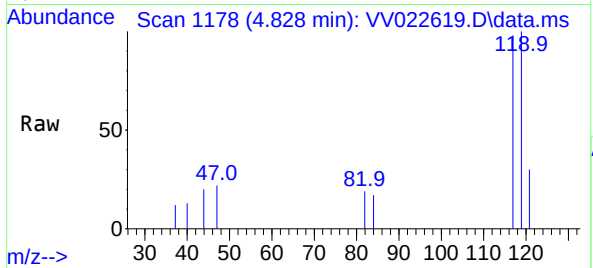




#31
Carbon tetrachloride
Concen: 0.251 ug/L
RT: 4.828 min Scan# 1178
Delta R.T. 0.010 min
Lab File: VV022619.D
Acq: 06 Oct 2021 13:00

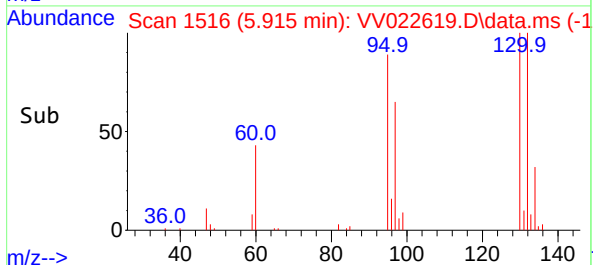
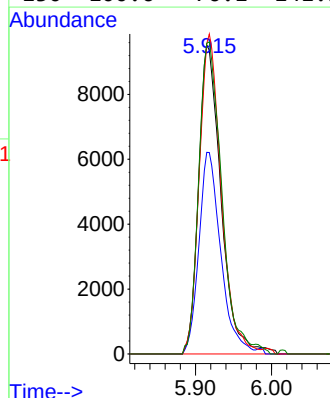
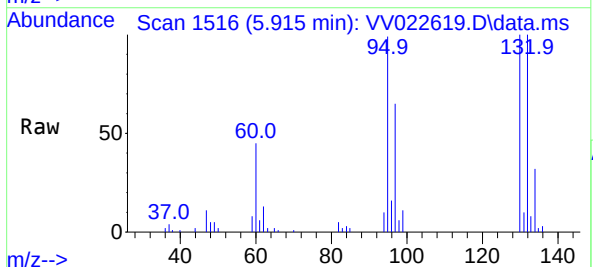
Instrument :
MSVOA_V
ClientSampled :

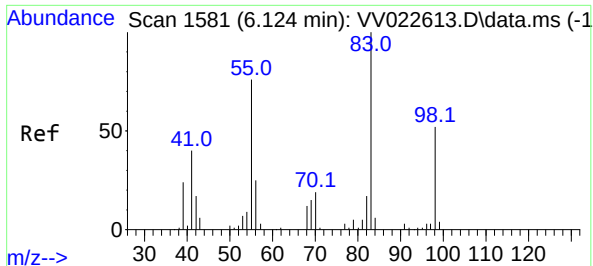
Tgt Ion:117 Resp: 2751
Ion Ratio Lower Upper
117 100
119 96.3 76.9 115.3



#34
Trichloroethene
Concen: 2.304 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VV022619.D
Acq: 06 Oct 2021 13:00

Tgt Ion: 95 Resp: 19479
Ion Ratio Lower Upper
95 100
97 65.3 46.5 86.5
132 100.4 73.0 135.6
130 100.6 76.1 141.3





#35

Methylcyclohexane

Concen: 0.898 ug/L

RT: 6.072 min Scan# 1565

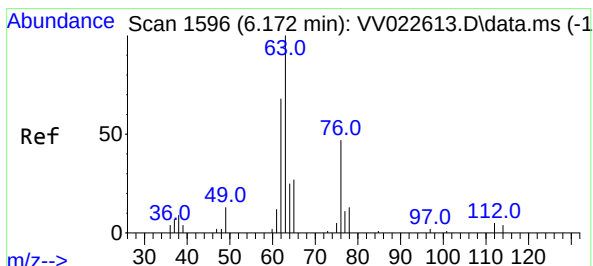
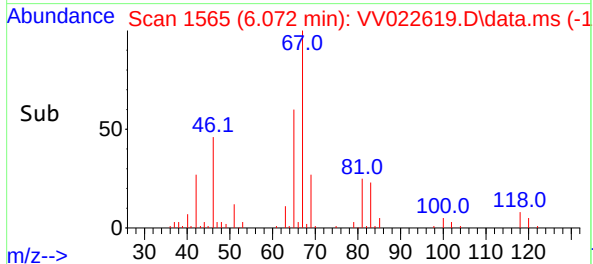
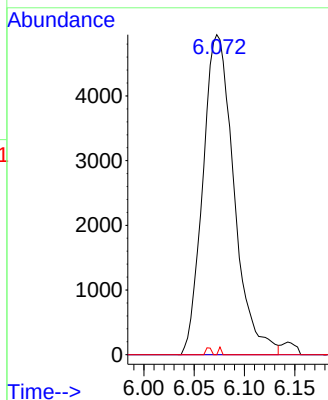
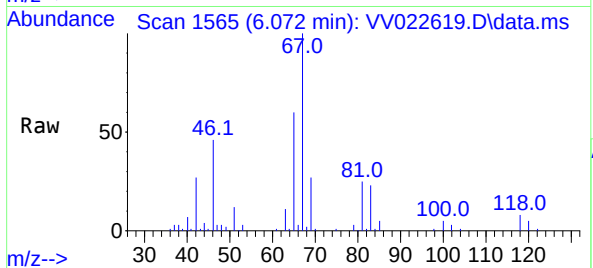
Delta R.T. -0.051 min

Lab File: VV022619.D

Acq: 06 Oct 2021 13:00

Tgt Ion:	83	Resp:	10646
Ion	Ratio	Lower	Upper
83	100		
55	0.0	57.8	86.8#
98	0.4	39.8	59.8#

Instrument :
MSVOA_V
ClientSampleId :



#37

1,2-Dichloropropane

Concen: 0.708 ug/L

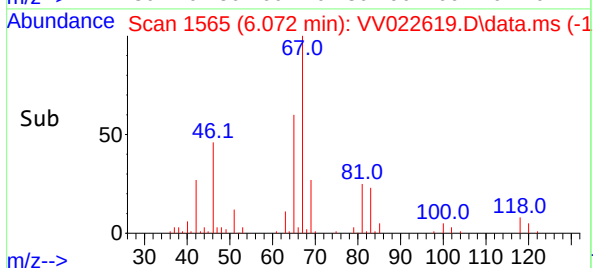
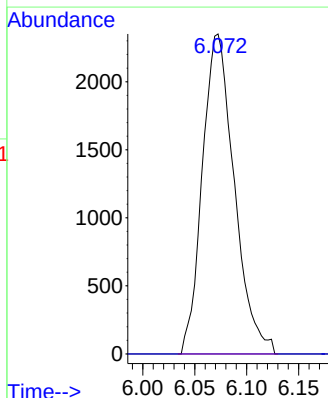
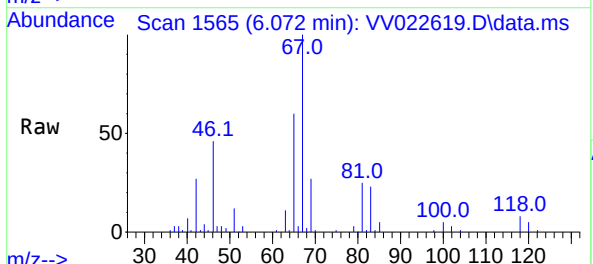
RT: 6.072 min Scan# 1565

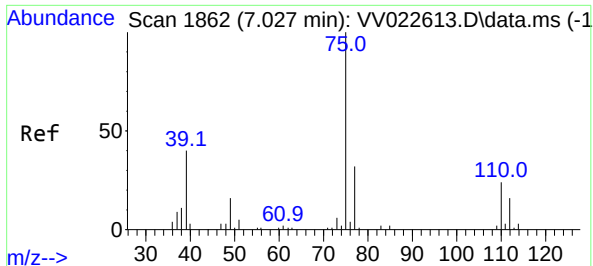
Delta R.T. -0.100 min

Lab File: VV022619.D

Acq: 06 Oct 2021 13:00

Tgt Ion:	63	Resp:	5031
Ion	Ratio	Lower	Upper
63	100		
112	0.0	4.3	6.5#



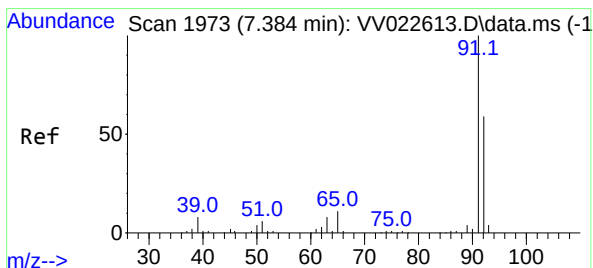
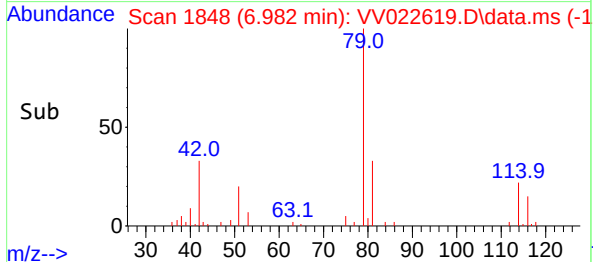
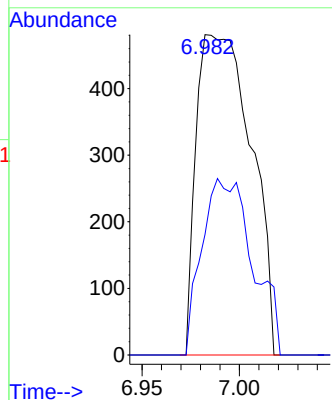
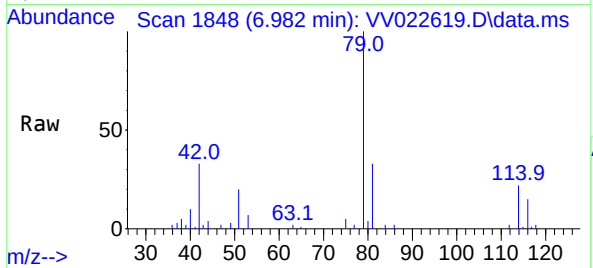


#39

cis-1,3-Dichloropropene
Concen: 0.098 ug/L
RT: 6.982 min Scan# 1848
Delta R.T. -0.045 min
Lab File: VV022619.D
Acq: 06 Oct 2021 13:00

Instrument :
MSVOA_V
ClientSampled :

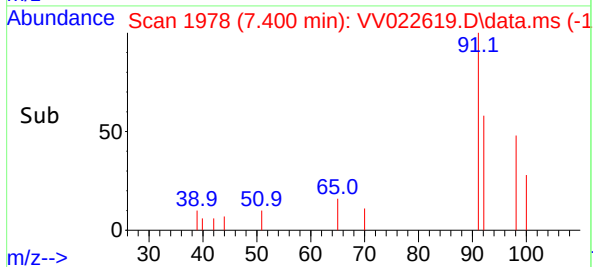
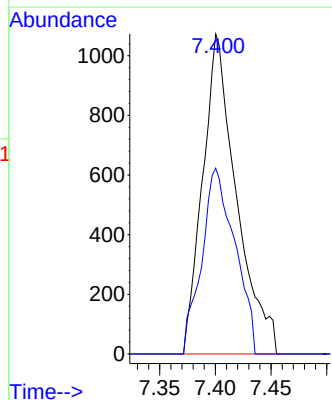
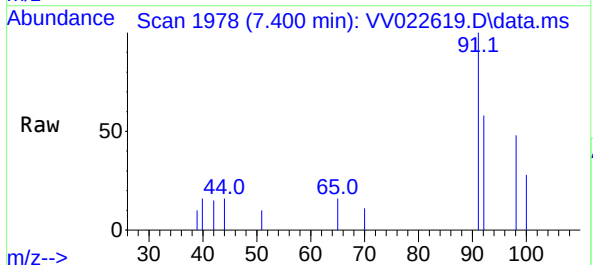
Tgt Ion: 75 Resp: 941
Ion Ratio Lower Upper
75 100
77 37.6 22.4 41.6

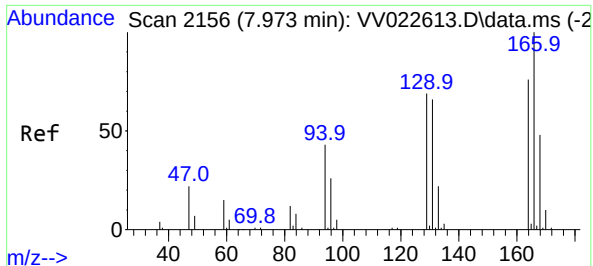


#42

Toluene
Concen: 0.074 ug/L
RT: 7.400 min Scan# 1978
Delta R.T. 0.016 min
Lab File: VV022619.D
Acq: 06 Oct 2021 13:00

Tgt Ion: 91 Resp: 2265
Ion Ratio Lower Upper
91 100
92 58.1 40.5 75.3





#47

Tetrachloroethene

Concen: 2.356 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.006 min

Lab File: VV022619.D

Acq: 06 Oct 2021 13:00

Tgt Ion:164 Resp: 15489

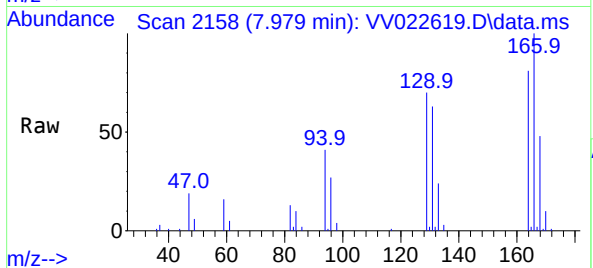
Ion Ratio Lower Upper

164 100

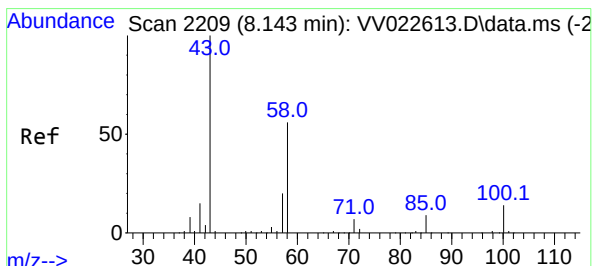
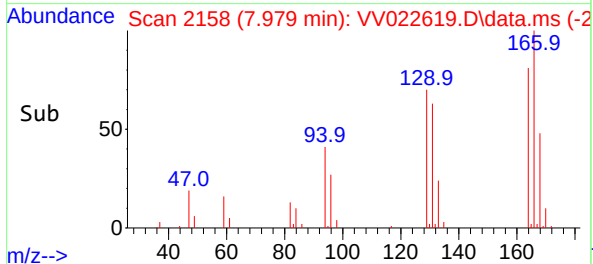
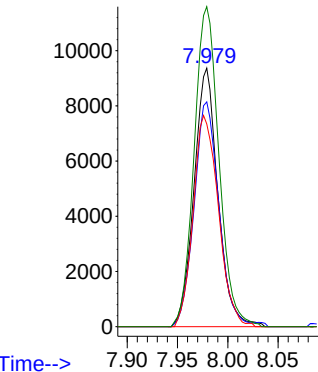
129 86.9 65.5 121.6

131 78.4 62.4 116.0

166 123.8 91.1 169.3



Abundance



#48

2-Hexanone

Concen: 1.771 ug/L

RT: 8.143 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VV022619.D

Acq: 06 Oct 2021 13:00

Tgt Ion: 43 Resp: 4981

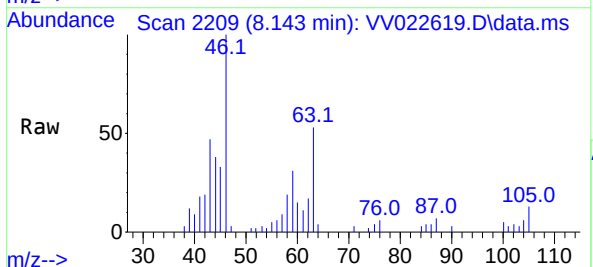
Ion Ratio Lower Upper

43 100

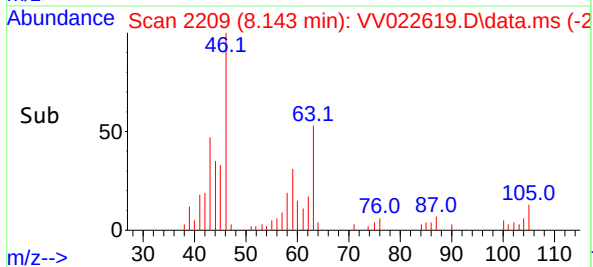
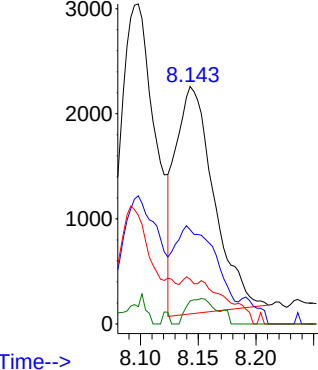
58 48.5 46.4 69.6

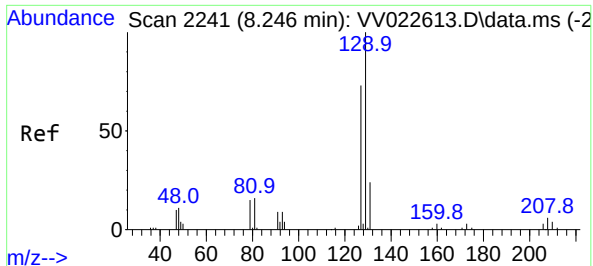
57 1.3 16.3 24.5#

100 8.9 11.0 16.6#



Abundance





#49

Dibromochloromethane

Concen: 2.105 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. -0.267 min

Lab File: VV022619.D

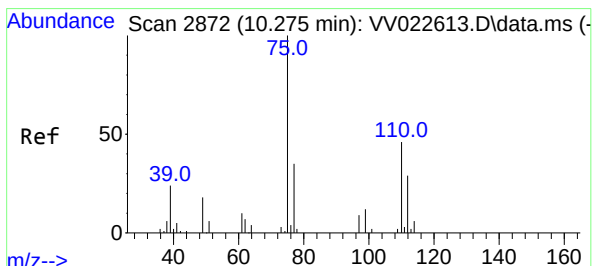
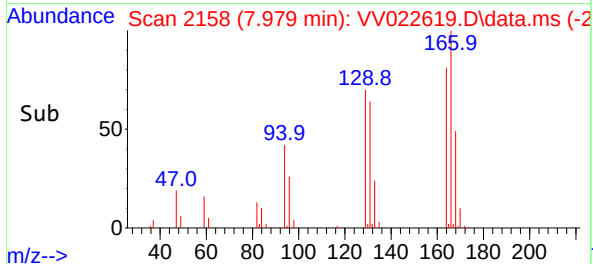
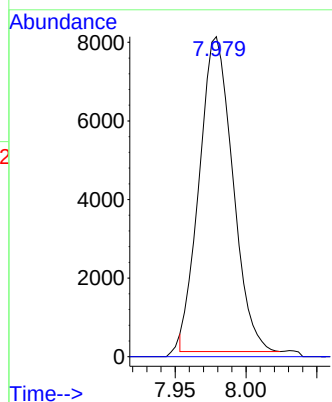
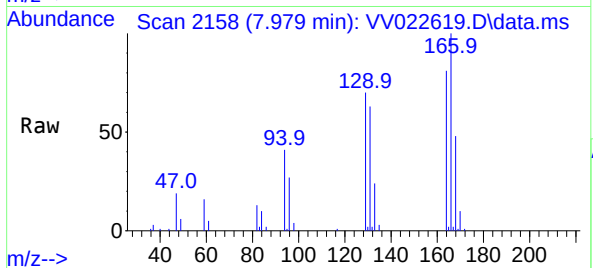
Acq: 06 Oct 2021 13:00

Tgt Ion: 129 Resp: 13154

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.6#



#61

1,2,3-Trichloropropane

Concen: 1.336 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.974 min

Lab File: VV022619.D

Acq: 06 Oct 2021 13:00

Tgt Ion: 75 Resp: 4897

Ion Ratio Lower Upper

75 100

77 40.4 26.1 39.1#

110 0.4 33.0 49.6#

