

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040523\
 Data File : VU053580.D
 Acq On : 05 Apr 2023 13:10
 Operator : JC/MD
 Sample : 02158-06DL 200X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-5(20230329)DL

Quant Time: Apr 06 03:37:03 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)

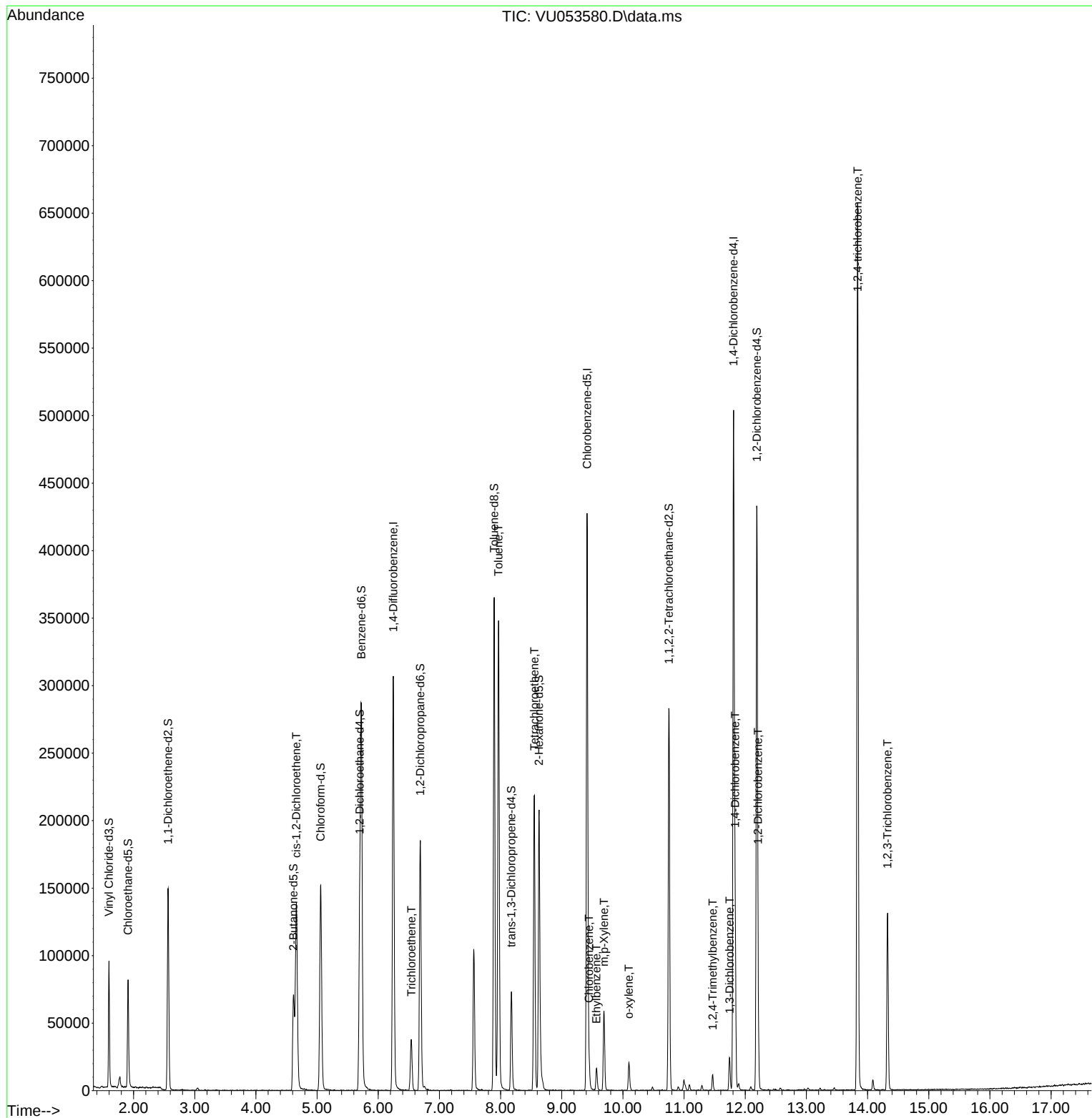
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	264921	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	247691	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	131518	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	66337	32.158	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	64.320%		
7) Chloroethane-d5	1.909	69	61413	38.612	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.220%		
11) 1,1-Dichloroethene-d2	2.565	63	86442	27.071	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	54.140%#		
21) 2-Butanone-d5	4.613	46	96808	103.653	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.650%		
24) Chloroform-d	5.057	84	139891	41.005	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.000%		
26) 1,2-Dichloroethane-d4	5.697	65	90270	44.779	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.560%		
32) Benzene-d6	5.723	84	278847	41.707	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.420%		
36) 1,2-Dichloropropane-d6	6.687	67	92165	45.100	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.200%		
41) Toluene-d8	7.896	98	251476	37.844	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	75.680%#		
43) trans-1,3-Dichloroprop...	8.176	79	43704	41.431	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	82.860%		
47) 2-Hexanone-d5	8.629	63	74508	106.830	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	106.830%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	136978	47.557	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.120%		
66) 1,2-Dichlorobenzene-d4	12.189	152	113170	41.224	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	82.440%		
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	4.661	96	74155	39.298	ug/L	92
34) Trichloroethene	6.542	95	11862	6.077	ug/L	97
42) Toluene	7.967	91	265983	36.369	ug/L	98
46) Tetrachloroethene	8.552	164	47510	29.332	ug/L	97
51) Chlorobenzene	9.446	112	10384	2.061	ug/L	93
52) Ethylbenzene	9.568	91	12586	1.546	ug/L	99
53) m,p-Xylene	9.690	106	18247	5.731	ug/L	92
54) o-xylene	10.095	106	6368	2.023	ug/L	96
63) 1,2,4-Trimethylbenzene	11.468	105	6666	1.041	ug/L	95
64) 1,3-Dichlorobenzene	11.745	146	10307	2.537	ug/L	95
65) 1,4-Dichlorobenzene	11.835	146	57043	13.775	ug/L	97
67) 1,2-Dichlorobenzene	12.208	146	17414	4.300	ug/L	95
70) 1,2,4-trichlorobenzene	13.838	180	202379	72.549	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	39731	14.260	ug/L	97

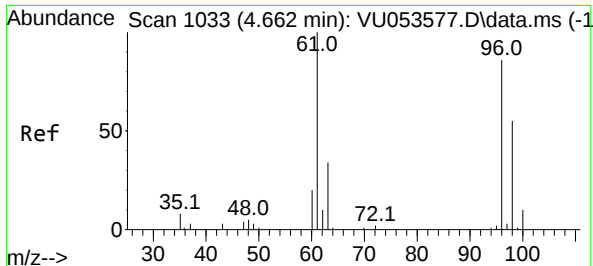
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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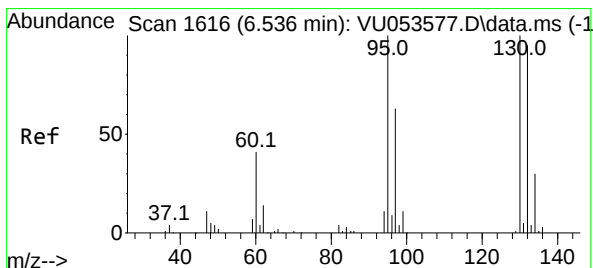
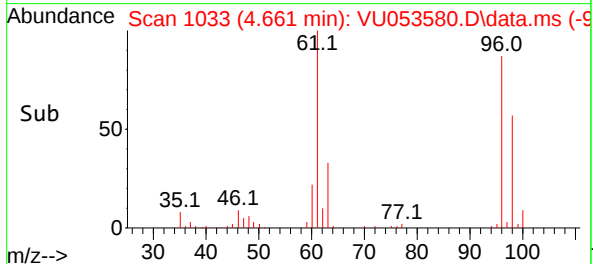
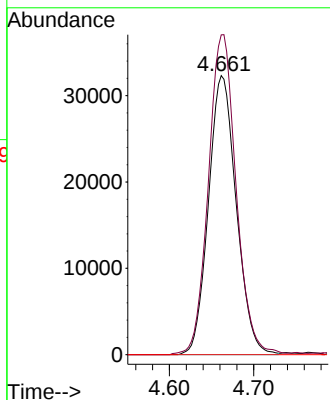
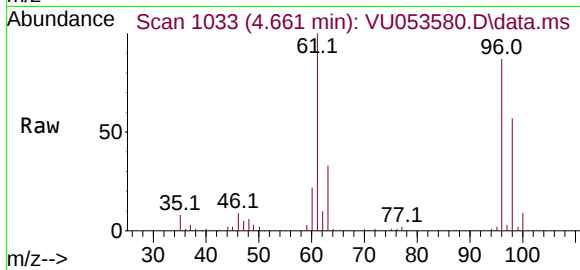




#20
 cis-1,2-Dichloroethene
 Concen: 39.298 ug/L
 RT: 4.661 min Scan# 1033
 Delta R.T. 0.000 min
 Lab File: VU053580.D
 Acq: 05 Apr 2023 13:10

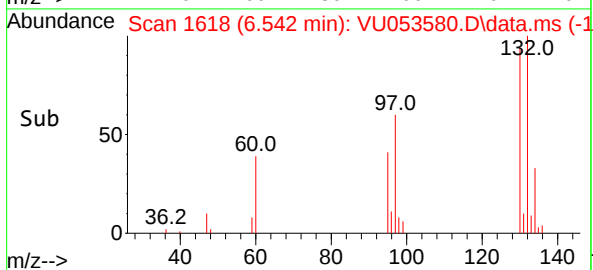
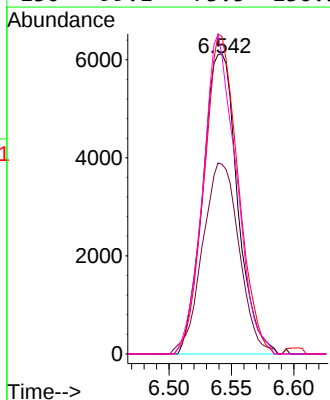
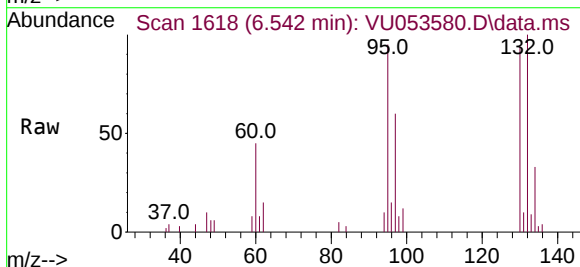
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-5(20230329)DL

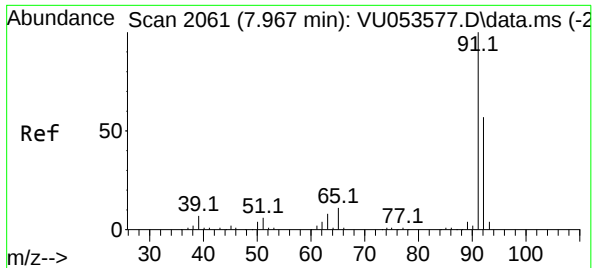
Tgt Ion: 96 Resp: 74155
 Ion Ratio Lower Upper
 96 100
 61 114.6 74.7 138.7
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 6.077 ug/L
 RT: 6.542 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: VU053580.D
 Acq: 05 Apr 2023 13:10

Tgt Ion: 95 Resp: 11862
 Ion Ratio Lower Upper
 95 100
 97 63.2 45.1 83.7
 132 105.7 74.1 137.5
 130 99.1 73.5 136.5





#42

Toluene

Concen: 36.369 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. 0.003 min

Lab File: VU053580.D

Acq: 05 Apr 2023 13:10

Instrument :

MSVOA_U

ClientSampleId :

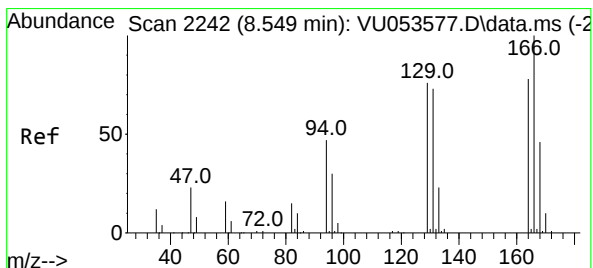
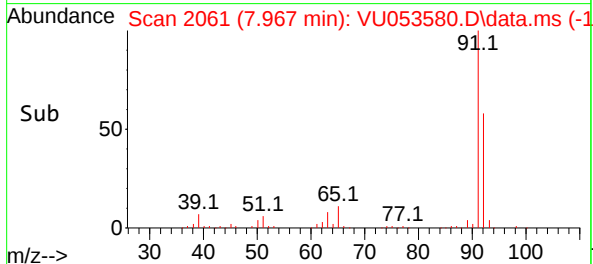
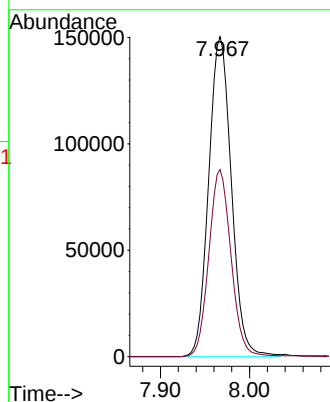
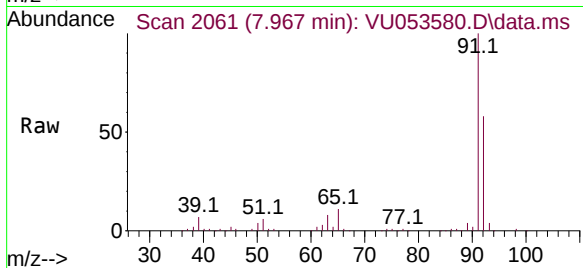
PMW-5(20230329)DL

Tgt Ion: 91 Resp: 265983

Ion Ratio Lower Upper

91 100

92 58.4 39.8 73.8



#46

Tetrachloroethene

Concen: 29.332 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.003 min

Lab File: VU053580.D

Acq: 05 Apr 2023 13:10

Tgt Ion:164 Resp: 47510

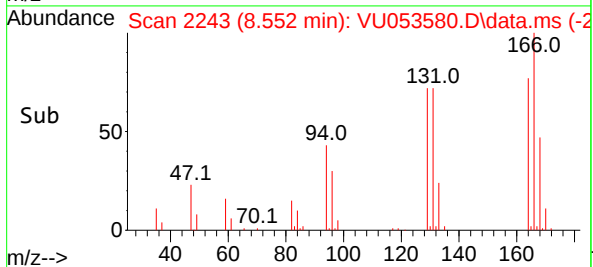
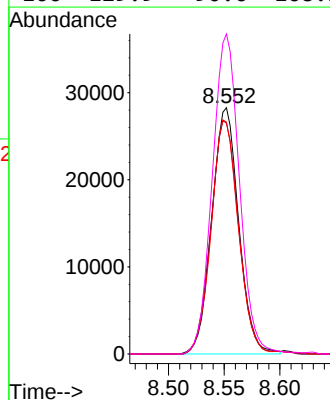
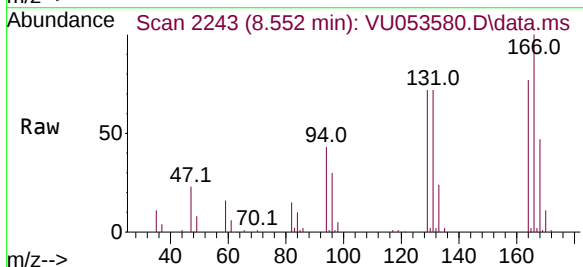
Ion Ratio Lower Upper

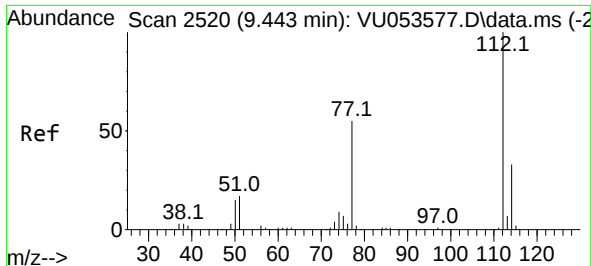
164 100

129 93.7 64.0 119.0

131 94.1 61.9 115.1

166 129.9 90.6 168.2





#51

Chlorobenzene

Concen: 2.061 ug/L

RT: 9.446 min Scan# 2520

Delta R.T. 0.003 min

Lab File: VU053580.D

Acq: 05 Apr 2023 13:10

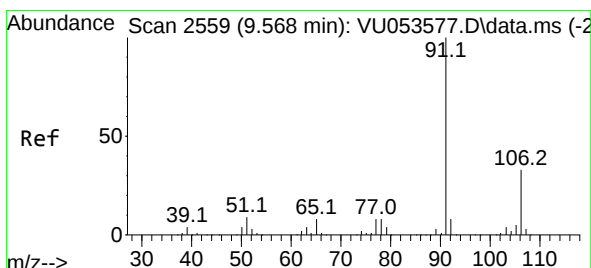
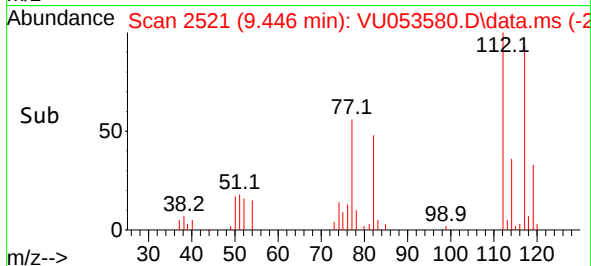
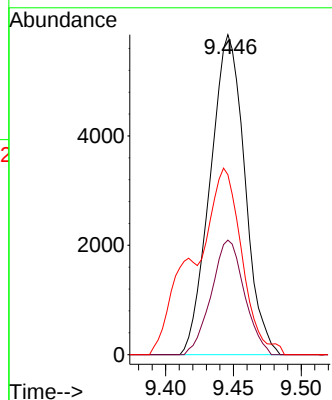
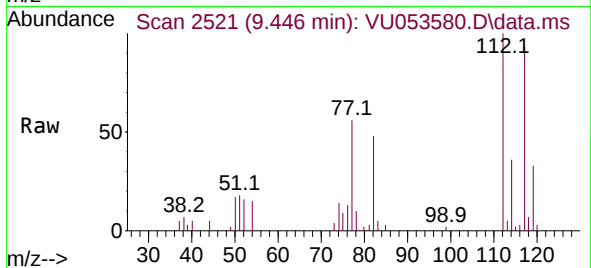
Instrument :

MSVOA_U

ClientSampleId :

PMW-5(20230329)DL

Tgt Ion:	112	Resp:	10384
Ion Ratio	Lower	Upper	
112	100		
114	35.8	22.2	41.2
77	56.2	41.3	61.9



#52

Ethylbenzene

Concen: 1.546 ug/L

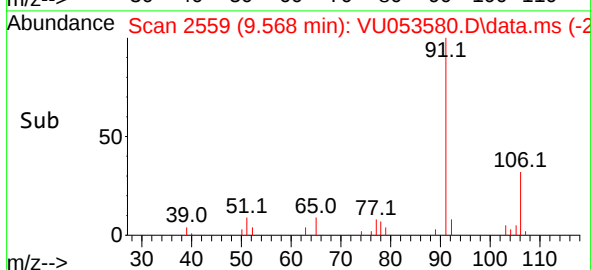
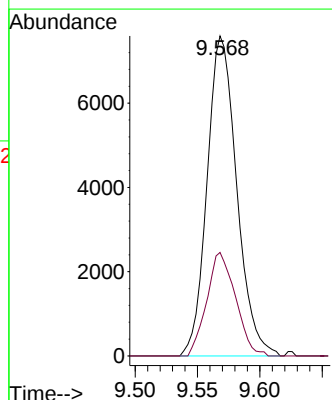
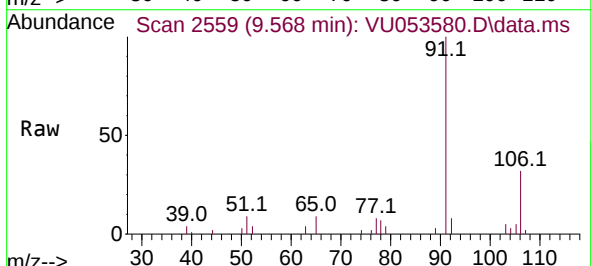
RT: 9.568 min Scan# 2559

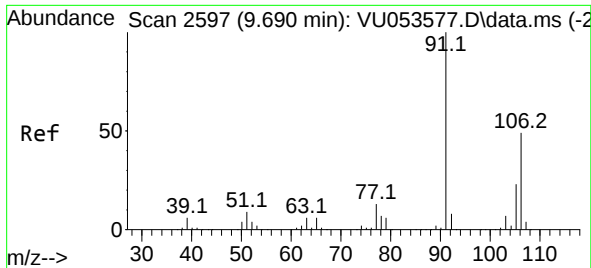
Delta R.T. 0.003 min

Lab File: VU053580.D

Acq: 05 Apr 2023 13:10

Tgt Ion:	91	Resp:	12586
Ion Ratio	Lower	Upper	
91	100		
106	32.4	22.4	41.6

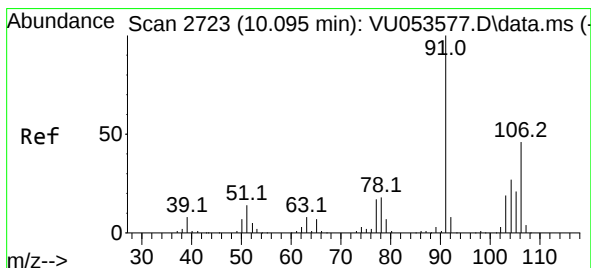
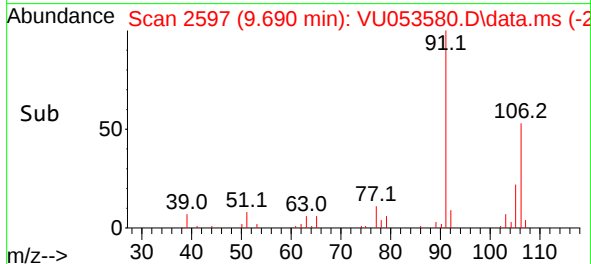
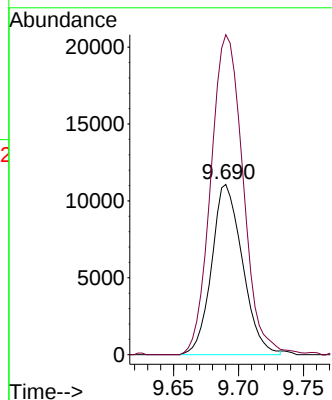
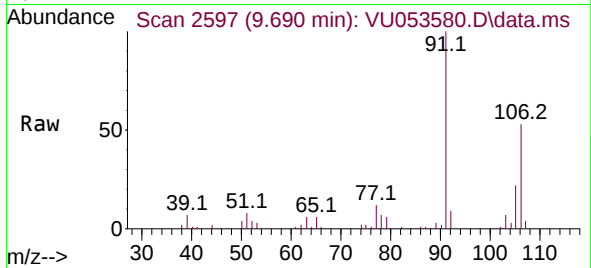




#53
m,p-Xylene
Concen: 5.731 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

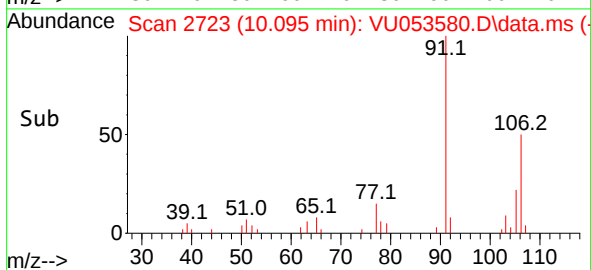
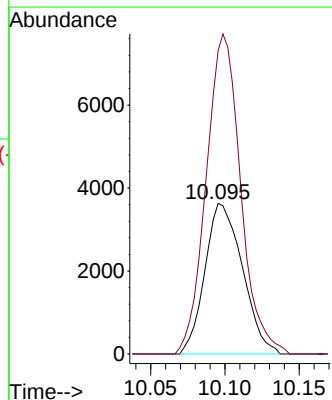
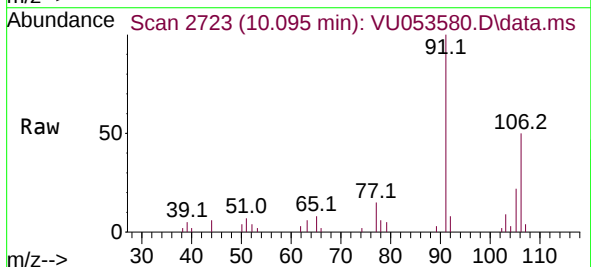
Instrument :
MSVOA_U
ClientSampleId :
PMW-5(20230329)DL

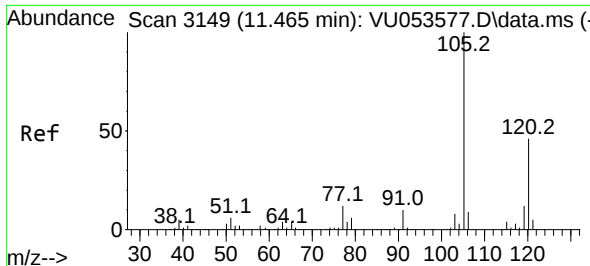
Tgt Ion:106 Resp: 18247
Ion Ratio Lower Upper
106 100
91 187.9 140.0 260.0



#54
o-xylene
Concen: 2.023 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

Tgt Ion:106 Resp: 6368
Ion Ratio Lower Upper
106 100
91 201.4 144.9 269.1

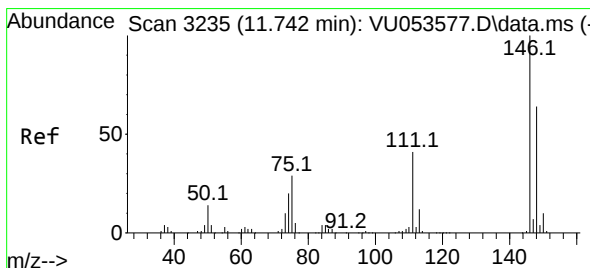
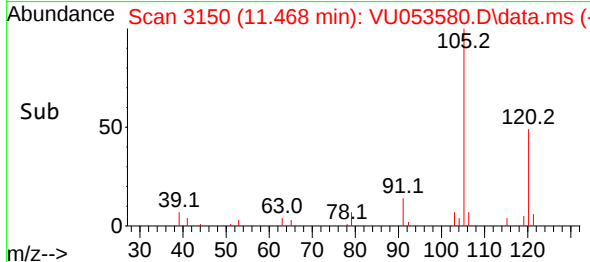
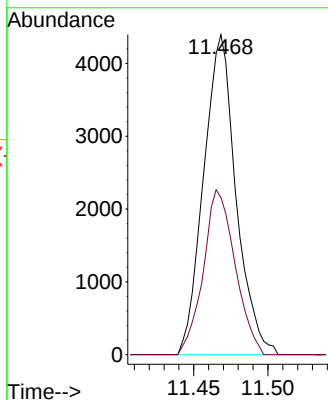
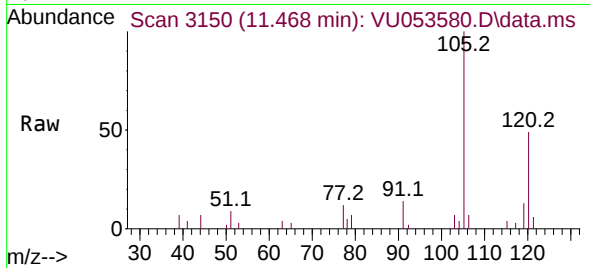




#63
1,2,4-Trimethylbenzene
Concen: 1.041 ug/L
RT: 11.468 min Scan# 3149
Delta R.T. 0.006 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

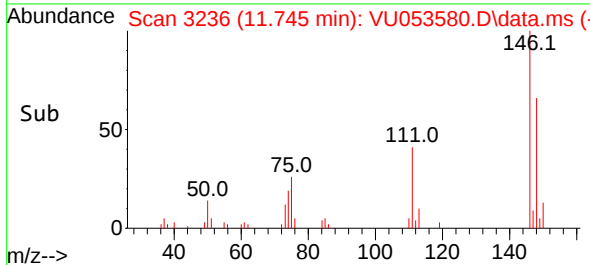
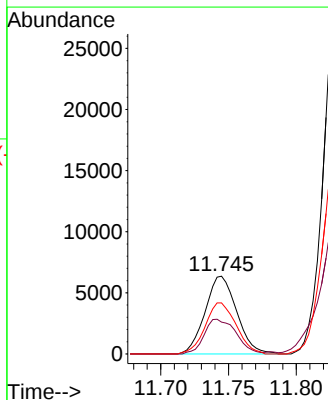
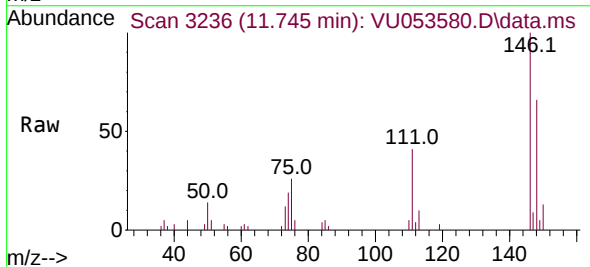
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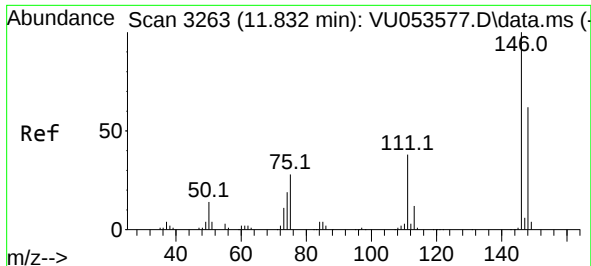
Tgt Ion:105 Resp: 6666
Ion Ratio Lower Upper
105 100
120 50.5 37.5 56.3



#64
1,3-Dichlorobenzene
Concen: 2.537 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

Tgt Ion:146 Resp: 10307
Ion Ratio Lower Upper
146 100
111 41.0 25.7 47.7
148 65.7 44.2 82.2

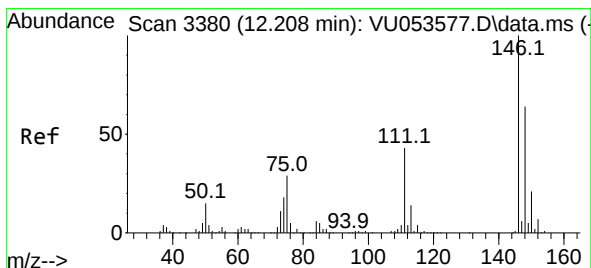
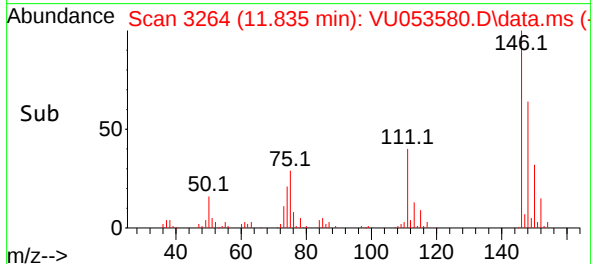
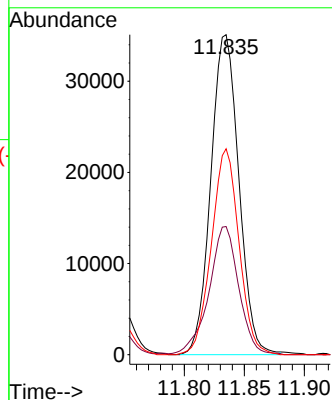
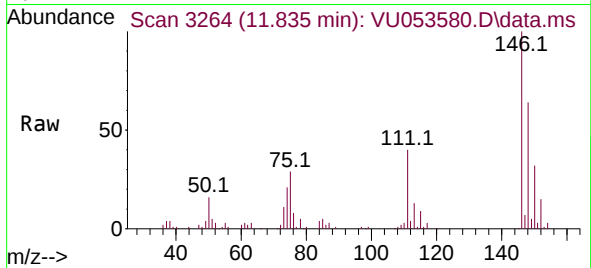




#65
1,4-Dichlorobenzene
Concen: 13.775 ug/L
RT: 11.835 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

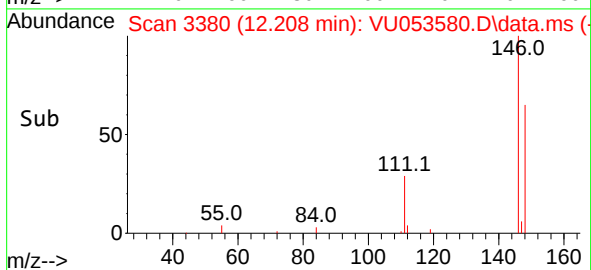
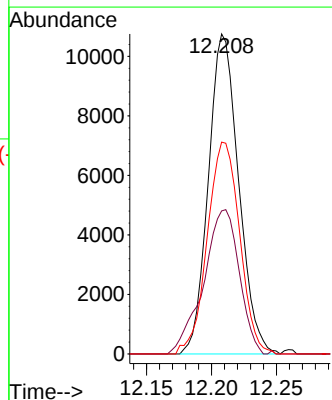
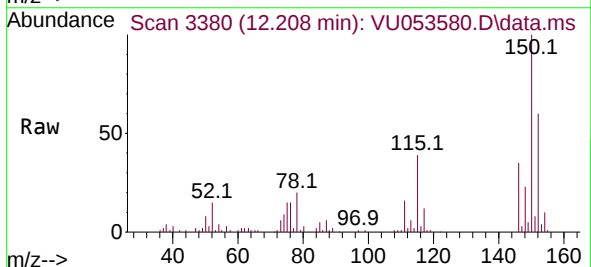
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PMW-5(20230329)DL

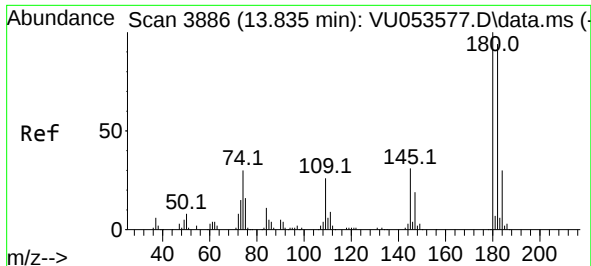
Tgt Ion:146 Resp: 57043
Ion Ratio Lower Upper
146 100
111 40.0 25.1 46.5
148 64.3 44.3 82.3



#67
1,2-Dichlorobenzene
Concen: 4.300 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU053580.D
Acq: 05 Apr 2023 13:10

Tgt Ion:146 Resp: 17414
Ion Ratio Lower Upper
146 100
111 44.7 31.5 47.3
148 66.2 51.6 77.4





#70

1,2,4-trichlorobenzene

Concen: 72.549 ug/L

RT: 13.838 min Scan# 3886

Delta R.T. 0.003 min

Lab File: VU053580.D

Acq: 05 Apr 2023 13:10

Instrument :

MSVOA_U

ClientSampleId :

PMW-5(20230329)DL

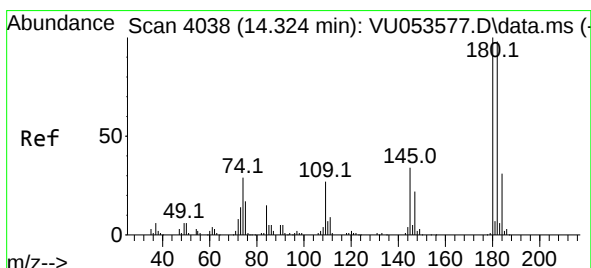
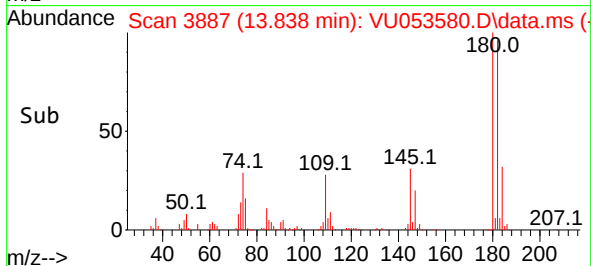
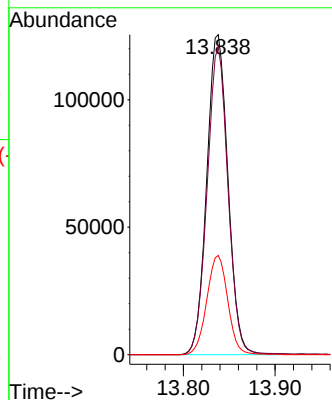
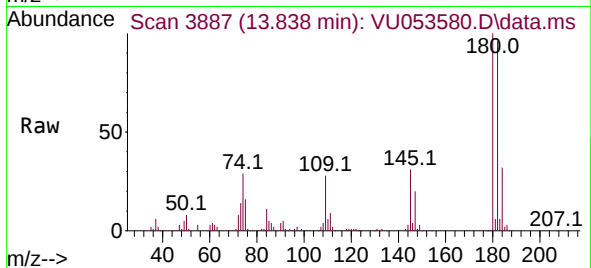
Tgt Ion:180 Resp: 202379

Ion Ratio Lower Upper

180 100

182 94.2 75.8 113.8

145 30.6 23.4 35.2



#72

1,2,3-Trichlorobenzene

Concen: 14.260 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.003 min

Lab File: VU053580.D

Acq: 05 Apr 2023 13:10

Tgt Ion:180 Resp: 39731

Ion Ratio Lower Upper

180 100

182 97.5 77.0 115.6

145 35.9 25.4 38.0

