

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041923\
 Data File : VX035163.D
 Acq On : 19 Apr 2023 12:47
 Operator : JC/MD
 Sample : 02397-08DL 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 20 02:54:44 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)

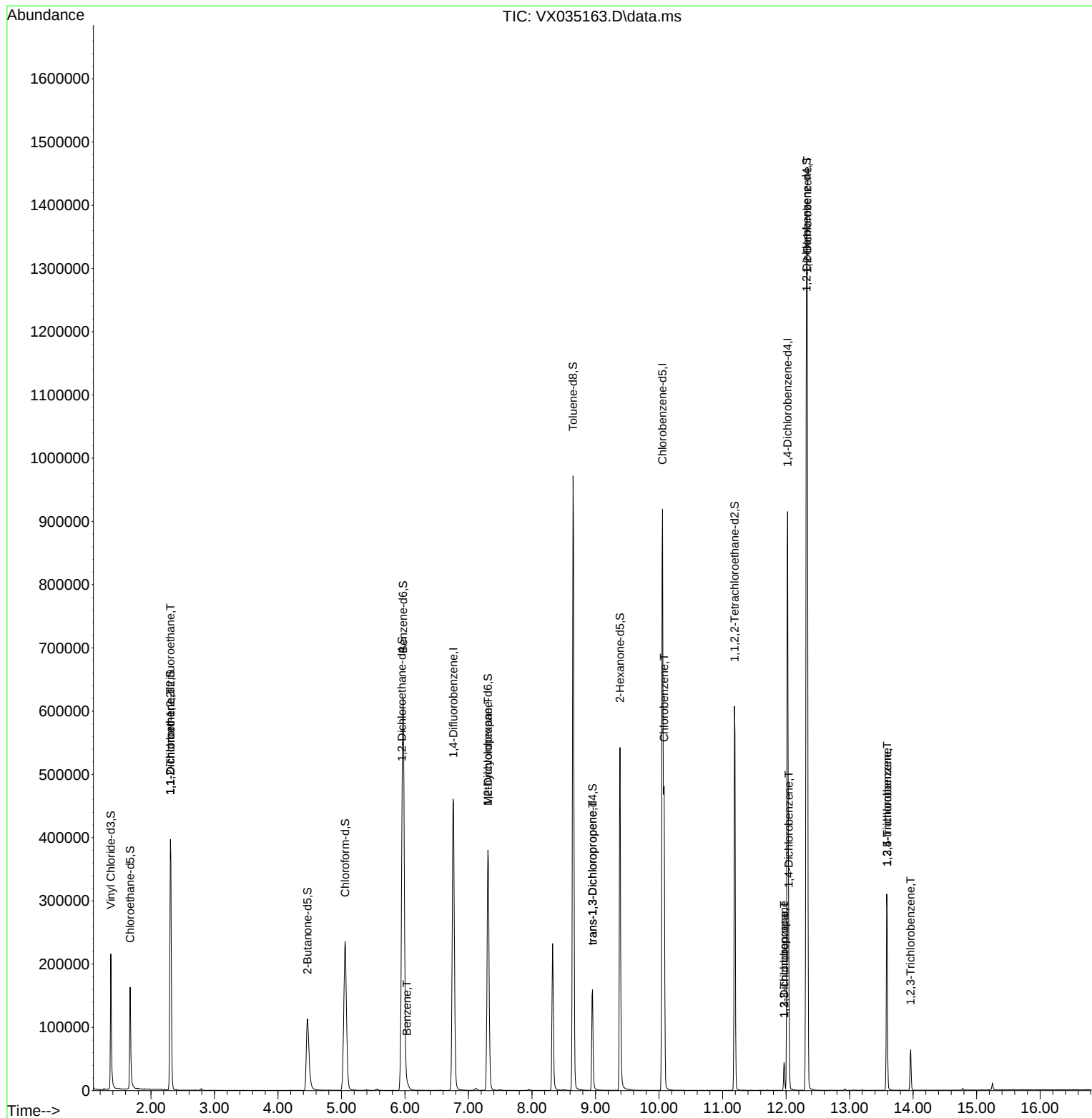
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	478651	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	414429	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	187897	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	145867	47.262	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.520%
7) Chloroethane-d5	1.672	69	114177	51.197	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.400%
11) 1,1-Dichloroethene-d2	2.306	65	72352	48.994	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.980%
21) 2-Butanone-d5	4.465	46	218181	106.081	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.080%
24) Chloroform-d	5.056	84	293185	50.443	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.880%
26) 1,2-Dichloroethane-d4	5.952	65	196629	52.681	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.360%
32) Benzene-d6	5.970	84	635733	53.401	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.800%
36) 1,2-Dichloropropane-d6	7.306	67	195290	53.702	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.400%
41) Toluene-d8	8.647	98	564338	51.868	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.740%
43) trans-1,3-Dichloroprop...	8.952	79	75493	47.503	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.000%
47) 2-Hexanone-d5	9.384	63	152919	104.715	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.710%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	233103	52.341	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.680%
66) 1,2-Dichlorobenzene-d4	12.323	152	202441	55.597	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	111.200%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.306	101	2374	0.757	ug/L #	19
12) 1,1-Dichloroethene	2.306	96	1742	0.609	ug/L #	1
33) Benzene	6.031	78	10460	0.833	ug/L	100
35) Methylcyclohexane	7.306	83	47506	10.566	ug/L #	19
44) trans-1,3-Dichloropropene	8.952	75	3166	0.711	ug/L	94
51) Chlorobenzene	10.079	112	205006	23.897	ug/L	99
61) 1,2,3-Trichloropropane	11.969	75	4648	1.340	ug/L #	46
64) 1,3-Dichlorobenzene	11.969	146	14977	2.570	ug/L	95
65) 1,4-Dichlorobenzene	12.043	146	67745	11.362	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	341053	57.724	ug/L	99
69) 1,3,5-Trichlorobenzene	13.591	180	74275	20.618	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	74275	22.020	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	15223	4.571	ug/L	99

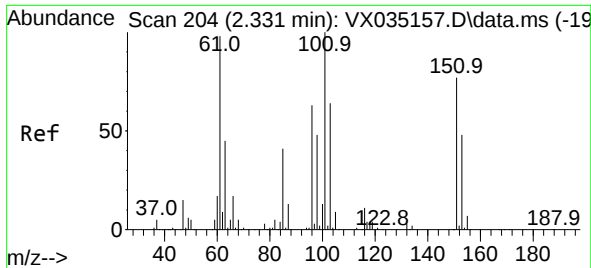
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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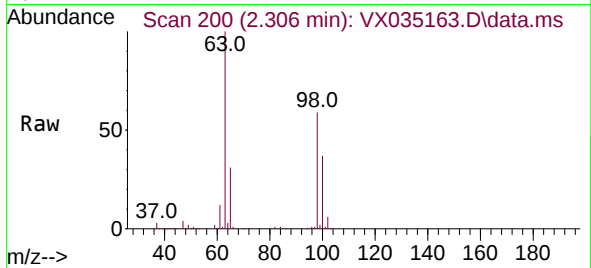
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041823WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 20 02:36:32 2023
Response via : Initial Calibration



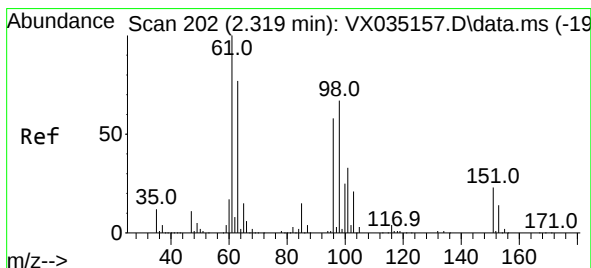
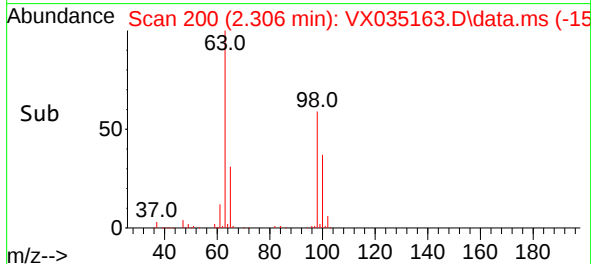
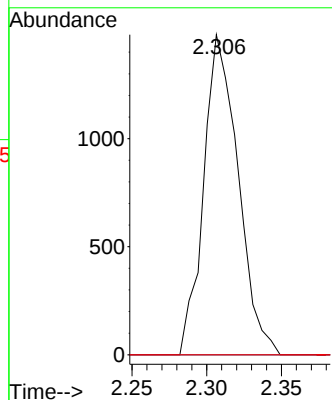


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.757 ug/L
 RT: 2.306 min Scan# 200
 Delta R.T. -0.024 min
 Lab File: VX035163.D
 Acq: 19 Apr 2023 12:47

Instrument :
 MSVOA_X
 ClientSampleId :

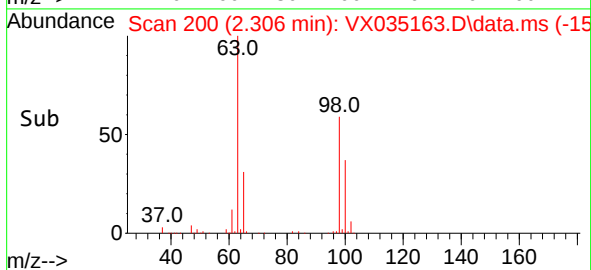
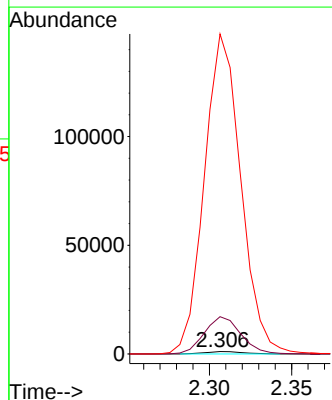
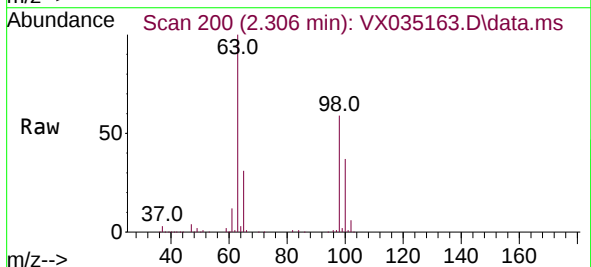


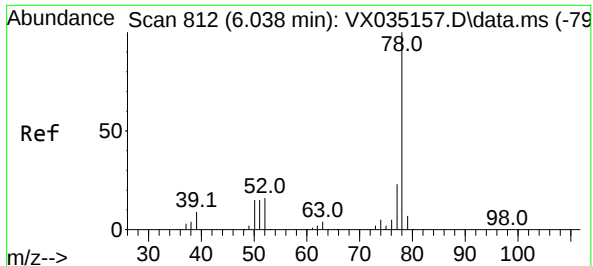
Tgt Ion:101 Resp: 2374
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.2 51.2#
 151 0.0 61.1 91.7#



#12
 1,1-Dichloroethene
 Concen: 0.609 ug/L
 RT: 2.306 min Scan# 200
 Delta R.T. -0.012 min
 Lab File: VX035163.D
 Acq: 19 Apr 2023 12:47

Tgt Ion: 96 Resp: 1742
 Ion Ratio Lower Upper
 96 100
 61 1555.0 119.0 221.0#
 63 13369.7 91.0 169.0#

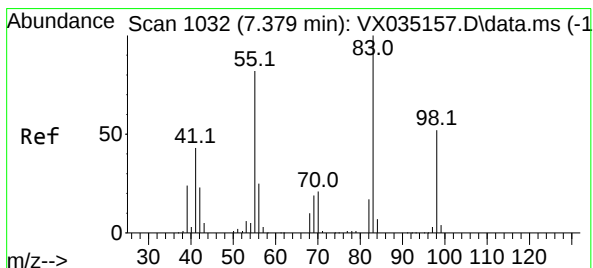
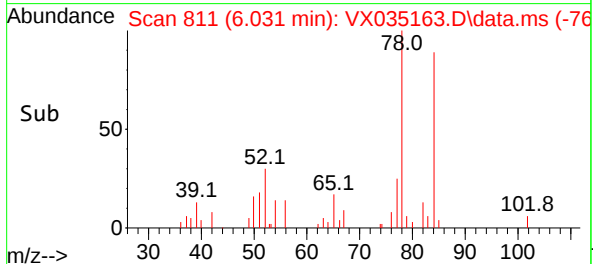
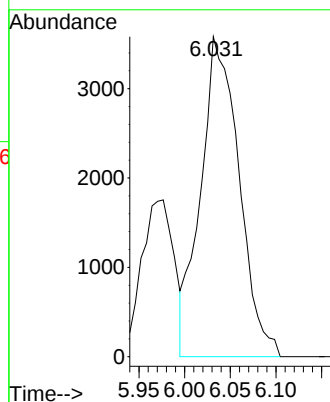
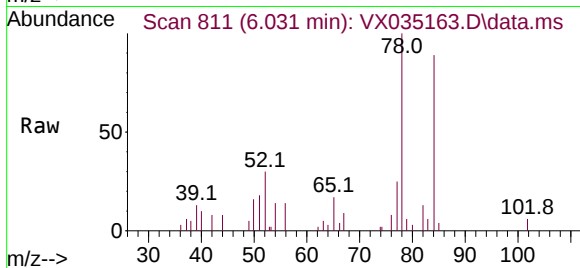




#33
Benzene
Concen: 0.833 ug/L
RT: 6.031 min Scan# 81
Delta R.T. -0.006 min
Lab File: VX035163.D
Acq: 19 Apr 2023 12:47

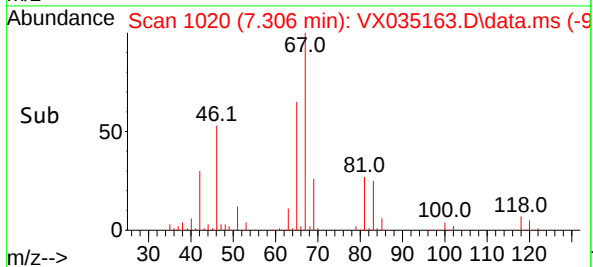
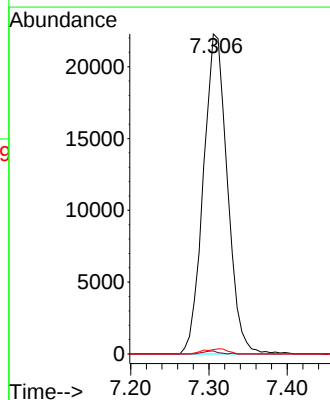
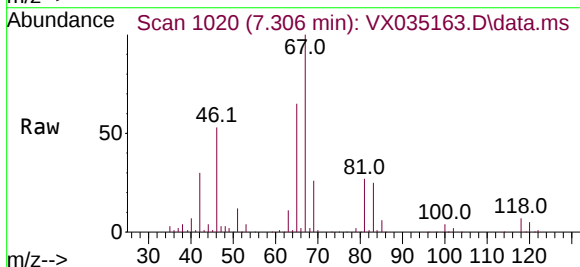
Instrument :
MSVOA_X
ClientSampleId :

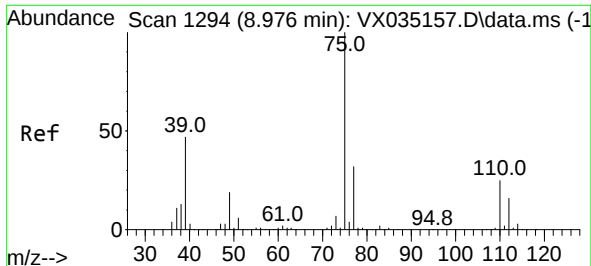
Tgt Ion: 78 Resp: 10460



#35
Methylcyclohexane
Concen: 10.566 ug/L
RT: 7.306 min Scan# 1020
Delta R.T. -0.073 min
Lab File: VX035163.D
Acq: 19 Apr 2023 12:47

Tgt Ion: 83 Resp: 47506
Ion Ratio Lower Upper
83 100
55 0.6 62.2 93.2#
98 1.6 39.3 58.9#

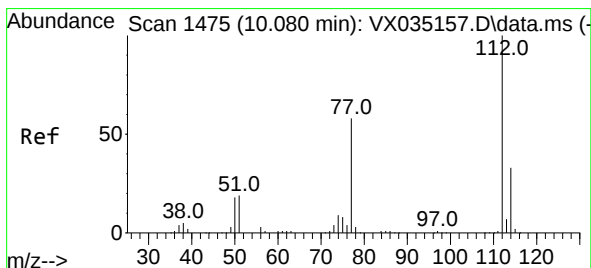
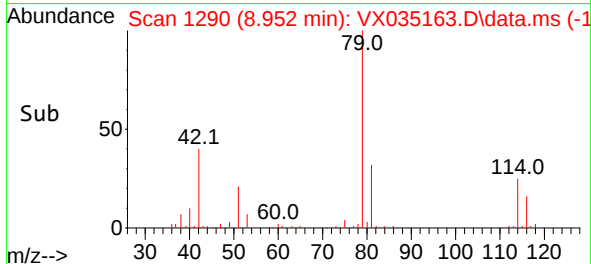
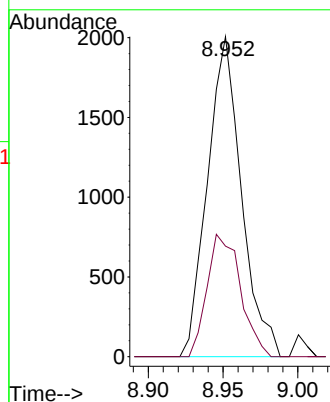
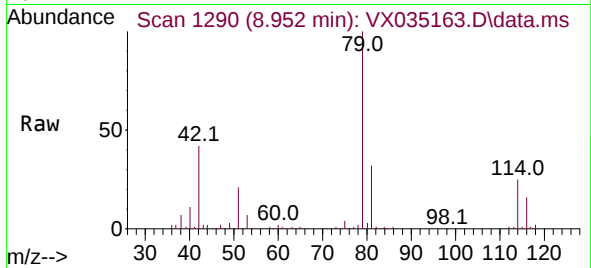




#44
trans-1,3-Dichloropropene
Concen: 0.711 ug/L
RT: 8.952 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX035163.D
Acq: 19 Apr 2023 12:47

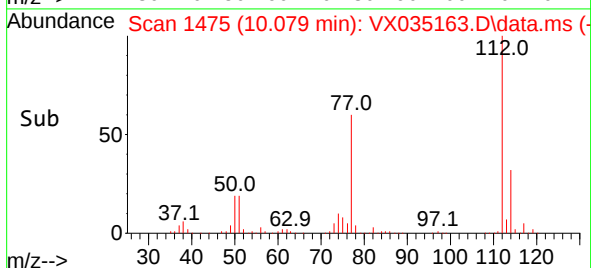
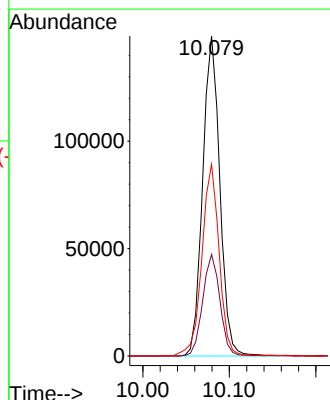
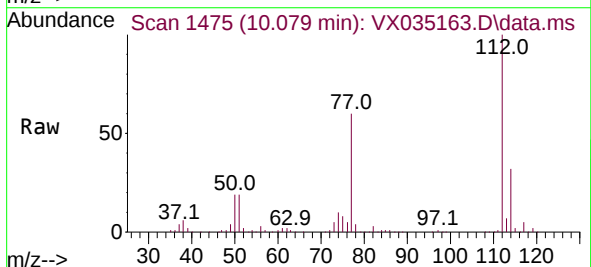
Instrument :
MSVOA_X
ClientSampleId :

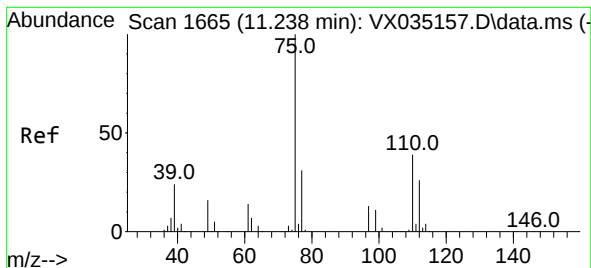
Tgt Ion: 75 Resp: 3166
Ion Ratio Lower Upper
75 100
77 34.5 22.0 40.8



#51
Chlorobenzene
Concen: 23.897 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX035163.D
Acq: 19 Apr 2023 12:47

Tgt Ion: 112 Resp: 205006
Ion Ratio Lower Upper
112 100
114 31.7 22.4 41.6
77 59.9 47.0 70.6





#61

1,2,3-Trichloropropane

Concen: 1.340 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.731 min

Lab File: VX035163.D

Acq: 19 Apr 2023 12:47

Instrument :

MSVOA_X

ClientSampleId :

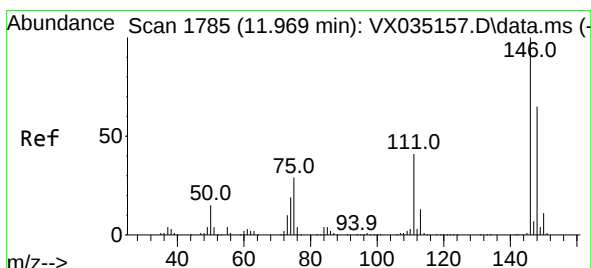
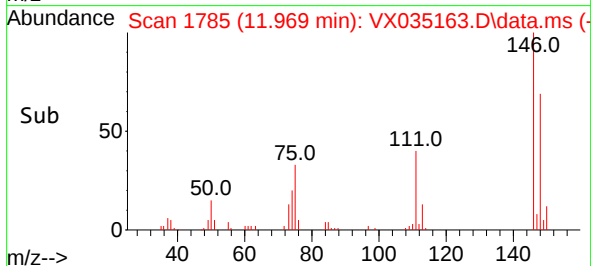
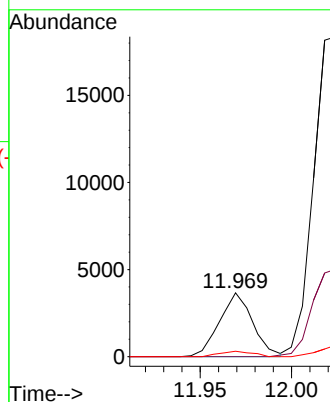
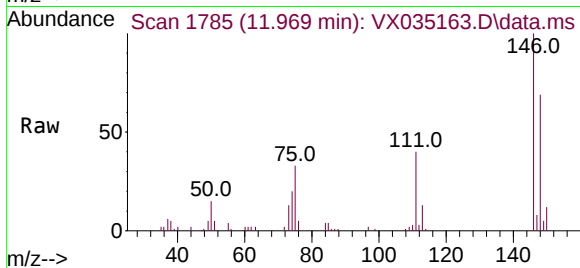
Tgt Ion: 75 Resp: 4648

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

110 8.3 32.5 48.7#



#64

1,3-Dichlorobenzene

Concen: 2.570 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX035163.D

Acq: 19 Apr 2023 12:47

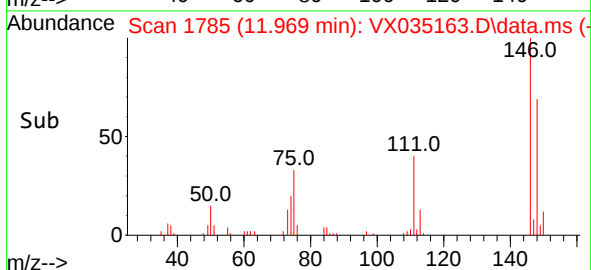
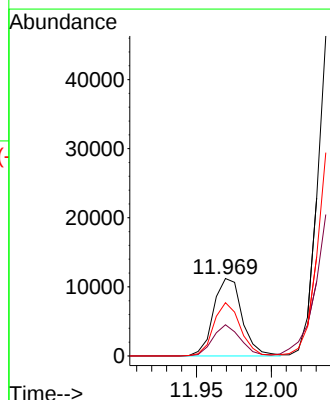
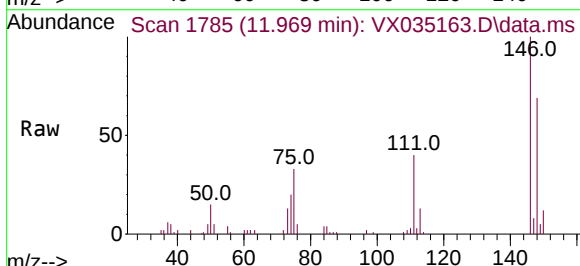
Tgt Ion:146 Resp: 14977

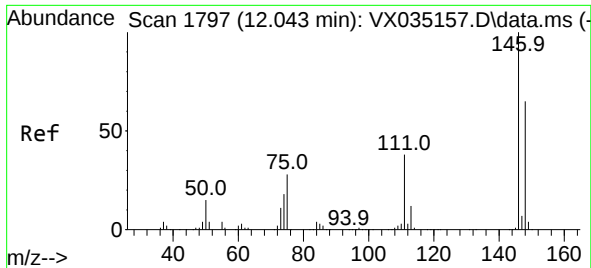
Ion Ratio Lower Upper

146 100

111 40.4 28.9 53.7

148 68.7 44.3 82.3

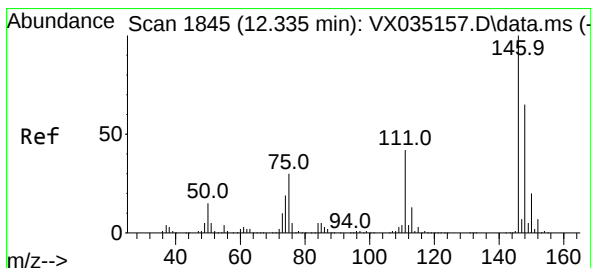
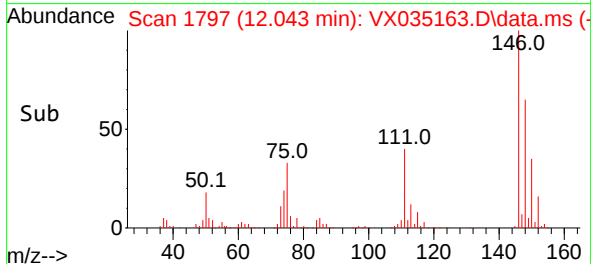
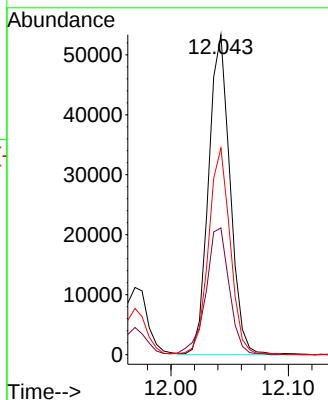
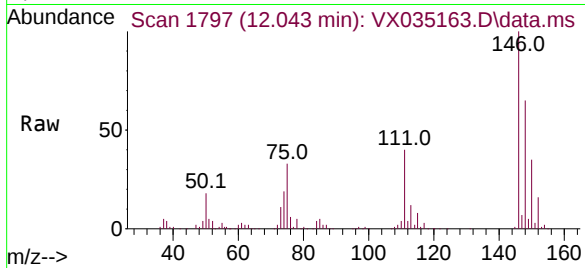




#65
1,4-Dichlorobenzene
Concen: 11.362 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX035163.D
Acq: 19 Apr 2023 12:47

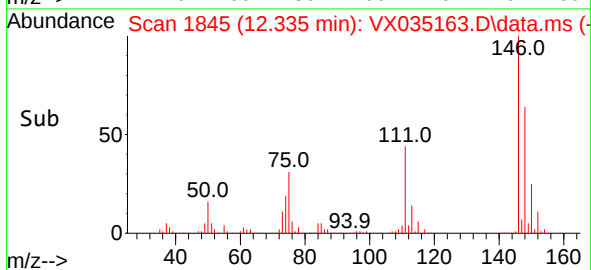
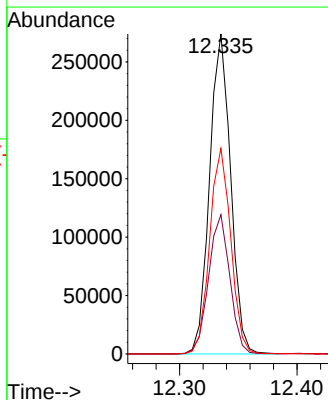
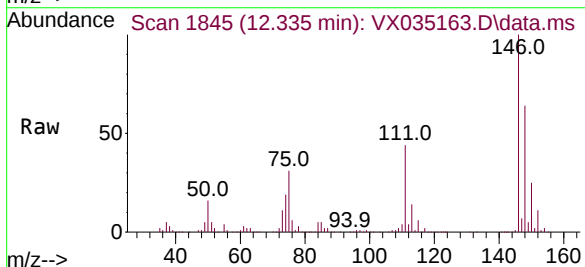
Instrument :
MSVOA_X
ClientSampleId :

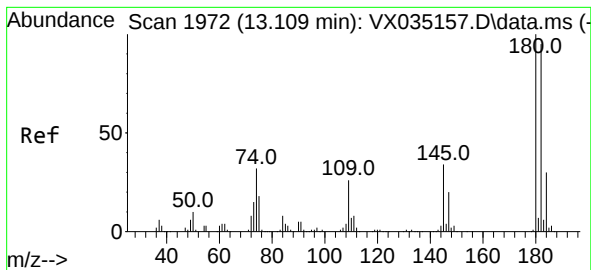
Tgt Ion:146 Resp: 67745
Ion Ratio Lower Upper
146 100
111 39.6 27.9 51.7
148 64.6 45.9 85.3



#67
1,2-Dichlorobenzene
Concen: 57.724 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX035163.D
Acq: 19 Apr 2023 12:47

Tgt Ion:146 Resp: 341053
Ion Ratio Lower Upper
146 100
111 43.6 34.7 52.1
148 64.2 52.1 78.1





#69

1,3,5-Trichlorobenzene

Concen: 20.618 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.482 min

Lab File: VX035163.D

Acq: 19 Apr 2023 12:47

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:180 Resp: 74275

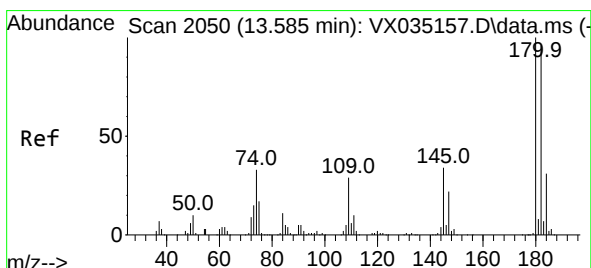
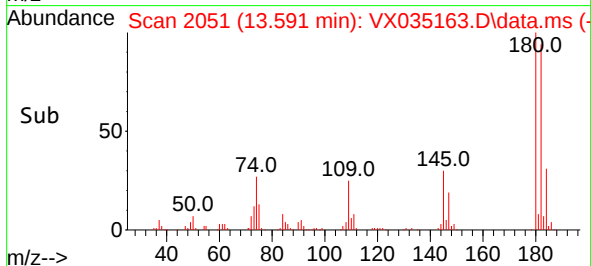
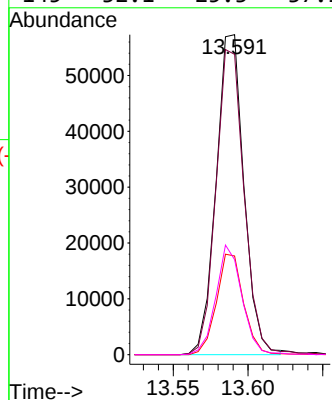
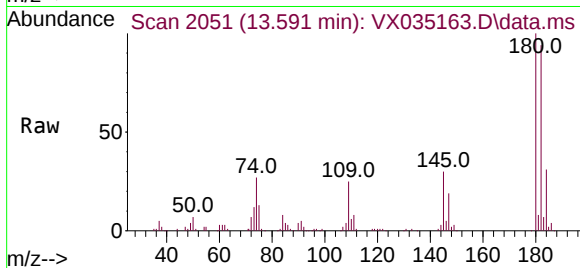
Ion Ratio Lower Upper

180 100

182 96.7 75.4 113.0

184 30.7 23.8 35.8

145 32.1 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 22.020 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX035163.D

Acq: 19 Apr 2023 12:47

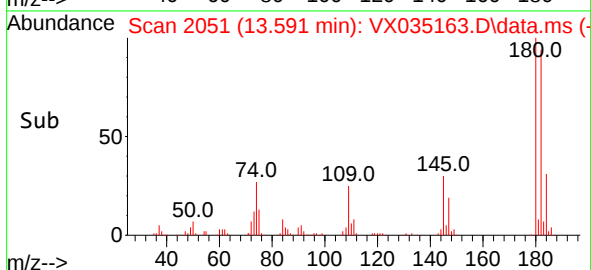
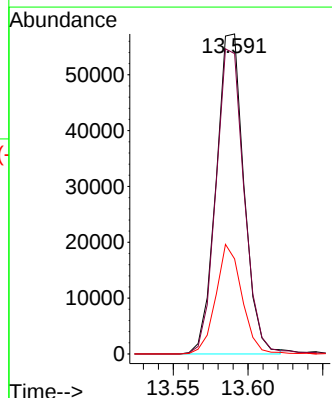
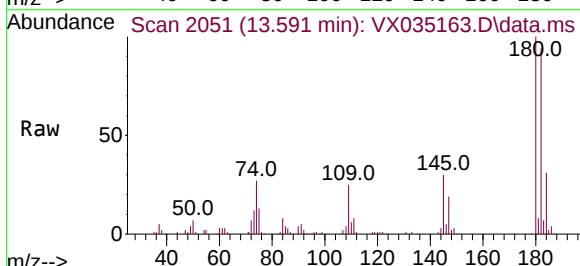
Tgt Ion:180 Resp: 74275

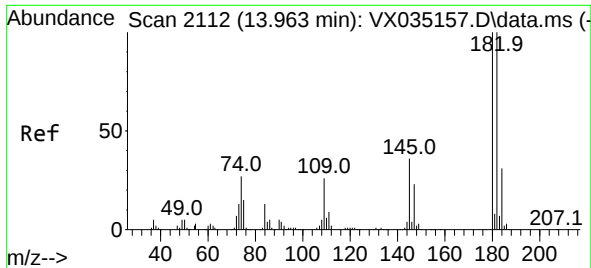
Ion Ratio Lower Upper

180 100

182 96.7 76.6 114.8

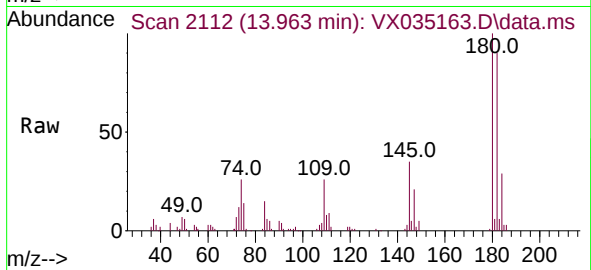
145 32.1 26.2 39.4





#72
 1,2,3-Trichlorobenzene
 Concen: 4.571 ug/L
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX035163.D
 Acq: 19 Apr 2023 12:47

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 15223
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.0 112.6
 145 35.5 27.1 40.7

