

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070224\
 Data File : VU059740.D
 Acq On : 02 Jul 2024 15:29
 Operator : MD/SY
 Sample : P3108-01DL 5X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 01:55:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 01:39:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

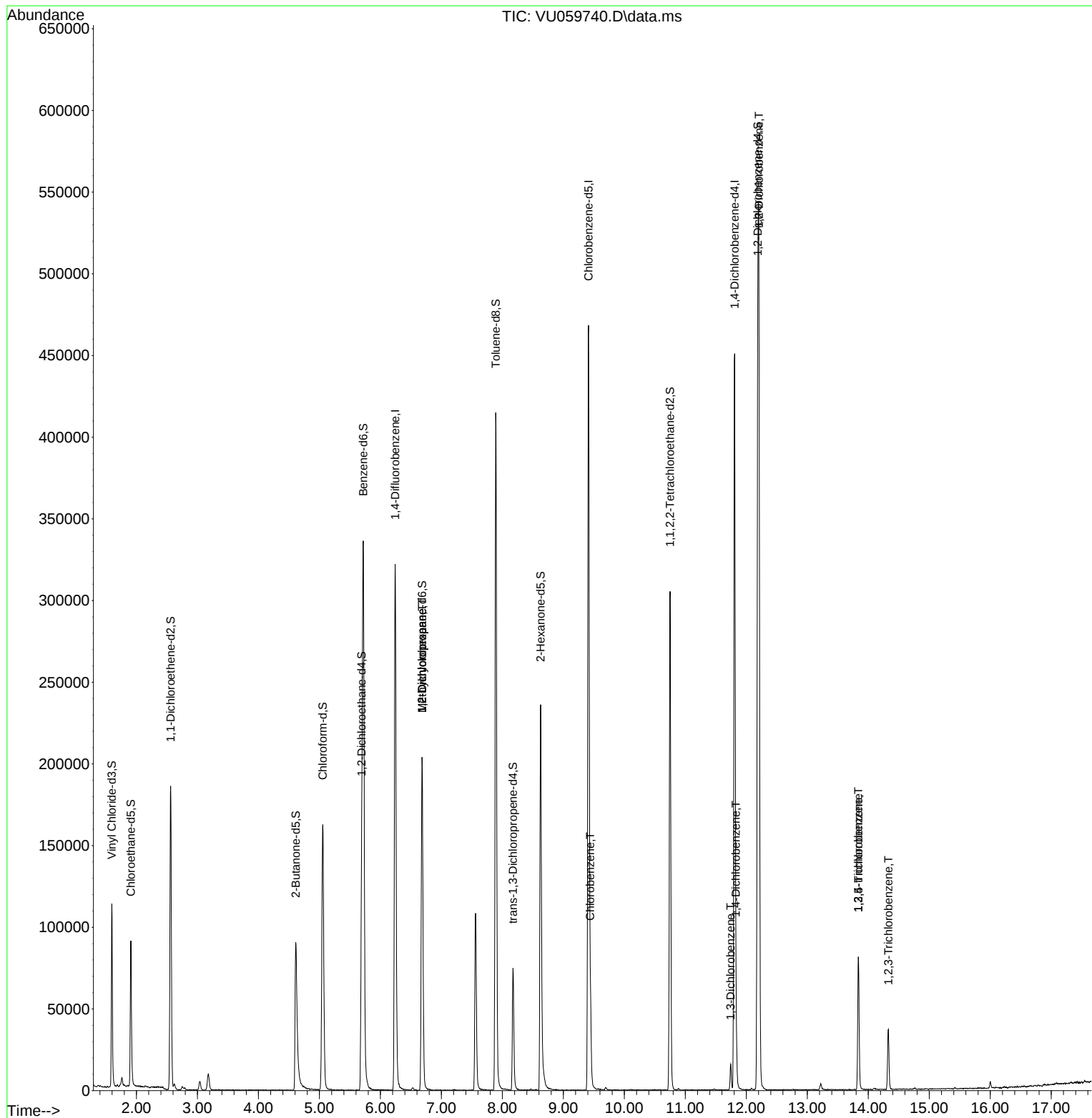
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	276848	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	276540	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	127136	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	84588	47.587	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.180%		
7) Chloroethane-d5	1.908	69	71916	48.100	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.200%		
11) 1,1-Dichloroethene-d2	2.560	63	109922	34.808	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.620%		
21) 2-Butanone-d5	4.612	46	123742	100.169	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.170%		
24) Chloroform-d	5.055	84	156774	45.544	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.080%		
26) 1,2-Dichloroethane-d4	5.692	65	98334	48.044	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.080%		
32) Benzene-d6	5.718	84	326073	46.047	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.100%		
36) 1,2-Dichloropropane-d6	6.682	67	104421	47.644	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.280%		
41) Toluene-d8	7.891	98	291688	43.314	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.620%		
43) trans-1,3-Dichloroprop...	8.174	79	45010	43.888	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.780%		
47) 2-Hexanone-d5	8.624	63	86374	93.513	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	93.510%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	160222	47.629	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.260%		
66) 1,2-Dichlorobenzene-d4	12.187	152	113887	48.748	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.500%		
Target Compounds						Qvalue
35) Methylcyclohexane	6.682	83	24396	8.864	ug/L #	21
37) 1,2-Dichloropropane	6.682	63	10919	5.312	ug/L #	88
51) Chlorobenzene	9.441	112	32021	5.916	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	7179	1.868	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	13971	3.516	ug/L	96
67) 1,2-Dichlorobenzene	12.206	146	179959	46.350	ug/L	98
69) 1,3,5-Trichlorobenzene	13.836	180	28027	10.114	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	28027	11.222	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	13081	5.220	ug/L	97

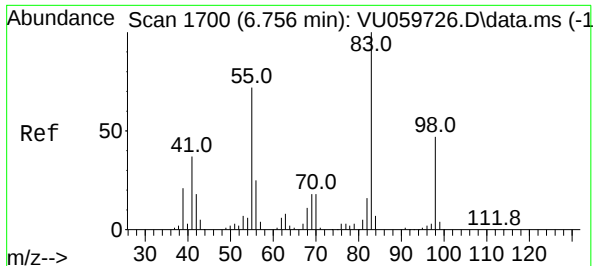
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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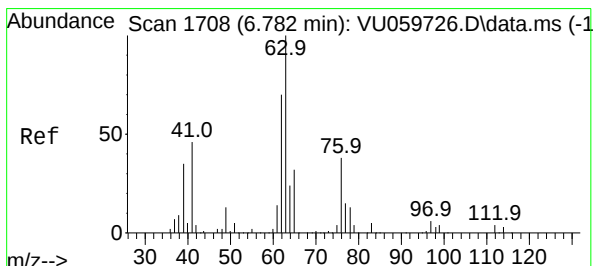
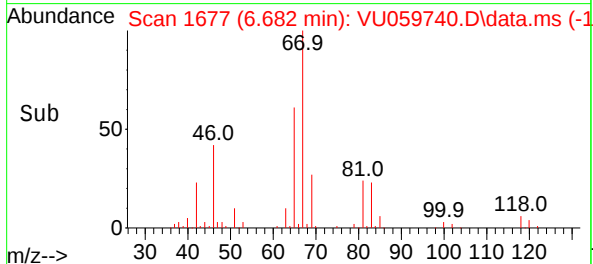
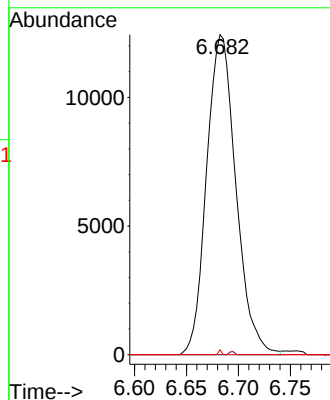
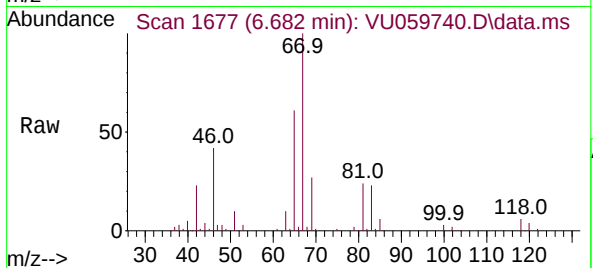




#35
Methylcyclohexane
Concen: 8.864 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.074 min
Lab File: VU059740.D
Acq: 02 Jul 2024 15:29

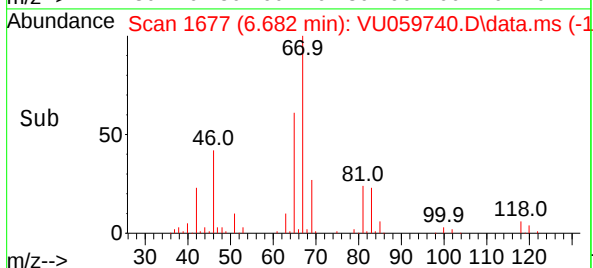
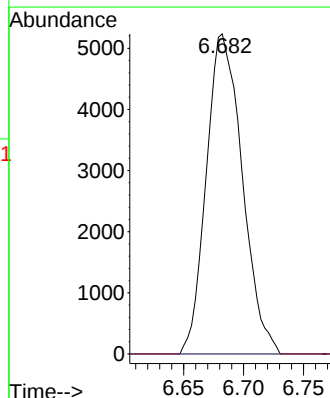
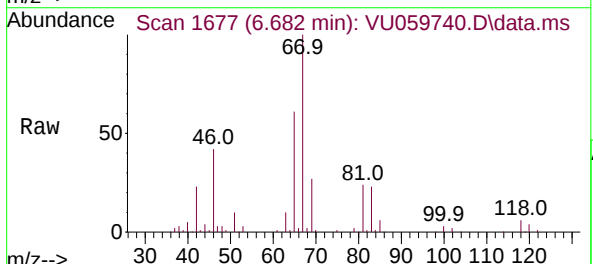
Instrument :
MSVOA_U
ClientSampleId :

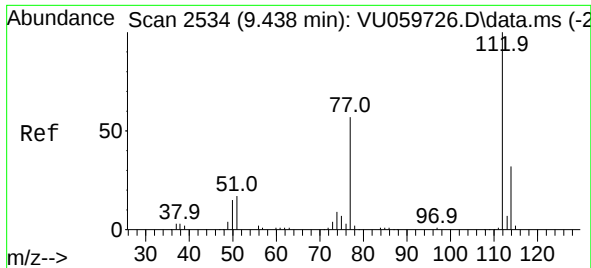
Tgt Ion: 83 Resp: 24396
Ion Ratio Lower Upper
83 100
55 0.2 56.8 85.2#
98 0.3 36.5 54.7#



#37
1,2-Dichloropropane
Concen: 5.312 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.100 min
Lab File: VU059740.D
Acq: 02 Jul 2024 15:29

Tgt Ion: 63 Resp: 10919
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#

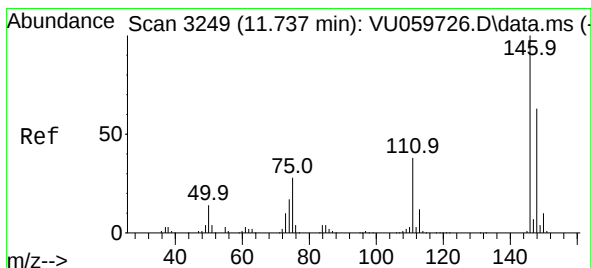
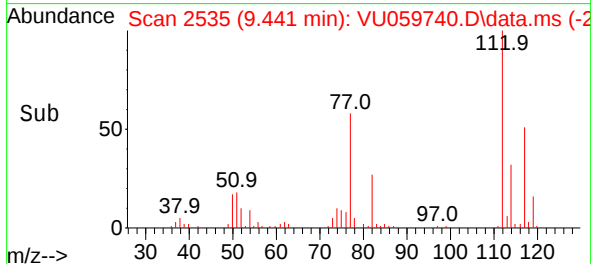
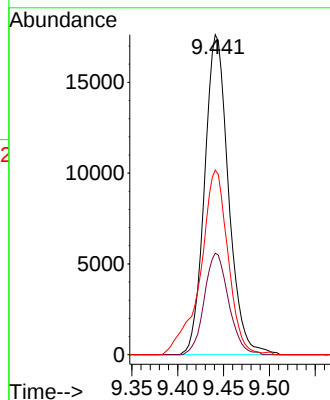
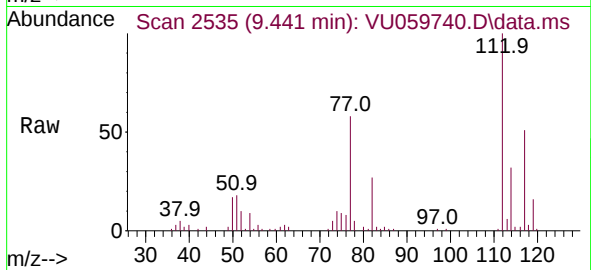




#51
Chlorobenzene
Concen: 5.916 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU059740.D
Acq: 02 Jul 2024 15:29

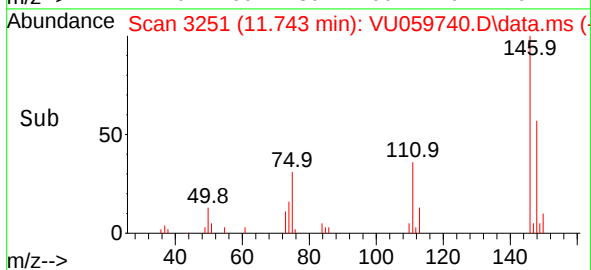
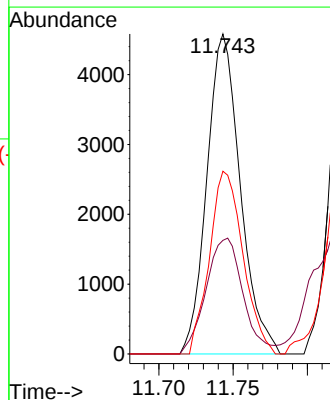
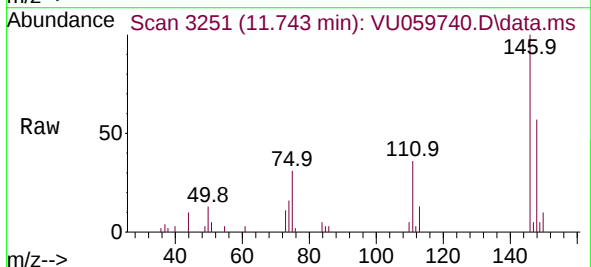
Instrument :
MSVOA_U
ClientSampleId :

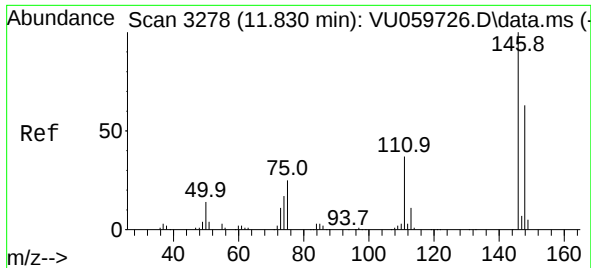
Tgt Ion:112 Resp: 32021
Ion Ratio Lower Upper
112 100
114 34.1 22.7 42.3
77 57.7 45.8 68.6



#64
1,3-Dichlorobenzene
Concen: 1.868 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.006 min
Lab File: VU059740.D
Acq: 02 Jul 2024 15:29

Tgt Ion:146 Resp: 7179
Ion Ratio Lower Upper
146 100
111 38.3 26.5 49.1
148 62.1 43.8 81.3





#65

1,4-Dichlorobenzene

Concen: 3.516 ug/L

RT: 11.830 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU059740.D

Acq: 02 Jul 2024 15:29

Instrument :

MSVOA_U

ClientSampleId :

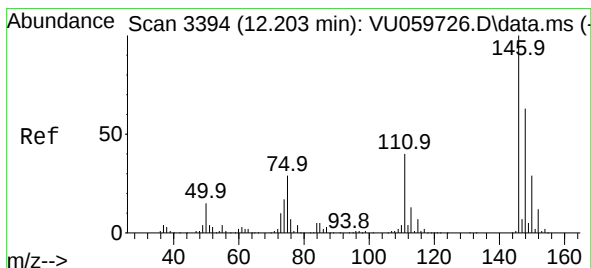
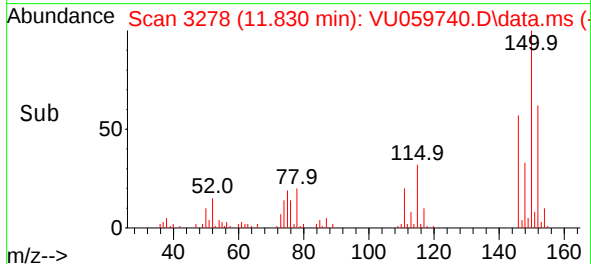
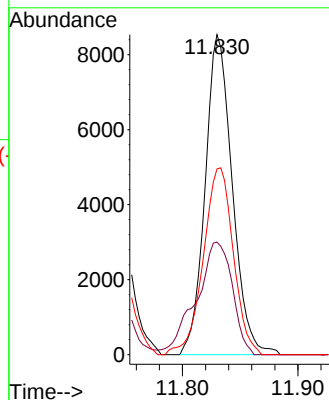
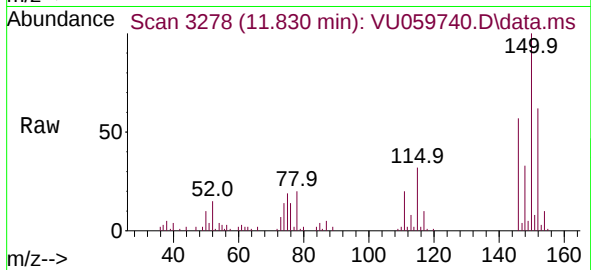
Tgt Ion:146 Resp: 13971

Ion Ratio Lower Upper

146 100

111 37.9 25.9 48.1

148 58.1 44.0 81.8



#67

1,2-Dichlorobenzene

Concen: 46.350 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU059740.D

Acq: 02 Jul 2024 15:29

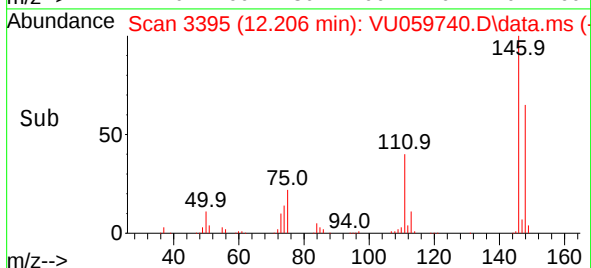
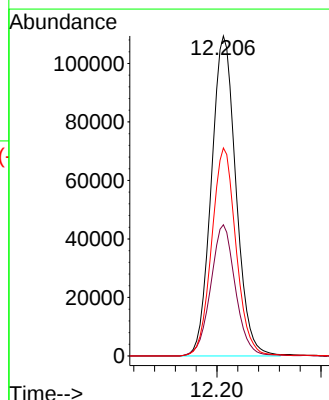
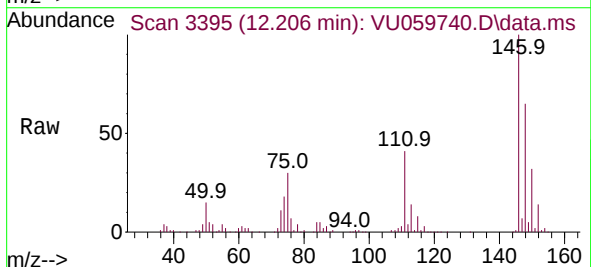
Tgt Ion:146 Resp: 179959

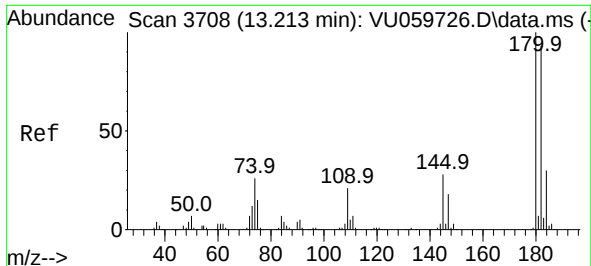
Ion Ratio Lower Upper

146 100

111 41.0 31.7 47.5

148 65.0 50.8 76.2





#69

1,3,5-Trichlorobenzene

Concen: 10.114 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.624 min

Lab File: VU059740.D

Acq: 02 Jul 2024 15:29

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 28027

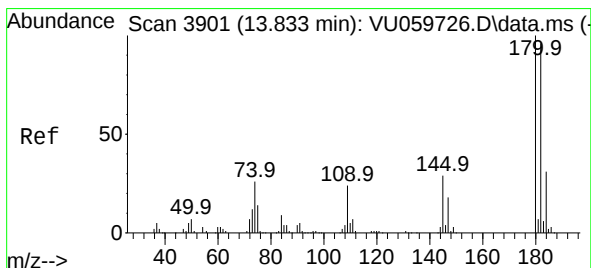
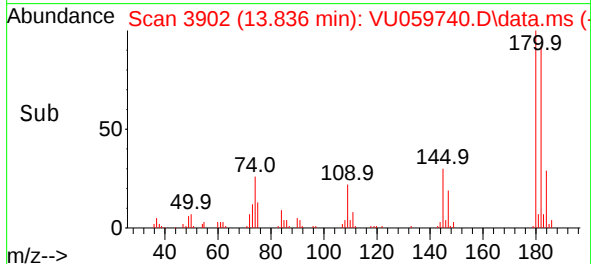
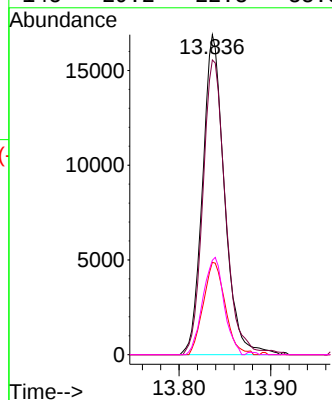
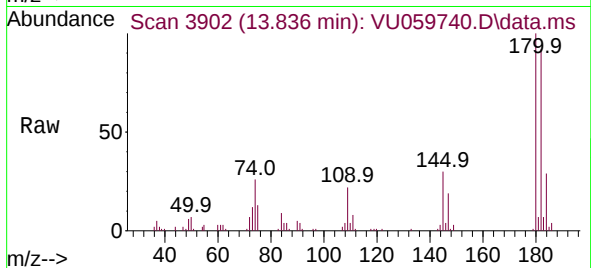
Ion Ratio Lower Upper

180 100

182 93.9 75.8 113.8

184 28.6 24.7 37.1

145 29.2 22.3 33.5



#70

1,2,4-trichlorobenzene

Concen: 11.222 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU059740.D

Acq: 02 Jul 2024 15:29

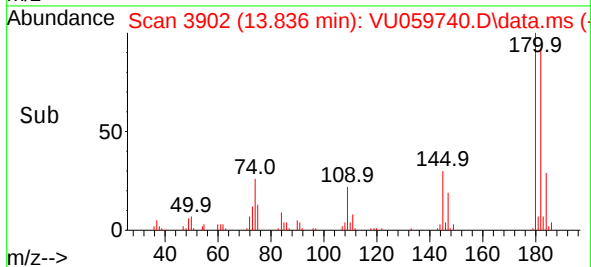
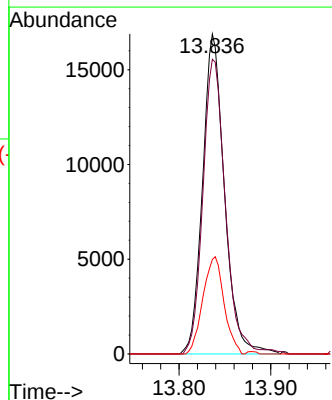
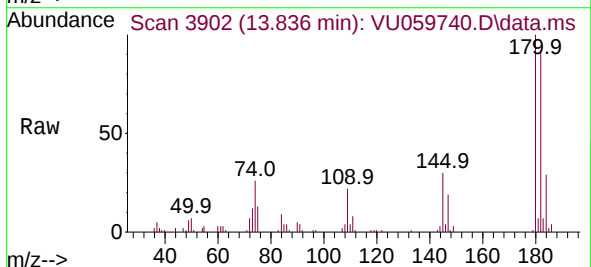
Tgt Ion:180 Resp: 28027

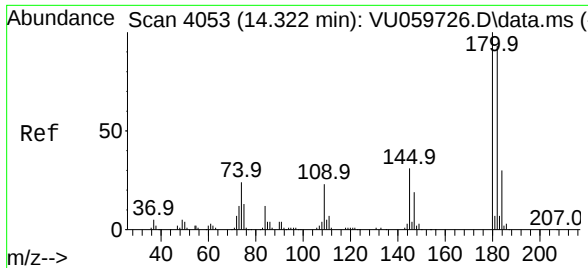
Ion Ratio Lower Upper

180 100

182 93.9 76.4 114.6

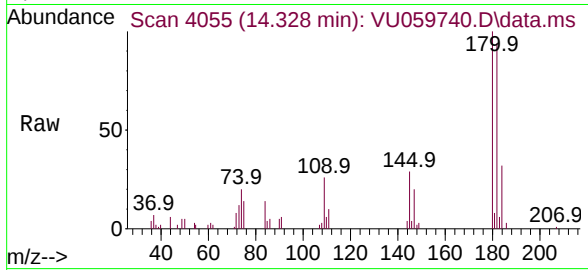
145 29.2 23.0 34.4





#72
 1,2,3-Trichlorobenzene
 Concen: 5.220 ug/L
 RT: 14.328 min Scan# 4055
 Delta R.T. 0.006 min
 Lab File: VU059740.D
 Acq: 02 Jul 2024 15:29

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	13081
Ion Ratio	Lower	Upper	
180	100		
182	98.4	75.8	113.8
145	29.7	24.5	36.7

