

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041923\
 Data File : VX035172.D
 Acq On : 19 Apr 2023 16:15
 Operator : JC/MD
 Sample : 02397-13RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 02:56:58 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)

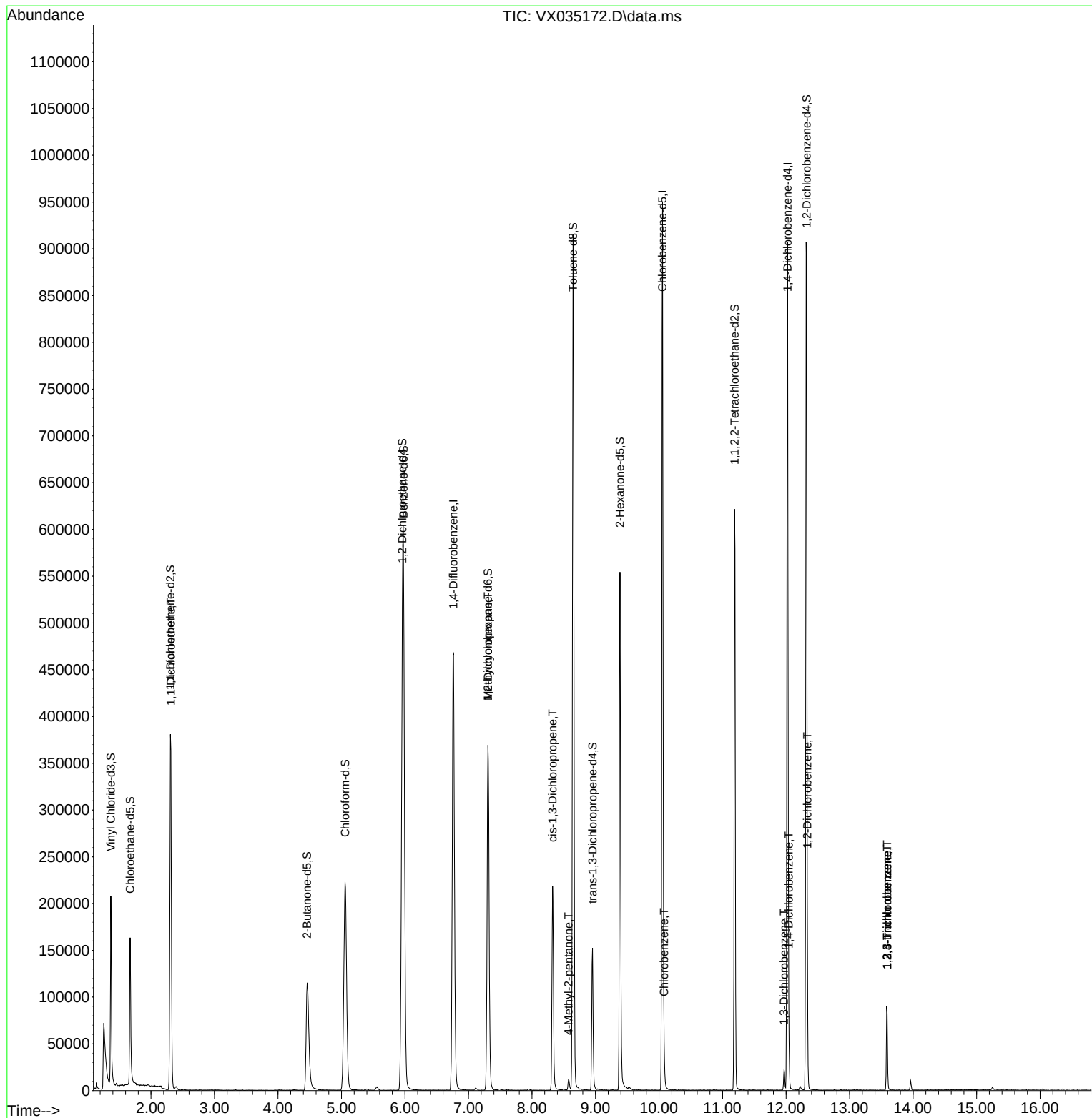
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	485122	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	415735	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	188550	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	137237	43.873	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.740%		
7) Chloroethane-d5	1.672	69	108074	47.814	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.620%		
11) 1,1-Dichloroethene-d2	2.306	65	69576	46.486	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.980%		
21) 2-Butanone-d5	4.458	46	222477	106.727	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	106.730%		
24) Chloroform-d	5.056	84	289039	49.066	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.140%		
26) 1,2-Dichloroethane-d4	5.958	65	194768	51.487	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.980%		
32) Benzene-d6	5.976	84	612798	51.313	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.620%		
36) 1,2-Dichloropropane-d6	7.305	67	191081	52.380	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	104.760%		
41) Toluene-d8	8.647	98	547290	50.143	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.280%		
43) trans-1,3-Dichloroprop...	8.951	79	72321	45.364	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.720%		
47) 2-Hexanone-d5	9.384	63	158520	108.209	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	108.210%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	238389	53.359	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	106.720%		
66) 1,2-Dichlorobenzene-d4	12.323	152	191472	52.402	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.800%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.312	96	1709	0.590	ug/L #	1
35) Methylcyclohexane	7.305	83	45292	10.042	ug/L #	18
39) cis-1,3-Dichloropropene	8.324	75	5048	1.019	ug/L #	56
40) 4-Methyl-2-pentanone	8.573	43	7615	1.743	ug/L	98
51) Chlorobenzene	10.079	112	11806	1.372	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	7549	1.291	ug/L	96
65) 1,4-Dichlorobenzene	12.042	146	18663	3.119	ug/L	95
67) 1,2-Dichlorobenzene	12.335	146	14224	2.399	ug/L	95
69) 1,3,5-Trichlorobenzene	13.591	180	21602	5.976	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	21602	6.382	ug/L	100
72) 1,2,3-Trichlorobenzene	13.591	180	20266	6.065	ug/L	96

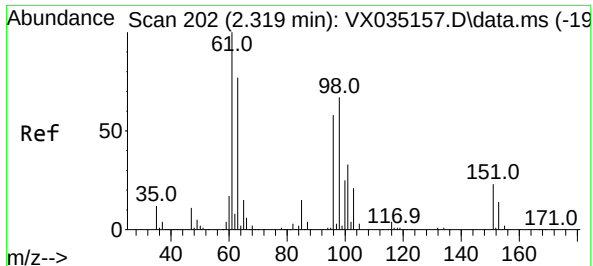
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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Quant Time: Apr 20 02:56:58 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





#12

1,1-Dichloroethene

Concen: 0.590 ug/L

RT: 2.312 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX035172.D

Acq: 19 Apr 2023 16:15

Instrument :

MSVOA_X

ClientSampleId :

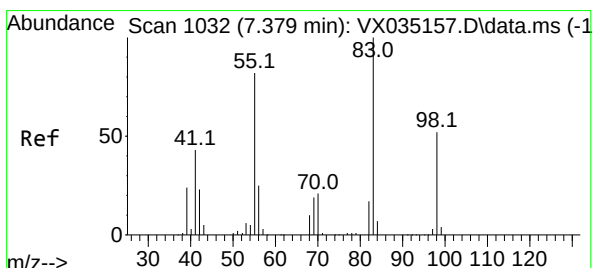
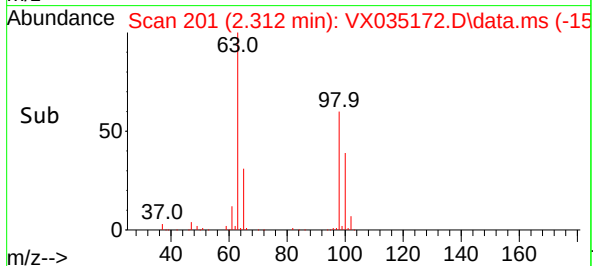
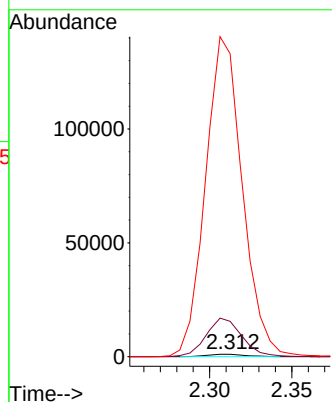
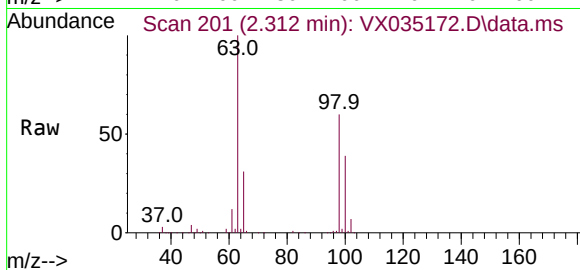
Tgt Ion: 96 Resp: 1709

Ion Ratio Lower Upper

96 100

61 1444.1 119.0 221.0#

63 12360.3 91.0 169.0#



#35

Methylcyclohexane

Concen: 10.042 ug/L

RT: 7.305 min Scan# 1020

Delta R.T. -0.073 min

Lab File: VX035172.D

Acq: 19 Apr 2023 16:15

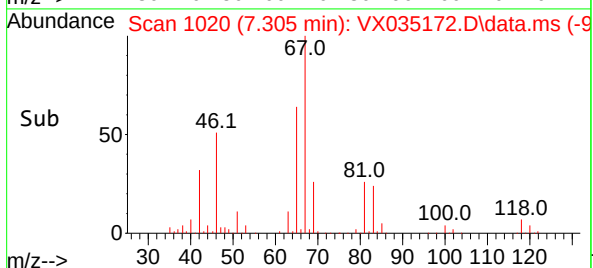
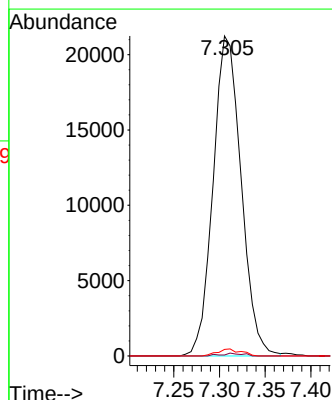
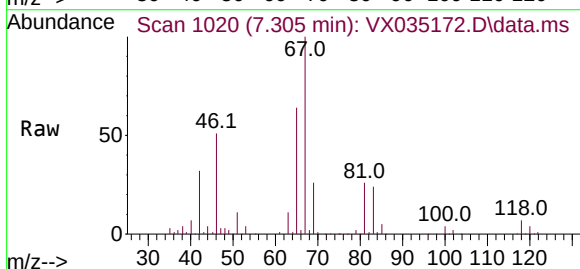
Tgt Ion: 83 Resp: 45292

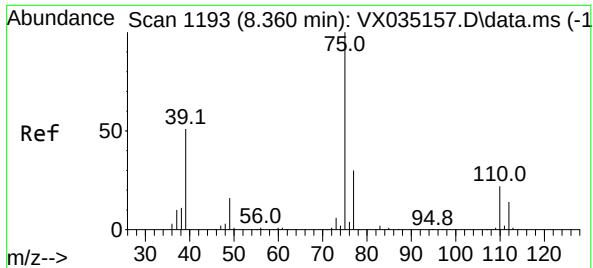
Ion Ratio Lower Upper

83 100

55 0.3 62.2 93.2#

98 1.4 39.3 58.9#





#39

cis-1,3-Dichloropropene

Concen: 1.019 ug/L

RT: 8.324 min Scan# 1187

Delta R.T. -0.037 min

Lab File: VX035172.D

Acq: 19 Apr 2023 16:15

Instrument :

MSVOA_X

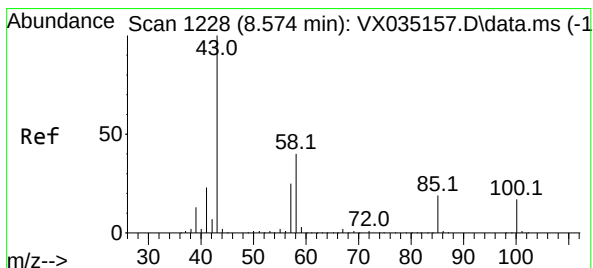
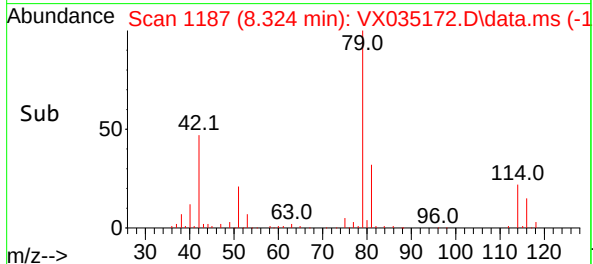
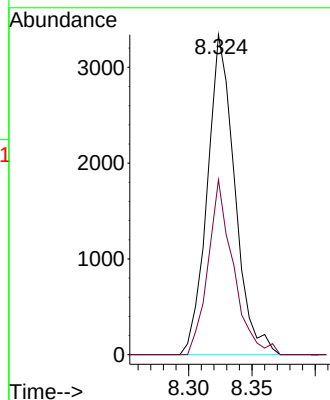
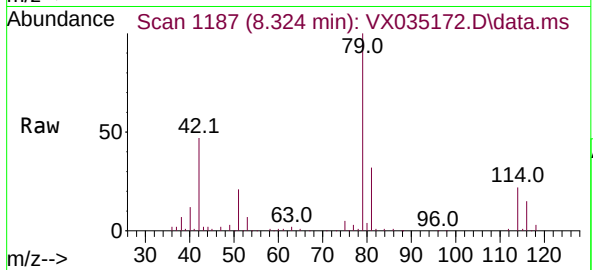
ClientSampleId :

Tgt Ion: 75 Resp: 5048

Ion Ratio Lower Upper

75 100

77 54.7 21.4 39.8#



#40

4-Methyl-2-pentanone

Concen: 1.743 ug/L

RT: 8.573 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX035172.D

Acq: 19 Apr 2023 16:15

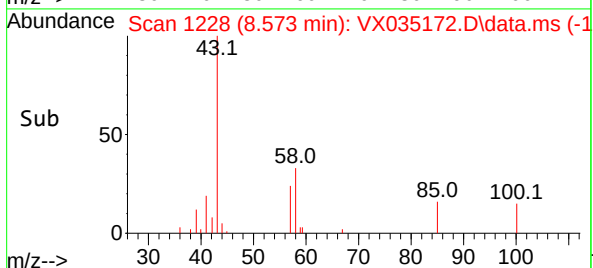
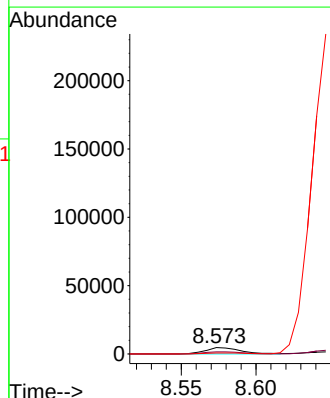
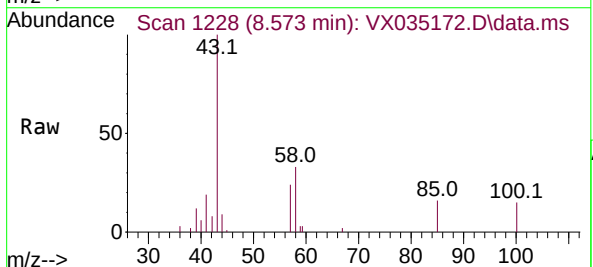
Tgt Ion: 43 Resp: 7615

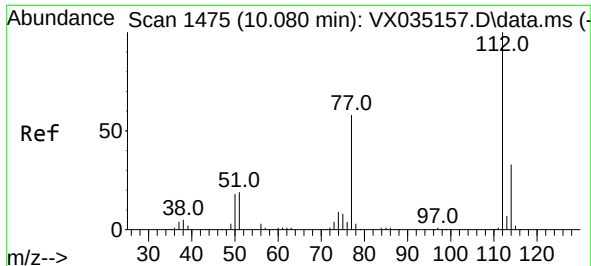
Ion Ratio Lower Upper

43 100

58 38.7 31.5 47.3

100 17.8 12.8 19.2

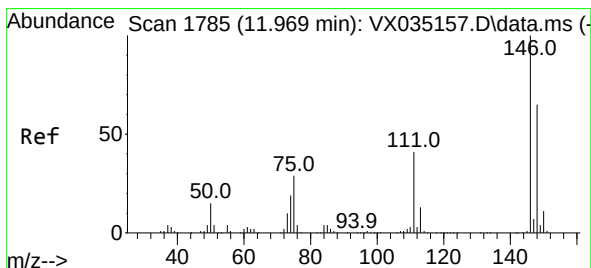
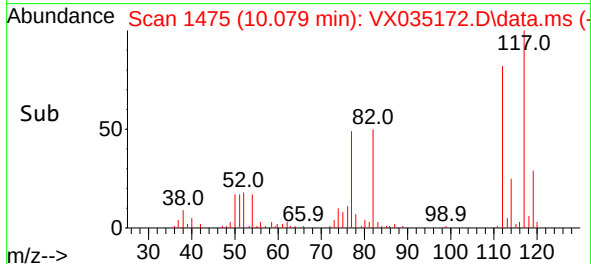
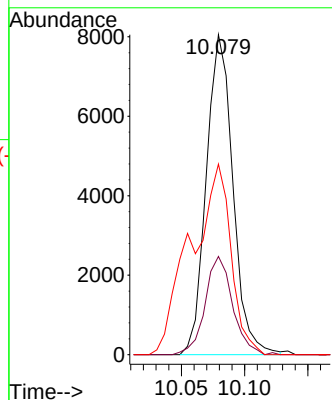
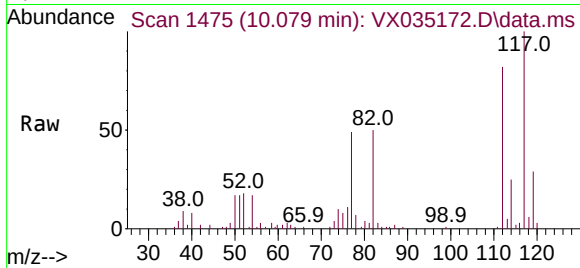




#51
Chlorobenzene
Concen: 1.372 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX035172.D
Acq: 19 Apr 2023 16:15

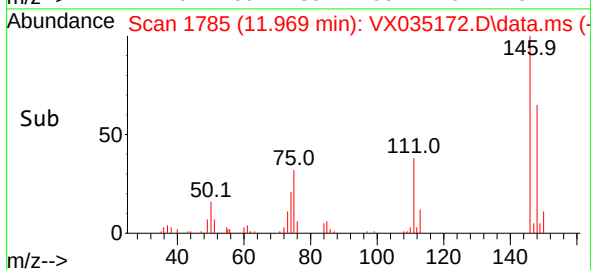
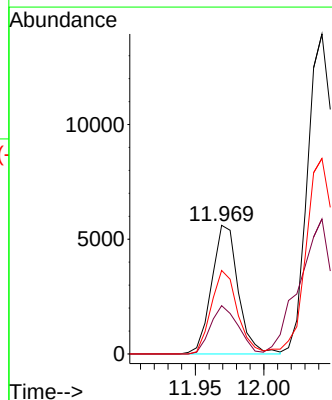
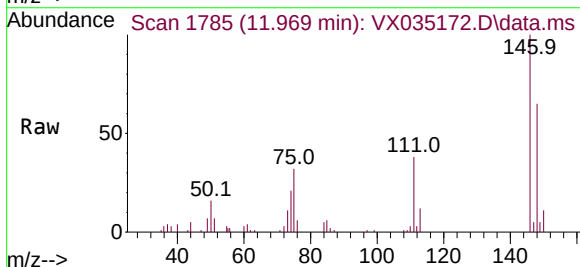
Instrument :
MSVOA_X
ClientSampleId :

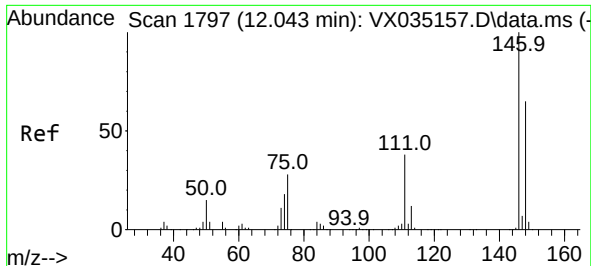
Tgt Ion:112 Resp: 11806
Ion Ratio Lower Upper
112 100
114 30.7 22.4 41.6
77 59.5 47.0 70.6



#64
1,3-Dichlorobenzene
Concen: 1.291 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX035172.D
Acq: 19 Apr 2023 16:15

Tgt Ion:146 Resp: 7549
Ion Ratio Lower Upper
146 100
111 37.5 28.9 53.7
148 64.9 44.3 82.3

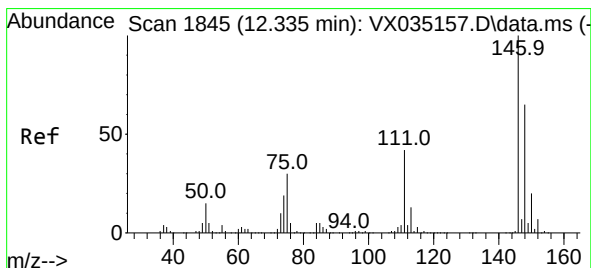
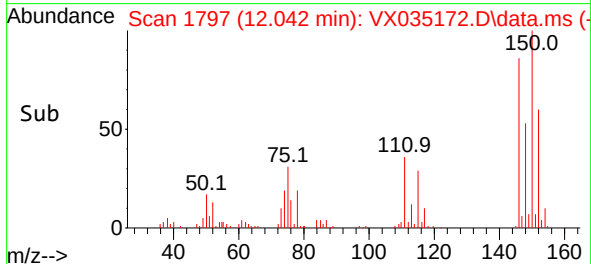
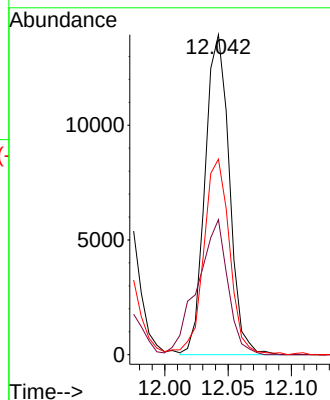
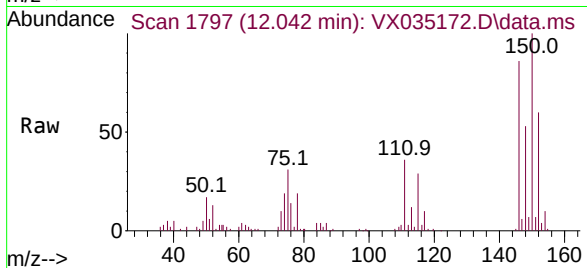




#65
1,4-Dichlorobenzene
Concen: 3.119 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX035172.D
Acq: 19 Apr 2023 16:15

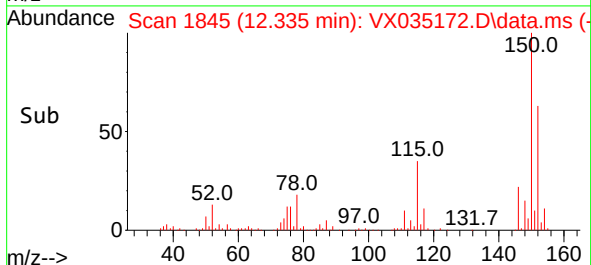
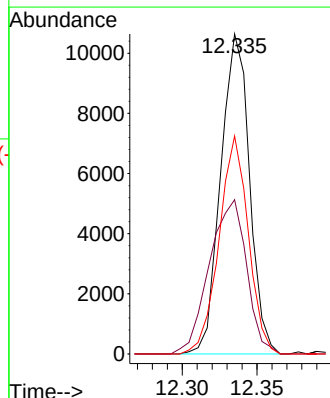
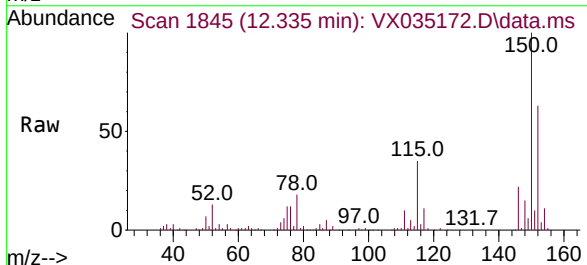
Instrument :
MSVOA_X
ClientSampleId :

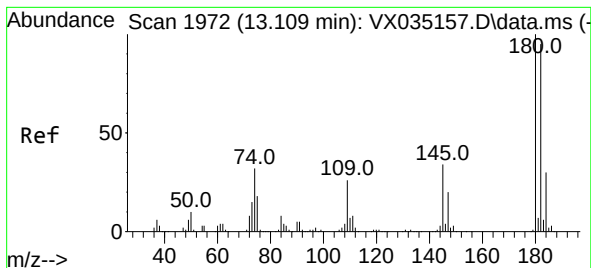
Tgt Ion:146 Resp: 18663
Ion Ratio Lower Upper
146 100
111 42.2 27.9 51.7
148 61.1 45.9 85.3



#67
1,2-Dichlorobenzene
Concen: 2.399 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX035172.D
Acq: 19 Apr 2023 16:15

Tgt Ion:146 Resp: 14224
Ion Ratio Lower Upper
146 100
111 48.2 34.7 52.1
148 68.1 52.1 78.1





#69

1,3,5-Trichlorobenzene

Concen: 5.976 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.481 min

Lab File: VX035172.D

Acq: 19 Apr 2023 16:15

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180 Resp: 21602

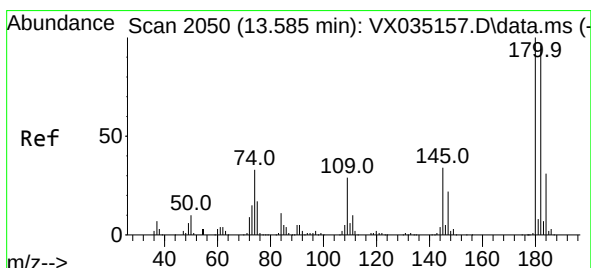
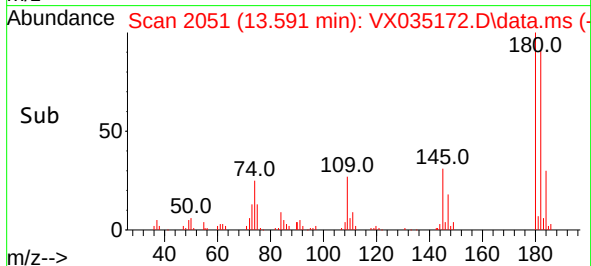
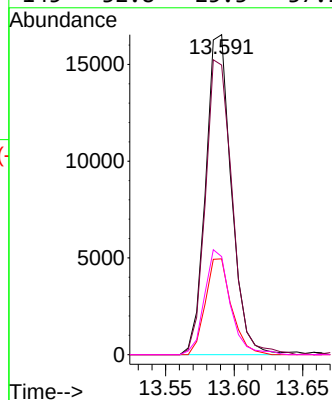
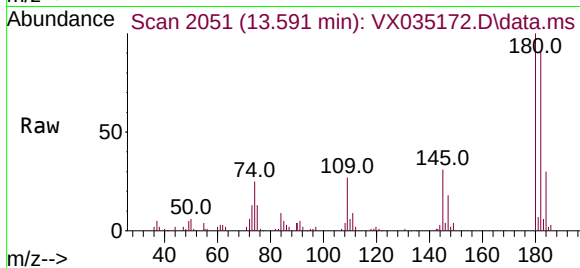
Ion Ratio Lower Upper

180 100

182 95.6 75.4 113.0

184 30.3 23.8 35.8

145 32.8 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 6.382 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035172.D

Acq: 19 Apr 2023 16:15

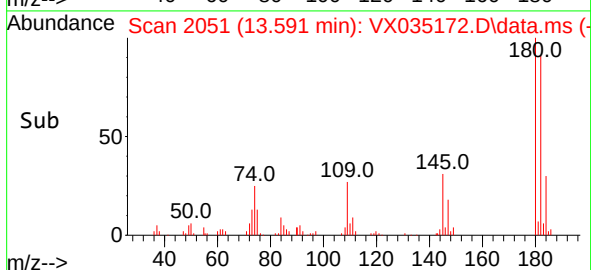
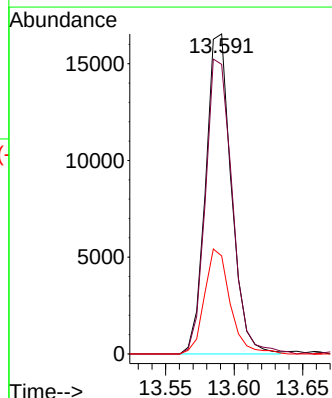
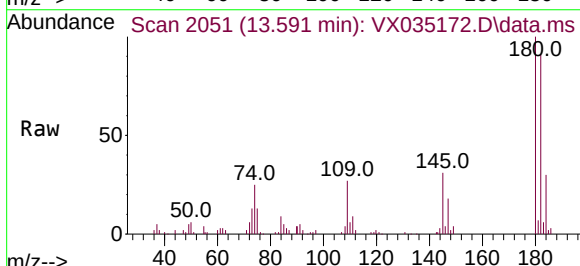
Tgt Ion:180 Resp: 21602

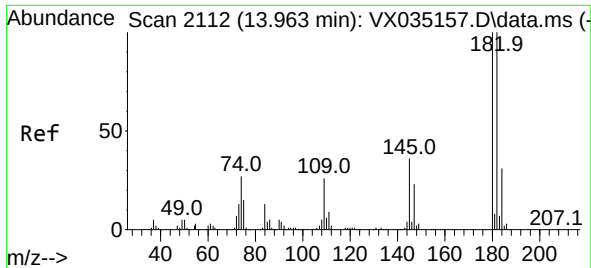
Ion Ratio Lower Upper

180 100

182 95.6 76.6 114.8

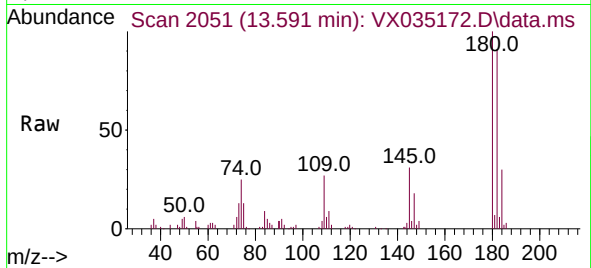
145 32.8 26.2 39.4





#72
 1,2,3-Trichlorobenzene
 Concen: 6.065 ug/L
 RT: 13.591 min Scan# 20
 Delta R.T. -0.372 min
 Lab File: VX035172.D
 Acq: 19 Apr 2023 16:15

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 20266
 Ion Ratio Lower Upper
 180 100
 182 98.0 75.0 112.6
 145 33.2 27.1 40.7

