

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041923\
 Data File : VX035160.D
 Acq On : 19 Apr 2023 11:38
 Operator : JC/MD
 Sample : 02397-07DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 02:53:55 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)

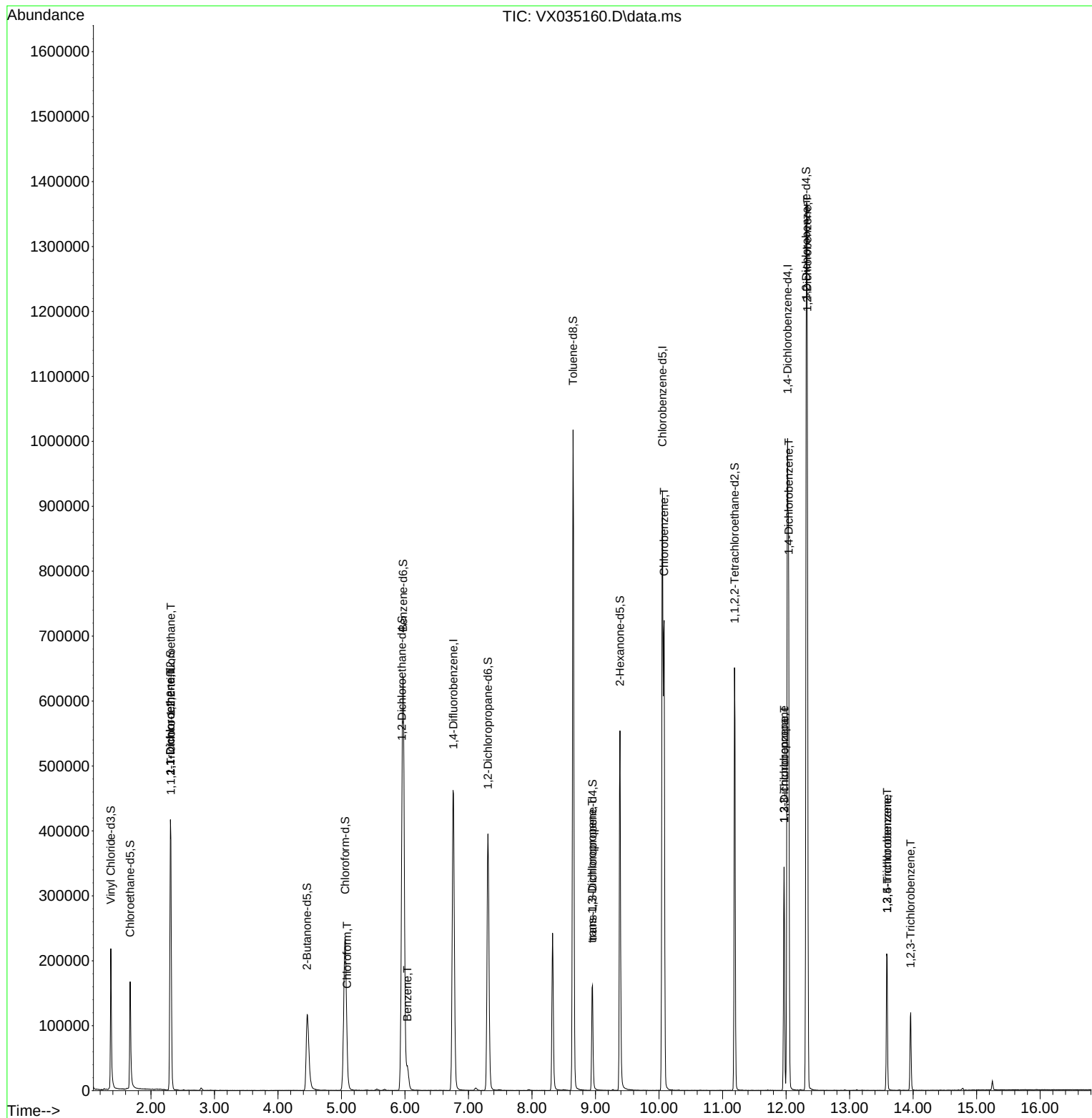
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	477328	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	415561	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	194988	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	151455	49.209	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.420%
7) Chloroethane-d5	1.672	69	118741	53.391	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.780%
11) 1,1-Dichloroethene-d2	2.307	65	76779	52.136	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.280%
21) 2-Butanone-d5	4.459	46	227633	110.984	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.980%
24) Chloroform-d	5.056	84	306066	52.805	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.620%
26) 1,2-Dichloroethane-d4	5.952	65	201461	54.126	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.260%
32) Benzene-d6	5.970	84	656488	54.994	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.980%
36) 1,2-Dichloropropane-d6	7.306	67	201867	55.359	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.720%
41) Toluene-d8	8.647	98	592886	54.343	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.680%
43) trans-1,3-Dichloroprop...	8.952	79	79268	49.742	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.480%
47) 2-Hexanone-d5	9.384	63	161118	110.029	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.030%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	242768	54.362	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.720%
66) 1,2-Dichlorobenzene-d4	12.317	152	207554	54.928	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.860%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	2379	0.761	ug/L #	19
12) 1,1-Dichloroethene	2.307	96	2039	0.715	ug/L #	1
25) Chloroform	5.086	83	7508	1.308	ug/L	92
33) Benzene	6.038	78	41111	3.267	ug/L	100
44) trans-1,3-Dichloropropene	8.946	75	3478	0.779	ug/L	87
51) Chlorobenzene	10.079	112	317900	36.957	ug/L	99
61) 1,2,3-Trichloropropane	11.969	75	32253	8.959	ug/L #	48
64) 1,3-Dichlorobenzene	11.969	146	108599	17.959	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	246957	39.911	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	317090	51.716	ug/L	100
69) 1,3,5-Trichlorobenzene	13.591	180	52304	13.991	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	52304	14.942	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	28964	8.382	ug/L	97

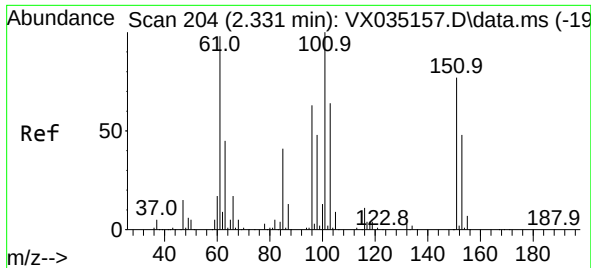
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

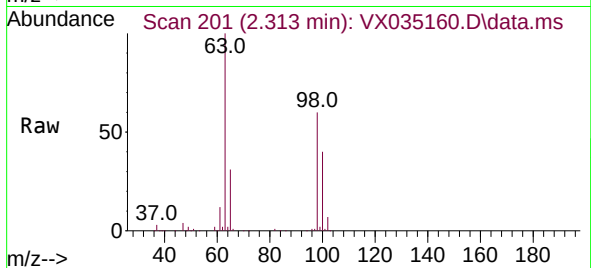
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 20 02:36:32 2023
Response via : Initial Calibration



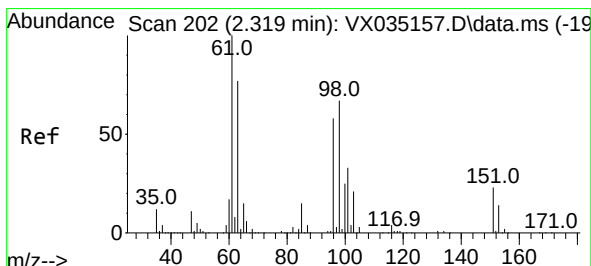
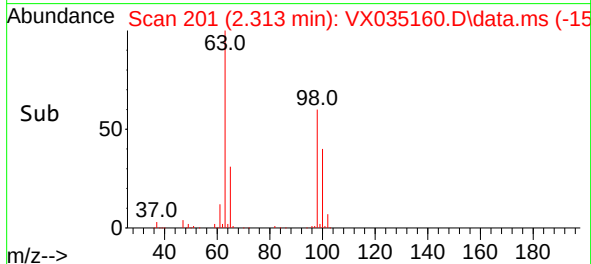
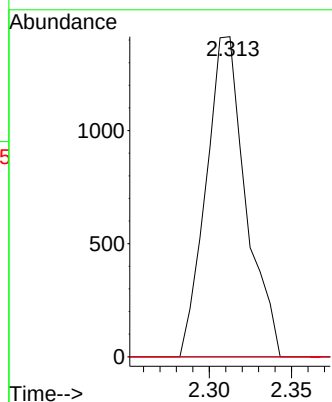


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.761 ug/L
RT: 2.313 min Scan# 20
Delta R.T. -0.018 min
Lab File: VX035160.D
Acq: 19 Apr 2023 11:38

Instrument :
MSVOA_X
ClientSampleId :

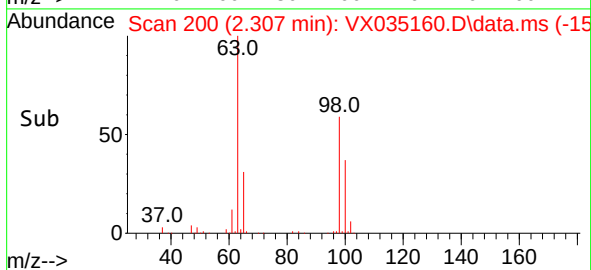
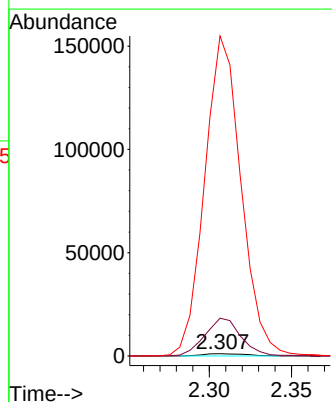
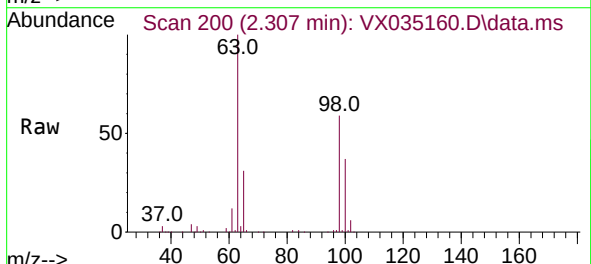


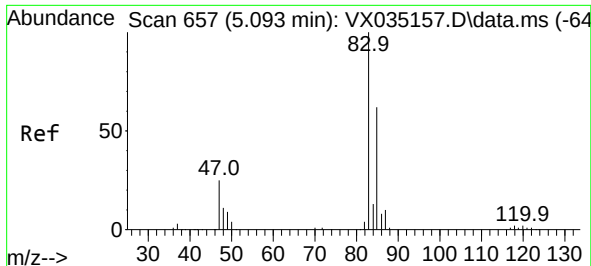
Tgt Ion:101 Resp: 2379
Ion Ratio Lower Upper
101 100
85 0.0 34.2 51.2#
151 0.0 61.1 91.7#



#12
1,1-Dichloroethene
Concen: 0.715 ug/L
RT: 2.307 min Scan# 200
Delta R.T. -0.012 min
Lab File: VX035160.D
Acq: 19 Apr 2023 11:38

Tgt Ion: 96 Resp: 2039
Ion Ratio Lower Upper
96 100
61 1658.1 119.0 221.0#
63 14060.3 91.0 169.0#

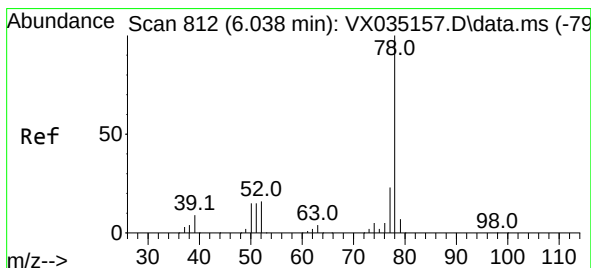
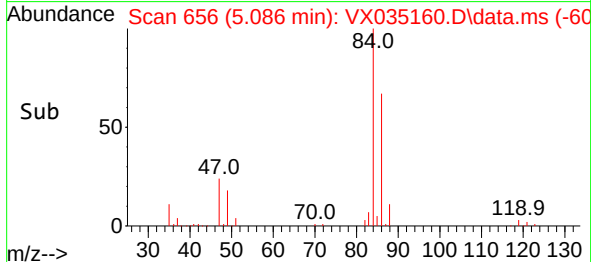
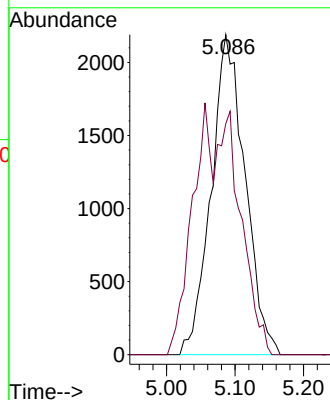
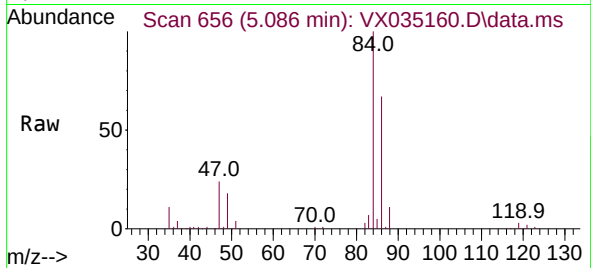




#25
Chloroform
Concen: 1.308 ug/L
RT: 5.086 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX035160.D
Acq: 19 Apr 2023 11:38

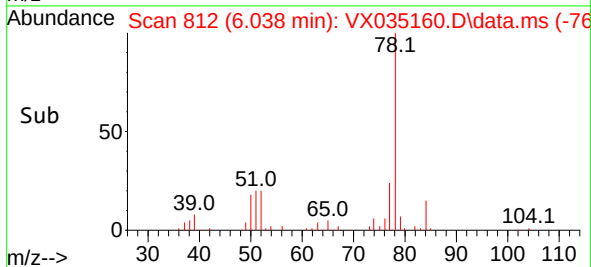
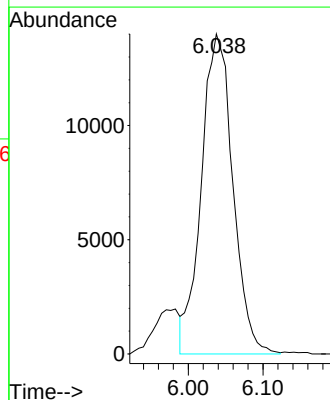
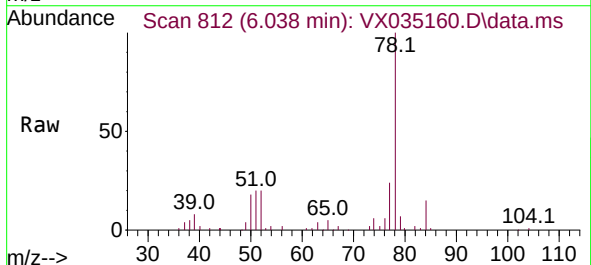
Instrument :
MSVOA_X
ClientSampleId :

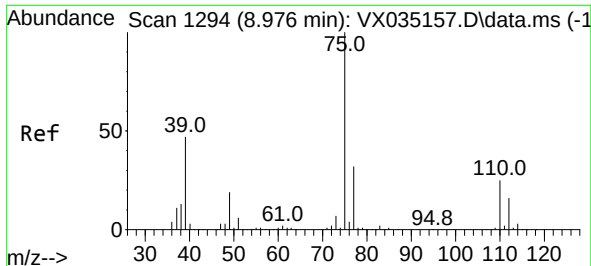
Tgt Ion: 83 Resp: 7508
Ion Ratio Lower Upper
83 100
85 72.2 46.0 85.4



#33
Benzene
Concen: 3.267 ug/L
RT: 6.038 min Scan# 812
Delta R.T. -0.000 min
Lab File: VX035160.D
Acq: 19 Apr 2023 11:38

Tgt Ion: 78 Resp: 41111

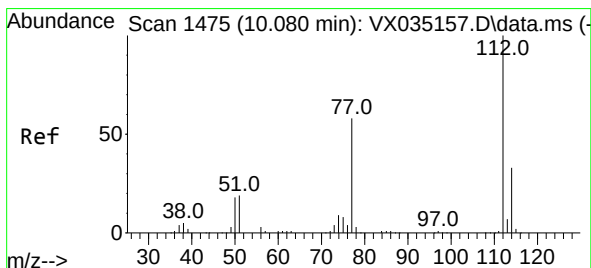
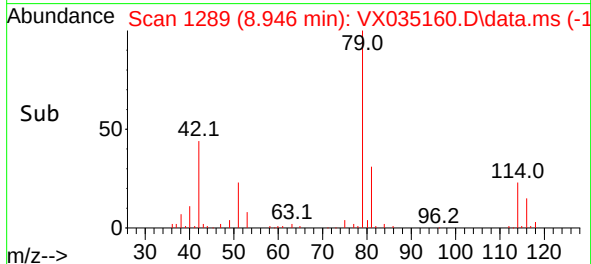
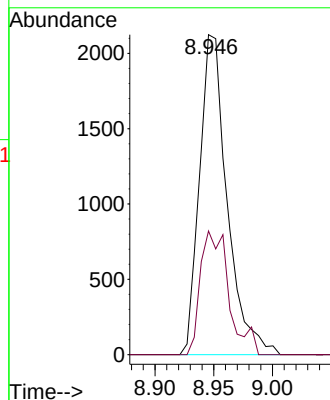
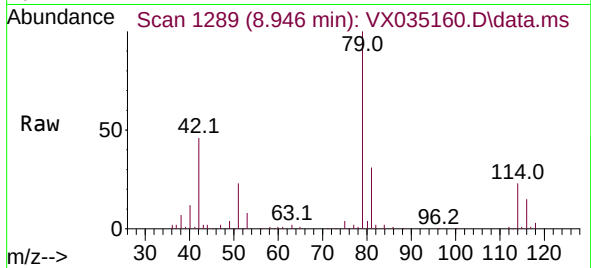




#44
trans-1,3-Dichloropropene
Concen: 0.779 ug/L
RT: 8.946 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX035160.D
Acq: 19 Apr 2023 11:38

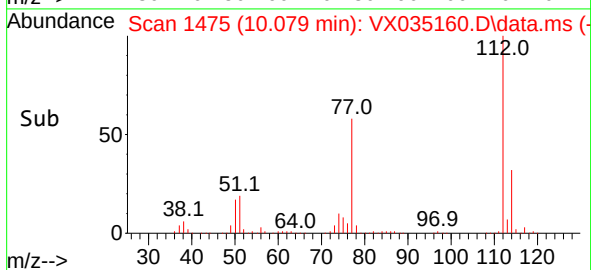
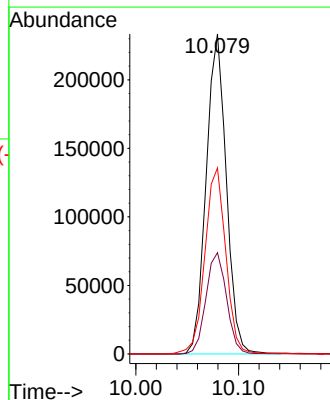
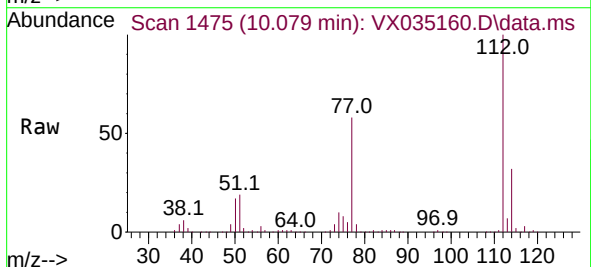
Instrument :
MSVOA_X
ClientSampleId :

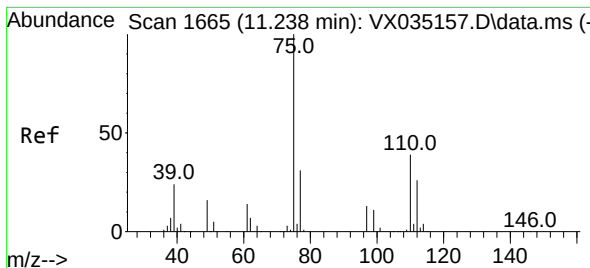
Tgt Ion: 75 Resp: 3478
Ion Ratio Lower Upper
75 100
77 38.7 22.0 40.8



#51
Chlorobenzene
Concen: 36.957 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX035160.D
Acq: 19 Apr 2023 11:38

Tgt Ion: 112 Resp: 317900
Ion Ratio Lower Upper
112 100
114 31.6 22.4 41.6
77 58.1 47.0 70.6





#61

1,2,3-Trichloropropane

Concen: 8.959 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.732 min

Lab File: VX035160.D

Acq: 19 Apr 2023 11:38

Instrument :

MSVOA_X

ClientSampleId :

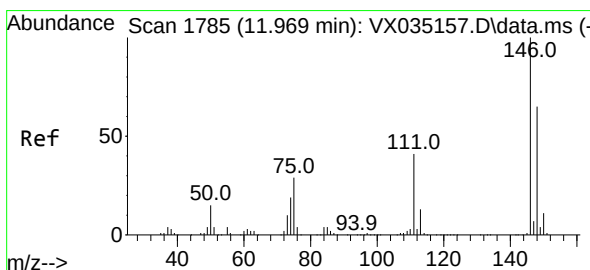
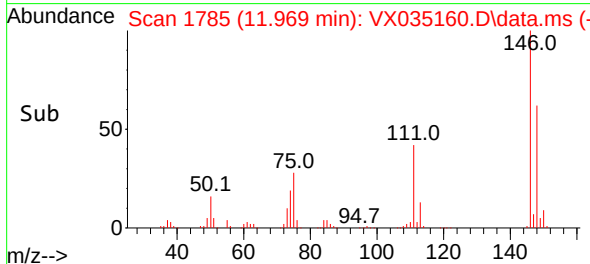
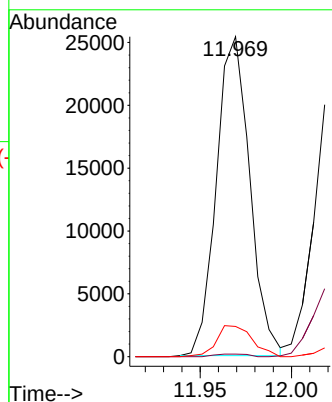
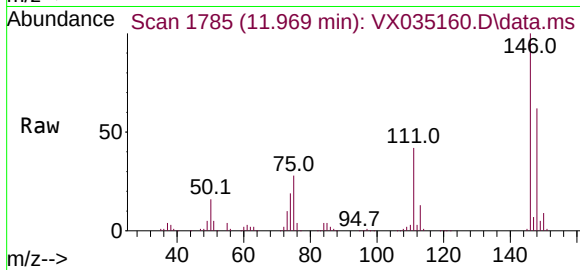
Tgt Ion: 75 Resp: 32253

Ion Ratio Lower Upper

75 100

77 0.8 25.6 38.4#

110 10.4 32.5 48.7#



#64

1,3-Dichlorobenzene

Concen: 17.959 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX035160.D

Acq: 19 Apr 2023 11:38

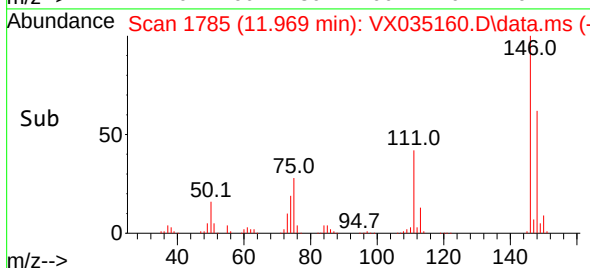
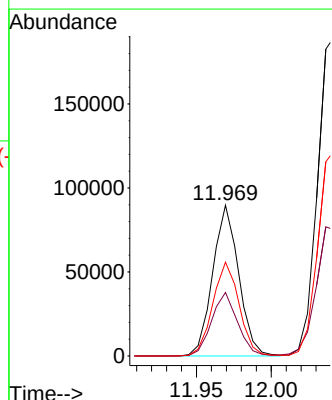
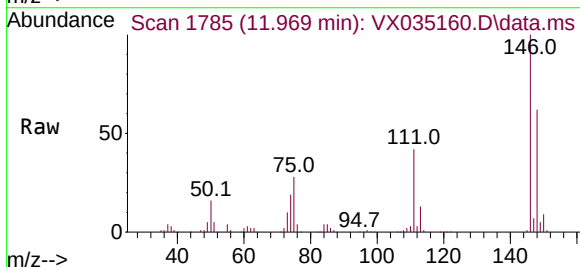
Tgt Ion: 146 Resp: 108599

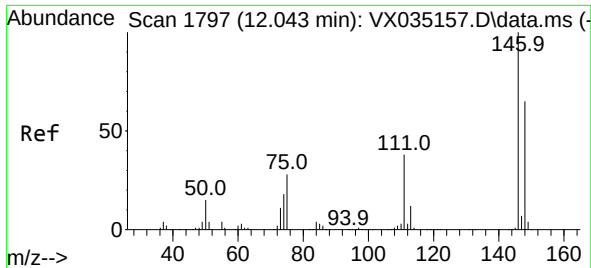
Ion Ratio Lower Upper

146 100

111 42.1 28.9 53.7

148 62.2 44.3 82.3

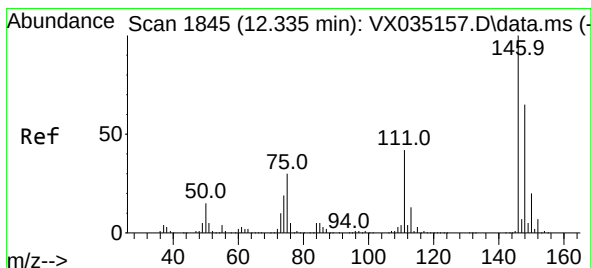
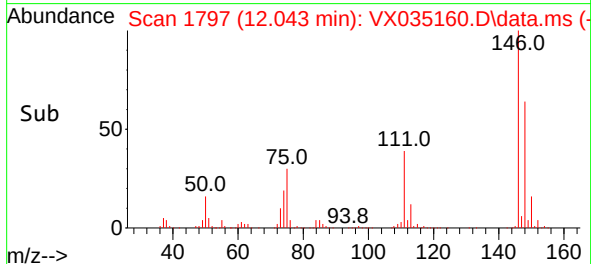
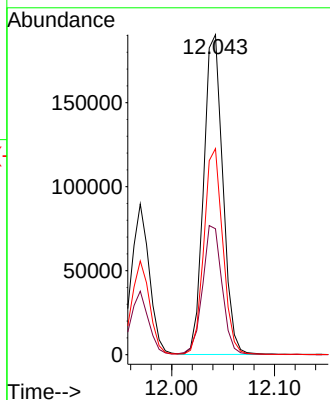
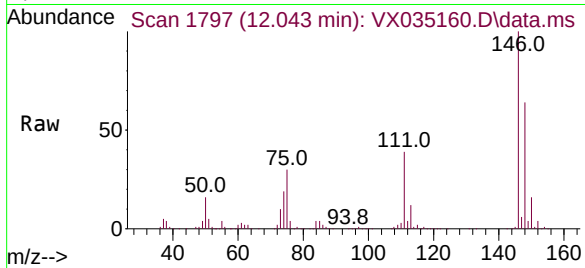




#65
1,4-Dichlorobenzene
Concen: 39.911 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX035160.D
Acq: 19 Apr 2023 11:38

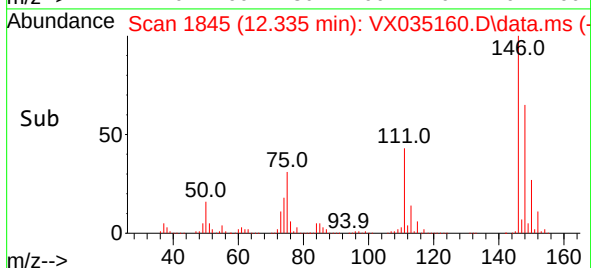
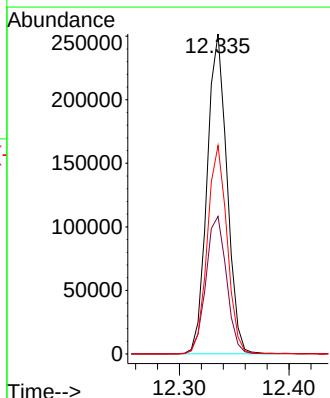
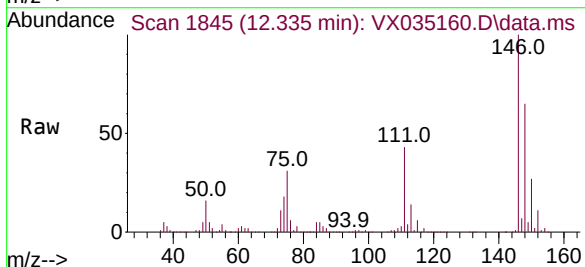
Instrument :
MSVOA_X
ClientSampleId :

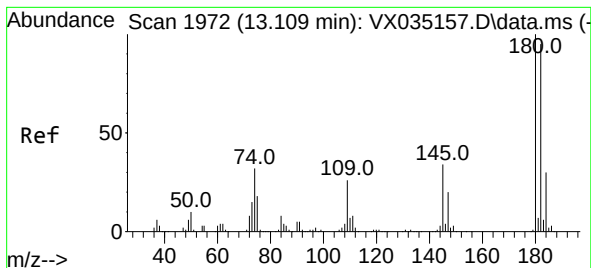
Tgt Ion:146 Resp: 246957
Ion Ratio Lower Upper
146 100
111 39.4 27.9 51.7
148 64.4 45.9 85.3



#67
1,2-Dichlorobenzene
Concen: 51.716 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX035160.D
Acq: 19 Apr 2023 11:38

Tgt Ion:146 Resp: 317090
Ion Ratio Lower Upper
146 100
111 43.0 34.7 52.1
148 65.2 52.1 78.1





#69

1,3,5-Trichlorobenzene

Concen: 13.991 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.482 min

Lab File: VX035160.D

Acq: 19 Apr 2023 11:38

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180 Resp: 52304

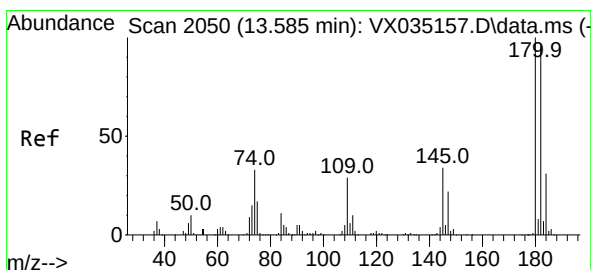
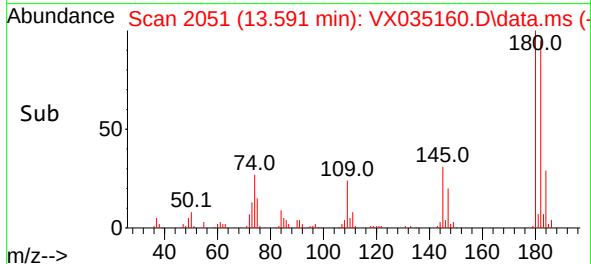
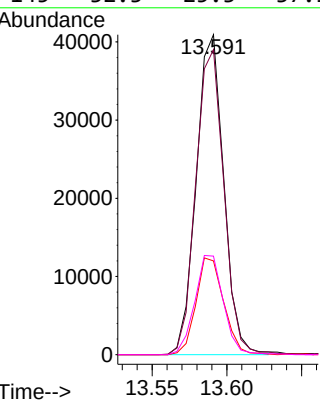
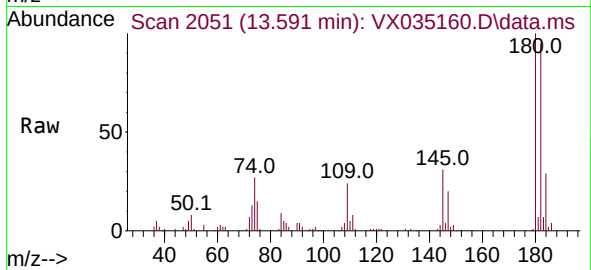
Ion Ratio Lower Upper

180 100

182 97.3 75.4 113.0

184 30.6 23.8 35.8

145 32.3 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 14.942 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035160.D

Acq: 19 Apr 2023 11:38

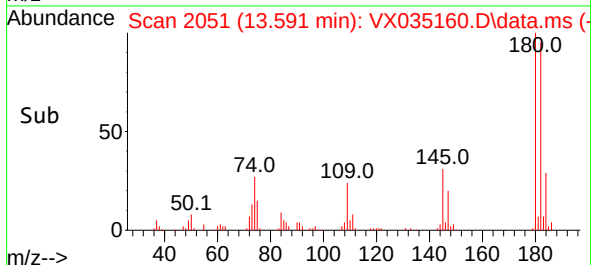
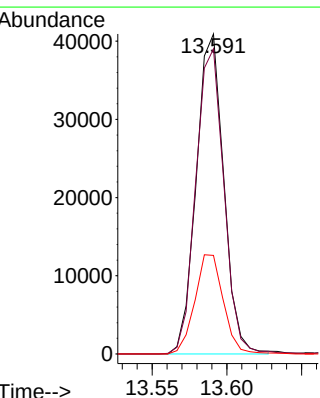
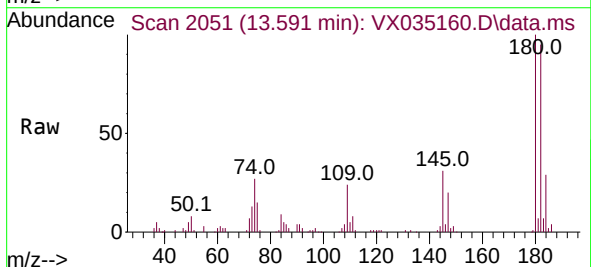
Tgt Ion:180 Resp: 52304

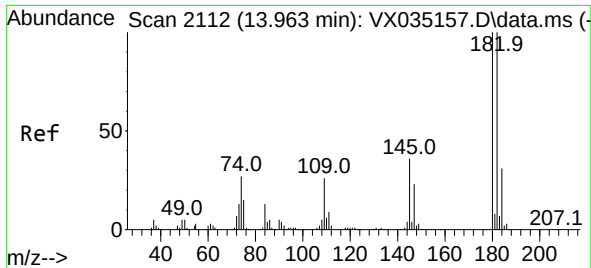
Ion Ratio Lower Upper

180 100

182 97.3 76.6 114.8

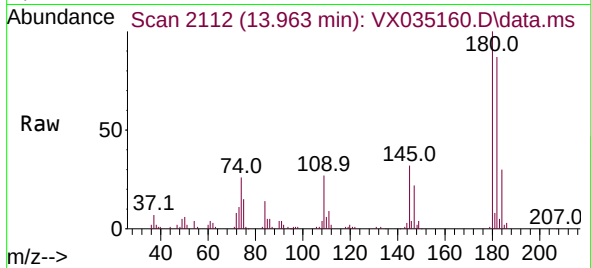
145 32.3 26.2 39.4





#72
 1,2,3-Trichlorobenzene
 Concen: 8.382 ug/L
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX035160.D
 Acq: 19 Apr 2023 11:38

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.0	75.0	112.6
145	35.7	27.1	40.7

