

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041923\
 Data File : VX035169.D
 Acq On : 19 Apr 2023 15:06
 Operator : JC/MD
 Sample : 02397-05DL 400X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 02:56:15 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)

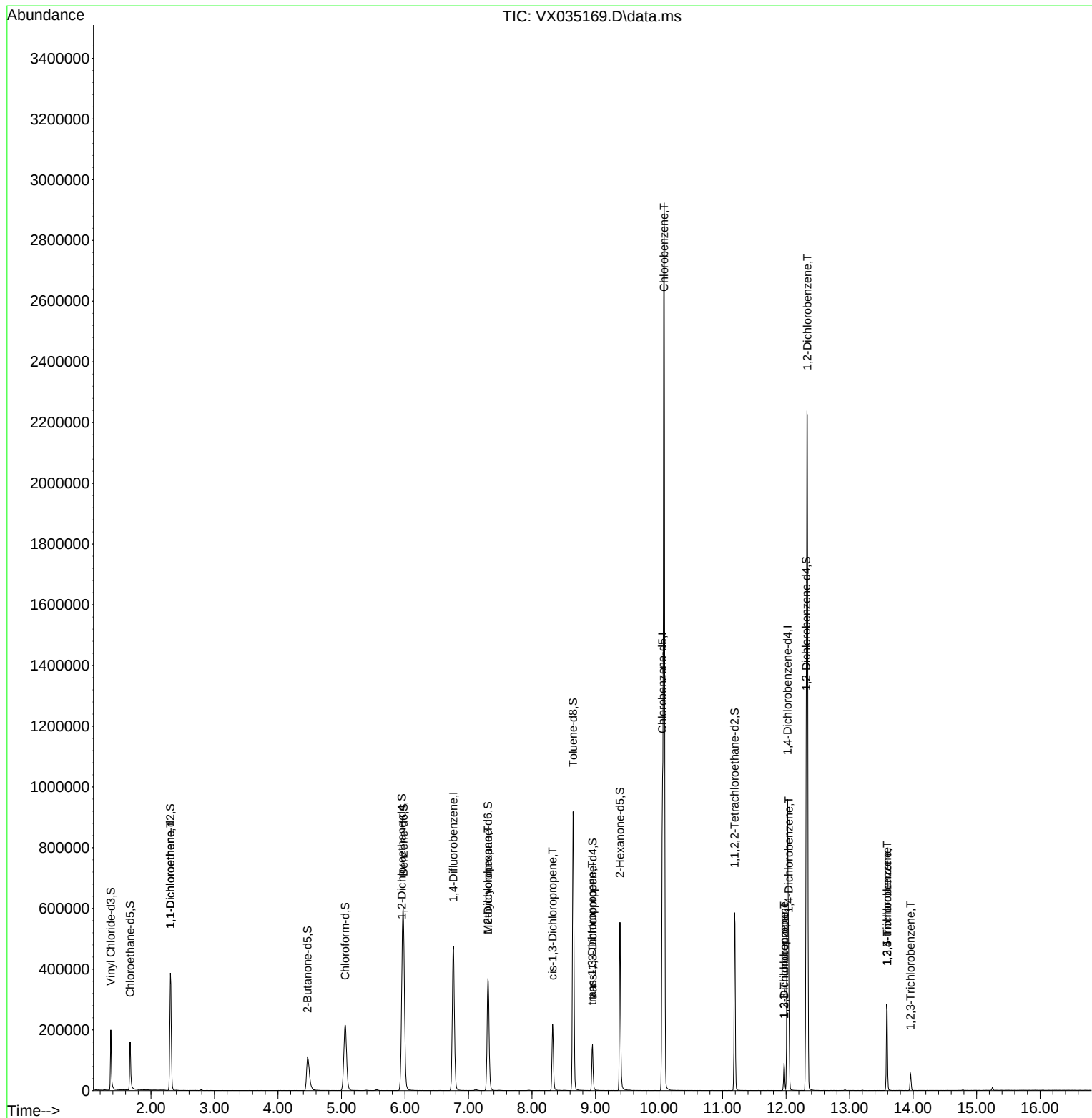
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	488333	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	419167	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	196223	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	136198	43.254	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.500%
7) Chloroethane-d5	1.672	69	111366	48.946	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.900%
11) 1,1-Dichloroethene-d2	2.306	65	69535	46.153	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.300%
21) 2-Butanone-d5	4.465	46	221701	105.656	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.660%
24) Chloroform-d	5.056	84	281029	47.393	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.780%
26) 1,2-Dichloroethane-d4	5.952	65	191426	50.271	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.540%
32) Benzene-d6	5.976	84	611739	50.805	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.600%
36) 1,2-Dichloropropane-d6	7.305	67	189096	51.411	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.820%
41) Toluene-d8	8.647	98	549390	49.923	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.840%
43) trans-1,3-Dichloroprop...	8.951	79	71709	44.612	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.220%
47) 2-Hexanone-d5	9.384	63	157219	106.443	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.440%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	228475	50.722	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.440%
66) 1,2-Dichlorobenzene-d4	12.317	152	198575	52.221	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.440%
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.306	96	1804	0.618	ug/L #	1
35) Methylcyclohexane	7.305	83	45910	10.096	ug/L #	18
39) cis-1,3-Dichloropropene	8.324	75	4717	0.944	ug/L #	68
44) trans-1,3-Dichloropropene	8.945	75	3141	0.698	ug/L	98
51) Chlorobenzene	10.079	112	1265094	145.805	ug/L	99
61) 1,2,3-Trichloropropane	11.969	75	8850	2.443	ug/L #	49
64) 1,3-Dichlorobenzene	11.969	146	28394	4.666	ug/L	98
65) 1,4-Dichlorobenzene	12.042	146	129013	20.719	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	652300	105.718	ug/L	98
69) 1,3,5-Trichlorobenzene	13.591	180	67487	17.939	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	67487	19.158	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	12099	3.479	ug/L	93

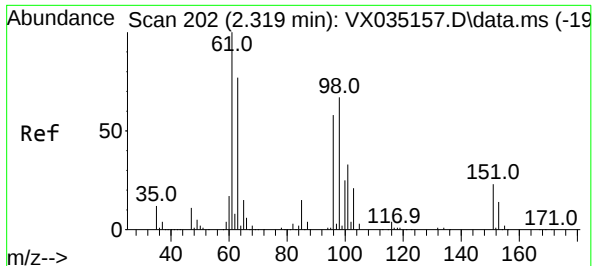
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.618 ug/L

RT: 2.306 min Scan# 20

Delta R.T. -0.012 min

Lab File: VX035169.D

Acq: 19 Apr 2023 15:06

Instrument :

MSVOA_X

ClientSampleId :

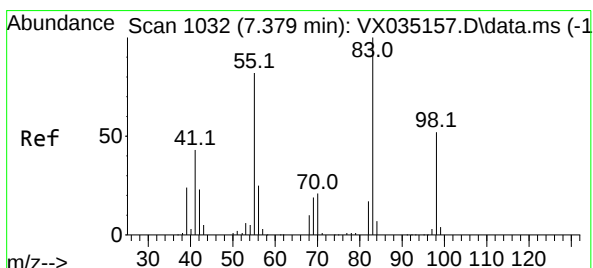
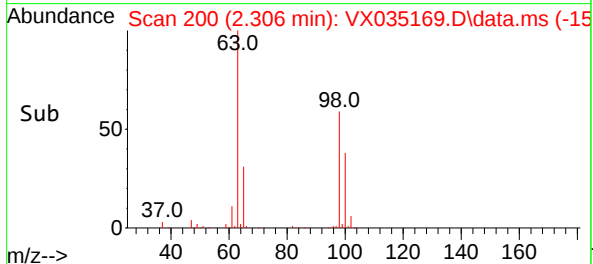
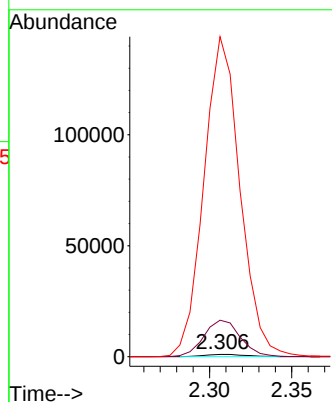
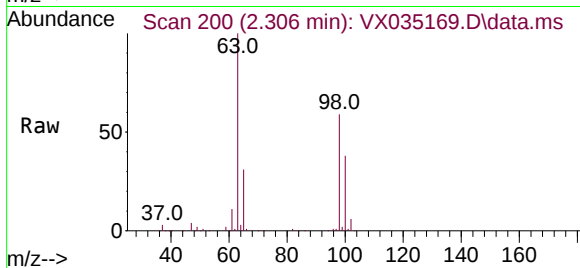
Tgt Ion: 96 Resp: 1804

Ion Ratio Lower Upper

96 100

61 1590.0 119.0 221.0#

63 13918.1 91.0 169.0#



#35

Methylcyclohexane

Concen: 10.096 ug/L

RT: 7.305 min Scan# 1020

Delta R.T. -0.073 min

Lab File: VX035169.D

Acq: 19 Apr 2023 15:06

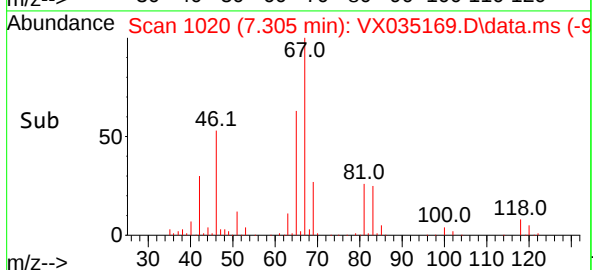
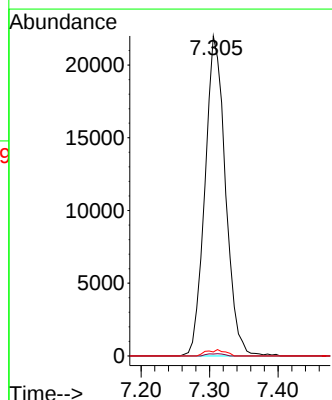
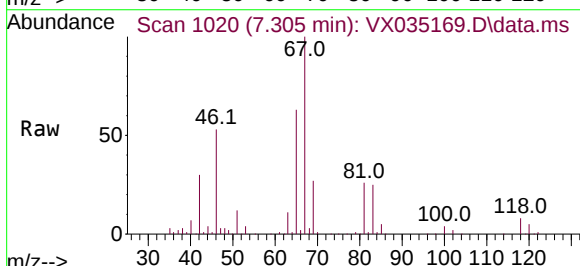
Tgt Ion: 83 Resp: 45910

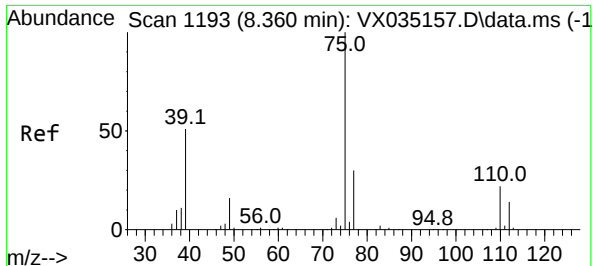
Ion Ratio Lower Upper

83 100

55 0.6 62.2 93.2#

98 0.9 39.3 58.9#





#39

cis-1,3-Dichloropropene

Concen: 0.944 ug/L

RT: 8.324 min Scan# 1187

Delta R.T. -0.037 min

Lab File: VX035169.D

Acq: 19 Apr 2023 15:06

Instrument :

MSVOA_X

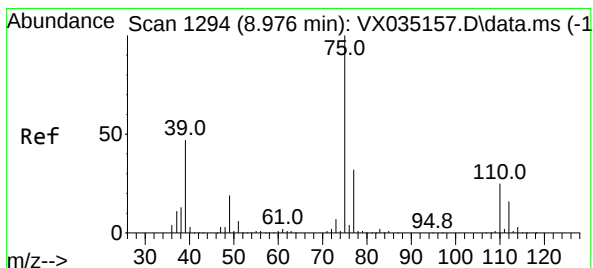
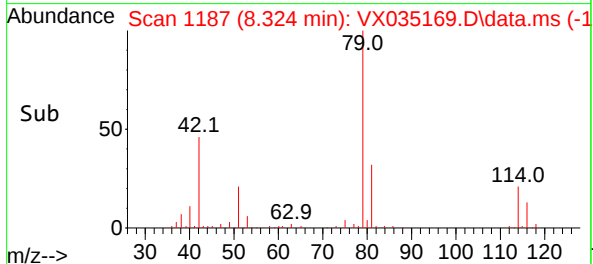
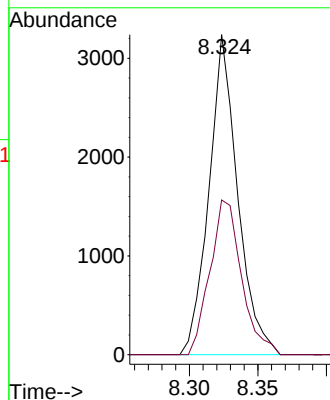
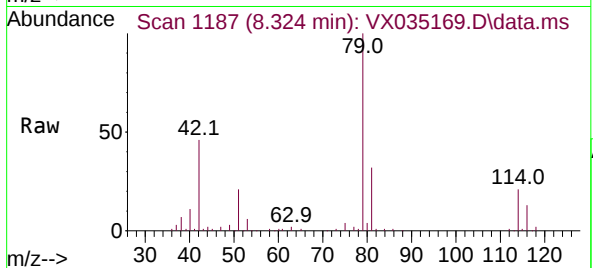
ClientSampleId :

Tgt Ion: 75 Resp: 4717

Ion Ratio Lower Upper

75 100

77 48.3 21.4 39.8#



#44

trans-1,3-Dichloropropene

Concen: 0.698 ug/L

RT: 8.945 min Scan# 1289

Delta R.T. -0.031 min

Lab File: VX035169.D

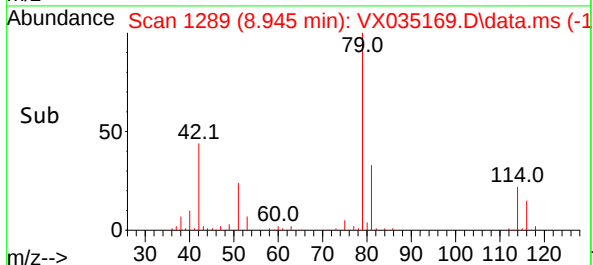
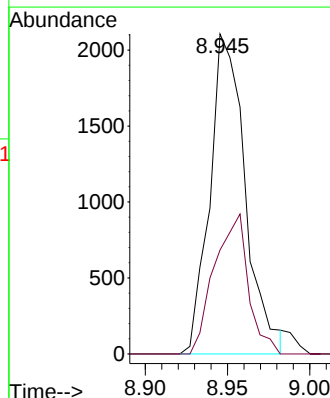
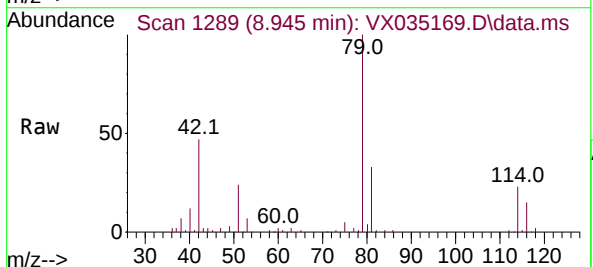
Acq: 19 Apr 2023 15:06

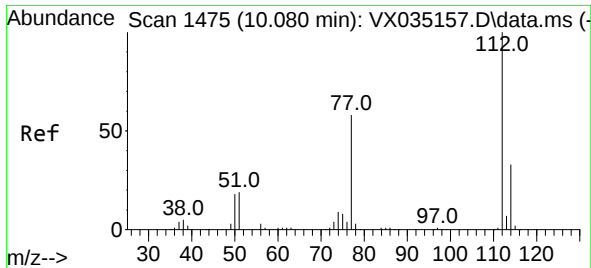
Tgt Ion: 75 Resp: 3141

Ion Ratio Lower Upper

75 100

77 32.5 22.0 40.8

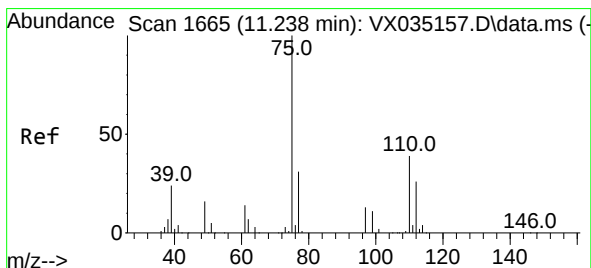
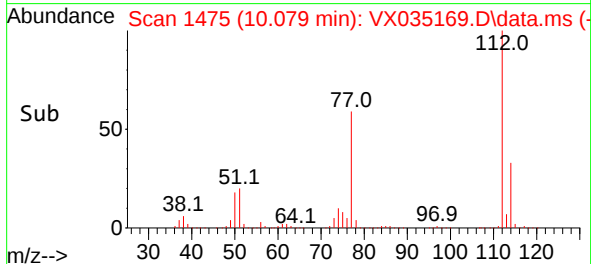
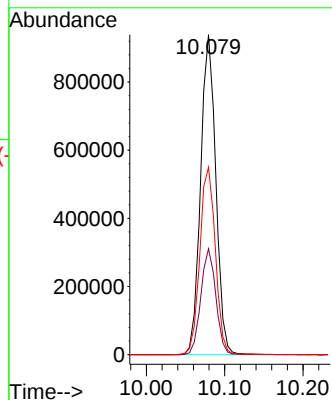
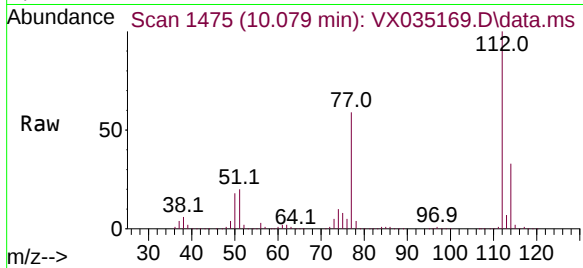




#51
Chlorobenzene
Concen: 145.805 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX035169.D
Acq: 19 Apr 2023 15:06

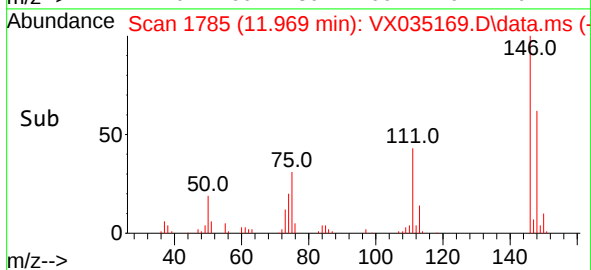
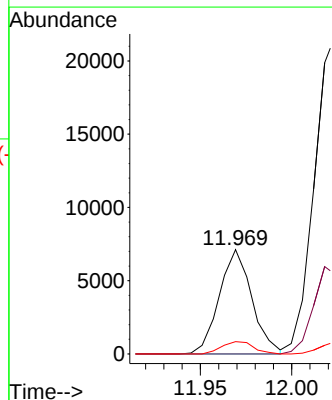
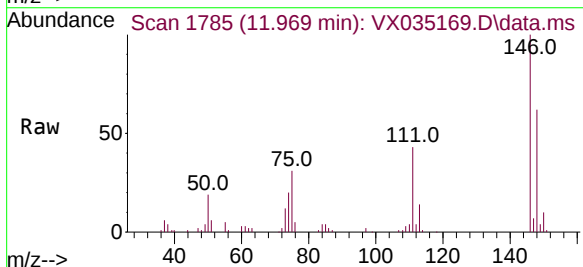
Instrument :
MSVOA_X
ClientSampleId :

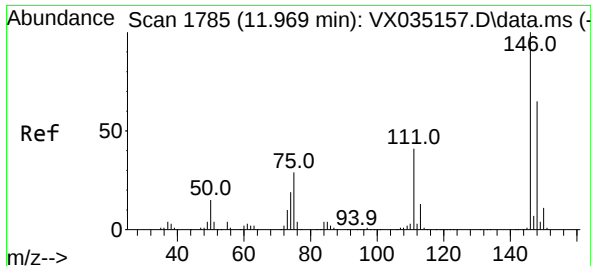
Tgt Ion:112 Resp: 1265094
Ion Ratio Lower Upper
112 100
114 33.1 22.4 41.6
77 58.6 47.0 70.6



#61
1,2,3-Trichloropropane
Concen: 2.443 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.731 min
Lab File: VX035169.D
Acq: 19 Apr 2023 15:06

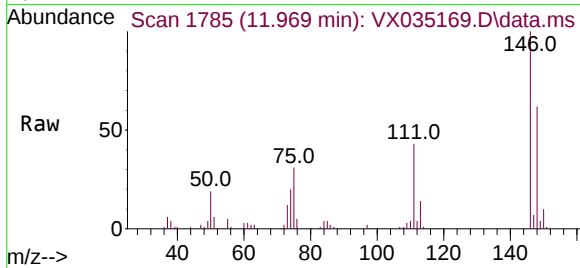
Tgt Ion: 75 Resp: 8850
Ion Ratio Lower Upper
75 100
77 0.0 25.6 38.4#
110 11.6 32.5 48.7#



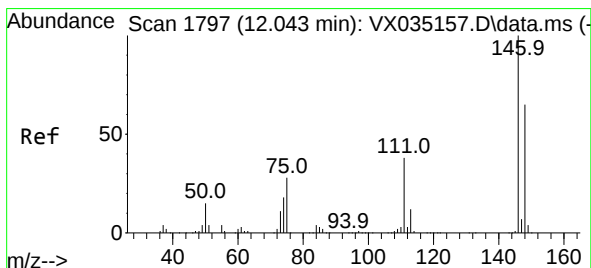
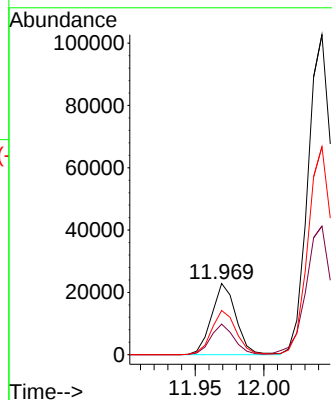
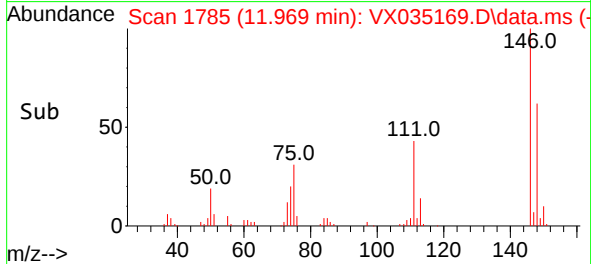


#64
1,3-Dichlorobenzene
Concen: 4.666 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. -0.000 min
Lab File: VX035169.D
Acq: 19 Apr 2023 15:06

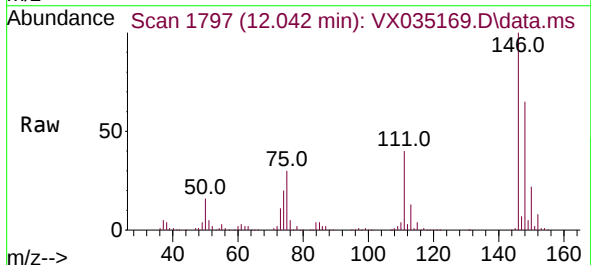
Instrument :
MSVOA_X
ClientSampleId :



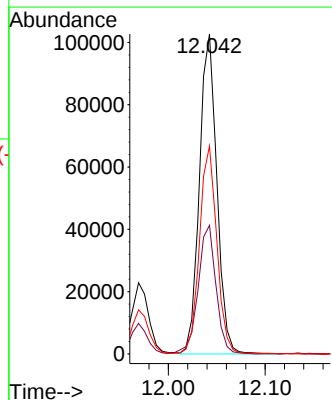
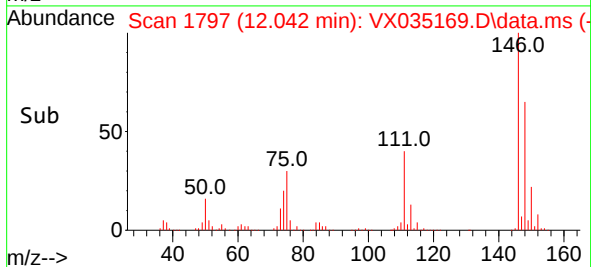
Tgt Ion:146 Resp: 28394
Ion Ratio Lower Upper
146 100
111 43.0 28.9 53.7
148 62.1 44.3 82.3

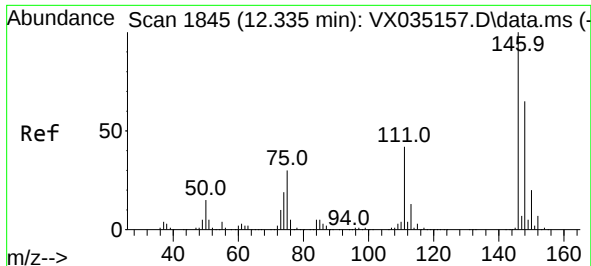


#65
1,4-Dichlorobenzene
Concen: 20.719 ug/L
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX035169.D
Acq: 19 Apr 2023 15:06



Tgt Ion:146 Resp: 129013
Ion Ratio Lower Upper
146 100
111 40.2 27.9 51.7
148 65.0 45.9 85.3





#67

1,2-Dichlorobenzene

Concen: 105.718 ug/L

RT: 12.335 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX035169.D

Acq: 19 Apr 2023 15:06

Instrument :

MSVOA_X

ClientSampleId :

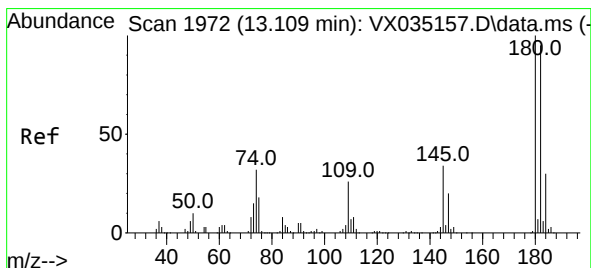
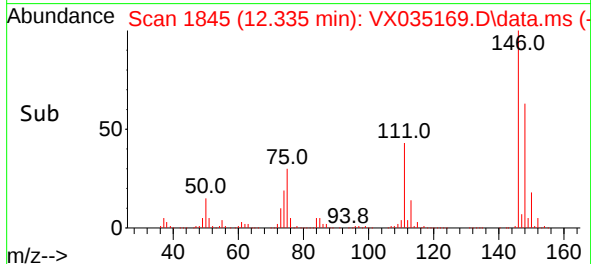
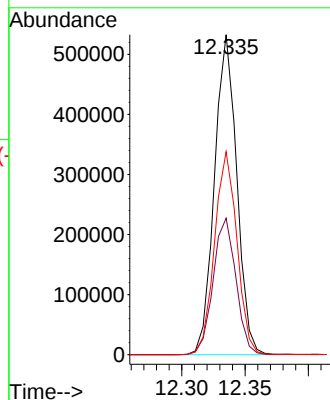
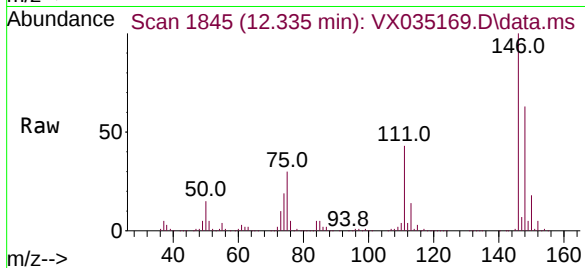
Tgt Ion:146 Resp: 652300

Ion Ratio Lower Upper

146 100

111 42.6 34.7 52.1

148 63.4 52.1 78.1



#69

1,3,5-Trichlorobenzene

Concen: 17.939 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.481 min

Lab File: VX035169.D

Acq: 19 Apr 2023 15:06

Tgt Ion:180 Resp: 67487

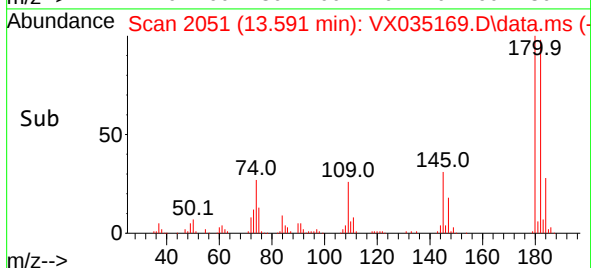
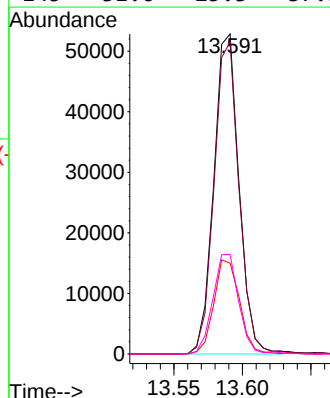
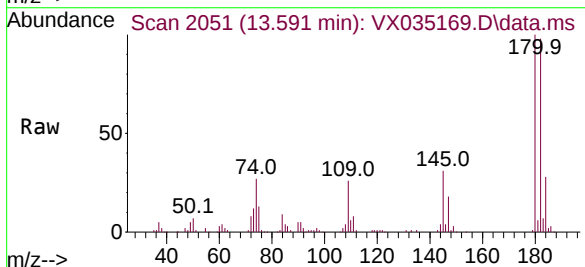
Ion Ratio Lower Upper

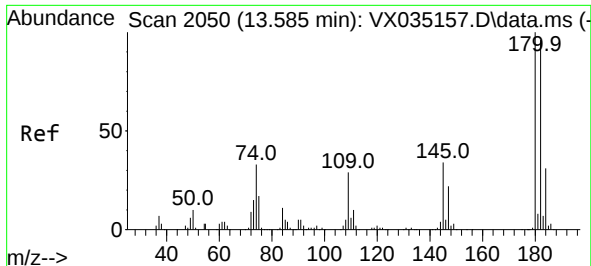
180 100

182 96.8 75.4 113.0

184 29.9 23.8 35.8

145 31.6 25.3 37.9





#70

1,2,4-trichlorobenzene

Concen: 19.158 ug/L

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

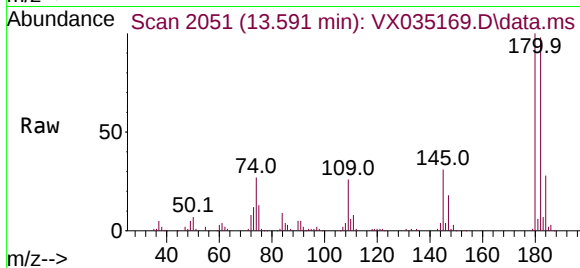
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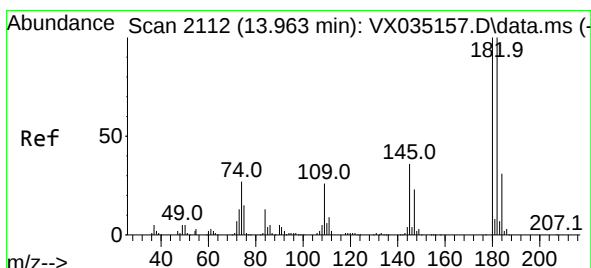
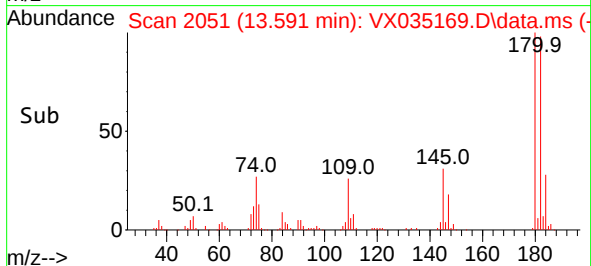
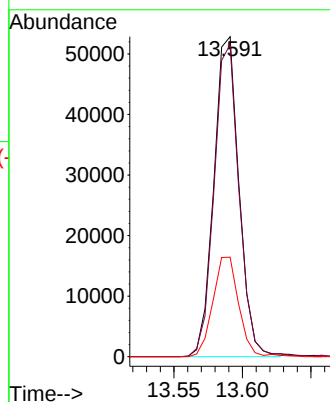
Tgt Ion:180 Resp: 67487

Ion Ratio Lower Upper

180 100

182 96.8 76.6 114.8

145 31.6 26.2 39.4



#72

1,2,3-Trichlorobenzene

Concen: 3.479 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX035169.D

Acq: 19 Apr 2023 15:06

Tgt Ion:180 Resp: 12099

Ion Ratio Lower Upper

180 100

182 100.5 75.0 112.6

145 38.0 27.1 40.7

