

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040523\
 Data File : VU053581.D
 Acq On : 05 Apr 2023 13:37
 Operator : JC/MD
 Sample : 02158-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-6(20230329)

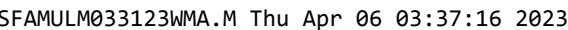
Quant Time: Apr 06 03:37:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

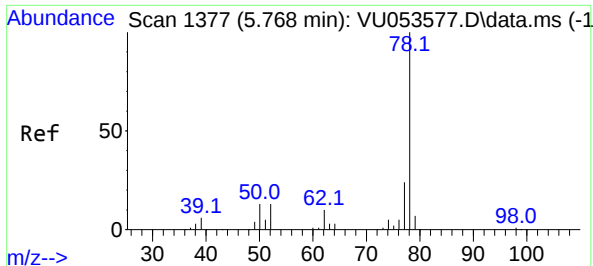
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	281959	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	269978	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	149697	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	65864	29.999	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	60.000%		
7) Chloroethane-d5	1.912	69	63584	37.562	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	75.120%		
11) 1,1-Dichloroethene-d2	2.565	63	85041	25.023	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	50.040%#		
21) 2-Butanone-d5	4.613	46	109261	109.917	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.920%		
24) Chloroform-d	5.060	84	150971	41.579	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.160%		
26) 1,2-Dichloroethane-d4	5.697	65	99923	46.572	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.140%		
32) Benzene-d6	5.722	84	293183	40.231	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	80.460%		
36) 1,2-Dichloropropane-d6	6.687	67	99547	44.691	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.380%		
41) Toluene-d8	7.896	98	270828	37.391	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	74.780%#		
43) trans-1,3-Dichloroprop...	8.176	79	48320	42.025	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.060%		
47) 2-Hexanone-d5	8.629	63	80374	105.728	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.730%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	152027	48.425	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.840%		
66) 1,2-Dichlorobenzene-d4	12.188	152	123178	39.421	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.840%#		
Target Compounds					Qvalue	
33) Benzene	5.774	78	14871	2.114	ug/L	100
37) 1,2-Dichloropropane	6.687	63	10368	5.805	ug/L #	86
51) Chlorobenzene	9.443	112	956553	174.163	ug/L	96
60) 1,2,3-Trichloropropane	11.741	75	66561	30.665	ug/L #	48
64) 1,3-Dichlorobenzene	11.741	146	233817	50.559	ug/L	96
65) 1,4-Dichlorobenzene	11.831	146	567246	120.348	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	66450	14.417	ug/L	96
69) 1,3,5-Trichlorobenzene	13.838	180	244658	71.440	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	244658	77.055	ug/L	97
72) 1,2,3-Trichlorobenzene	14.327	180	10748	3.389	ug/L	98

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

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Response via : Initial Calibration





Benzene

Concen: 2.114 ug/L

RT: 5.774 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU053581.D

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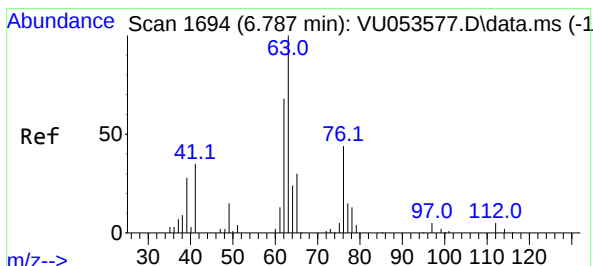
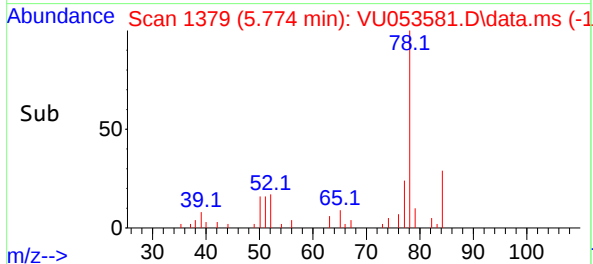
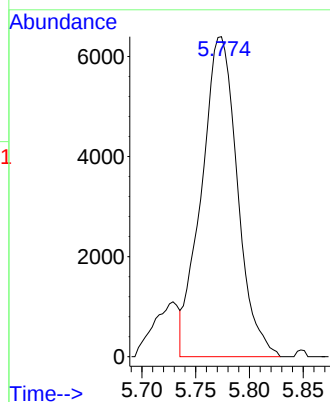
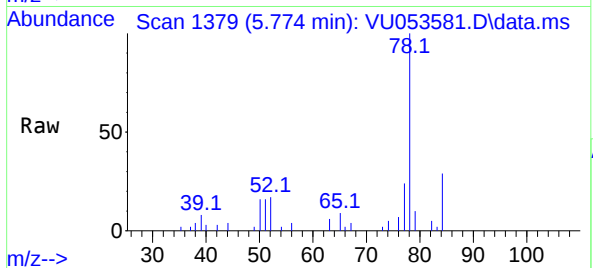
Instrument :

MSVOA_U

ClientSampleId :

PMW-6(20230329)

Tgt Ion: 78 Resp: 14871



1,2-Dichloropropane

Concen: 5.805 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.097 min

Lab File: VU053581.D

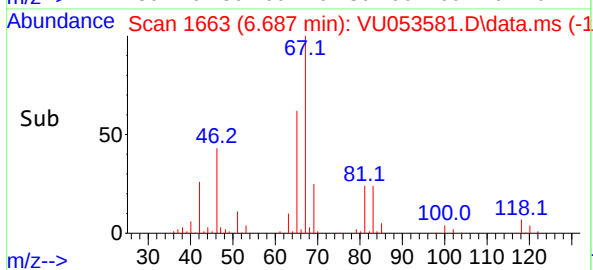
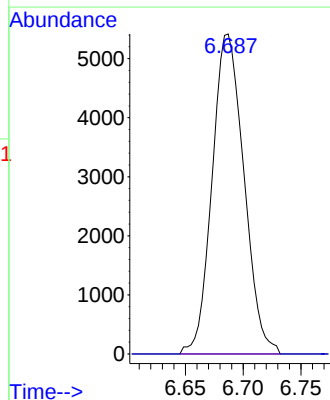
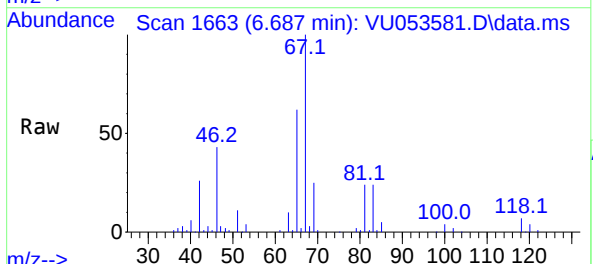
Acq: 05 Apr 2023 13:37

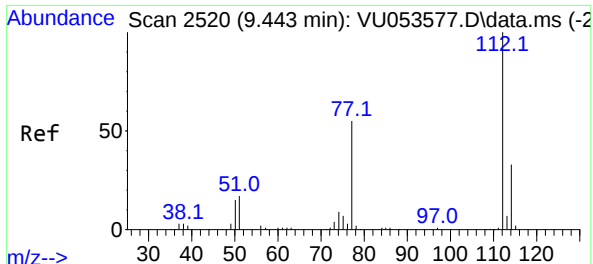
Tgt Ion: 63 Resp: 10368

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#





#51

Chlorobenzene

Concen: 174.163 ug/L

RT: 9.443 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU053581.D

Acq: 05 Apr 2023 13:37

Instrument :

MSVOA_U

ClientSampleId :

PMW-6(20230329)

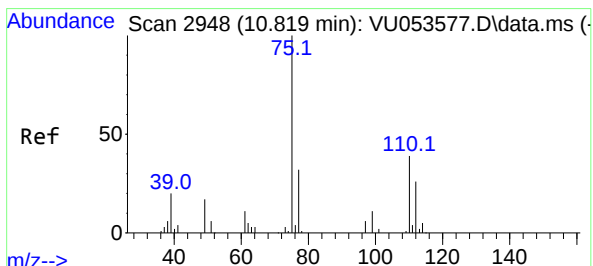
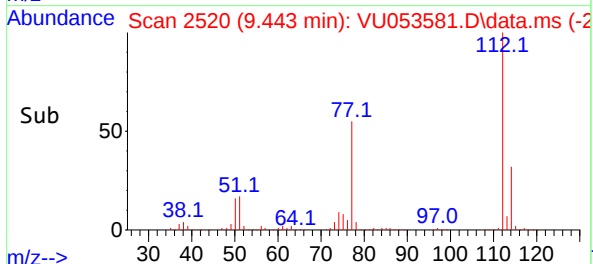
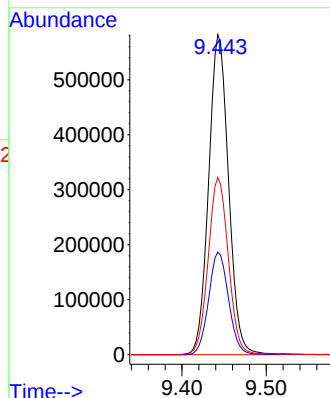
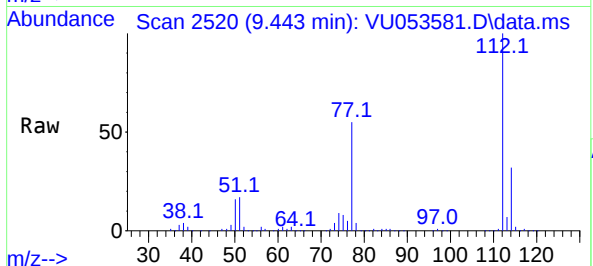
Tgt Ion:112 Resp: 956553

Ion Ratio Lower Upper

112 100

114 32.0 22.2 41.2

77 55.3 41.3 61.9



#60

1,2,3-Trichloropropane

Concen: 30.665 ug/L

RT: 11.741 min Scan# 3235

Delta R.T. 0.926 min

Lab File: VU053581.D

Acq: 05 Apr 2023 13:37

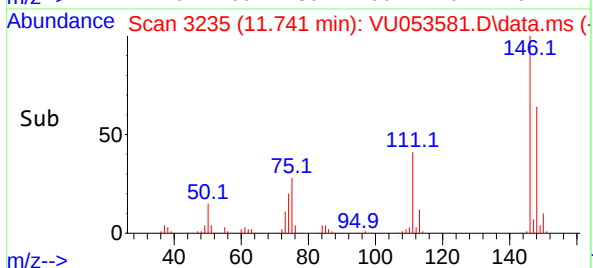
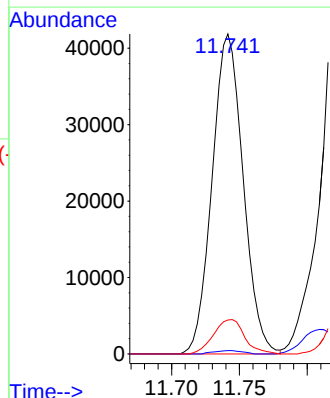
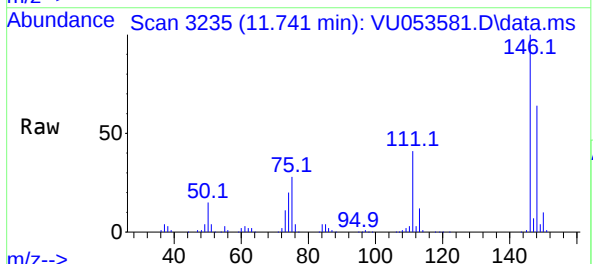
Tgt Ion: 75 Resp: 66561

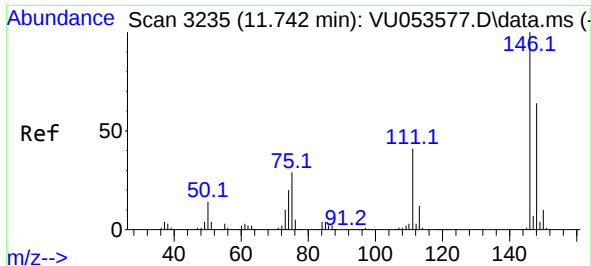
Ion Ratio Lower Upper

75 100

77 1.0 26.0 39.0#

110 10.8 32.6 48.8#

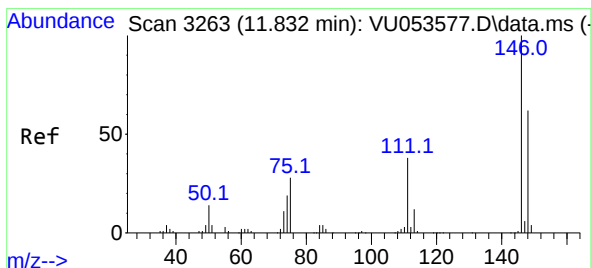
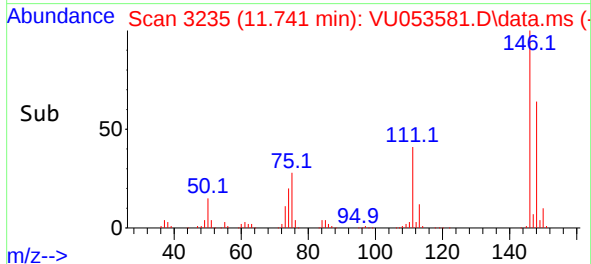
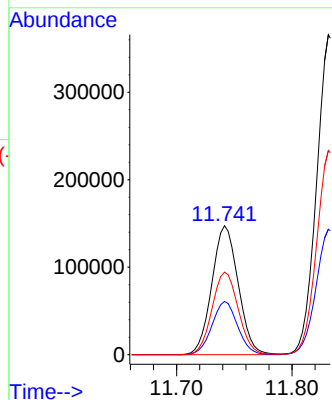
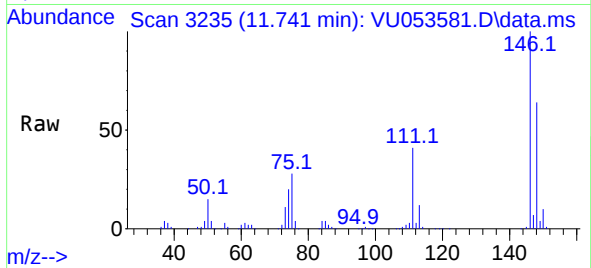




#64
1,3-Dichlorobenzene
Concen: 50.559 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053581.D
Acq: 05 Apr 2023 13:37

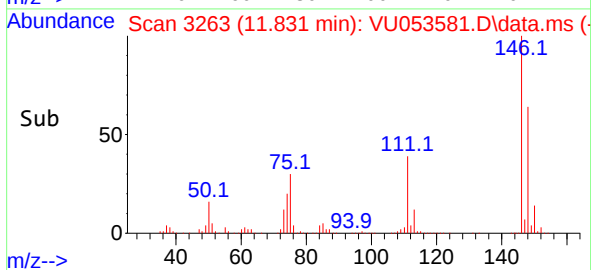
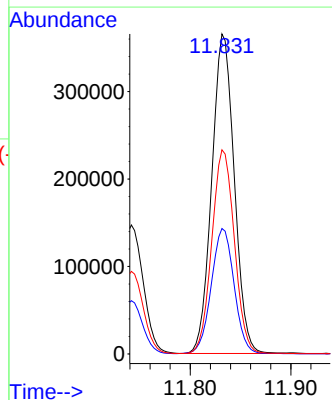
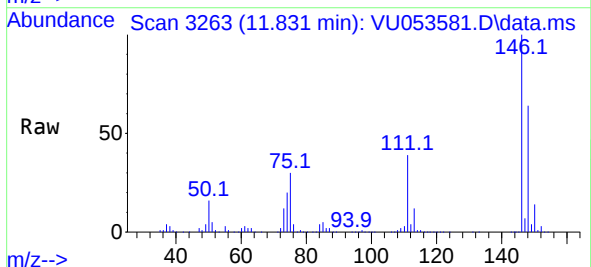
Instrument :
MSVOA_U
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PMW-6(20230329)

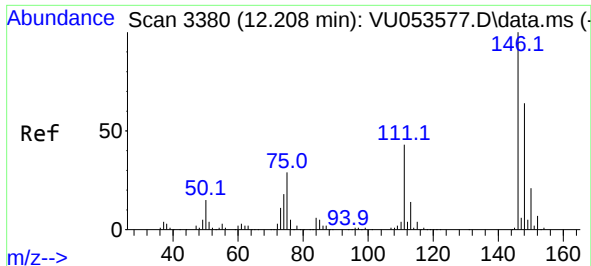
Tgt Ion:146 Resp: 233817
Ion Ratio Lower Upper
146 100
111 41.3 25.7 47.7
148 64.1 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 120.348 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053581.D
Acq: 05 Apr 2023 13:37

Tgt Ion:146 Resp: 567246
Ion Ratio Lower Upper
146 100
111 39.2 25.1 46.5
148 63.8 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 14.417 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053581.D

Acq: 05 Apr 2023 13:37

Instrument :

MSVOA_U

ClientSampleId :

PMW-6(20230329)

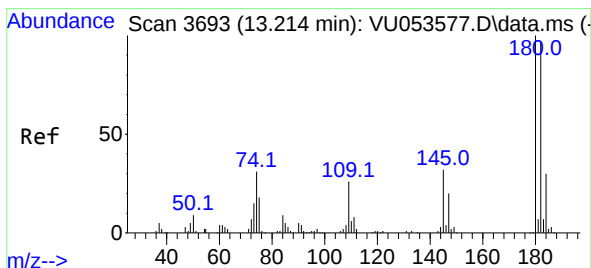
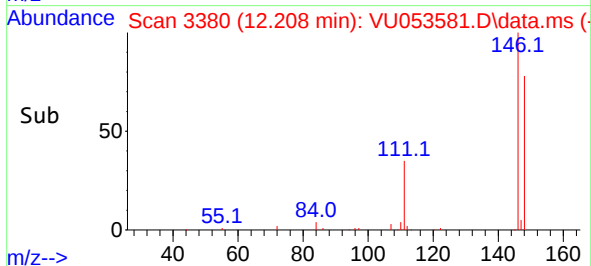
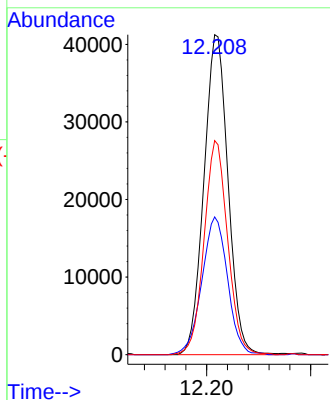
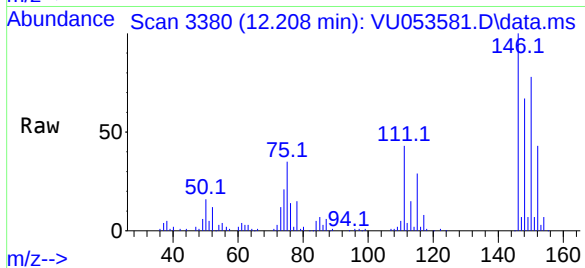
Tgt Ion:146 Resp: 66450

Ion Ratio Lower Upper

146 100

111 43.1 31.5 47.3

148 66.9 51.6 77.4



#69

1,3,5-Trichlorobenzene

Concen: 71.440 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.624 min

Lab File: VU053581.D

Acq: 05 Apr 2023 13:37

Tgt Ion:180 Resp: 244658

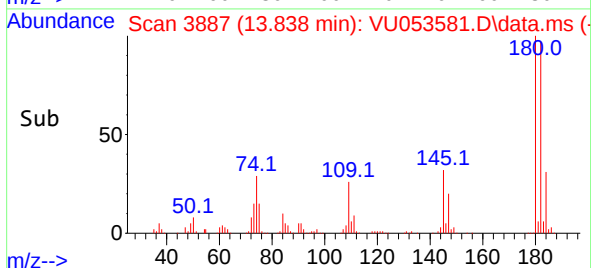
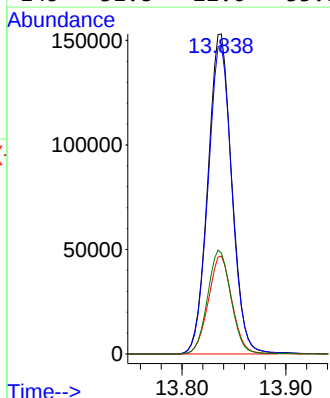
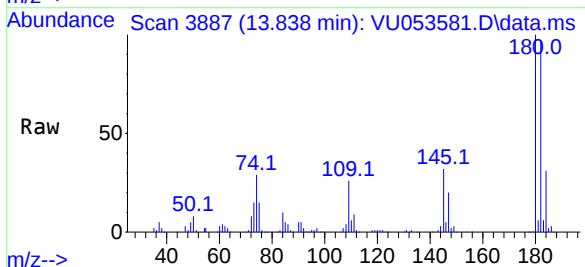
Ion Ratio Lower Upper

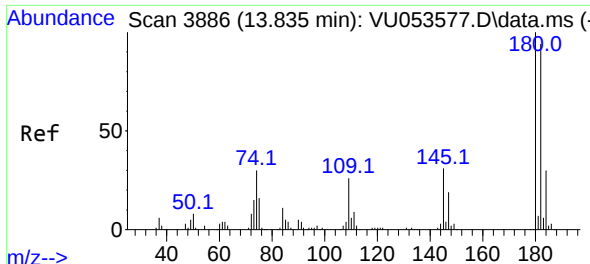
180 100

182 96.8 75.6 113.4

184 30.4 24.2 36.2

145 31.8 22.6 33.8

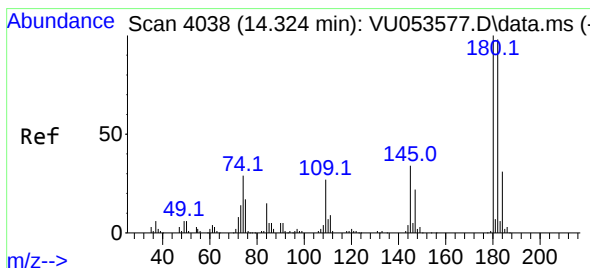
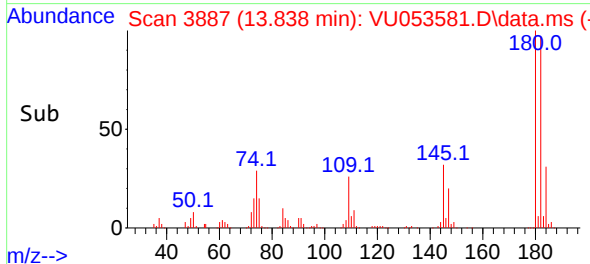
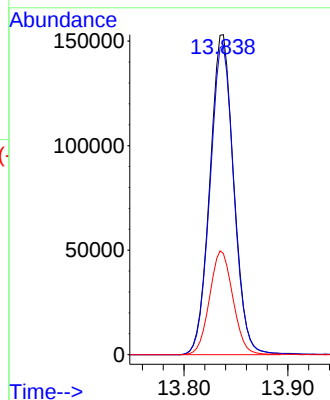
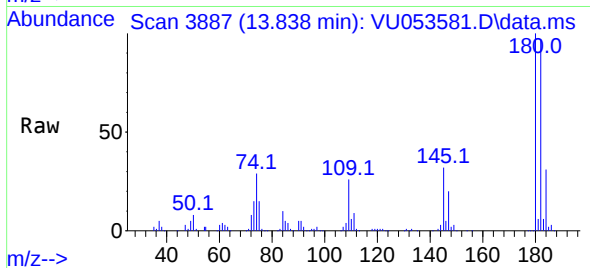




#70
1,2,4-trichlorobenzene
Concen: 77.055 ug/L
RT: 13.838 min Scan# 3886
Delta R.T. 0.003 min
Lab File: VU053581.D
Acq: 05 Apr 2023 13:37

Instrument :
MSVOA_U
ClientSampleId :
PMW-6(20230329)

Tgt Ion:180 Resp: 244658
Ion Ratio Lower Upper
180 100
182 96.8 75.8 113.8
145 31.8 23.4 35.2



#72
1,2,3-Trichlorobenzene
Concen: 3.389 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU053581.D
Acq: 05 Apr 2023 13:37

Tgt Ion:180 Resp: 10748
Ion Ratio Lower Upper
180 100
182 97.3 77.0 115.6
145 35.0 25.4 38.0

