

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120923\
 Data File : VX039121.D
 Acq On : 08 Dec 2023 21:30
 Operator : JC/MD
 Sample : 05646-17 40X
 Misc : 2.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C0AS4

Quant Time: Dec 09 03:44:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Dec 09 03:39:44 2023
 Response via : Initial Calibration

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

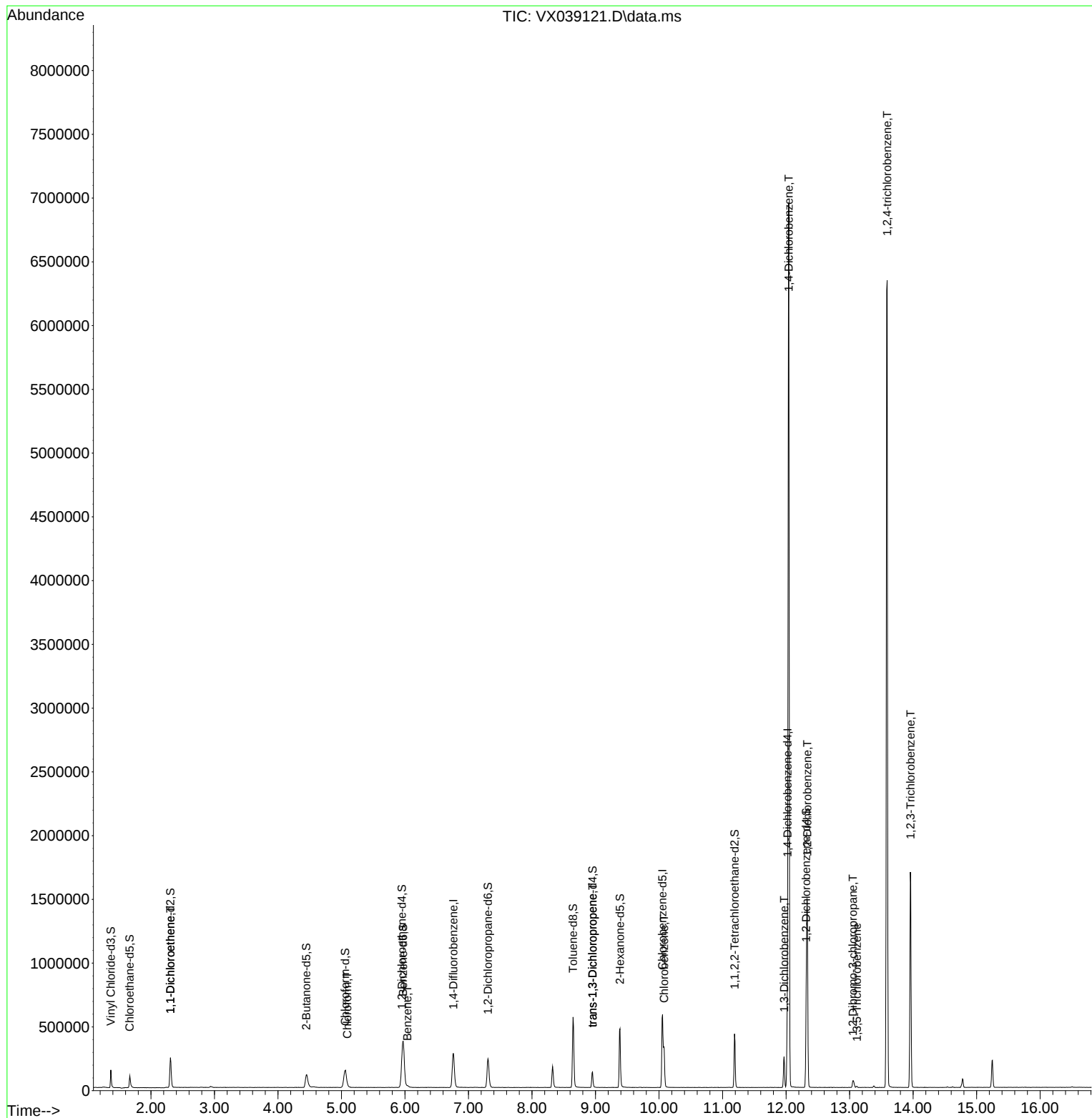
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	273111	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	249107	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	116606	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	89643	41.848	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.700%		
7) Chloroethane-d5	1.666	69	67457	42.604	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	85.200%		
11) 1,1-Dichloroethene-d2	2.306	65	41334	43.958	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.920%		
21) 2-Butanone-d5	4.446	46	181356	93.528	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.530%		
24) Chloroform-d	5.056	84	170151	44.870	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.740%		
26) 1,2-Dichloroethane-d4	5.952	65	115289	46.944	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.880%		
32) Benzene-d6	5.970	84	369022	48.000	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.000%		
36) 1,2-Dichloropropane-d6	7.306	67	120845	48.843	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.680%		
41) Toluene-d8	8.647	98	323413	46.420	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.840%		
43) trans-1,3-Dichloroprop...	8.952	79	56610	44.962	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.920%		
47) 2-Hexanone-d5	9.384	63	136873	92.624	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.620%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	165124	47.047	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.100%		
66) 1,2-Dichlorobenzene-d4	12.317	152	111310	50.502	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.000%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.306	96	1060	0.602	ug/L #	1
25) Chloroform	5.093	83	4990	1.365	ug/L	96
33) Benzene	6.037	78	13056	1.649	ug/L	100
44) trans-1,3-Dichloropropene	8.952	75	2629	0.809	ug/L	91
51) Chlorobenzene	10.079	112	130321	25.132	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	72774	19.955	ug/L	97
65) 1,4-Dichlorobenzene	12.042	146	1924238	520.688	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	401853	115.191	ug/L	99
68) 1,2-Dibromo-3-chloropr...	13.055	75	1331	1.670	ug/L #	11
69) 1,3,5-Trichlorobenzene	13.115	180	2167	0.898	ug/L	94
70) 1,2,4-trichlorobenzene	13.591	180	1382665	608.121	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	355334	161.404	ug/L	99

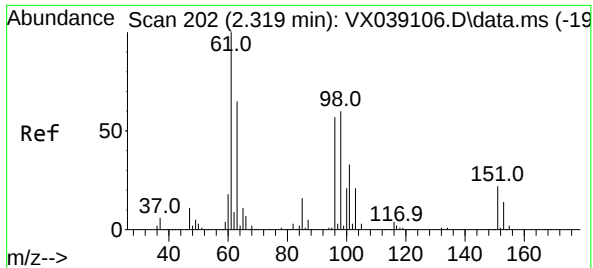
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML120523WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 09 03:39:44 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.602 ug/L

RT: 2.306 min Scan# 20

Delta R.T. -0.012 min

Lab File: VX039121.D

Acq: 08 Dec 2023 21:30

Instrument :

MSVOA_X

ClientSampleId :

C0AS4

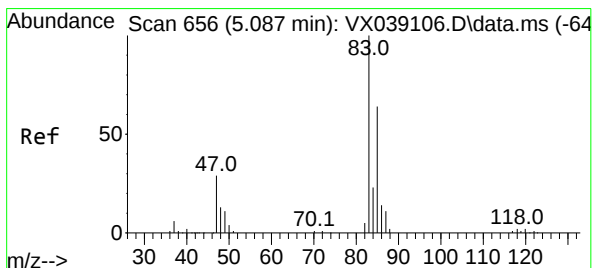
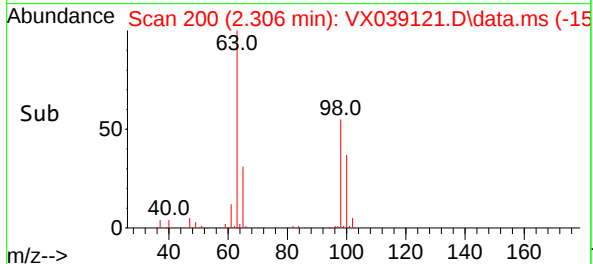
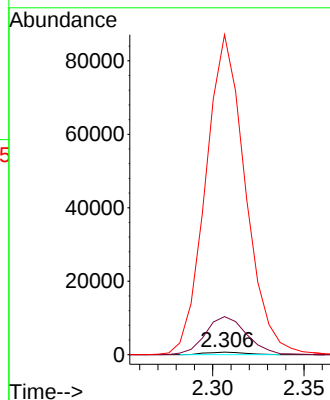
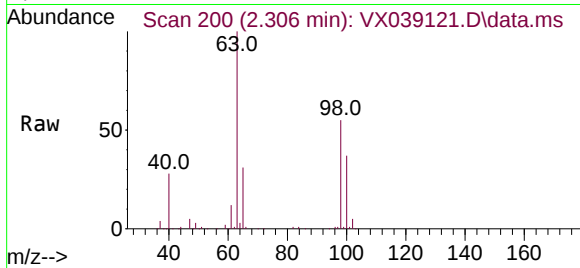
Tgt Ion: 96 Resp: 1060

Ion Ratio Lower Upper

96 100

61 1448.7 128.0 237.6#

63 12150.6 101.5 188.5#



#25

Chloroform

Concen: 1.365 ug/L

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX039121.D

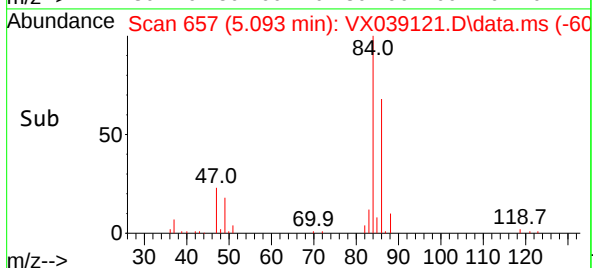
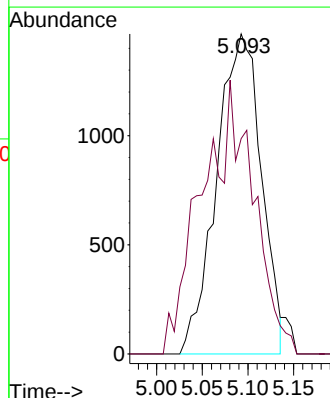
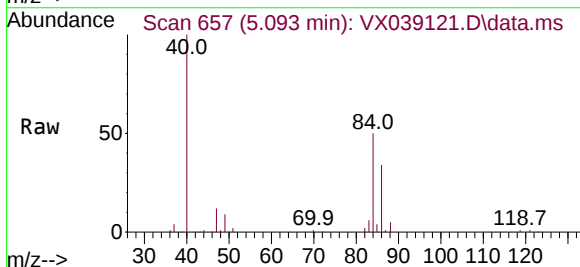
Acq: 08 Dec 2023 21:30

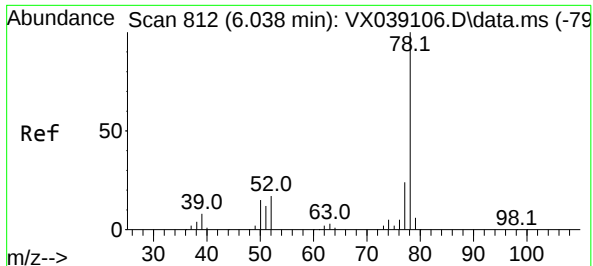
Tgt Ion: 83 Resp: 4990

Ion Ratio Lower Upper

83 100

85 67.3 45.1 83.7

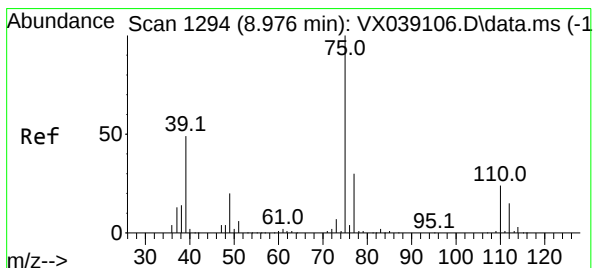
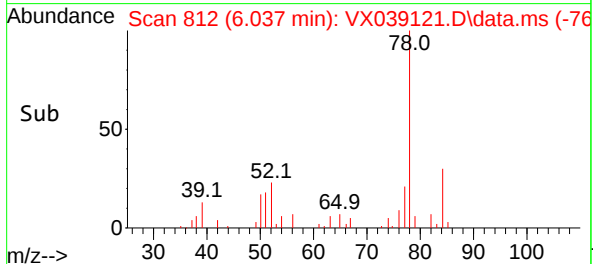
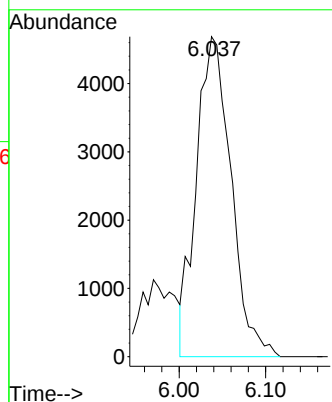
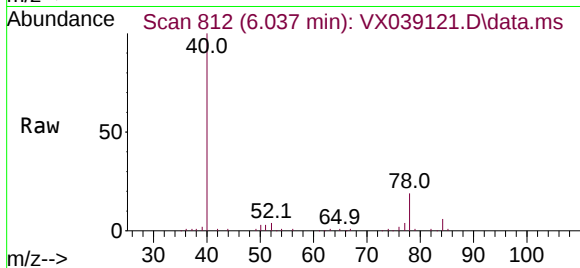




#33
Benzene
Concen: 1.649 ug/L
RT: 6.037 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX039121.D
Acq: 08 Dec 2023 21:30

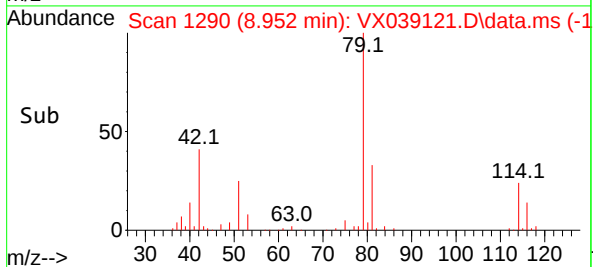
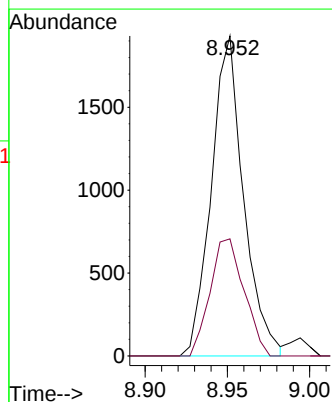
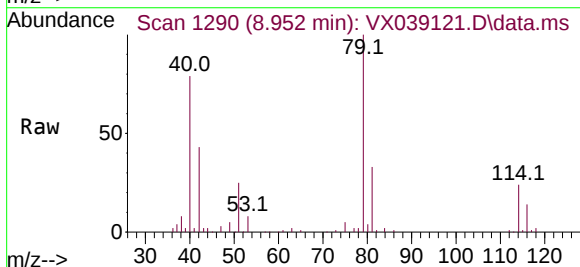
Instrument :
MSVOA_X
ClientSampleId :
C0AS4

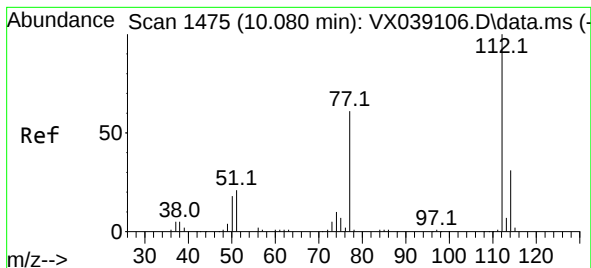
Tgt Ion: 78 Resp: 13056



#44
trans-1,3-Dichloropropene
Concen: 0.809 ug/L
RT: 8.952 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VX039121.D
Acq: 08 Dec 2023 21:30

Tgt Ion: 75 Resp: 2629
Ion Ratio Lower Upper
75 100
77 36.6 22.0 40.8





#51

Chlorobenzene

Concen: 25.132 ug/L

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX039121.D

Acq: 08 Dec 2023 21:30

Instrument :

MSVOA_X

ClientSampleId :

C0AS4

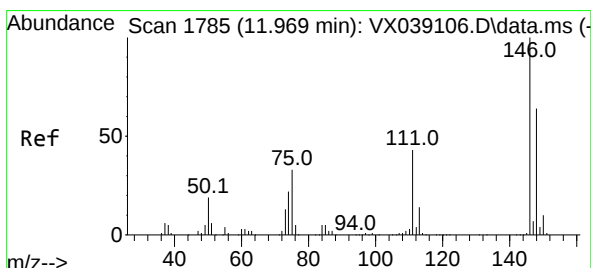
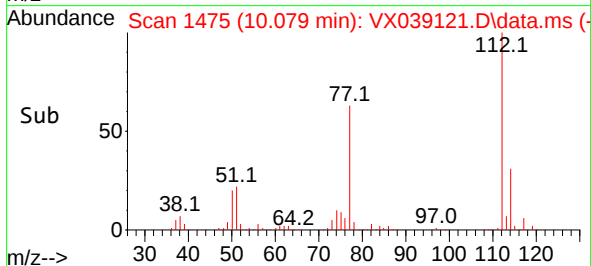
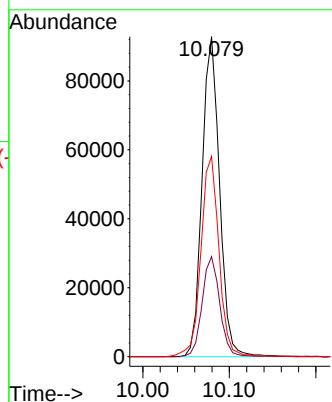
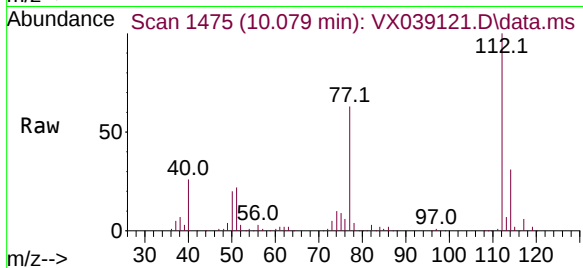
Tgt Ion:112 Resp: 130321

Ion Ratio Lower Upper

112 100

114 31.2 21.8 40.4

77 62.6 49.0 73.6



#64

1,3-Dichlorobenzene

Concen: 19.955 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX039121.D

Acq: 08 Dec 2023 21:30

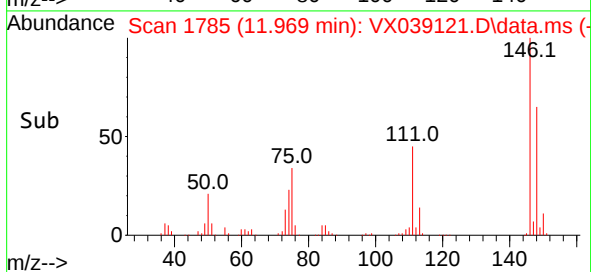
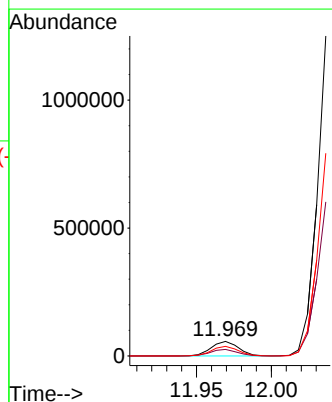
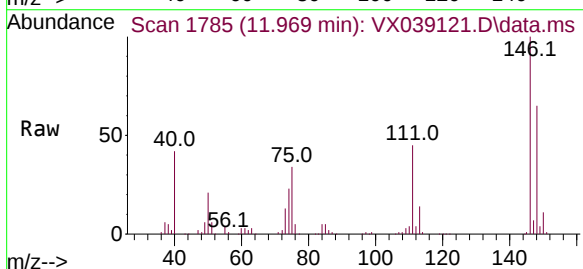
Tgt Ion:146 Resp: 72774

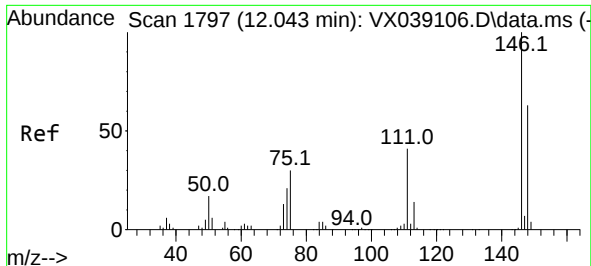
Ion Ratio Lower Upper

146 100

111 44.8 30.0 55.6

148 65.2 44.2 82.0





#65

1,4-Dichlorobenzene

Concen: 520.688 ug/L

RT: 12.042 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX039121.D

Acq: 08 Dec 2023 21:30

Instrument :

MSVOA_X

ClientSampleId :

C0AS4

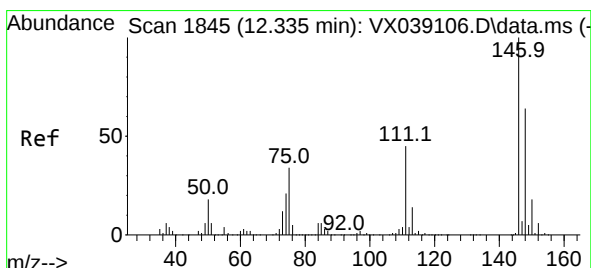
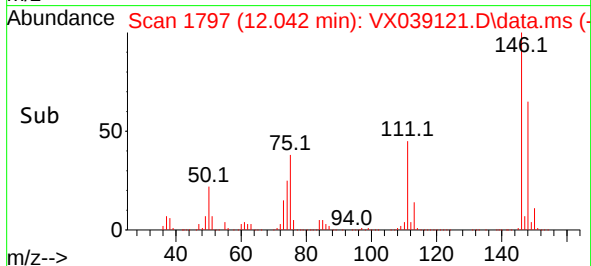
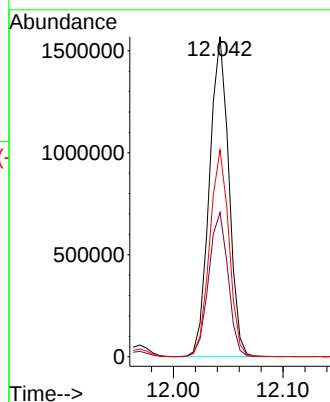
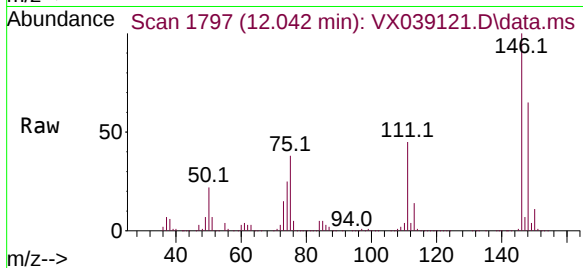
Tgt Ion:146 Resp: 1924238

Ion Ratio Lower Upper

146 100

111 45.1 29.7 55.1

148 64.6 45.8 85.2



#67

1,2-Dichlorobenzene

Concen: 115.191 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX039121.D

Acq: 08 Dec 2023 21:30

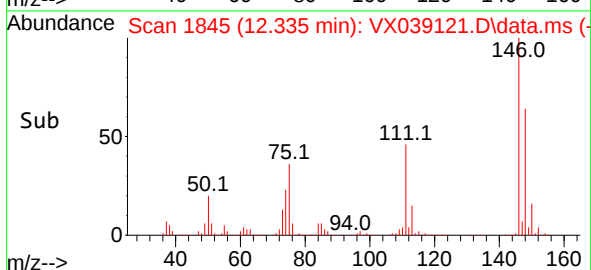
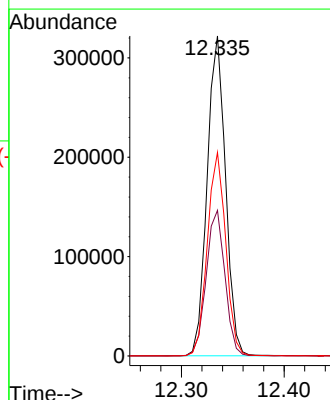
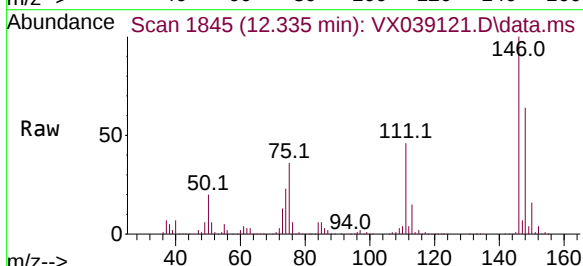
Tgt Ion:146 Resp: 401853

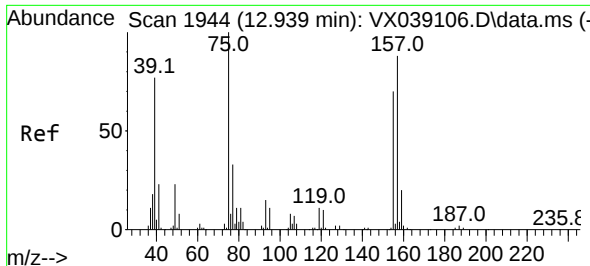
Ion Ratio Lower Upper

146 100

111 45.5 36.4 54.6

148 63.6 50.0 75.0

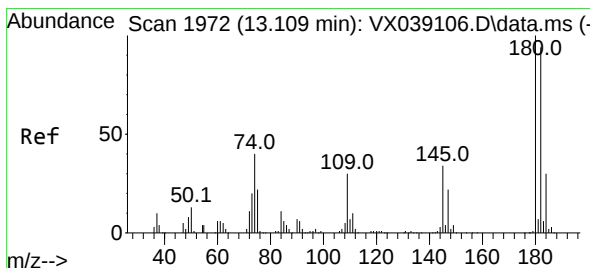
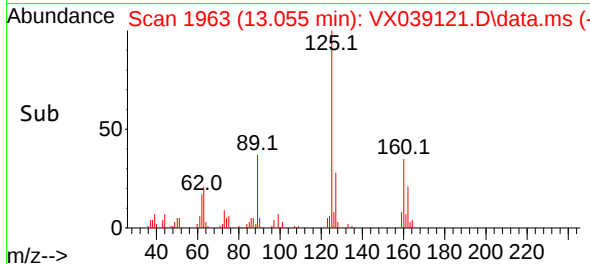
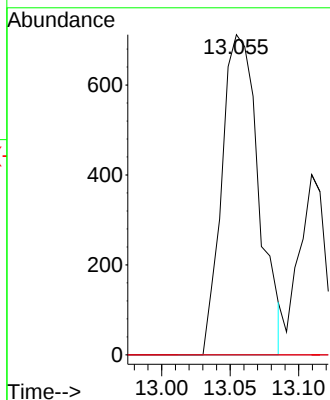
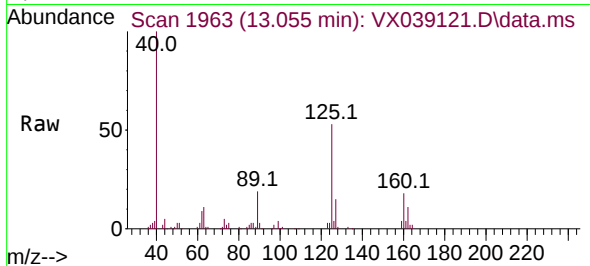




#68
1,2-Dibromo-3-chloropropane
Concen: 1.670 ug/L
RT: 13.055 min Scan# 1963
Delta R.T. 0.116 min
Lab File: VX039121.D
Acq: 08 Dec 2023 21:30

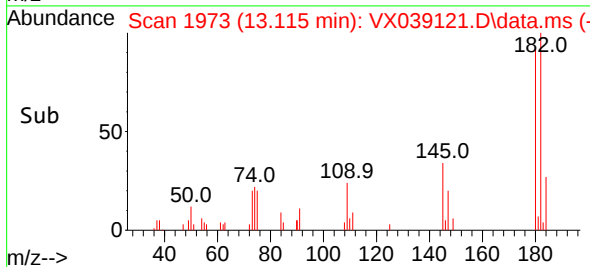
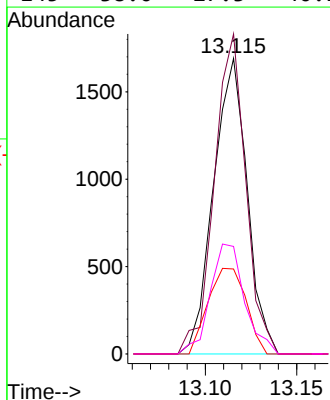
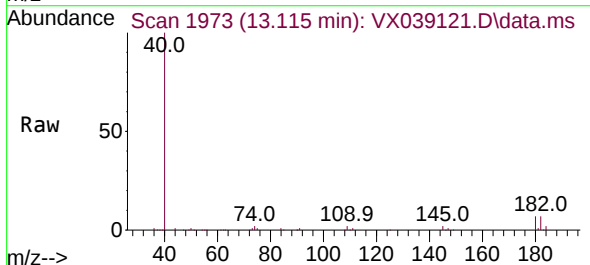
Instrument :
MSVOA_X
ClientSampleId :
C0AS4

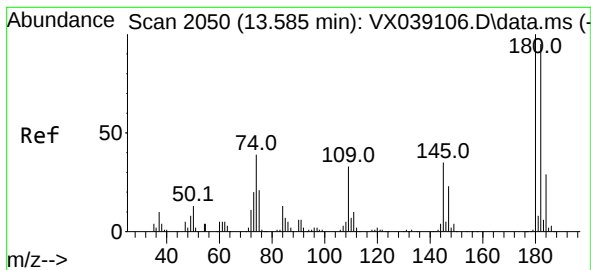
Tgt Ion: 75 Resp: 1331
Ion Ratio Lower Upper
75 100
155 0.0 52.3 78.5#
157 0.0 68.7 103.1#



#69
1,3,5-Trichlorobenzene
Concen: 0.898 ug/L
RT: 13.115 min Scan# 1973
Delta R.T. 0.006 min
Lab File: VX039121.D
Acq: 08 Dec 2023 21:30

Tgt Ion: 180 Resp: 2167
Ion Ratio Lower Upper
180 100
182 100.9 76.1 114.1
184 32.8 24.1 36.1
145 38.0 27.3 40.9





#70

1,2,4-trichlorobenzene

Concen: 608.121 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX039121.D

Acq: 08 Dec 2023 21:30

Instrument :

MSVOA_X

ClientSampleId :

C0AS4

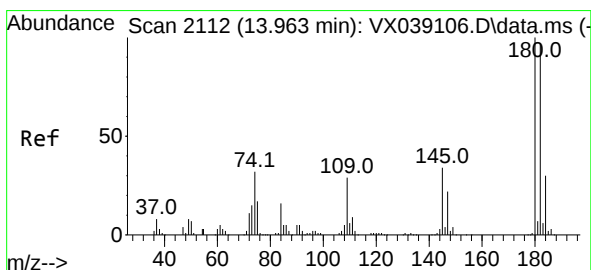
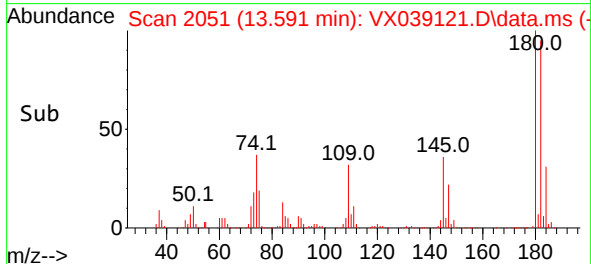
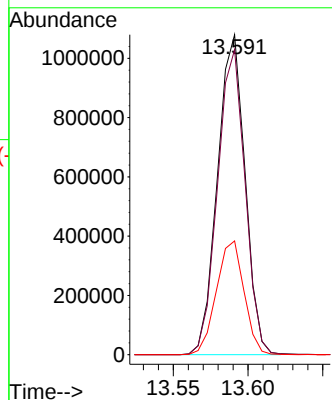
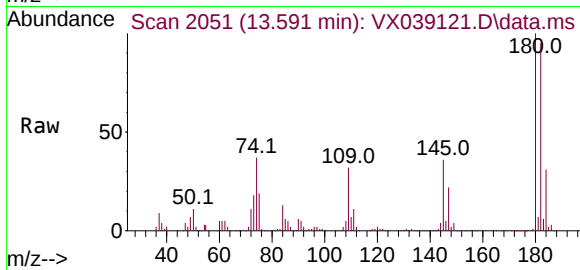
Tgt Ion:180 Resp: 1382665

Ion Ratio Lower Upper

180 100

182 95.3 76.8 115.2

145 35.7 27.8 41.6



#72

1,2,3-Trichlorobenzene

Concen: 161.404 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX039121.D

Acq: 08 Dec 2023 21:30

Tgt Ion:180 Resp: 355334

Ion Ratio Lower Upper

180 100

182 95.8 75.9 113.9

145 36.9 28.6 42.8

