

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV052423\
 Data File : VV031221.D
 Acq On : 24 May 2023 17:33
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK213

Quant Time: May 25 01:16:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 25 01:11:46 2023
 Response via : Initial Calibration

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

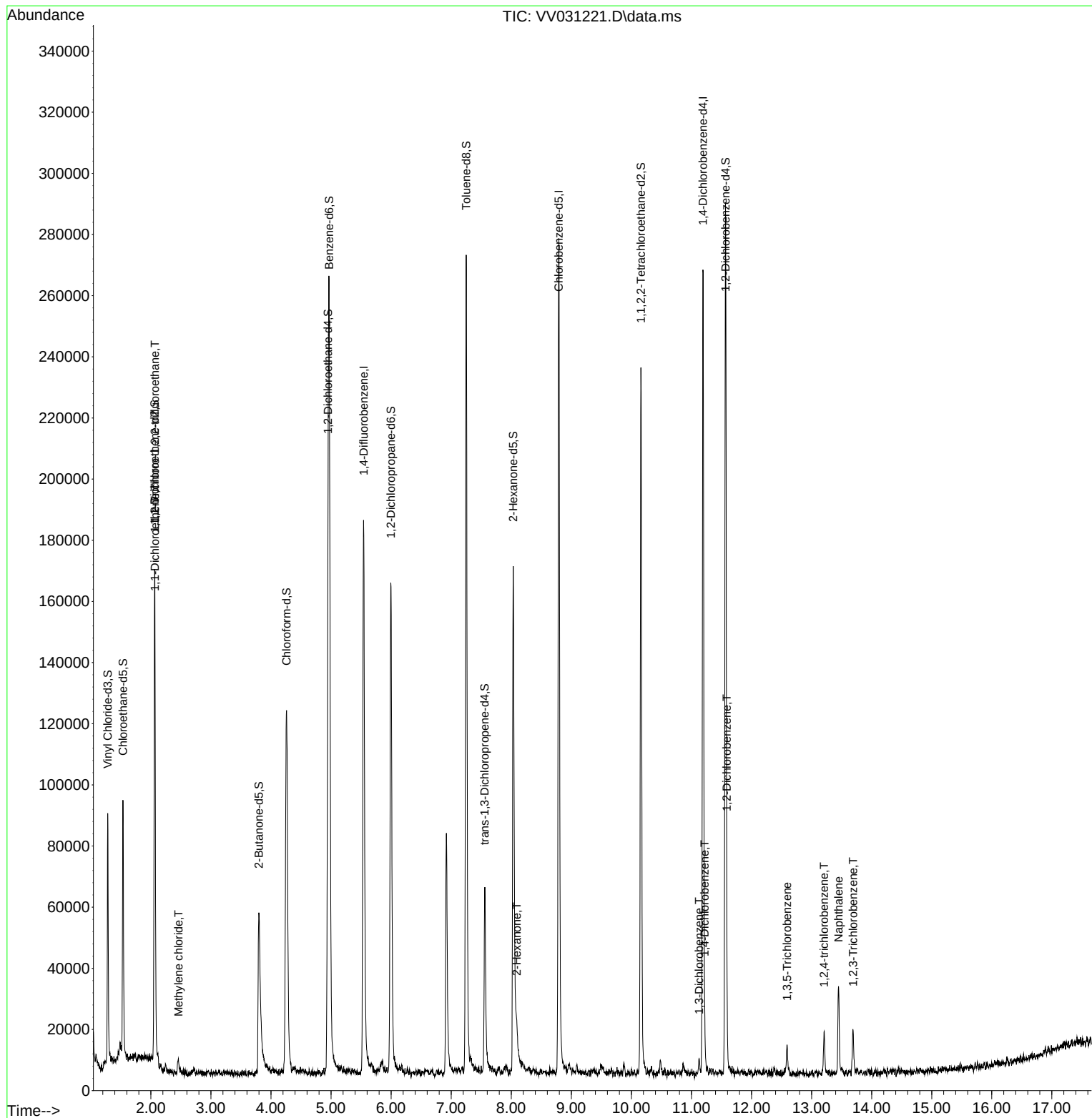
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	149718	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	141943	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	68723	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	53329	41.679	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.360%
7) Chloroethane-d5	1.536	69	51026	51.766	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.540%
11) 1,1-Dichloroethene-d2	2.063	65	26633	44.388	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.780%
21) 2-Butanone-d5	3.799	46	88435	129.710	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	129.710%
24) Chloroform-d	4.259	84	120538	53.251	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.500%
26) 1,2-Dichloroethane-d4	4.950	65	94915	62.053	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	124.100%
32) Benzene-d6	4.970	84	203037	52.765	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.520%
36) 1,2-Dichloropropane-d6	5.995	67	61582	53.487	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.980%
41) Toluene-d8	7.249	98	168254	46.849	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.700%
43) trans-1,3-Dichloroprop...	7.558	79	33055	57.224	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	114.440%
47) 2-Hexanone-d5	8.034	63	52575	117.118	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.120%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	94900	54.955	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.920%
66) 1,2-Dichlorobenzene-d4	11.567	152	69457	56.243	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.480%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	1176	1.200	ug/L #	31
12) 1,1-Dichloroethene	2.069	96	927	1.115	ug/L #	1
16) Methylene chloride	2.462	84	2033	2.196	ug/L	95
48) 2-Hexanone	8.092	43	7042	5.870	ug/L #	60
64) 1,3-Dichlorobenzene	11.127	146	1792	0.952	ug/L #	86
65) 1,4-Dichlorobenzene	11.220	146	2061	1.052	ug/L	93
67) 1,2-Dichlorobenzene	11.587	146	2087	1.092	ug/L #	89
69) 1,3,5-Trichlorobenzene	12.593	180	2522	1.732	ug/L #	94
70) 1,2,4-trichlorobenzene	13.207	180	3356	2.709	ug/L #	83
71) Naphthalene	13.448	128	22593	7.020	ug/L	100
72) 1,2,3-Trichlorobenzene	13.693	180	4348	3.512	ug/L	95

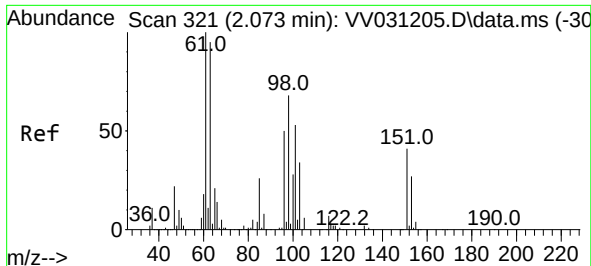
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 25 01:11:46 2023
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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.200 ug/L

RT: 2.066 min Scan# 31

Delta R.T. -0.006 min

Lab File: VV031221.D

Acq: 24 May 2023 17:33

Instrument :

MSVOA_V

ClientSampleId :

VIBLK213

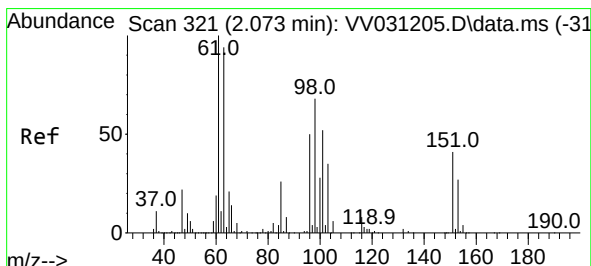
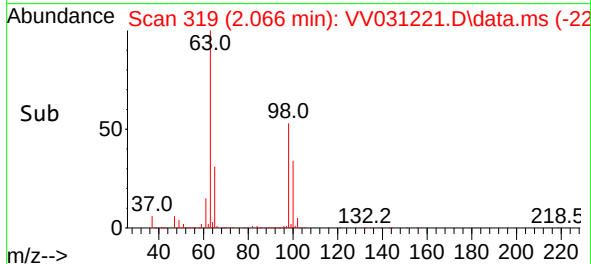
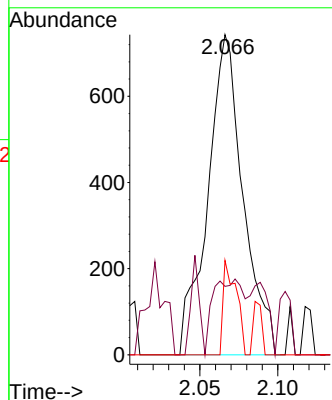
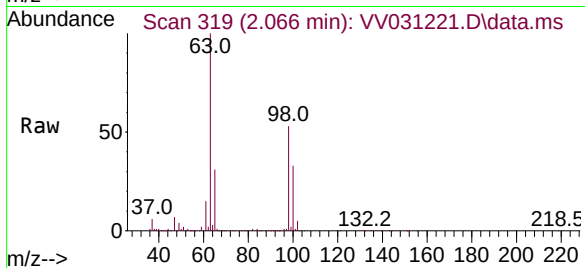
Tgt Ion:101 Resp: 1176

Ion Ratio Lower Upper

101 100

85 9.9 38.0 57.0#

151 11.0 61.7 92.5#



#12

1,1-Dichloroethene

Concen: 1.115 ug/L

RT: 2.069 min Scan# 320

Delta R.T. -0.003 min

Lab File: VV031221.D

Acq: 24 May 2023 17:33

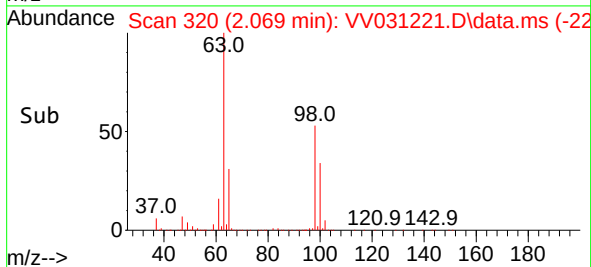
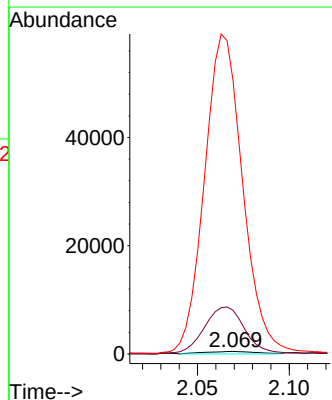
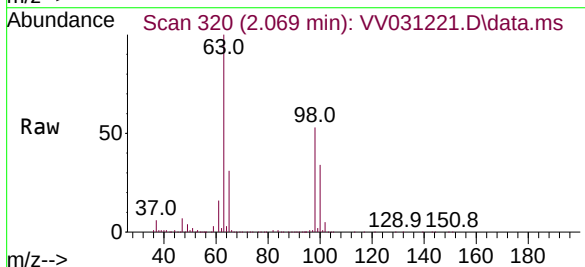
Tgt Ion: 96 Resp: 927

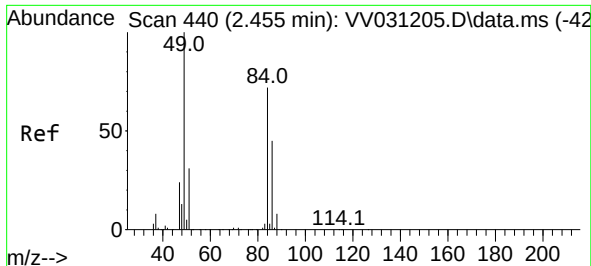
Ion Ratio Lower Upper

96 100

61 1734.8 137.9 256.1#

63 10868.0 114.2 212.0#

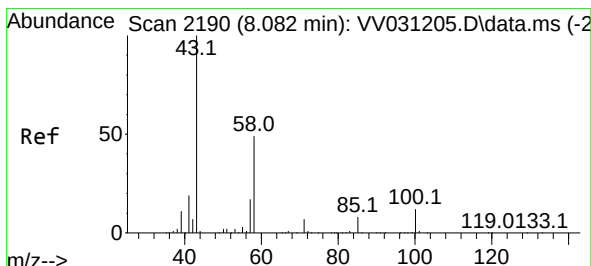
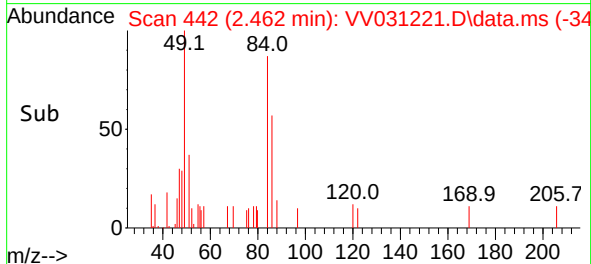
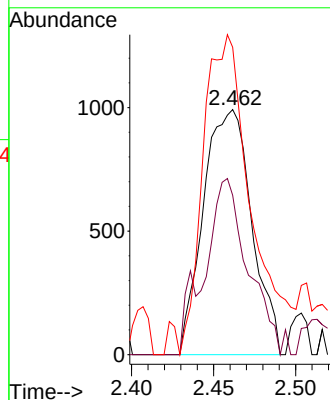
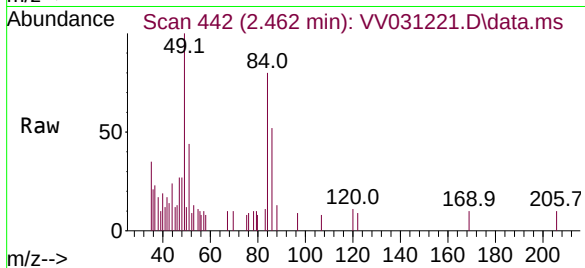




#16
Methylene chloride
Concen: 2.196 ug/L
RT: 2.462 min Scan# 440
Delta R.T. 0.006 min
Lab File: VV031221.D
Acq: 24 May 2023 17:33

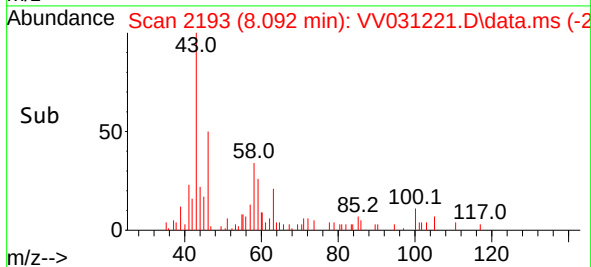
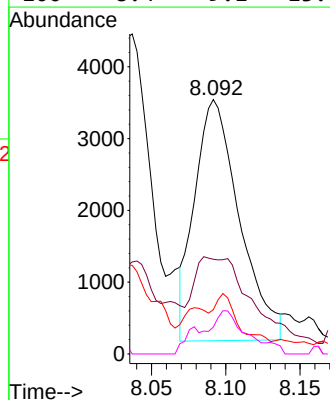
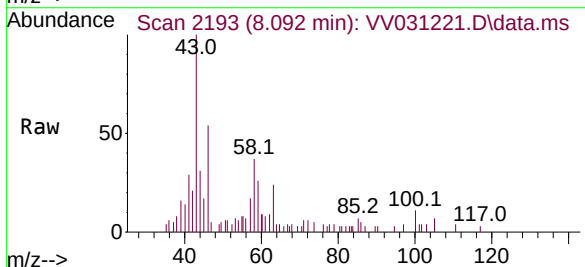
Instrument :
MSVOA_V
ClientSampleId :
VIBLK213

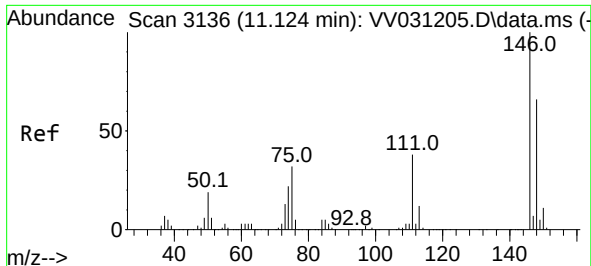
Tgt Ion: 84 Resp: 2033
Ion Ratio Lower Upper
84 100
86 65.0 43.3 80.3
49 125.4 92.6 172.0



#48
2-Hexanone
Concen: 5.870 ug/L
RT: 8.092 min Scan# 2193
Delta R.T. 0.010 min
Lab File: VV031221.D
Acq: 24 May 2023 17:33

Tgt Ion: 43 Resp: 7042
Ion Ratio Lower Upper
43 100
58 10.5 39.8 59.6#
57 11.4 14.4 21.6#
100 8.4 9.1 13.7#

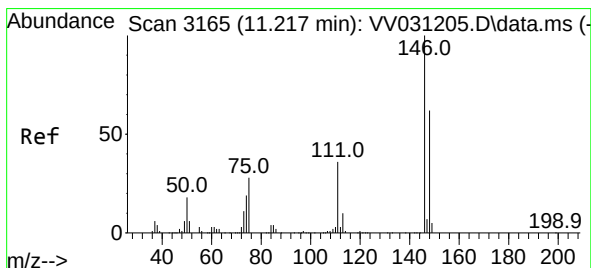
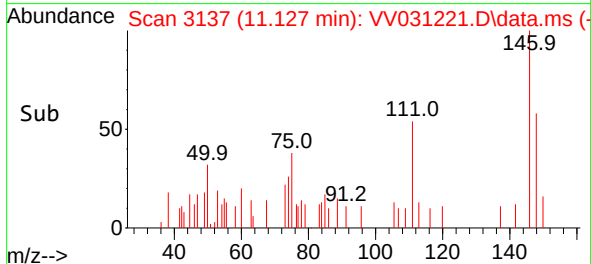
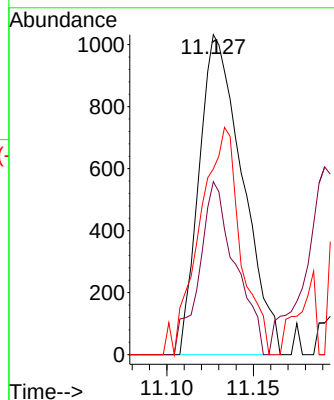
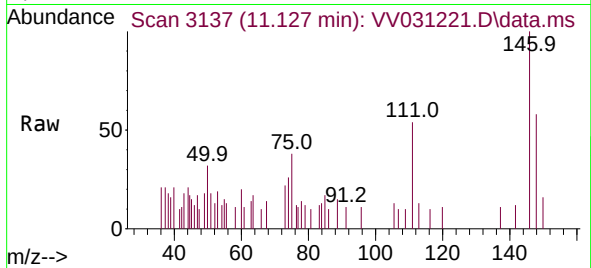




#64
1,3-Dichlorobenzene
Concen: 0.952 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV031221.D
Acq: 24 May 2023 17:33

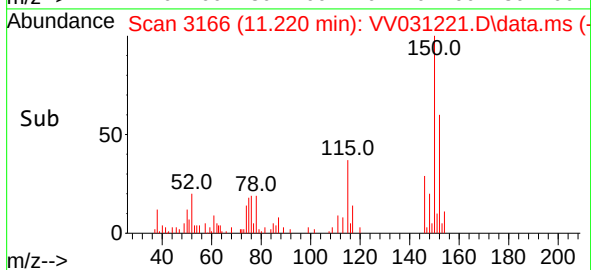
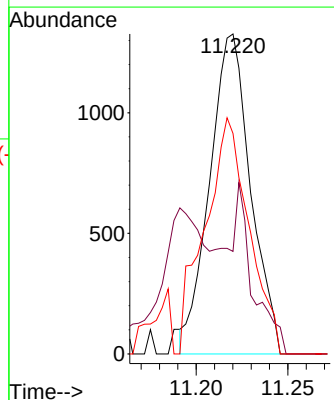
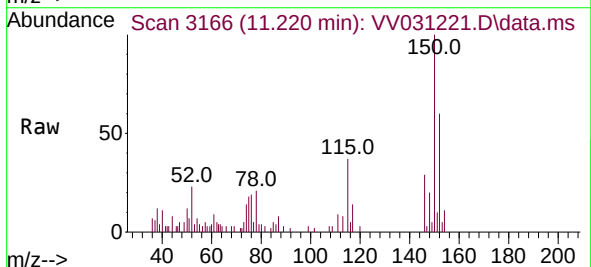
Instrument :
MSVOA_V
ClientSampleId :
VIBLK213

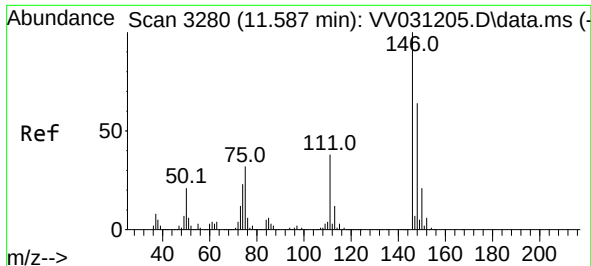
Tgt Ion:146 Resp: 1792
Ion Ratio Lower Upper
146 100
111 54.1 27.2 50.4#
148 58.0 44.4 82.5



#65
1,4-Dichlorobenzene
Concen: 1.052 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VV031221.D
Acq: 24 May 2023 17:33

Tgt Ion:146 Resp: 2061
Ion Ratio Lower Upper
146 100
111 32.0 25.5 47.3
148 68.9 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 1.092 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV031221.D

Acq: 24 May 2023 17:33

Instrument :

MSVOA_V

ClientSampleId :

VIBLK213

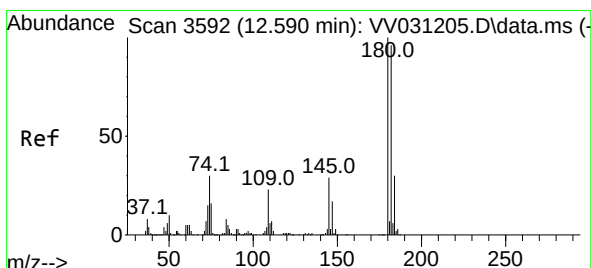
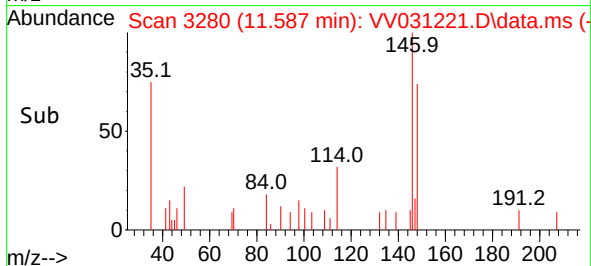
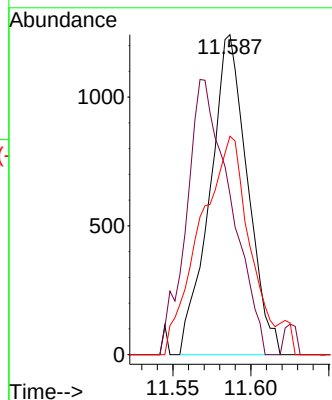
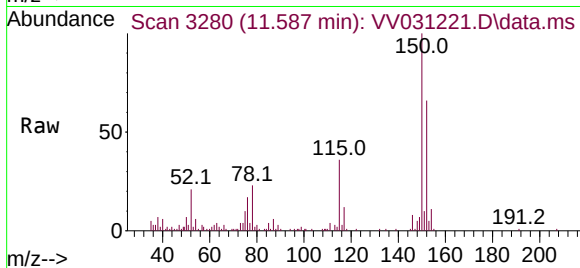
Tgt Ion:146 Resp: 2087

Ion Ratio Lower Upper

146 100

111 50.2 31.4 47.2#

148 68.3 50.2 75.4



#69

1,3,5-Trichlorobenzene

Concen: 1.732 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.003 min

Lab File: VV031221.D

Acq: 24 May 2023 17:33

Tgt Ion:180 Resp: 2522

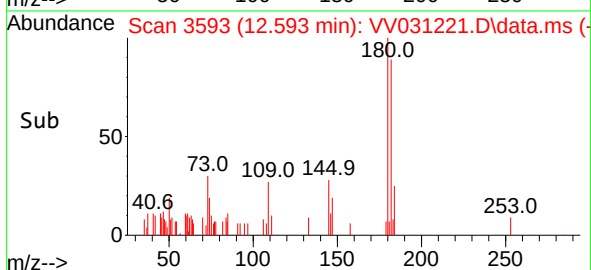
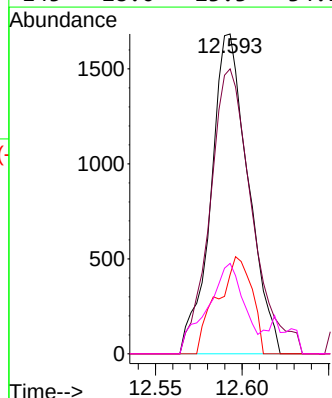
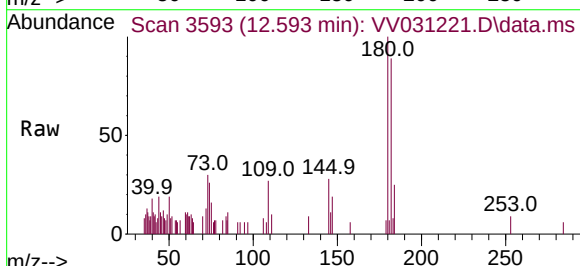
Ion Ratio Lower Upper

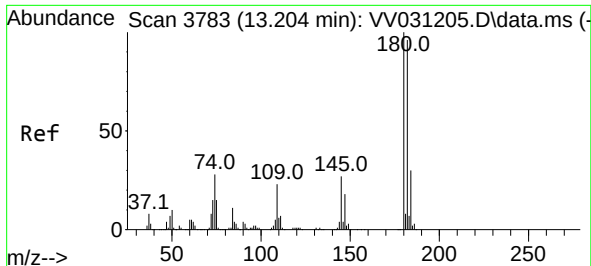
180 100

182 98.9 76.6 115.0

184 20.6 24.6 37.0#

145 28.0 23.3 34.9

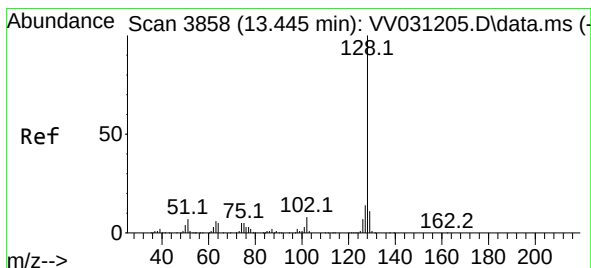
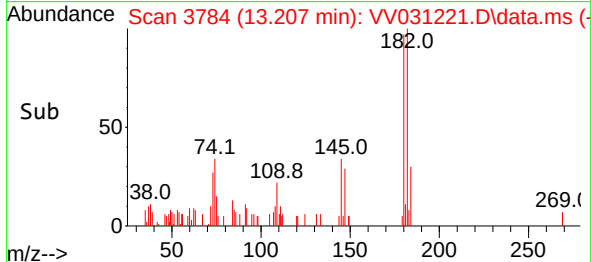
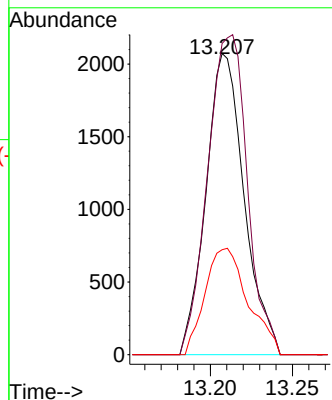
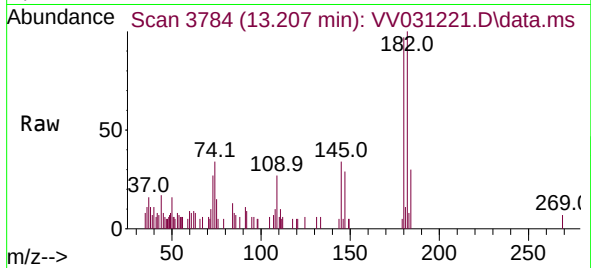




#70
1,2,4-trichlorobenzene
Concen: 2.709 ug/L
RT: 13.207 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV031221.D
Acq: 24 May 2023 17:33

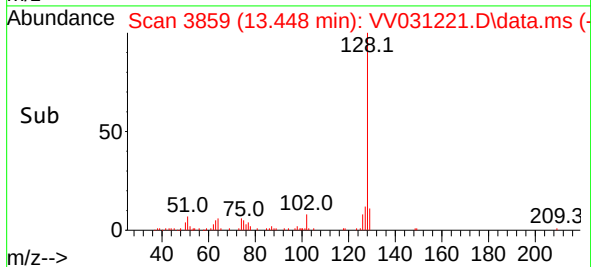
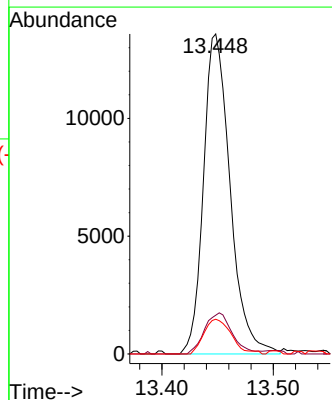
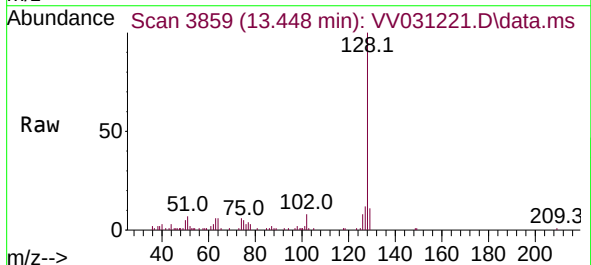
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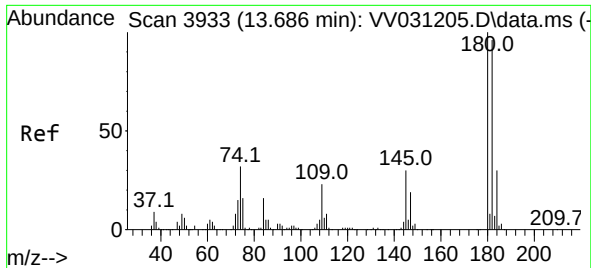
Tgt Ion:180 Resp: 3356
Ion Ratio Lower Upper
180 100
182 110.4 75.4 113.2
145 39.7 23.1 34.7#



#71
Naphthalene
Concen: 7.020 ug/L
RT: 13.448 min Scan# 3859
Delta R.T. 0.003 min
Lab File: VV031221.D
Acq: 24 May 2023 17:33

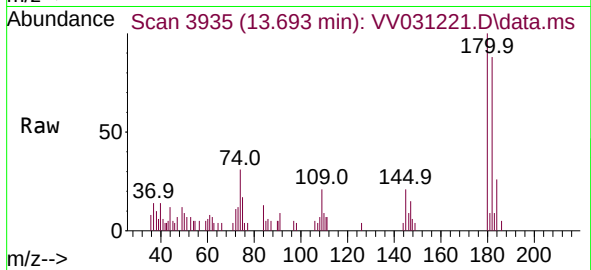
Tgt Ion:128 Resp: 22593
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.1 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 3.512 ug/L
 RT: 13.693 min Scan# 3935
 Delta R.T. 0.006 min
 Lab File: VV031221.D
 Acq: 24 May 2023 17:33

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK213



Tgt Ion:	180	Resp:	4348
Ion Ratio	Lower	Upper	
180	100		
182	99.8	75.4	113.0
145	28.7	24.2	36.4

