

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
 Data File : VU052903.D
 Acq On : 01 Feb 2023 14:21
 Operator : JC/MD
 Sample : 01381-05DL 20X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

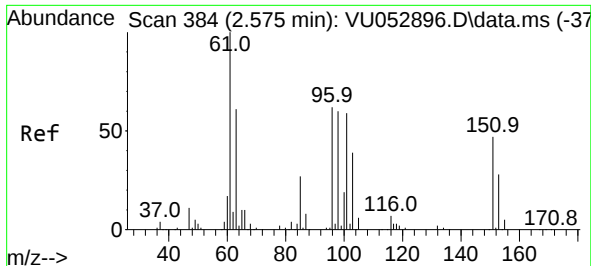
Instrument :
 MSVOA_U
 ClientSampleId :
 A44M9DL

Quant Time: Feb 01 20:05:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 20:03:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	243441	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	233329	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	112566	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	71401	40.750	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	81.500%		
7) Chloroethane-d5	1.903	69	69245	47.962	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.920%		
11) 1,1-Dichloroethene-d2	2.559	63	117385	33.683	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.360%		
21) 2-Butanone-d5	4.623	46	80659	74.518	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	74.520%		
24) Chloroform-d	5.057	84	167082	44.681	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.360%		
26) 1,2-Dichloroethane-d4	5.697	65	113395	47.491	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.980%		
32) Benzene-d6	5.723	84	321241	45.064	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.120%		
36) 1,2-Dichloropropane-d6	6.684	67	96169	45.998	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.000%		
41) Toluene-d8	7.893	98	275957	42.512	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.020%		
43) trans-1,3-Dichloroprop...	8.176	79	44835	42.786	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.580%		
47) 2-Hexanone-d5	8.642	63	56100	76.367	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	76.370%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	127352	41.228	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	82.460%		
66) 1,2-Dichlorobenzene-d4	12.189	152	112224	51.344	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.680%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.562	96	1284	0.713	ug/L #	1
20) cis-1,2-Dichloroethene	4.662	96	59685	28.724	ug/L	95
33) Benzene	5.771	78	7774	0.979	ug/L	100
34) Trichloroethene	6.539	95	4859	2.407	ug/L	96
37) 1,2-Dichloropropane	6.684	63	11345	5.810	ug/L #	85
51) Chlorobenzene	9.443	112	299745	53.522	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	4123	1.124	ug/L	91
65) 1,4-Dichlorobenzene	11.832	146	34394	9.058	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	214632	57.852	ug/L	99
69) 1,3,5-Trichlorobenzene	13.835	180	21612	7.959	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	21612	9.493	ug/L	97
72) 1,2,3-Trichlorobenzene	14.327	180	5679	2.360	ug/L	94

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



#12

1,1-Dichloroethene

Concen: 0.713 ug/L

RT: 2.562 min Scan# 384

Delta R.T. -0.013 min

Lab File: VU052903.D

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MSVOA_U

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A44M9DL

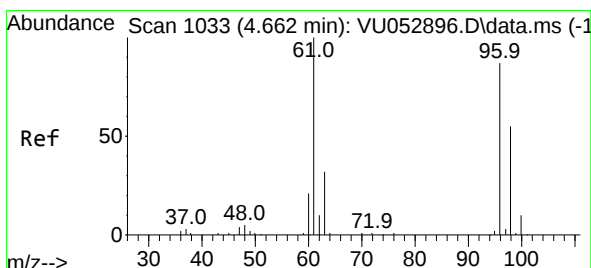
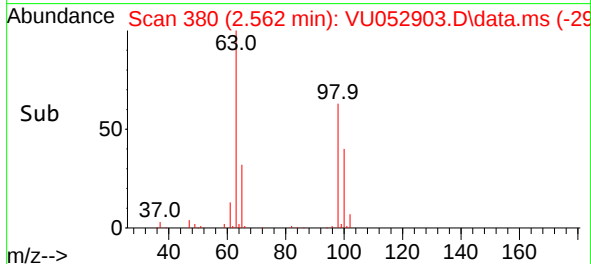
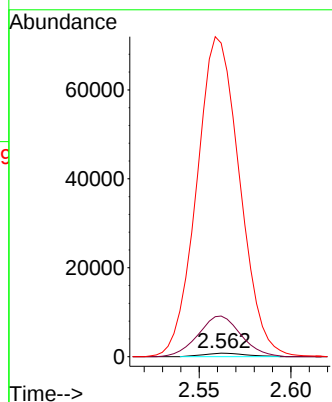
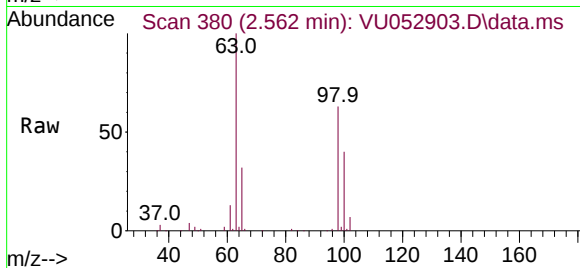
Tgt Ion: 96 Resp: 1284

Ion Ratio Lower Upper

96 100

61 1174.6 114.3 212.3#

63 9078.0 80.6 149.6#



#20

cis-1,2-Dichloroethene

Concen: 28.724 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU052903.D

Acq: 01 Feb 2023 14:21

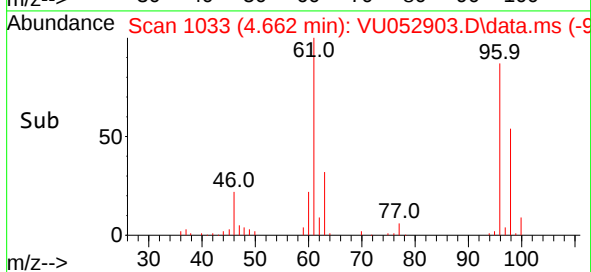
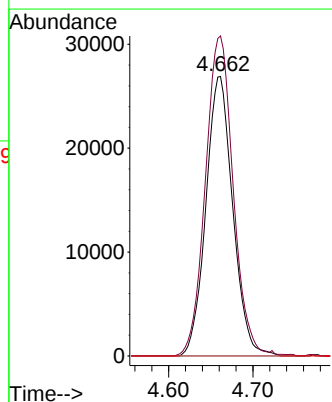
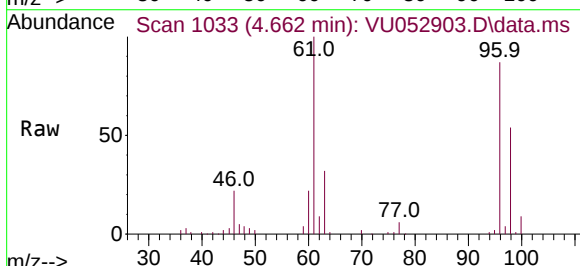
Tgt Ion: 96 Resp: 59685

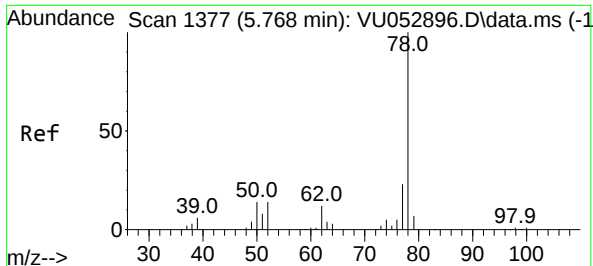
Ion Ratio Lower Upper

96 100

61 114.5 84.1 156.1

68 0.0 0.0 0.0





#33

Benzene

Concen: 0.979 ug/L

RT: 5.771 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU052903.D

Acq: 01 Feb 2023 14:21

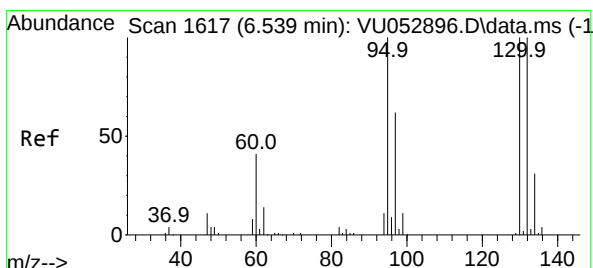
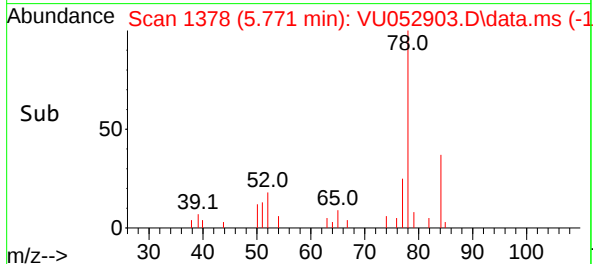
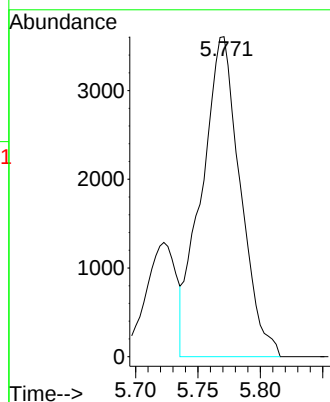
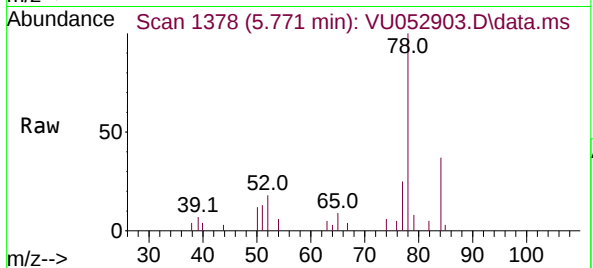
Instrument :

MSVOA_U

ClientSampleId :

A44M9DL

Tgt Ion: 78 Resp: 7774



#34

Trichloroethene

Concen: 2.407 ug/L

RT: 6.539 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VU052903.D

Acq: 01 Feb 2023 14:21

Tgt Ion: 95 Resp: 4859

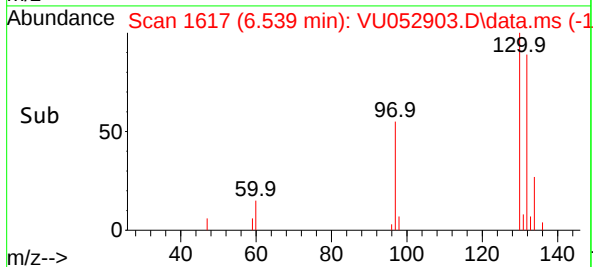
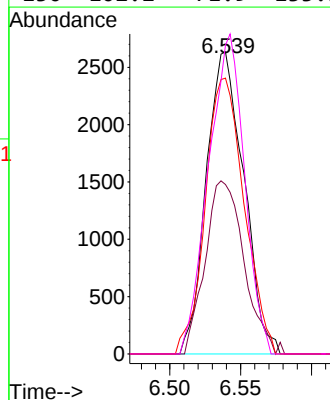
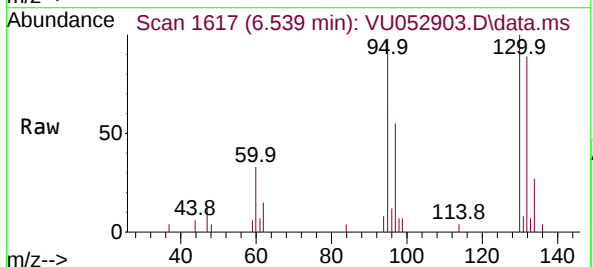
Ion Ratio Lower Upper

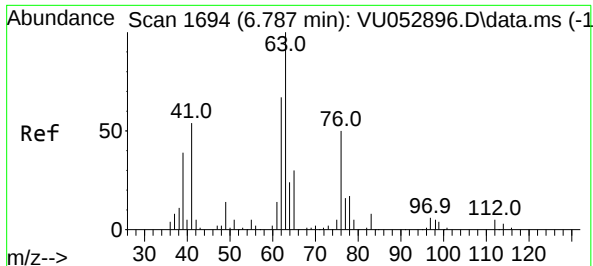
95 100

97 56.1 44.5 82.7

132 91.3 66.8 124.0

130 102.2 71.9 133.5





#37

1,2-Dichloropropane

Concen: 5.810 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU052903.D

Acq: 01 Feb 2023 14:21

Instrument :

MSVOA_U

ClientSampleId :

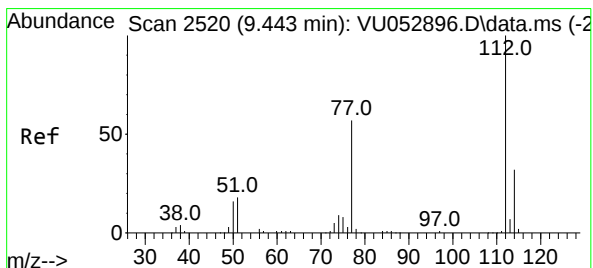
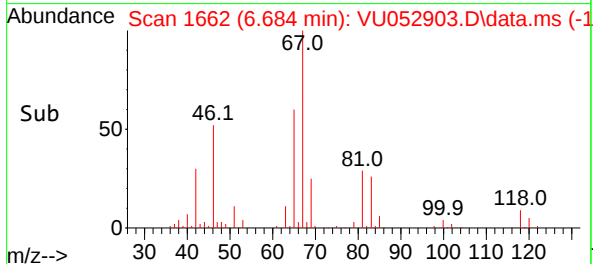
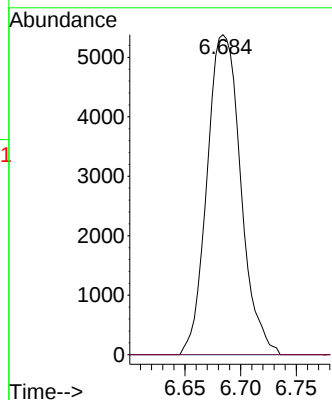
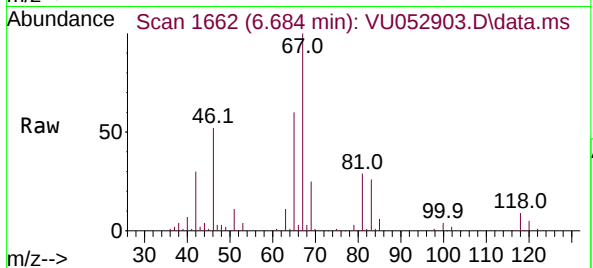
A44M9DL

Tgt Ion: 63 Resp: 11345

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#51

Chlorobenzene

Concen: 53.522 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052903.D

Acq: 01 Feb 2023 14:21

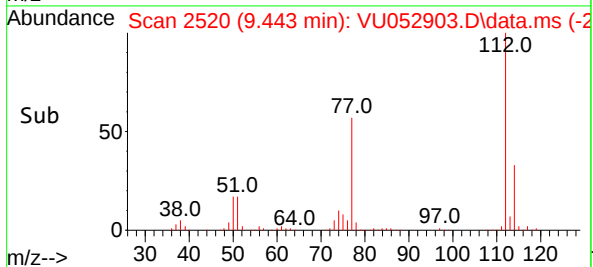
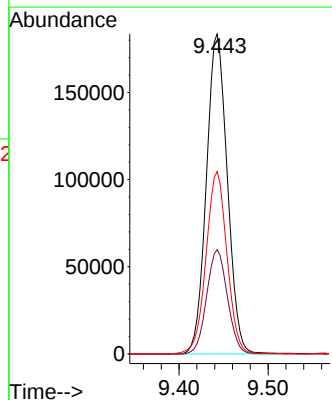
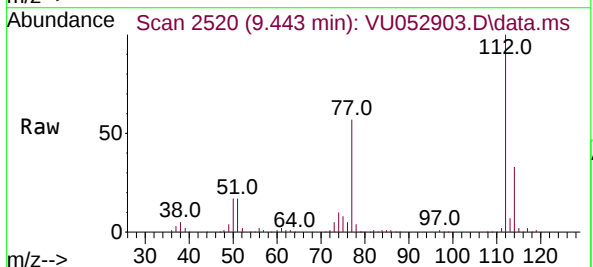
Tgt Ion: 112 Resp: 299745

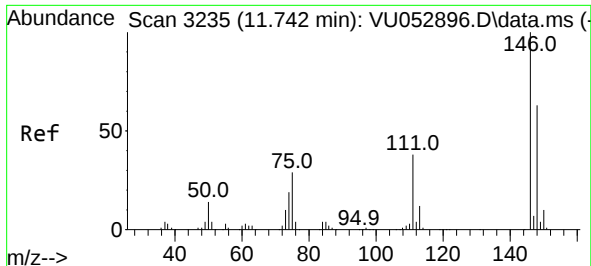
Ion Ratio Lower Upper

112 100

114 32.6 22.8 42.4

77 57.0 45.9 68.9

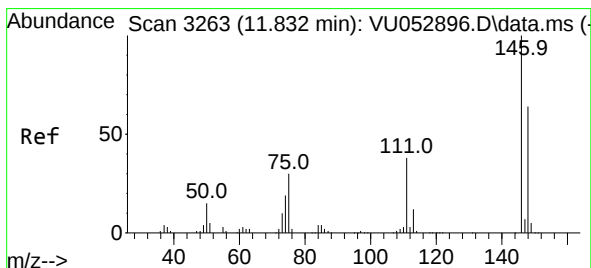
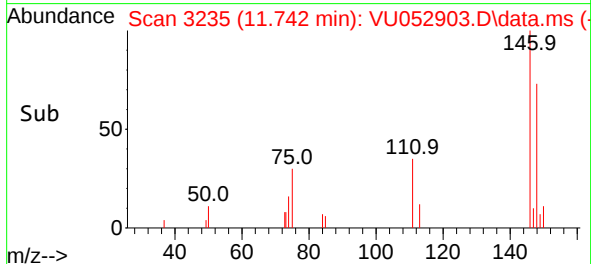
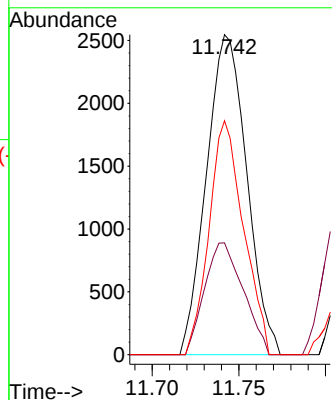
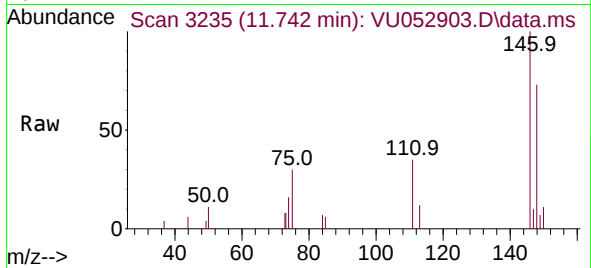




#64
1,3-Dichlorobenzene
Concen: 1.124 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052903.D
Acq: 01 Feb 2023 14:21

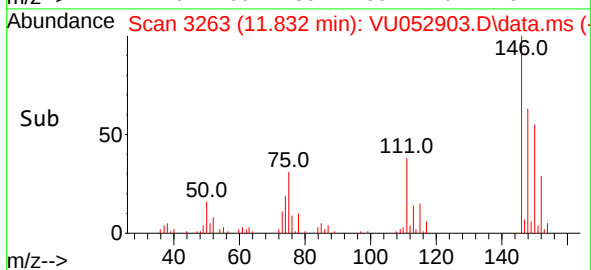
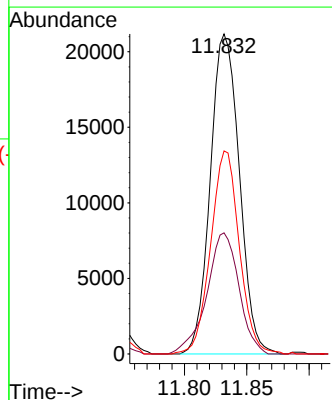
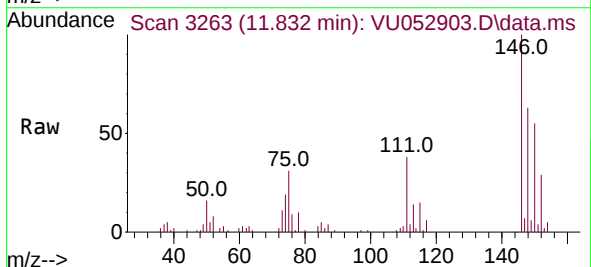
Instrument :
MSVOA_U
ClientSampleId :
A44M9DL

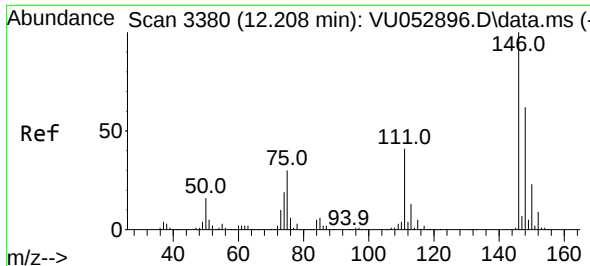
Tgt Ion:146 Resp: 4123
Ion Ratio Lower Upper
146 100
111 35.0 27.8 51.6
148 73.1 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 9.058 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052903.D
Acq: 01 Feb 2023 14:21

Tgt Ion:146 Resp: 34394
Ion Ratio Lower Upper
146 100
111 37.8 26.7 49.7
148 63.4 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 57.852 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052903.D

Acq: 01 Feb 2023 14:21

Instrument :

MSVOA_U

ClientSampleId :

A44M9DL

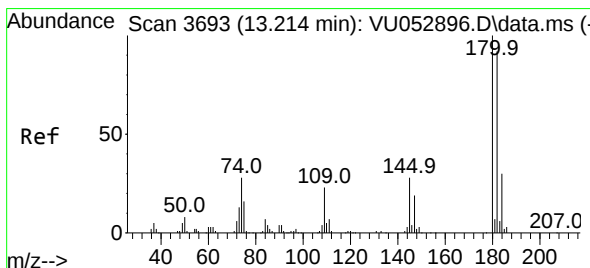
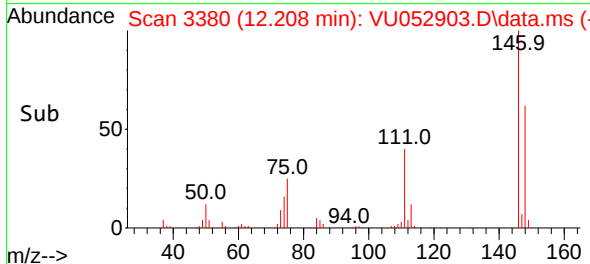
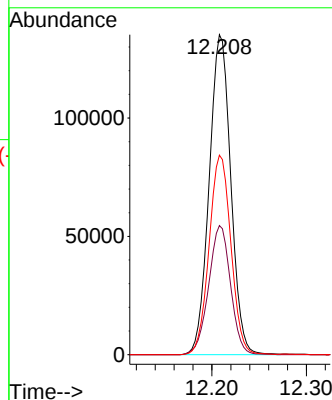
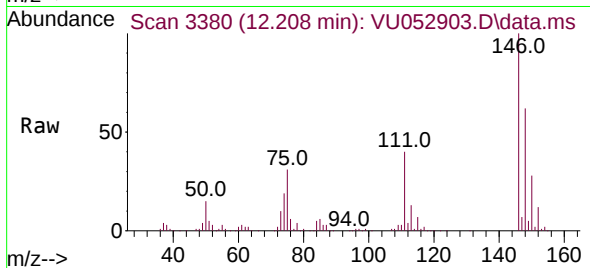
Tgt Ion:146 Resp: 214632

Ion Ratio Lower Upper

146 100

111 40.4 33.2 49.8

148 62.3 50.2 75.4



#69

1,3,5-Trichlorobenzene

Concen: 7.959 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.621 min

Lab File: VU052903.D

Acq: 01 Feb 2023 14:21

Tgt Ion:180 Resp: 21612

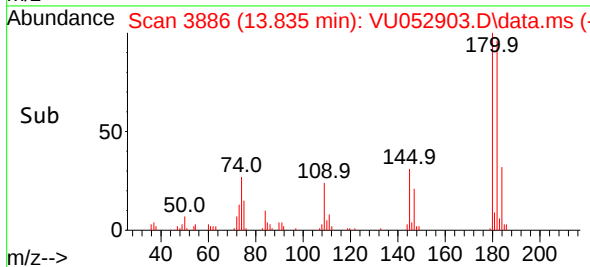
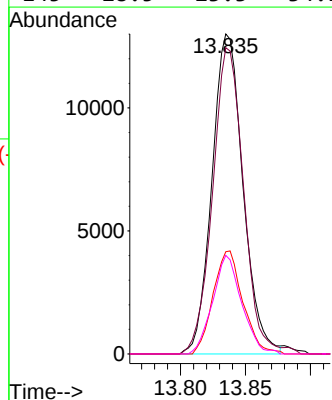
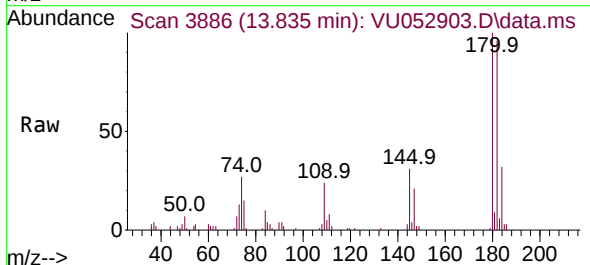
Ion Ratio Lower Upper

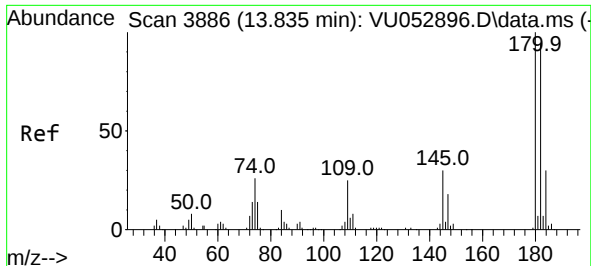
180 100

182 94.7 77.0 115.6

184 30.8 24.4 36.6

145 28.5 23.3 34.9

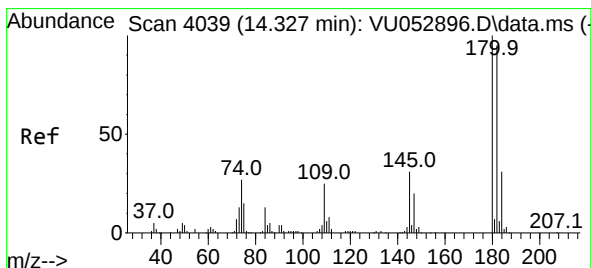
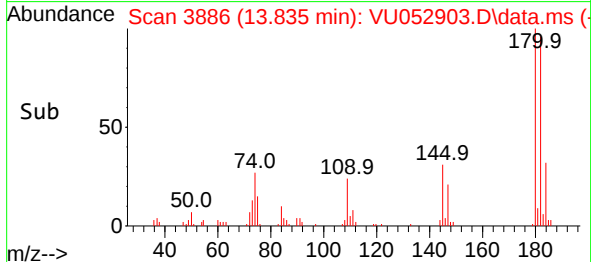
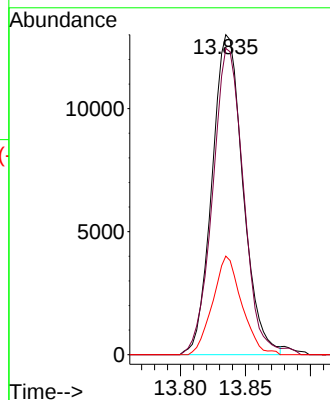
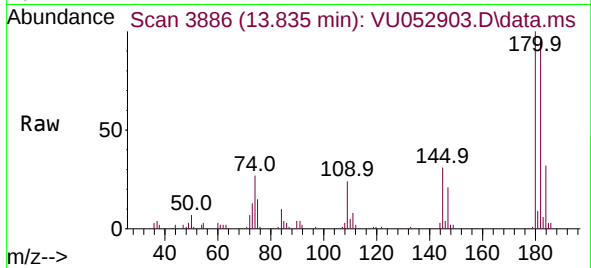




#70
1,2,4-trichlorobenzene
Concen: 9.493 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU052903.D
Acq: 01 Feb 2023 14:21

Instrument :
MSVOA_U
ClientSampleId :
A44M9DL

Tgt Ion:180 Resp: 21612
Ion Ratio Lower Upper
180 100
182 94.7 78.2 117.2
145 28.5 23.4 35.2



#72
1,2,3-Trichlorobenzene
Concen: 2.360 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.000 min
Lab File: VU052903.D
Acq: 01 Feb 2023 14:21

Tgt Ion:180 Resp: 5679
Ion Ratio Lower Upper
180 100
182 89.7 77.5 116.3
145 31.2 24.2 36.4

