

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041923\
 Data File : VX035161.D
 Acq On : 19 Apr 2023 12:01
 Operator : JC/MD
 Sample : 02397-16DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 02:54:14 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)

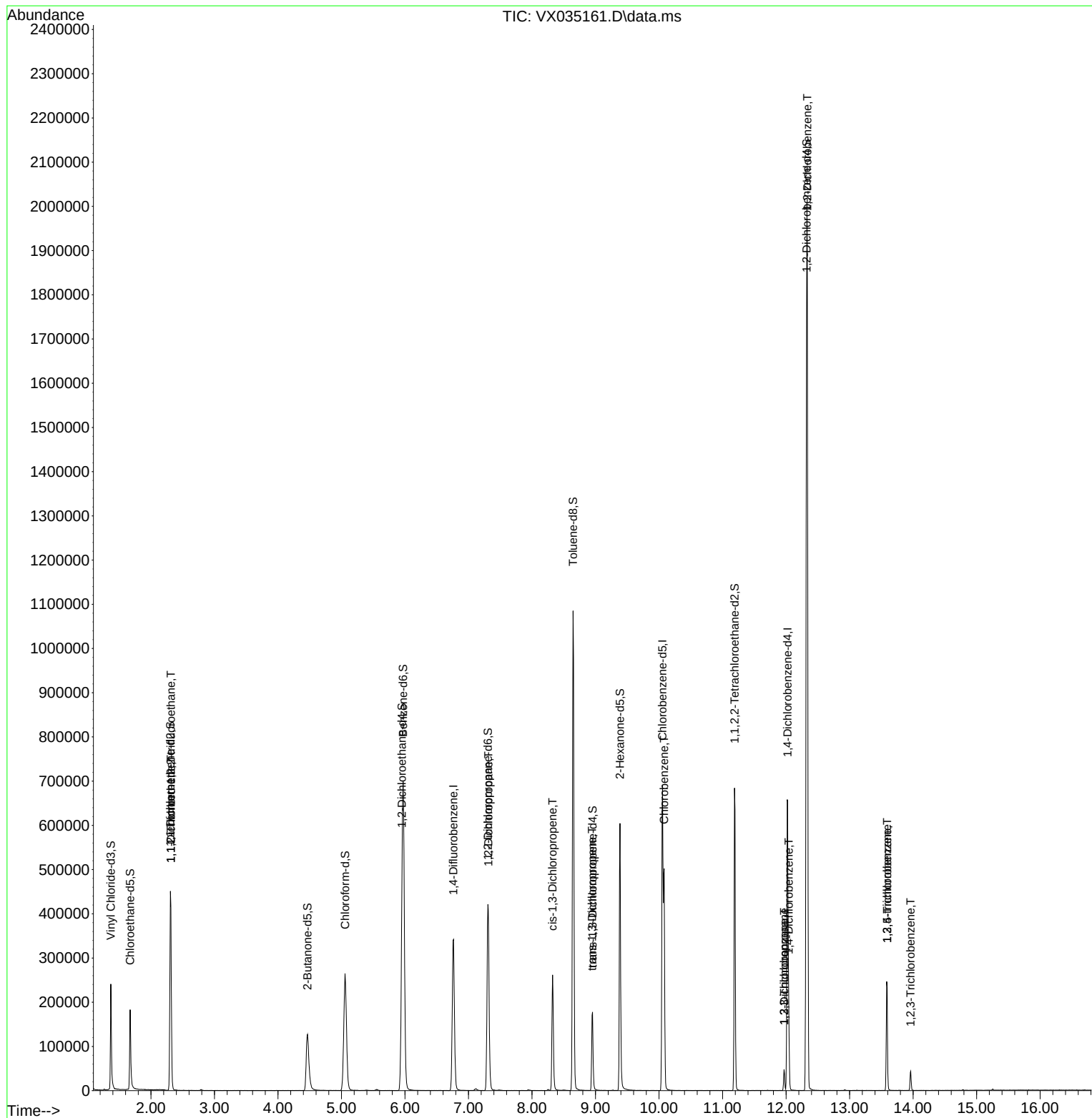
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	356704	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	307316	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	142767	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	162302	70.565	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	141.140%#
7) Chloroethane-d5	1.672	69	127013	76.423	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	152.840%#
11) 1,1-Dichloroethene-d2	2.306	65	82289	74.773	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	149.540%#
21) 2-Butanone-d5	4.465	46	245440	160.132	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	160.130%#
24) Chloroform-d	5.056	84	329125	75.985	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	151.980%#
26) 1,2-Dichloroethane-d4	5.952	65	220114	79.135	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	158.260%#
32) Benzene-d6	5.970	84	714074	80.888	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	161.780%#
36) 1,2-Dichloropropane-d6	7.306	67	221763	82.237	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	164.480%#
41) Toluene-d8	8.647	98	640651	79.405	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	158.800%#
43) trans-1,3-Dichloroprop...	8.952	79	85914	72.902	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	145.800%#
47) 2-Hexanone-d5	9.384	63	173341	160.071	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	160.070%#
56) 1,1,2,2-Tetrachloroeth...	11.189	84	263574	79.810	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	159.620%#
66) 1,2-Dichlorobenzene-d4	12.323	152	222255	80.333	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	160.660%#
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.313	101	2570	1.100	ug/L #	19
12) 1,1-Dichloroethene	2.313	96	1998	0.938	ug/L #	1
37) 1,2-Dichloropropane	7.312	63	24493	9.996	ug/L #	86
39) cis-1,3-Dichloropropene	8.324	75	5808	1.585	ug/L #	60
44) trans-1,3-Dichloropropene	8.946	75	3789	1.148	ug/L	84
51) Chlorobenzene	10.079	112	215573	33.888	ug/L	98
61) 1,2,3-Trichloropropane	11.969	75	4576	1.736	ug/L #	47
64) 1,3-Dichlorobenzene	11.969	146	15108	3.412	ug/L	94
65) 1,4-Dichlorobenzene	12.043	146	57048	12.592	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	545027	121.406	ug/L	98
69) 1,3,5-Trichlorobenzene	13.591	180	60082	21.951	ug/L	100
70) 1,2,4-trichlorobenzene	13.591	180	60082	23.442	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	10766	4.255	ug/L	99

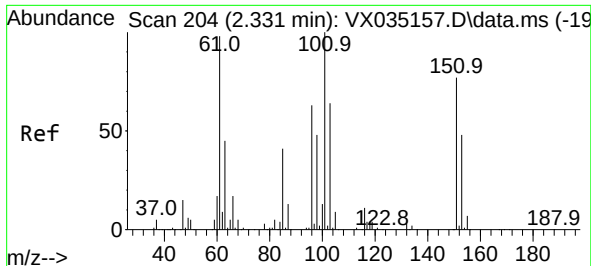
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 1.100 ug/L

RT: 2.313 min Scan# 201

Delta R.T. -0.018 min

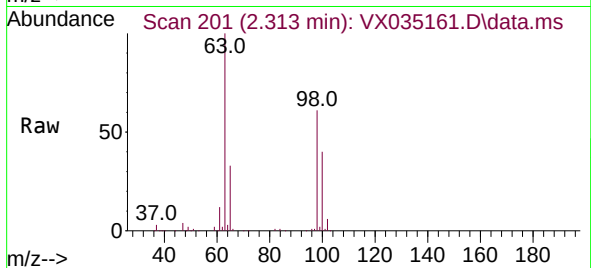
Lab File: VX035161.D

Acq: 19 Apr 2023 12:01

Instrument :

MSVOA_X

ClientSampleId :



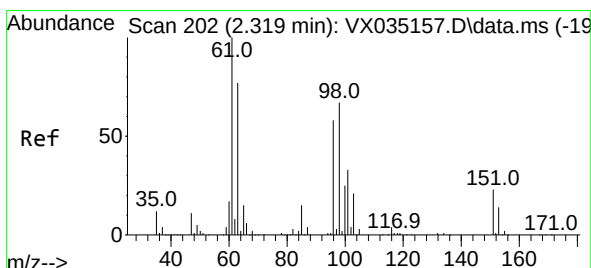
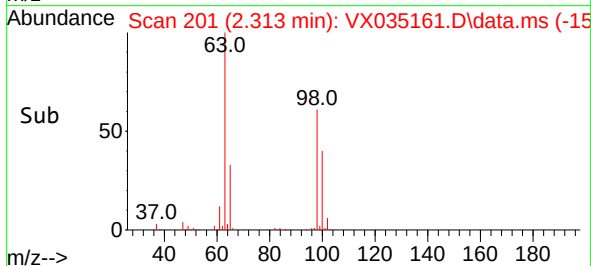
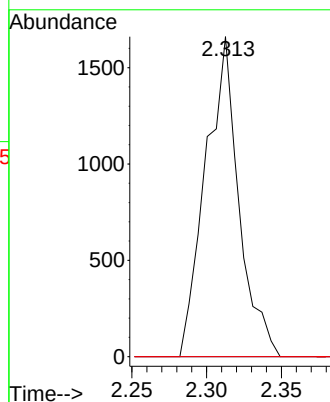
Tgt Ion:101 Resp: 2570

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: 0.938 ug/L

RT: 2.313 min Scan# 201

Delta R.T. -0.006 min

Lab File: VX035161.D

Acq: 19 Apr 2023 12:01

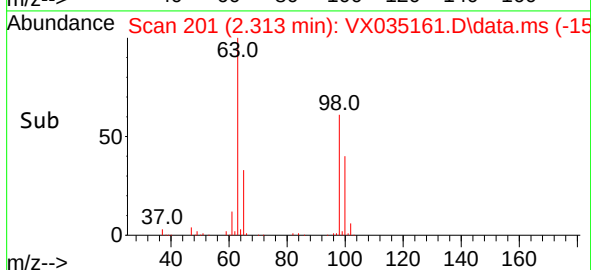
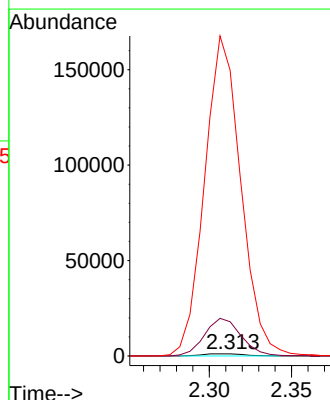
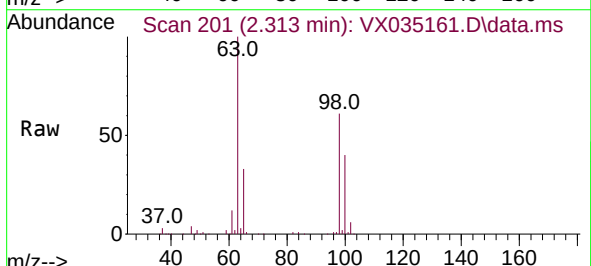
Tgt Ion: 96 Resp: 1998

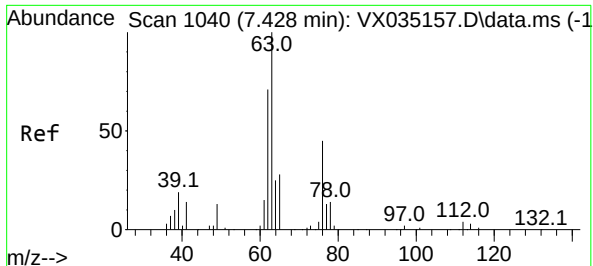
Ion Ratio Lower Upper

96 100

61 1611.5 119.0 221.0#

63 13419.4 91.0 169.0#





#37

1,2-Dichloropropane

Concen: 9.996 ug/L

RT: 7.312 min Scan# 1187

Delta R.T. -0.116 min

Lab File: VX035161.D

Acq: 19 Apr 2023 12:01

Instrument :

MSVOA_X

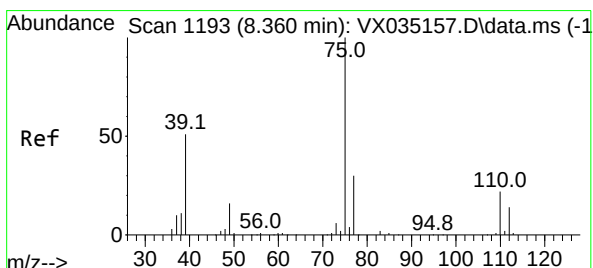
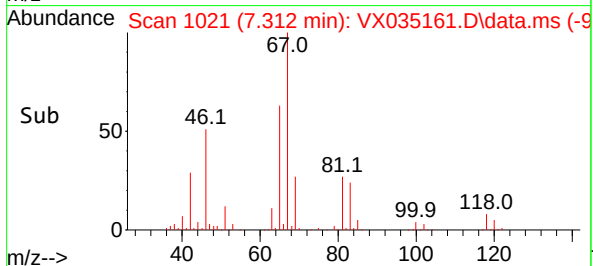
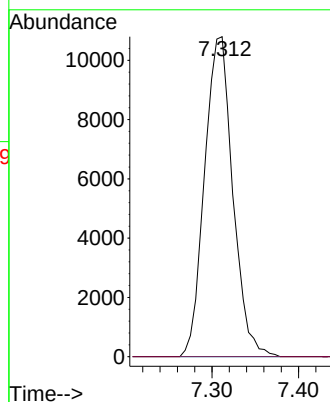
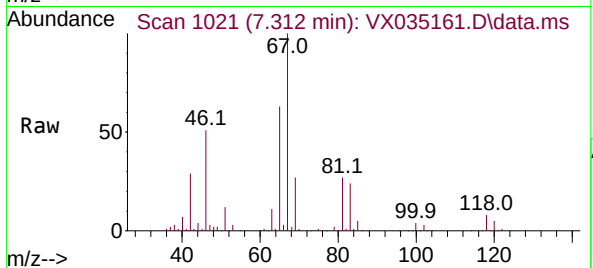
ClientSampleId :

Tgt Ion: 63 Resp: 24493

Ion Ratio Lower Upper

63 100

112 0.0 3.7 5.5#



#39

cis-1,3-Dichloropropene

Concen: 1.585 ug/L

RT: 8.324 min Scan# 1187

Delta R.T. -0.037 min

Lab File: VX035161.D

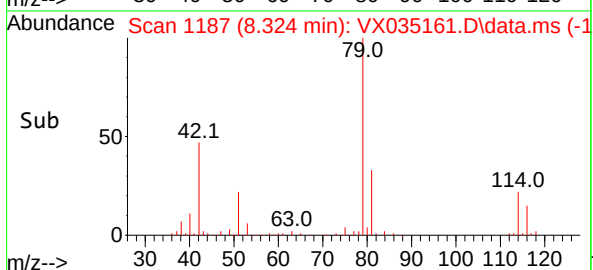
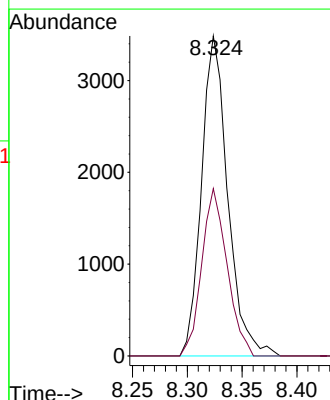
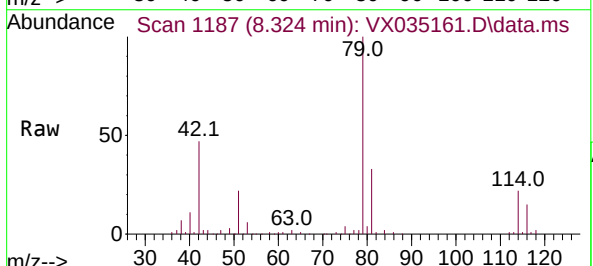
Acq: 19 Apr 2023 12:01

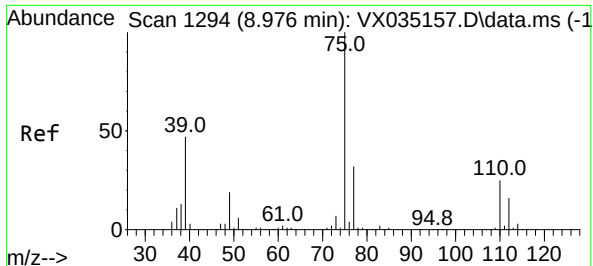
Tgt Ion: 75 Resp: 5808

Ion Ratio Lower Upper

75 100

77 52.3 21.4 39.8#

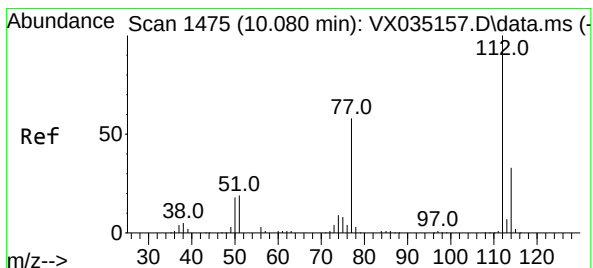
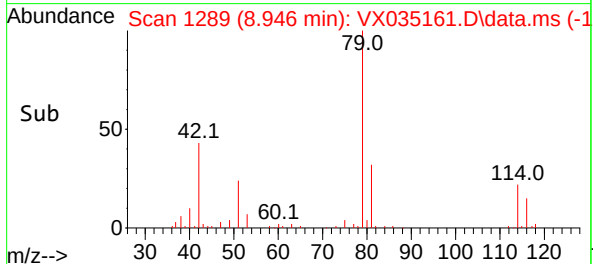
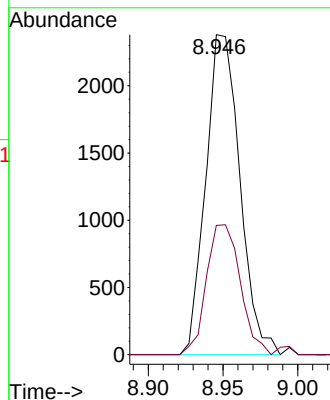
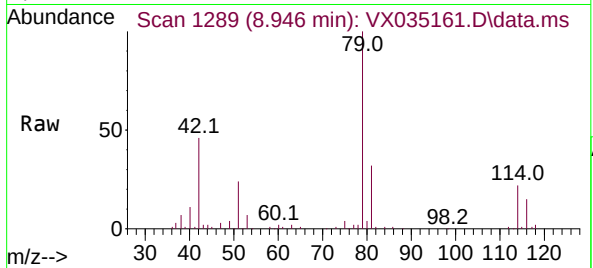




#44
trans-1,3-Dichloropropene
Concen: 1.148 ug/L
RT: 8.946 min Scan# 1289
Delta R.T. -0.031 min
Lab File: VX035161.D
Acq: 19 Apr 2023 12:01

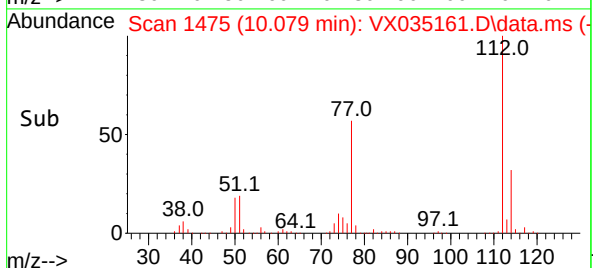
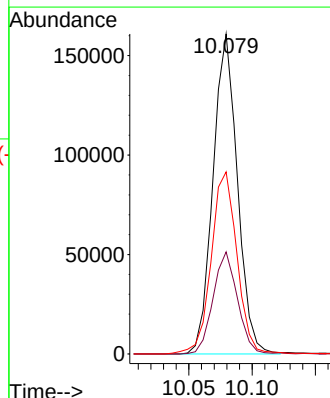
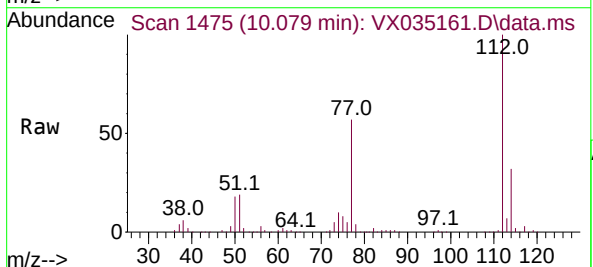
Instrument :
MSVOA_X
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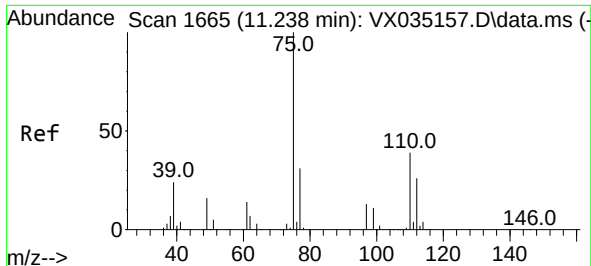
Tgt Ion: 75 Resp: 3789
Ion Ratio Lower Upper
75 100
77 40.4 22.0 40.8



#51
Chlorobenzene
Concen: 33.888 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX035161.D
Acq: 19 Apr 2023 12:01

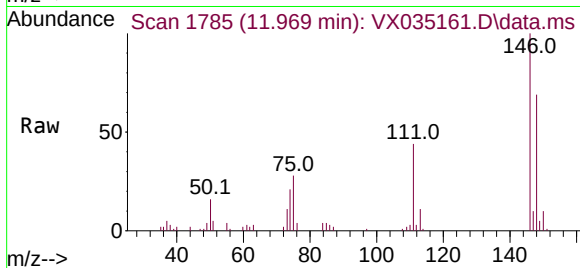
Tgt Ion: 112 Resp: 215573
Ion Ratio Lower Upper
112 100
114 31.9 22.4 41.6
77 56.9 47.0 70.6



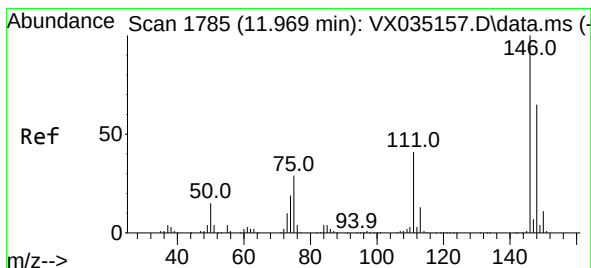
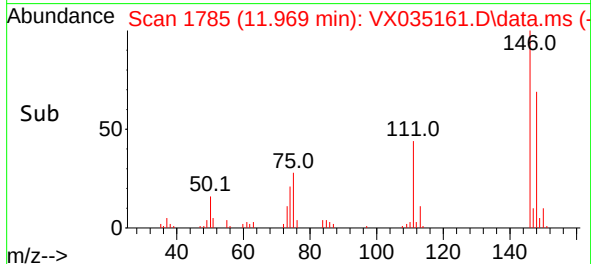
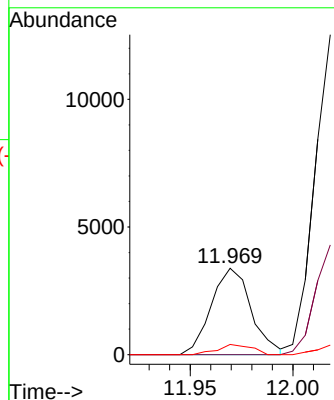


#61
1,2,3-Trichloropropane
Concen: 1.736 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.732 min
Lab File: VX035161.D
Acq: 19 Apr 2023 12:01

Instrument :
MSVOA_X
ClientSampleId :

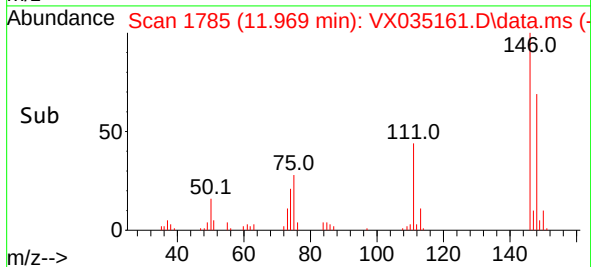
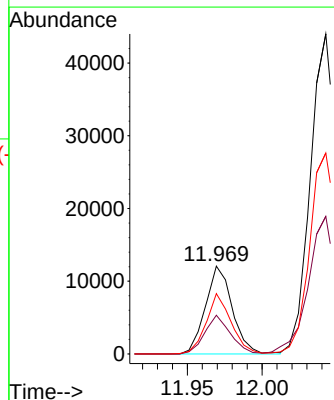
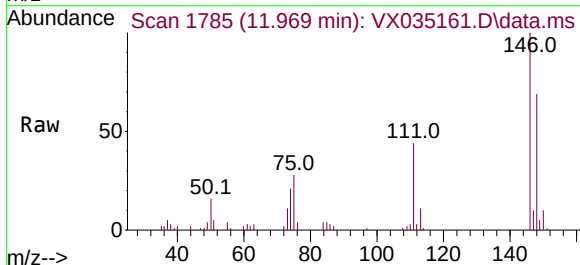


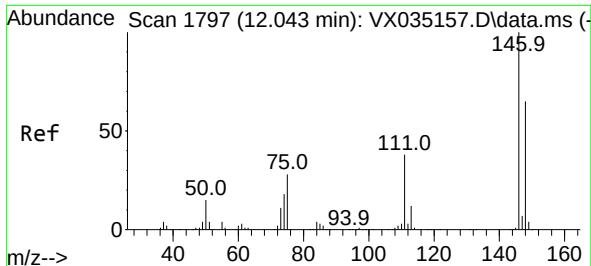
Tgt Ion: 75 Resp: 4576
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
110 10.1 32.5 48.7#



#64
1,3-Dichlorobenzene
Concen: 3.412 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX035161.D
Acq: 19 Apr 2023 12:01

Tgt Ion:146 Resp: 15108
Ion Ratio Lower Upper
146 100
111 44.2 28.9 53.7
148 68.7 44.3 82.3

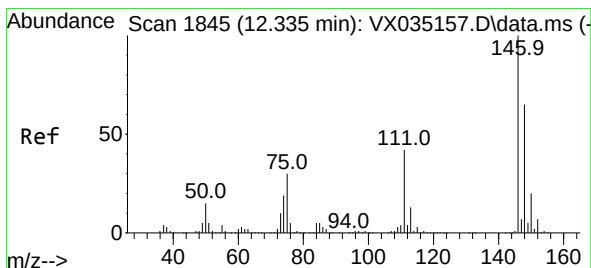
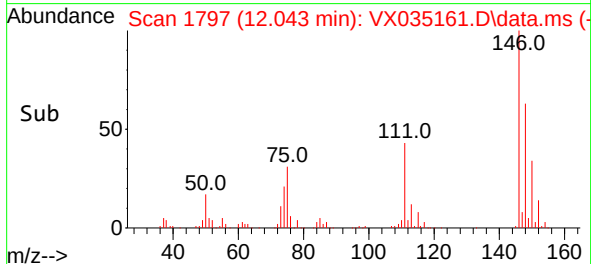
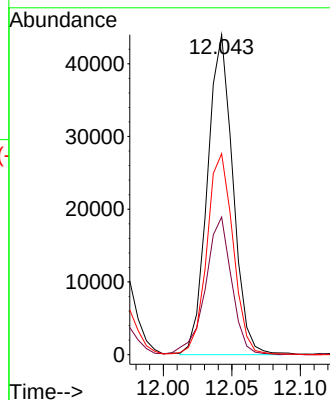
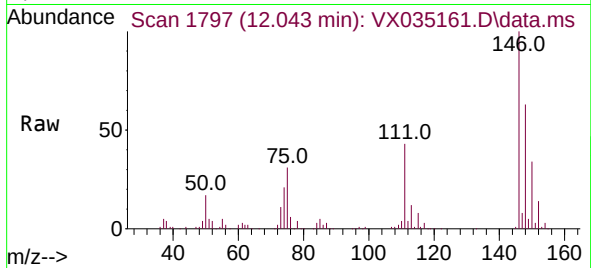




#65
 1,4-Dichlorobenzene
 Concen: 12.592 ug/L
 RT: 12.043 min Scan# 1797
 Delta R.T. -0.000 min
 Lab File: VX035161.D
 Acq: 19 Apr 2023 12:01

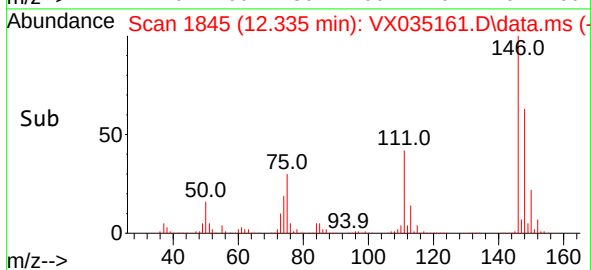
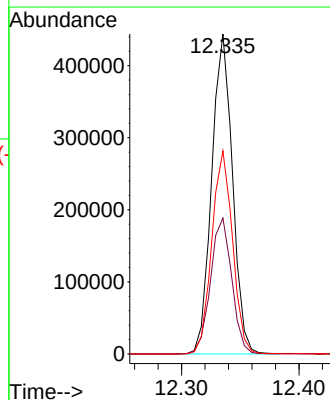
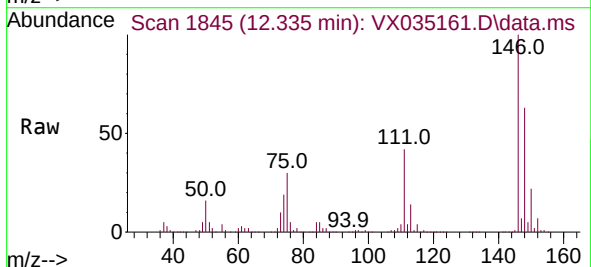
Instrument :
 MSVOA_X
 ClientSampleId :

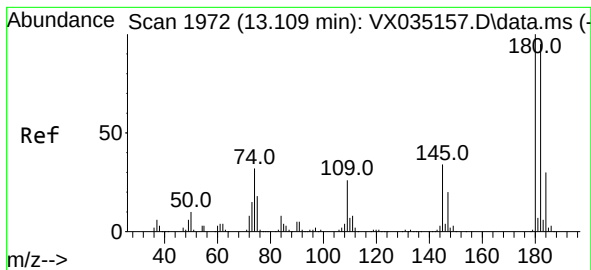
Tgt Ion:146 Resp: 57048
 Ion Ratio Lower Upper
 146 100
 111 43.0 27.9 51.7
 148 62.8 45.9 85.3



#67
 1,2-Dichlorobenzene
 Concen: 121.406 ug/L
 RT: 12.335 min Scan# 1845
 Delta R.T. -0.000 min
 Lab File: VX035161.D
 Acq: 19 Apr 2023 12:01

Tgt Ion:146 Resp: 545027
 Ion Ratio Lower Upper
 146 100
 111 42.4 34.7 52.1
 148 63.4 52.1 78.1





#69

1,3,5-Trichlorobenzene

Concen: 21.951 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.482 min

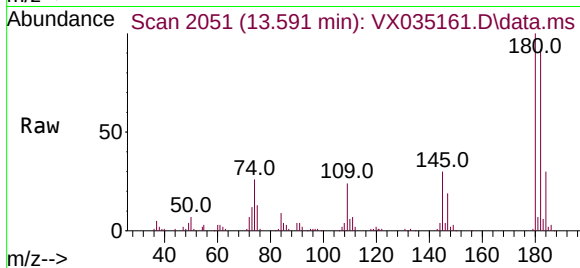
Lab File: VX035161.D

Acq: 19 Apr 2023 12:01

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:180 Resp: 60082

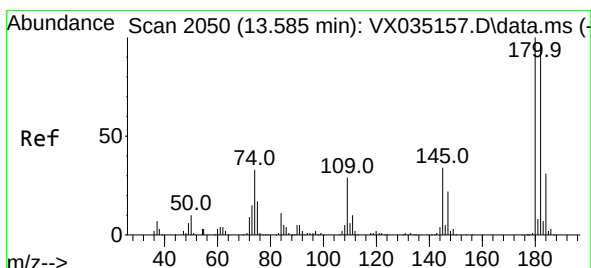
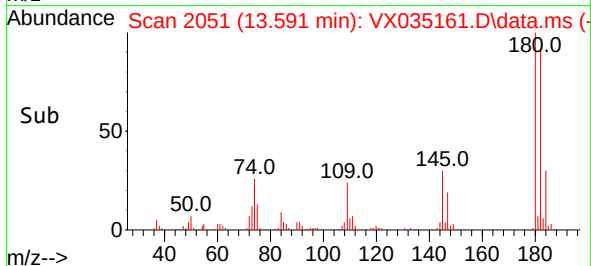
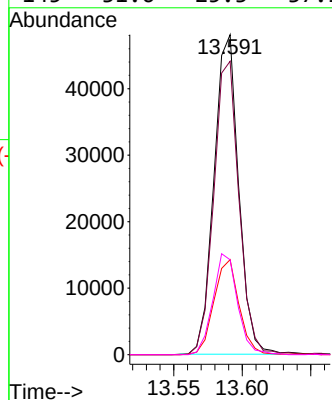
Ion Ratio Lower Upper

180 100

182 94.2 75.4 113.0

184 30.4 23.8 35.8

145 31.6 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 23.442 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035161.D

Acq: 19 Apr 2023 12:01

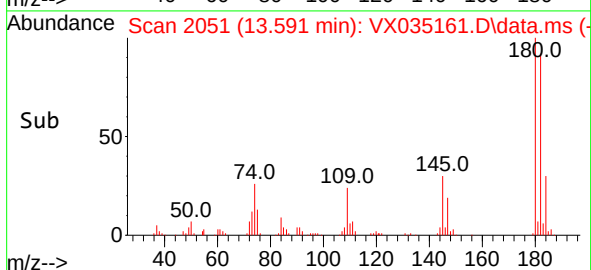
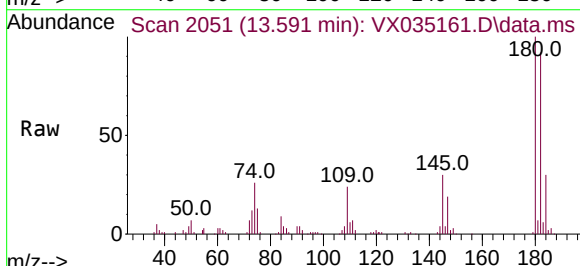
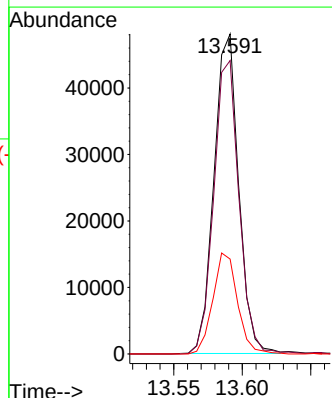
Tgt Ion:180 Resp: 60082

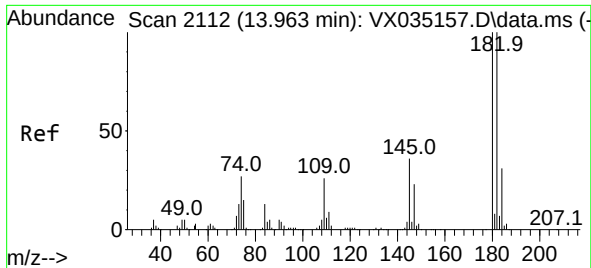
Ion Ratio Lower Upper

180 100

182 94.2 76.6 114.8

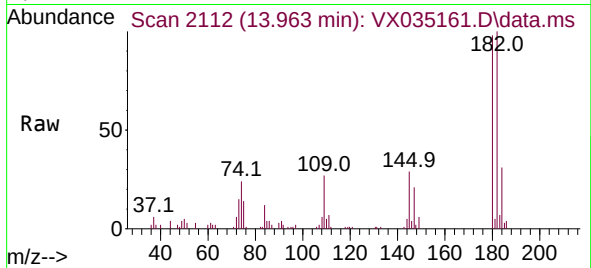
145 31.6 26.2 39.4





#72
 1,2,3-Trichlorobenzene
 Concen: 4.255 ug/L
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX035161.D
 Acq: 19 Apr 2023 12:01

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	10766
Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.0	112.6
145	31.4	27.1	40.7

