

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041923\
 Data File : VX035168.D
 Acq On : 19 Apr 2023 14:43
 Operator : JC/MD
 Sample : 02397-10DL 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 02:56:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 20 02:36:32 2023
 Response via : Initial Calibration

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

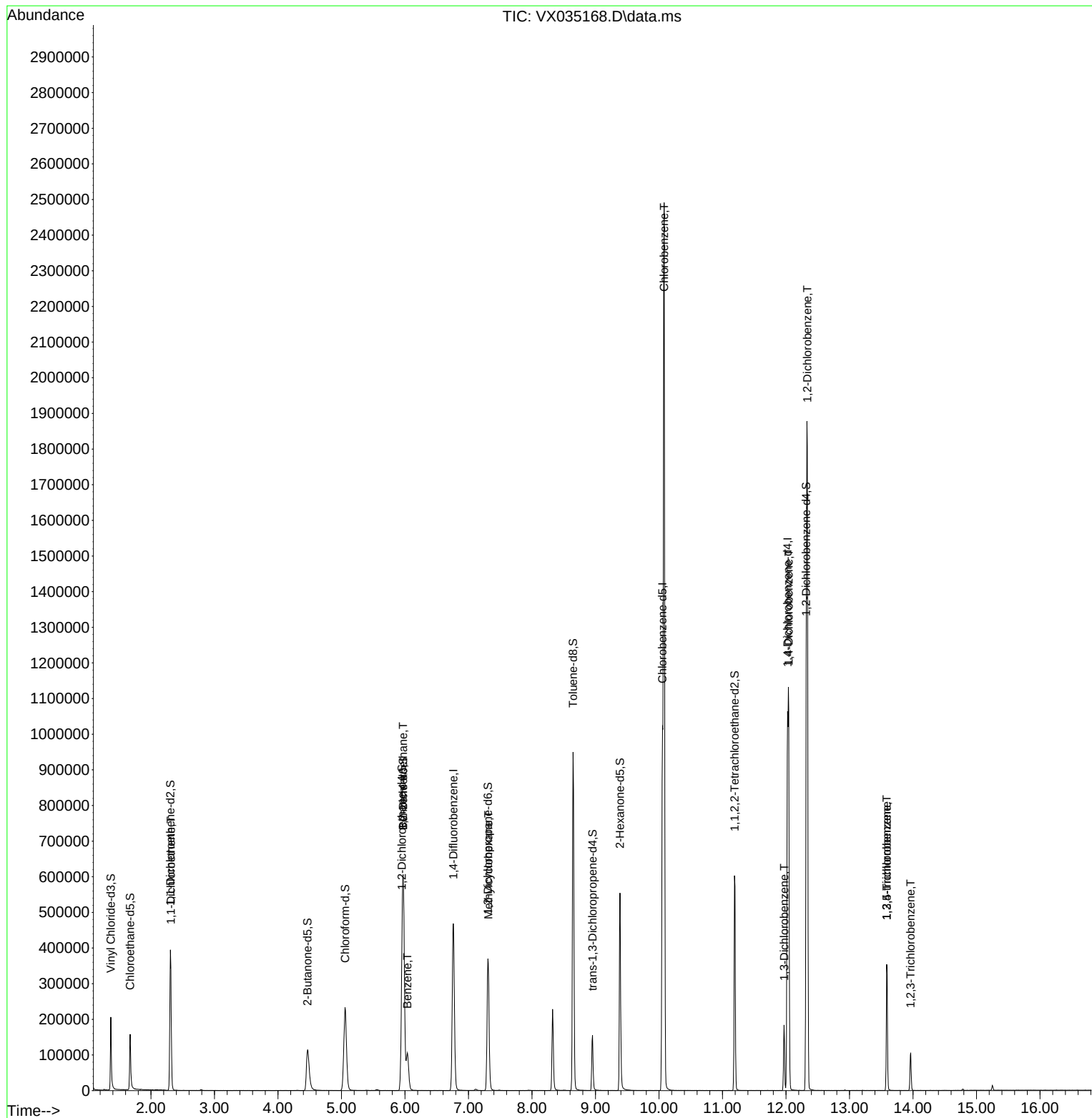
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	488924	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	427268	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	204007	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	140086	44.435	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.880%		
7) Chloroethane-d5	1.673	69	111604	48.992	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.980%		
11) 1,1-Dichloroethene-d2	2.307	65	70200	46.538	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.080%		
21) 2-Butanone-d5	4.465	46	227311	108.198	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	108.200%		
24) Chloroform-d	5.056	84	286606	48.275	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.540%		
26) 1,2-Dichloroethane-d4	5.952	65	192782	50.565	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.140%		
32) Benzene-d6	5.971	84	624552	50.885	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.780%		
36) 1,2-Dichloropropane-d6	7.306	67	192496	51.343	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	102.680%		
41) Toluene-d8	8.647	98	561501	50.057	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.120%		
43) trans-1,3-Dichloroprop...	8.952	79	73502	44.860	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.720%		
47) 2-Hexanone-d5	9.385	63	159637	106.030	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.030%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	233370	50.826	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.660%		
66) 1,2-Dichlorobenzene-d4	12.317	152	203037	51.357	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.720%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.313	96	1962	0.672	ug/L #	1
27) 1,2-Dichloroethane	5.971	62	3827	0.813	ug/L	97
33) Benzene	6.038	78	127583	9.860	ug/L	100
35) Methylcyclohexane	7.312	83	46735	10.082	ug/L #	19
51) Chlorobenzene	10.080	112	1084428	122.613	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	57725	9.124	ug/L	98
65) 1,4-Dichlorobenzene	12.043	146	331204	51.160	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	517732	80.707	ug/L	100
69) 1,3,5-Trichlorobenzene	13.585	180	84562	21.620	ug/L	99
70) 1,2,4-trichlorobenzene	13.585	180	84562	23.090	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	25538	7.063	ug/L	95

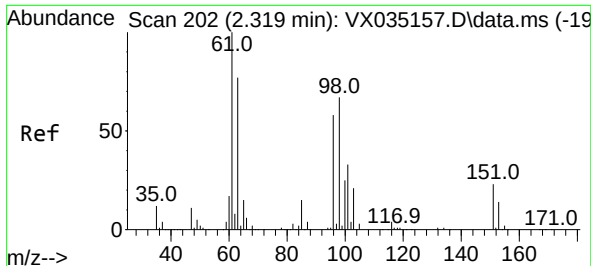
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 20 02:36:32 2023
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.672 ug/L

RT: 2.313 min Scan# 20

Delta R.T. -0.006 min

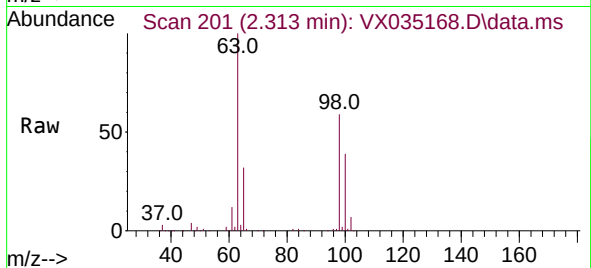
Lab File: VX035168.D

Acq: 19 Apr 2023 14:43

Instrument :

MSVOA_X

ClientSampleId :



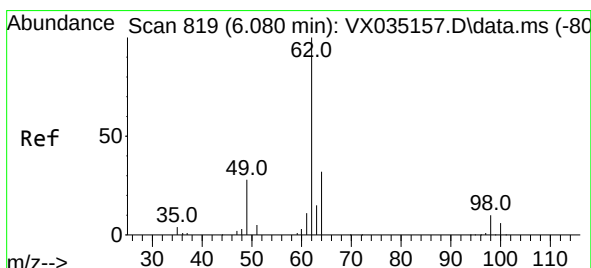
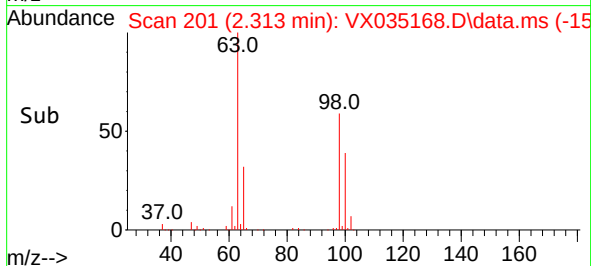
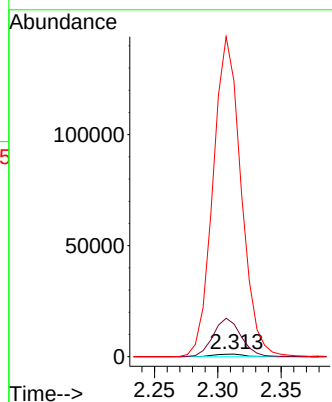
Tgt Ion: 96 Resp: 1962

Ion Ratio Lower Upper

96 100

61 1267.9 119.0 221.0#

63 10672.4 91.0 169.0#



#27

1,2-Dichloroethane

Concen: 0.813 ug/L

RT: 5.971 min Scan# 801

Delta R.T. -0.110 min

Lab File: VX035168.D

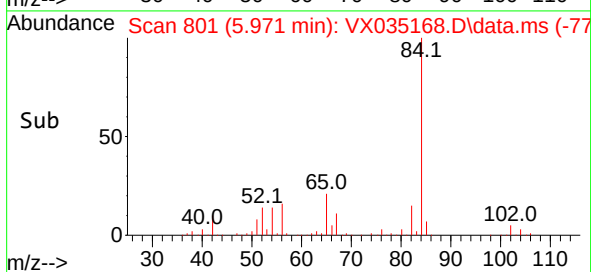
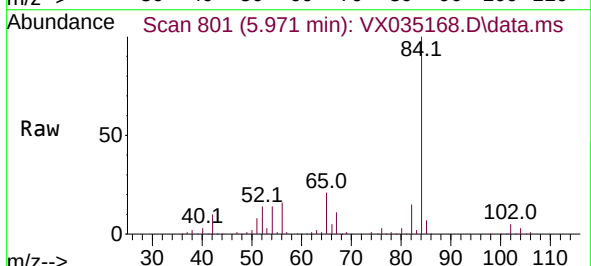
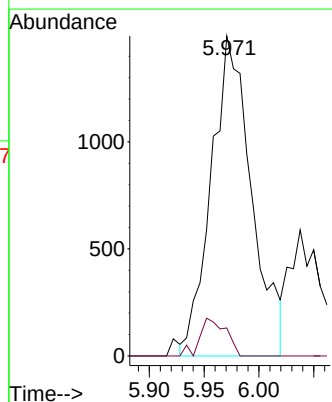
Acq: 19 Apr 2023 14:43

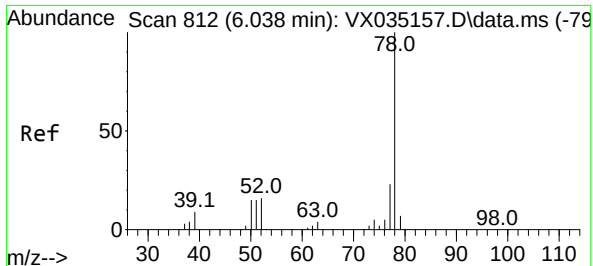
Tgt Ion: 62 Resp: 3827

Ion Ratio Lower Upper

62 100

98 8.8 7.8 11.8

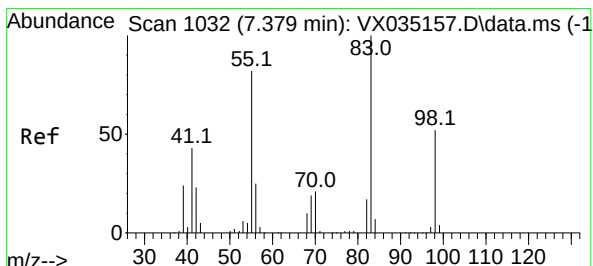
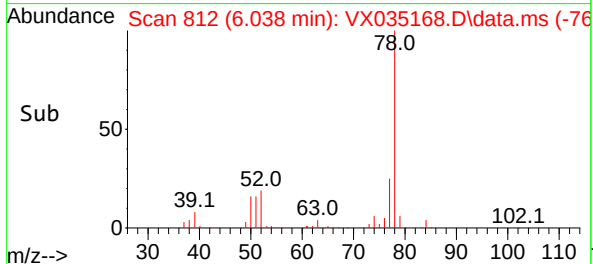
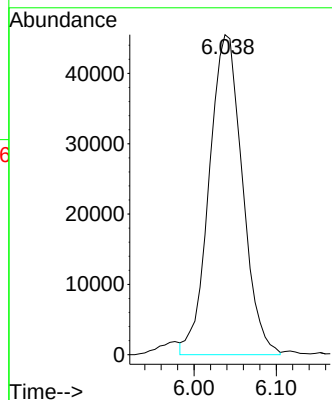
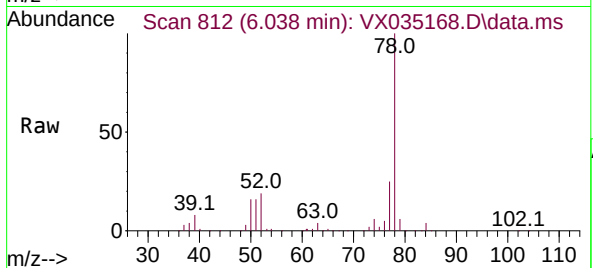




#33
Benzene
Concen: 9.860 ug/L
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX035168.D
Acq: 19 Apr 2023 14:43

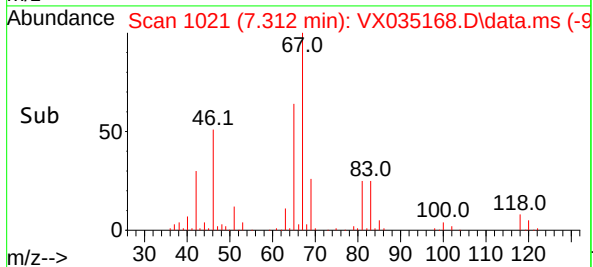
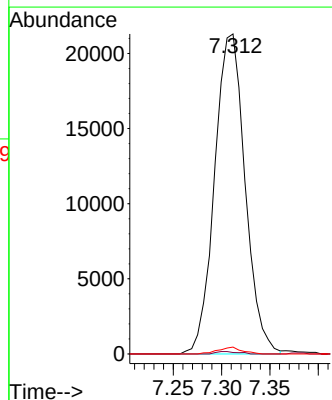
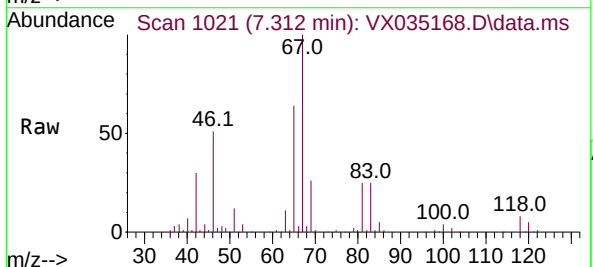
Instrument :
MSVOA_X
ClientSampleId :

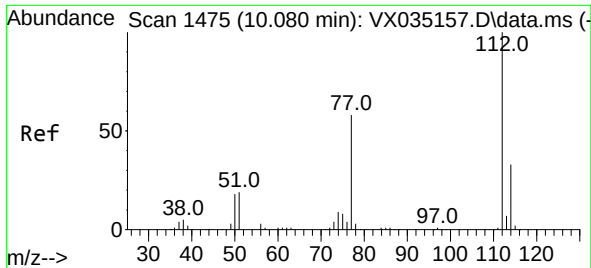
Tgt Ion: 78 Resp: 127583



#35
Methylcyclohexane
Concen: 10.082 ug/L
RT: 7.312 min Scan# 1021
Delta R.T. -0.067 min
Lab File: VX035168.D
Acq: 19 Apr 2023 14:43

Tgt Ion: 83 Resp: 46735
Ion Ratio Lower Upper
83 100
55 0.5 62.2 93.2#
98 1.6 39.3 58.9#

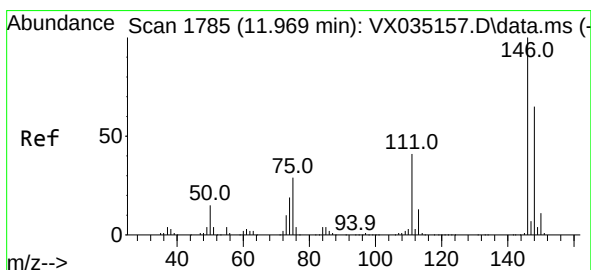
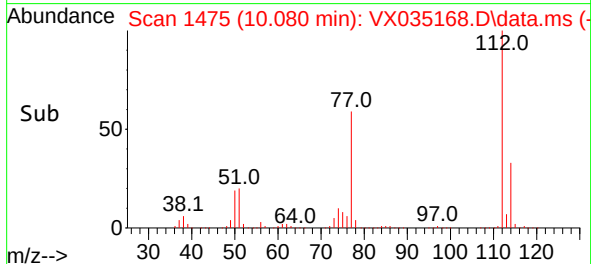
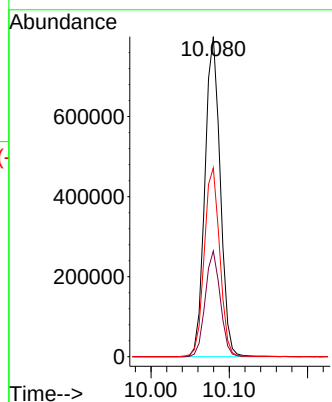
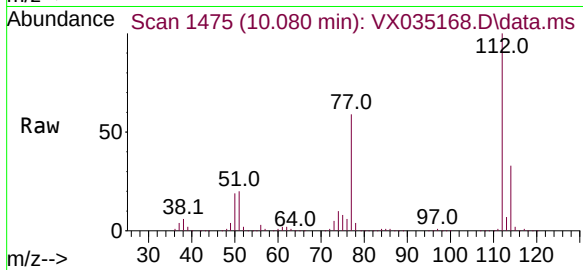




#51
Chlorobenzene
Concen: 122.613 ug/L
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX035168.D
Acq: 19 Apr 2023 14:43

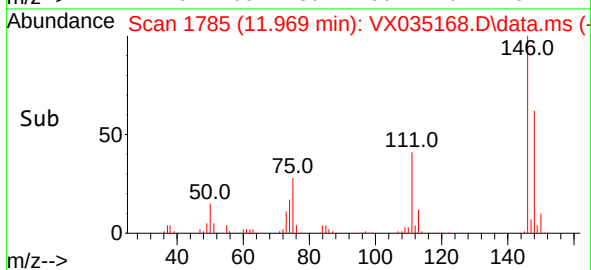
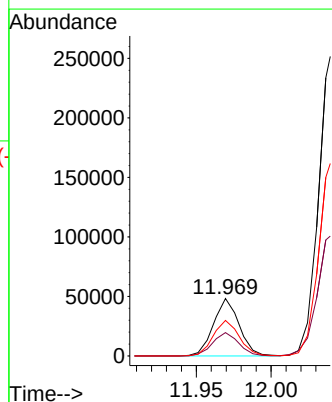
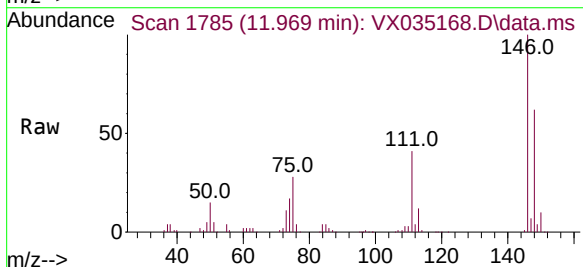
Instrument :
MSVOA_X
ClientSampleId :

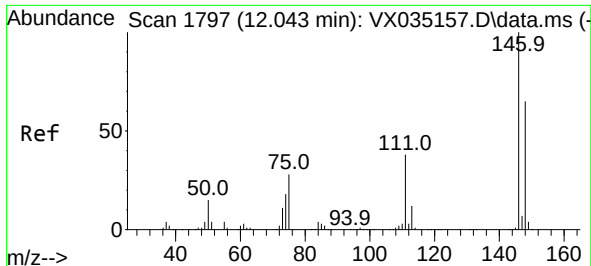
Tgt Ion:112 Resp: 1084428
Ion Ratio Lower Upper
112 100
114 33.0 22.4 41.6
77 59.0 47.0 70.6



#64
1,3-Dichlorobenzene
Concen: 9.124 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX035168.D
Acq: 19 Apr 2023 14:43

Tgt Ion:146 Resp: 57725
Ion Ratio Lower Upper
146 100
111 40.8 28.9 53.7
148 61.7 44.3 82.3





#65

1,4-Dichlorobenzene

Concen: 51.160 ug/L

RT: 12.043 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035168.D

Acq: 19 Apr 2023 14:43

Instrument :

MSVOA_X

ClientSampleId :

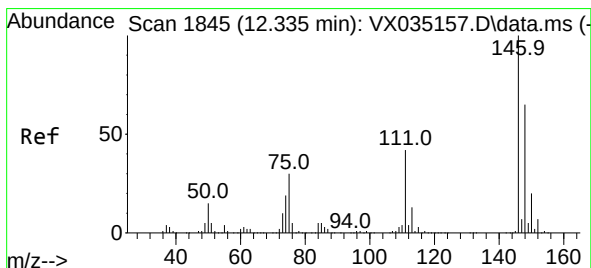
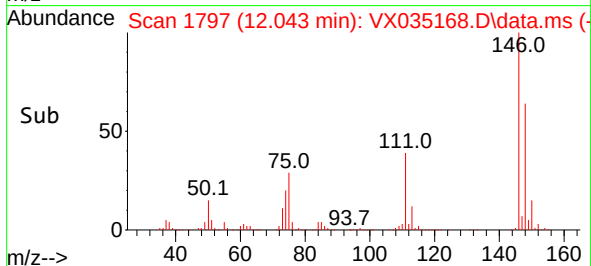
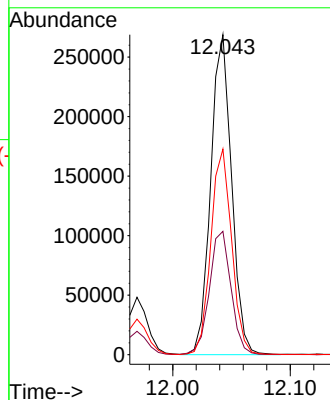
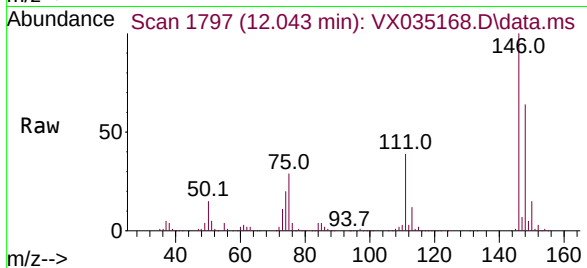
Tgt Ion:146 Resp: 331204

Ion Ratio Lower Upper

146 100

111 38.6 27.9 51.7

148 64.2 45.9 85.3



#67

1,2-Dichlorobenzene

Concen: 80.707 ug/L

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX035168.D

Acq: 19 Apr 2023 14:43

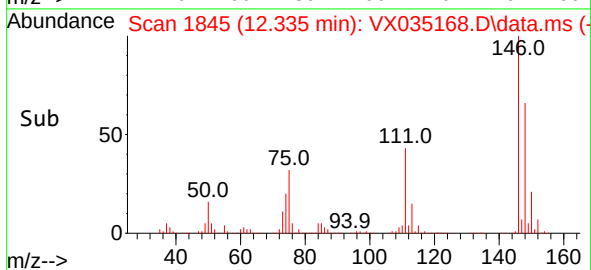
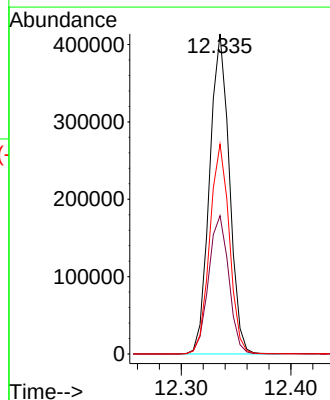
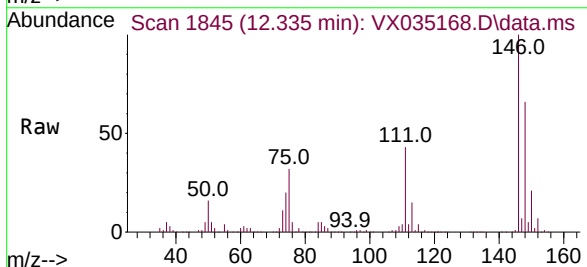
Tgt Ion:146 Resp: 517732

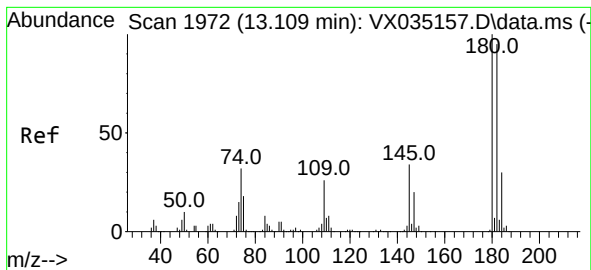
Ion Ratio Lower Upper

146 100

111 43.2 34.7 52.1

148 65.6 52.1 78.1





#69

1,3,5-Trichlorobenzene

Concen: 21.620 ug/L

RT: 13.585 min Scan# 20

Delta R.T. 0.476 min

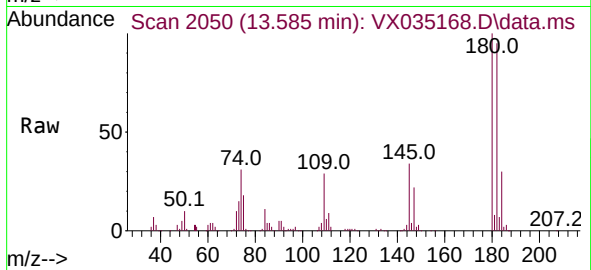
Lab File: VX035168.D

Acq: 19 Apr 2023 14:43

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 84562

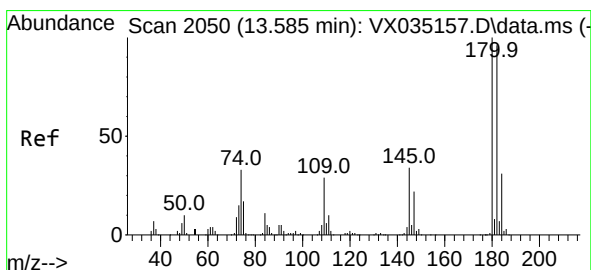
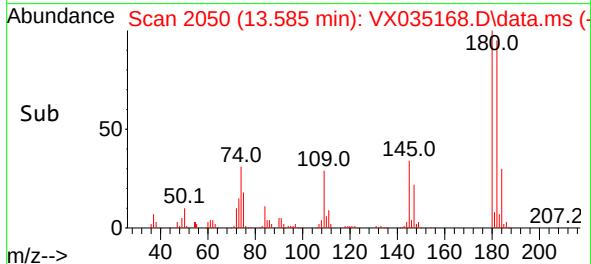
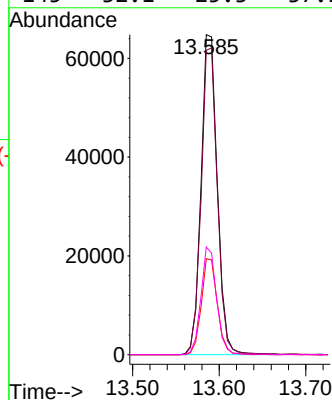
Ion Ratio Lower Upper

180 100

182 94.9 75.4 113.0

184 29.5 23.8 35.8

145 32.1 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 23.090 ug/L

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX035168.D

Acq: 19 Apr 2023 14:43

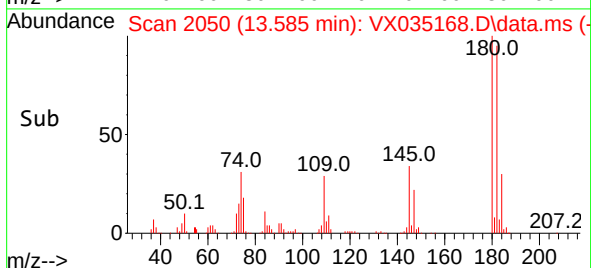
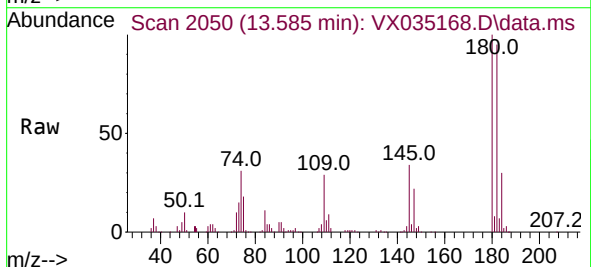
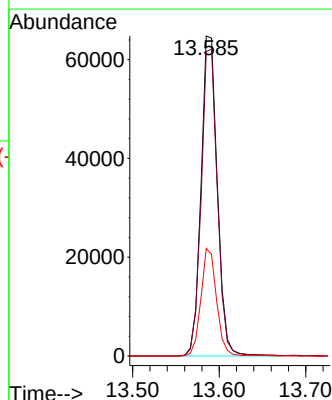
Tgt Ion:180 Resp: 84562

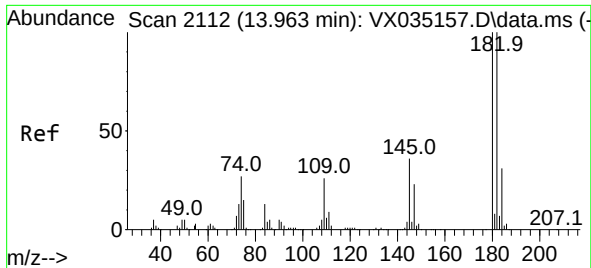
Ion Ratio Lower Upper

180 100

182 94.9 76.6 114.8

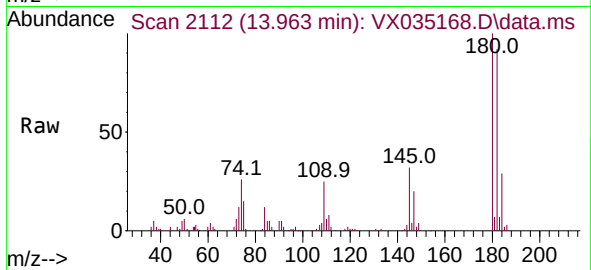
145 32.1 26.2 39.4





#72
 1,2,3-Trichlorobenzene
 Concen: 7.063 ug/L
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VX035168.D
 Acq: 19 Apr 2023 14:43

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 25538
 Ion Ratio Lower Upper
 180 100
 182 99.9 75.0 112.6
 145 34.1 27.1 40.7

