

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050523\
 Data File : VW030996.D
 Acq On : 05 May 2023 15:58
 Operator : SY/MD
 Sample : 02613-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA3

Quant Time: May 06 01:48:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 06 01:44:36 2023
 Response via : Initial Calibration

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

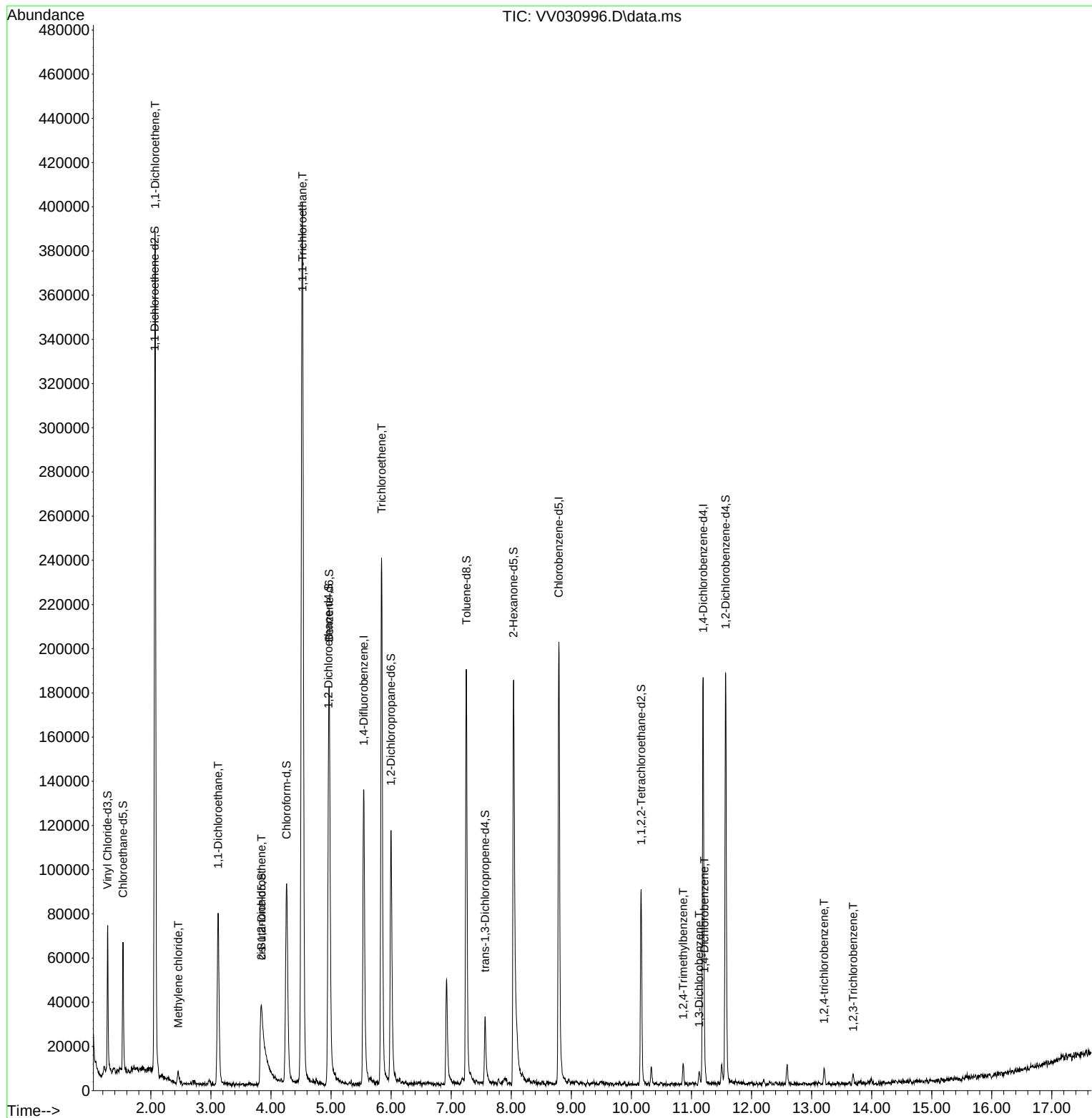
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	116860	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	111674	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	51298	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	42273	4.391	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	87.800%	
7) Chloroethane-d5	1.536	69	37100	4.724	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	94.400%	
11) 1,1-Dichloroethene-d2	2.063	65	22787	4.472	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	89.400%	
20) 2-Butanone-d5	3.841	46	98875	57.912	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	115.820%	
24) Chloroform-d	4.259	84	96417	5.039	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	100.800%	
26) 1,2-Dichloroethane-d4	4.957	65	49544	5.093	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	101.800%	
32) Benzene-d6	4.970	84	155700	4.756	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.200%	
36) 1,2-Dichloropropane-d6	5.998	67	48360	5.081	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	101.600%	
41) Toluene-d8	7.252	98	125964	4.041	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	80.800%	
43) trans-1,3-Dichloroprop...	7.564	79	18424	5.164	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	103.200%	
46) 2-Hexanone-d5	8.037	63	70588	56.467	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	112.940%	
56) 1,1,2,2-Tetrachloroeth...	10.162	84	38698	5.609	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	112.200%	
66) 1,2-Dichlorobenzene-d4	11.571	152	49449	5.171	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	103.400%	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.073	96	81965	10.422	ug/L #	74
16) Methylene chloride	2.458	84	2181	0.245	ug/L	97
19) 1,1-Dichloroethane	3.121	63	75312	5.429	ug/L	99
22) cis-1,2-Dichloroethene	3.841	96	4052	0.535	ug/L	73
29) 1,1,1-Trichloroethane	4.523	97	327749	23.356	ug/L	99
34) Trichloroethene	5.841	95	79037	10.555	ug/L	99
63) 1,2,4-Trimethylbenzene	10.863	105	4404	0.193	ug/L	96
64) 1,3-Dichlorobenzene	11.127	146	2313	0.163	ug/L	96
65) 1,4-Dichlorobenzene	11.217	146	1915	0.134	ug/L	93
70) 1,2,4-trichlorobenzene	13.207	180	2088	0.242	ug/L #	83
72) 1,2,3-Trichlorobenzene	13.693	180	1169	0.160	ug/L	97

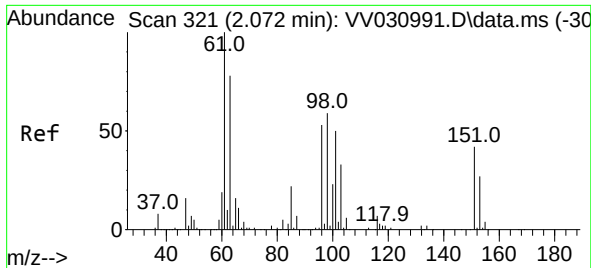
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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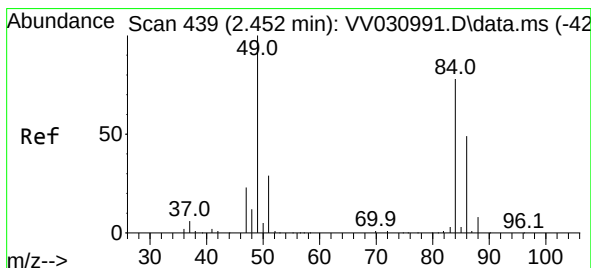
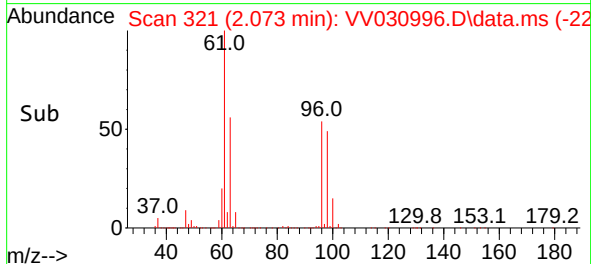
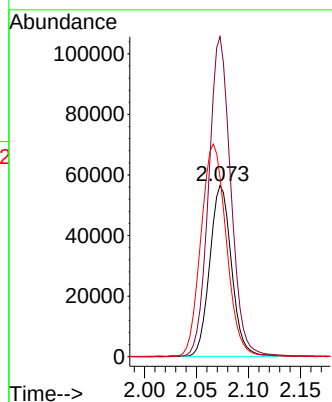
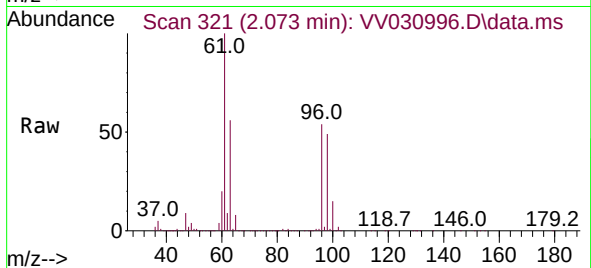




#12
1,1-Dichloroethene
Concen: 10.422 ug/L
RT: 2.073 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV030996.D
Acq: 05 May 2023 15:58

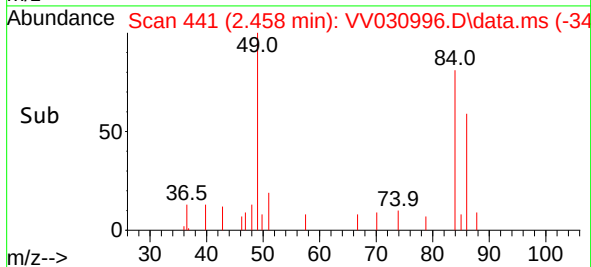
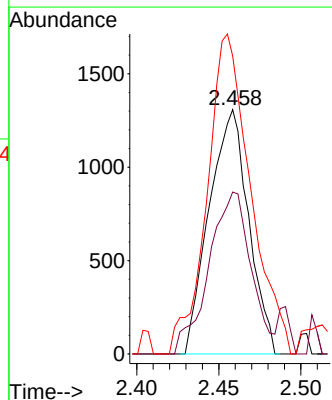
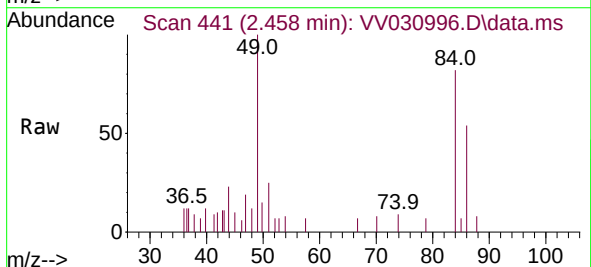
Instrument :
MSVOA_V
ClientSampleId :
C0AA3

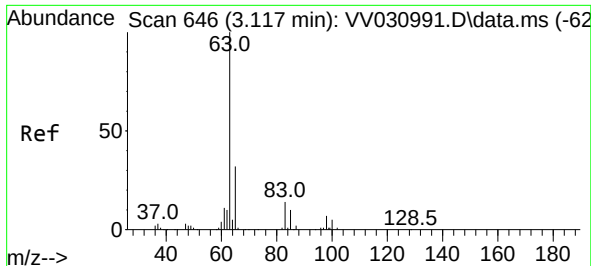
Tgt Ion: 96 Resp: 81965
Ion Ratio Lower Upper
96 100
61 186.9 135.6 251.8
63 104.9 121.1 224.9#



#16
Methylene chloride
Concen: 0.245 ug/L
RT: 2.458 min Scan# 441
Delta R.T. 0.007 min
Lab File: VV030996.D
Acq: 05 May 2023 15:58

Tgt Ion: 84 Resp: 2181
Ion Ratio Lower Upper
84 100
86 66.3 46.1 85.5
49 139.7 94.3 175.1





#19

1,1-Dichloroethane

Concen: 5.429 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030996.D

Acq: 05 May 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

C0AA3

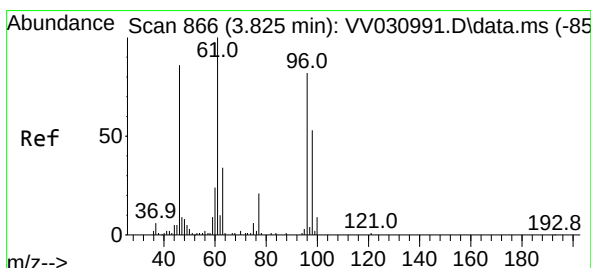
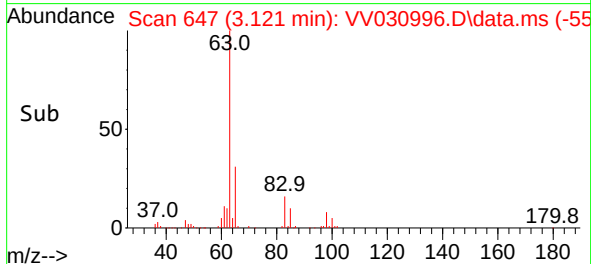
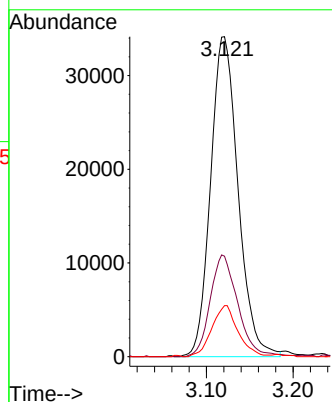
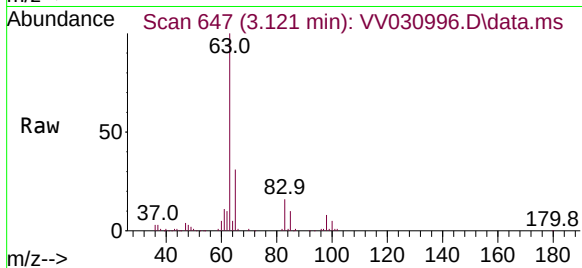
Tgt Ion: 63 Resp: 75312

Ion Ratio Lower Upper

63 100

65 31.4 21.8 40.6

83 16.0 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 0.535 ug/L

RT: 3.841 min Scan# 871

Delta R.T. 0.016 min

Lab File: VV030996.D

Acq: 05 May 2023 15:58

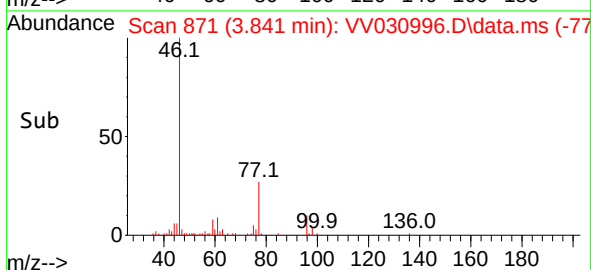
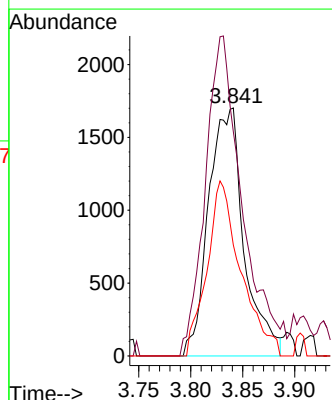
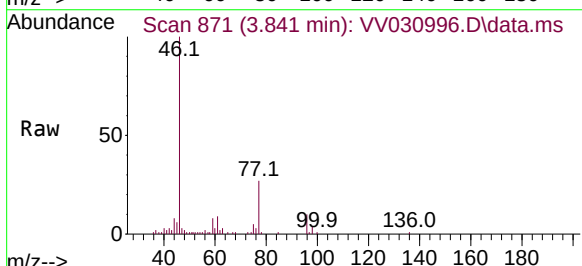
Tgt Ion: 96 Resp: 4052

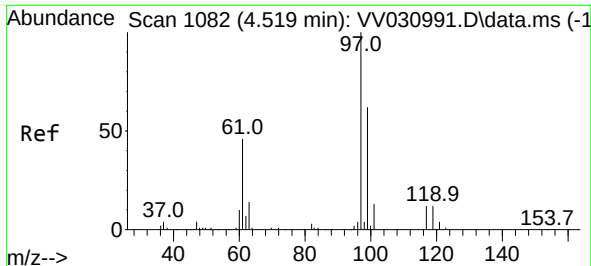
Ion Ratio Lower Upper

96 100

61 90.4 86.0 159.6

98 44.8 43.2 80.2





#29

1,1,1-Trichloroethane

Concen: 23.356 ug/L

RT: 4.523 min Scan# 1082

Delta R.T. 0.003 min

Lab File: VV030996.D

Acq: 05 May 2023 15:58

Instrument :

MSVOA_V

ClientSampleId :

C0AA3

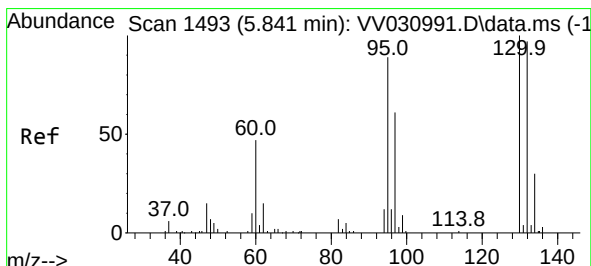
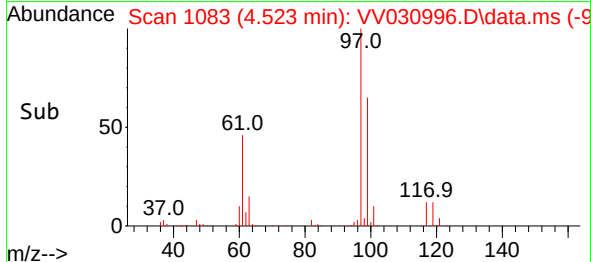
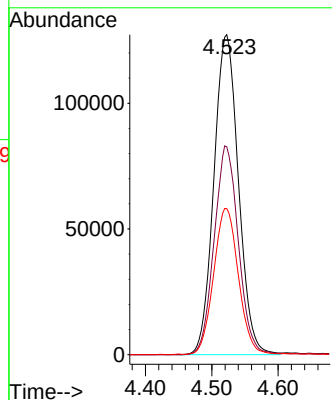
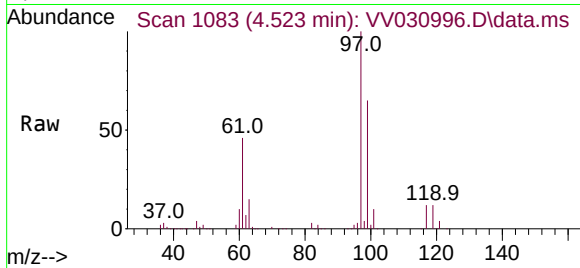
Tgt Ion: 97 Resp: 327749

Ion Ratio Lower Upper

97 100

99 64.2 51.4 77.2

61 45.8 37.4 56.0



#34

Trichloroethene

Concen: 10.555 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VV030996.D

Acq: 05 May 2023 15:58

Tgt Ion: 95 Resp: 79037

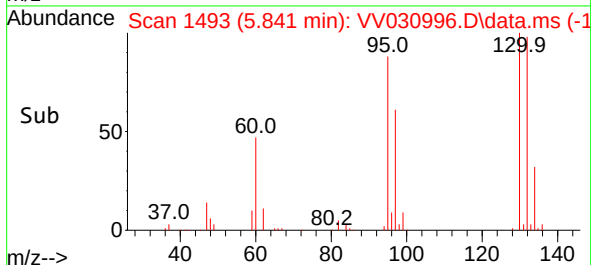
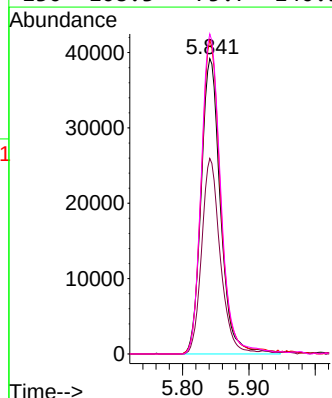
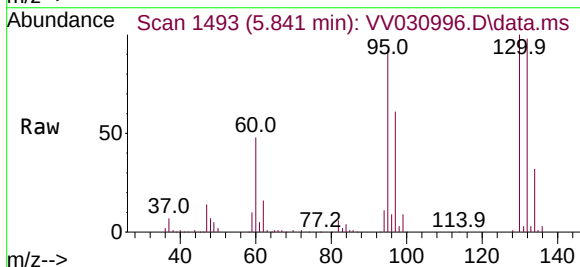
Ion Ratio Lower Upper

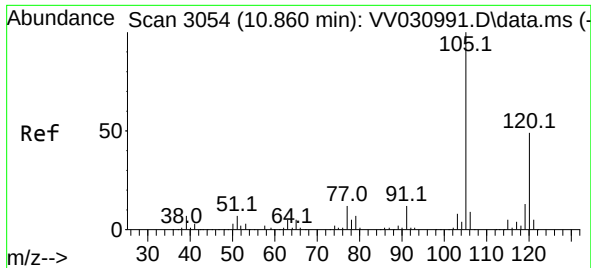
95 100

97 66.2 46.2 85.8

132 106.3 72.7 135.1

130 108.3 75.7 140.5

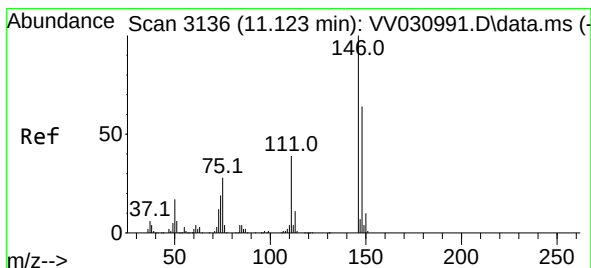
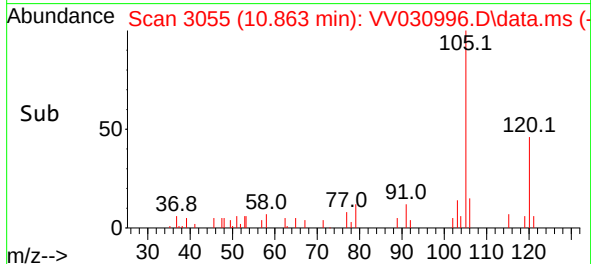
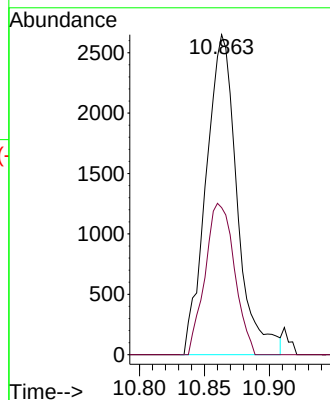
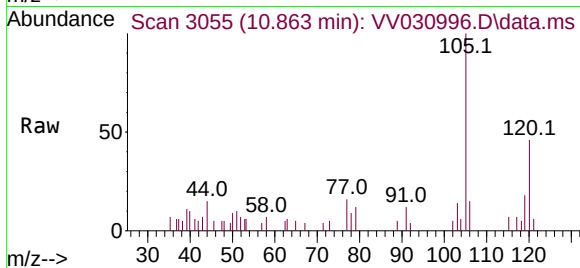




#63
1,2,4-Trimethylbenzene
Concen: 0.193 ug/L
RT: 10.863 min Scan# 3054
Delta R.T. 0.003 min
Lab File: VV030996.D
Acq: 05 May 2023 15:58

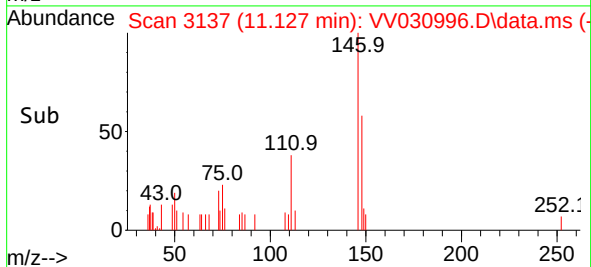
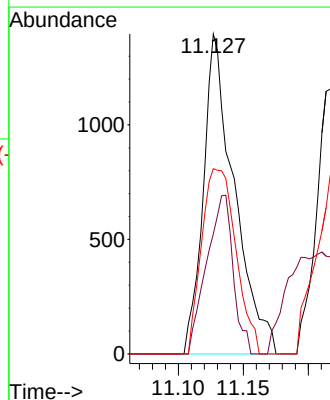
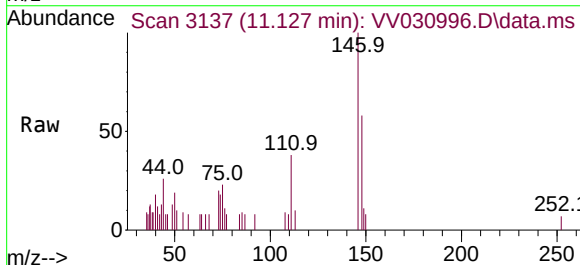
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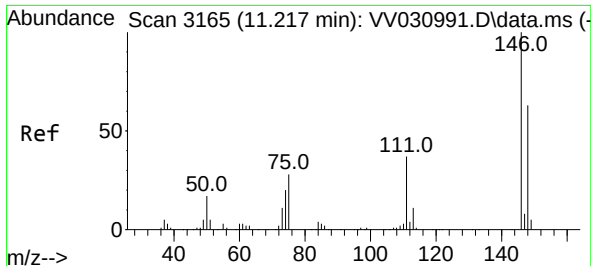
Tgt Ion:105 Resp: 4404
Ion Ratio Lower Upper
105 100
120 44.6 37.9 56.9



#64
1,3-Dichlorobenzene
Concen: 0.163 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030996.D
Acq: 05 May 2023 15:58

Tgt Ion:146 Resp: 2313
Ion Ratio Lower Upper
146 100
111 37.5 26.5 49.3
148 57.9 43.4 80.6

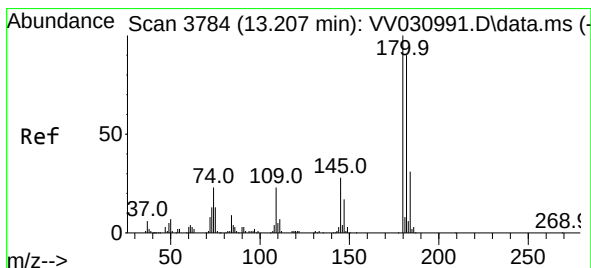
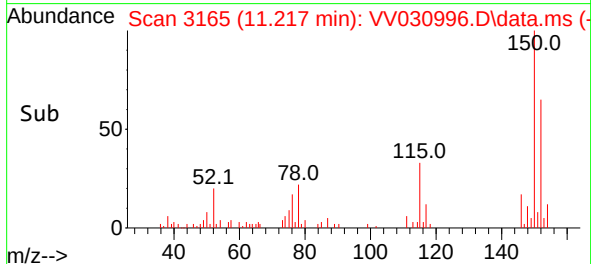
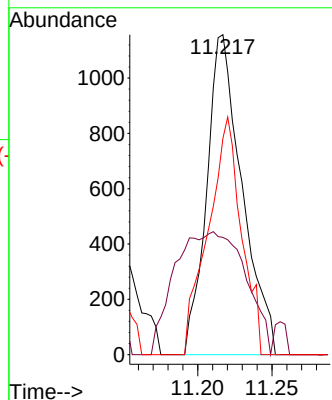
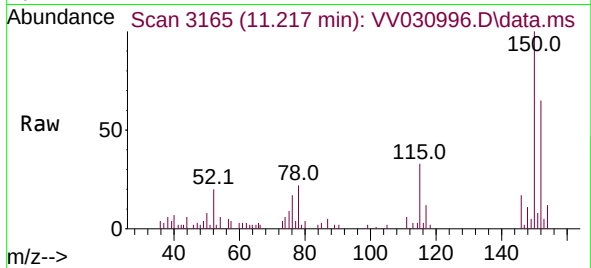




#65
1,4-Dichlorobenzene
Concen: 0.134 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030996.D
Acq: 05 May 2023 15:58

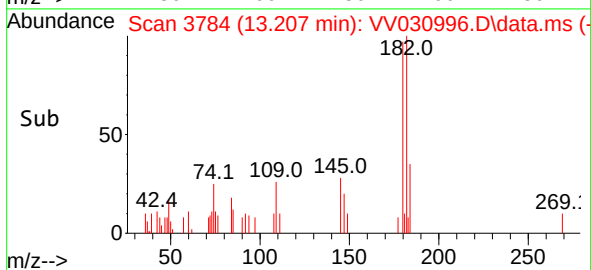
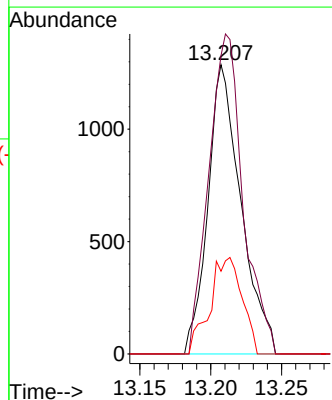
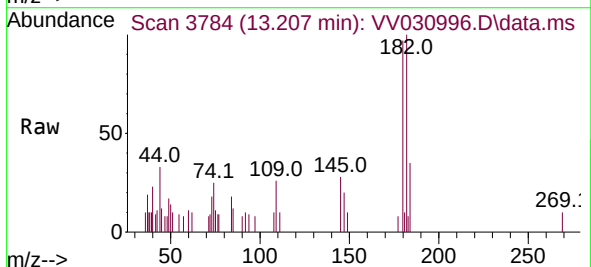
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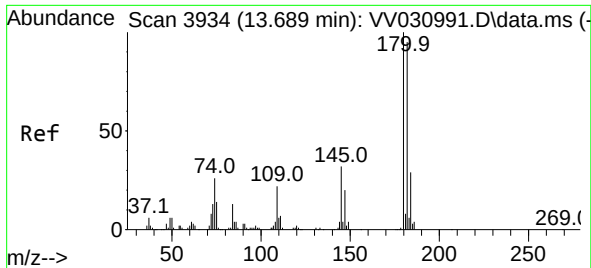
Tgt Ion:146	Resp:	1915
Ion Ratio	Lower	Upper
146	100	
111	36.6	23.9 44.5
148	67.6	42.8 79.6



#70
1,2,4-trichlorobenzene
Concen: 0.242 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. 0.000 min
Lab File: VV030996.D
Acq: 05 May 2023 15:58

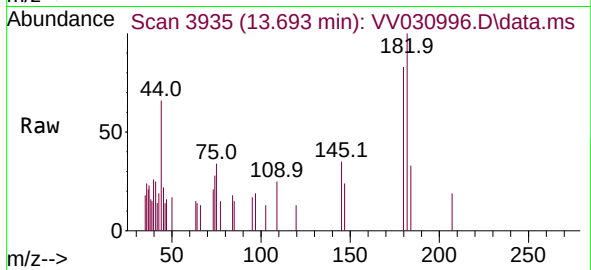
Tgt Ion:180	Resp:	2088
Ion Ratio	Lower	Upper
180	100	
182	114.5	76.0 114.0#
145	32.5	22.9 34.3





#72
 1,2,3-Trichlorobenzene
 Concen: 0.160 ug/L
 RT: 13.693 min Scan# 3935
 Delta R.T. 0.003 min
 Lab File: VV030996.D
 Acq: 05 May 2023 15:58

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA3



Tgt Ion:	180	Resp:	1169
Ion	Ratio	Lower	Upper
180	100		
182	98.8	77.3	115.9
145	34.5	24.7	37.1

