

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040423\
 Data File : VU053555.D
 Acq On : 04 Apr 2023 12:32
 Operator : JC/MD
 Sample : 02158-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20230329)

Quant Time: Apr 04 13:16:27 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)

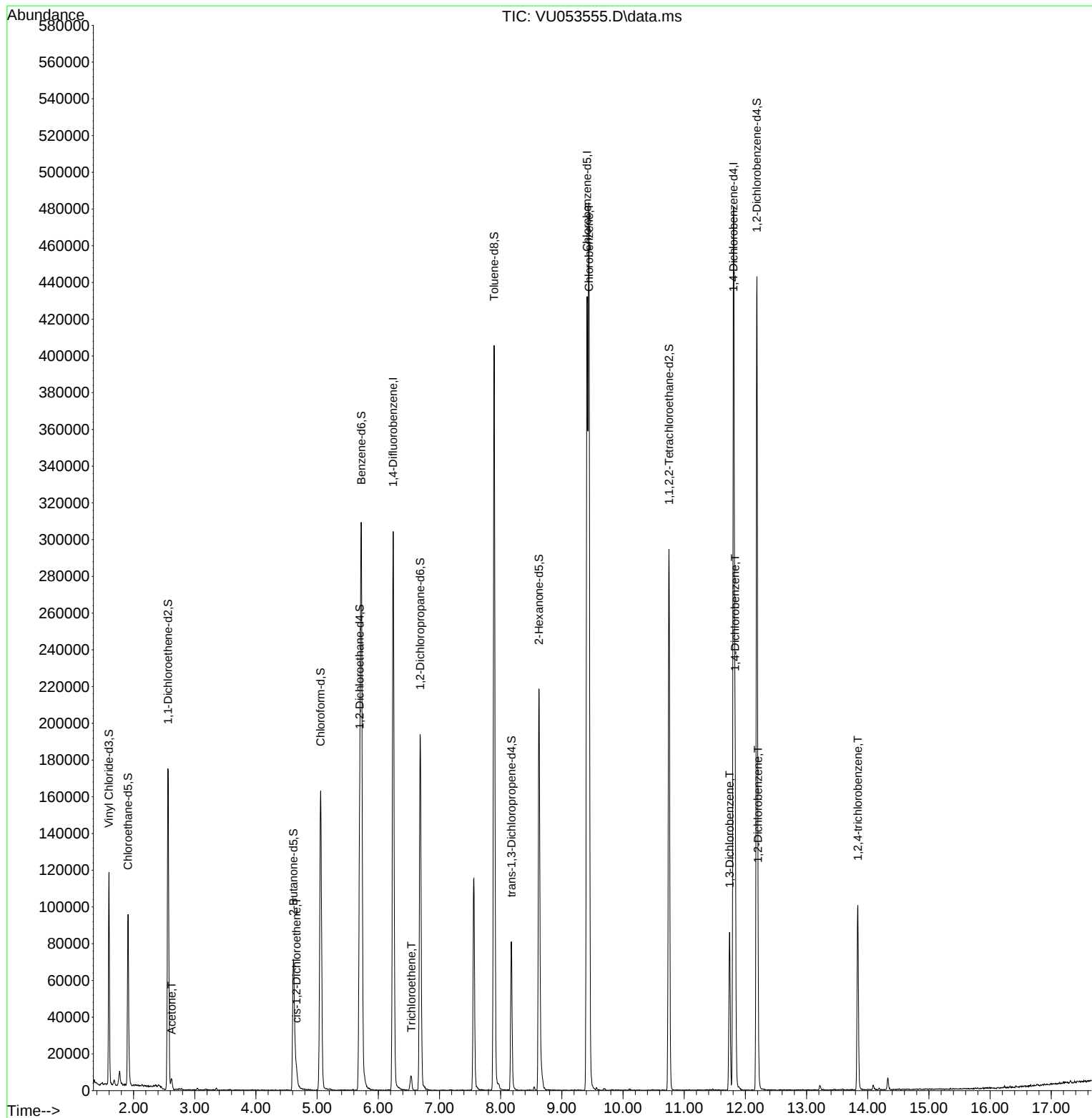
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	261111	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	245013	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	127363	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	79770	39.234	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.460%
7) Chloroethane-d5	1.909	69	70358	44.882	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.760%
11) 1,1-Dichloroethene-d2	2.562	63	99081	31.481	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.960%
21) 2-Butanone-d5	4.613	46	100797	109.499	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.500%
24) Chloroform-d	5.057	84	148478	44.157	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.320%
26) 1,2-Dichloroethane-d4	5.697	65	95352	47.990	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.980%
32) Benzene-d6	5.723	84	301020	45.516	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.040%
36) 1,2-Dichloropropane-d6	6.684	67	96230	47.604	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.200%
41) Toluene-d8	7.893	98	284972	43.353	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.700%
43) trans-1,3-Dichloroprop...	8.176	79	46899	44.945	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.900%
47) 2-Hexanone-d5	8.626	63	79151	114.728	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.730%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	141059	49.509	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.020%
66) 1,2-Dichlorobenzene-d4	12.189	152	115899	43.595	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.200%
Target Compounds						
					Qvalue	
13) Acetone	2.620	43	6454	7.801	ug/L	96
20) cis-1,2-Dichloroethene	4.665	96	4598	2.472	ug/L	94
34) Trichloroethene	6.539	95	1886	0.977	ug/L	91
51) Chlorobenzene	9.443	112	264417	53.049	ug/L	96
64) 1,3-Dichlorobenzene	11.742	146	35614	9.051	ug/L	92
65) 1,4-Dichlorobenzene	11.832	146	70796	17.654	ug/L	96
67) 1,2-Dichlorobenzene	12.208	146	6382	1.627	ug/L #	93
70) 1,2,4-trichlorobenzene	13.838	180	30863	11.425	ug/L	97

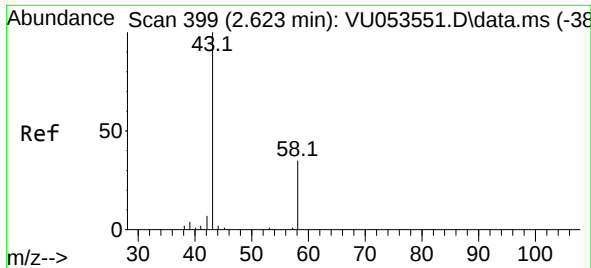
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 01 04:51:17 2023
Response via : Initial Calibration





#13

Acetone

Concen: 7.801 ug/L

RT: 2.620 min Scan# 399

Delta R.T. 0.000 min

Lab File: VU053555.D

Acq: 04 Apr 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

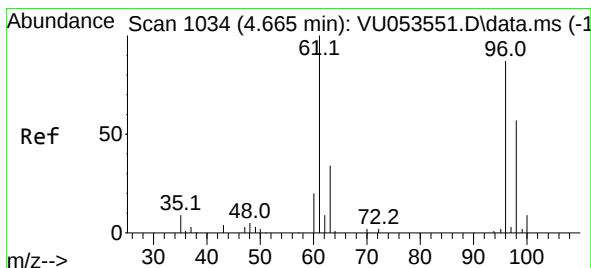
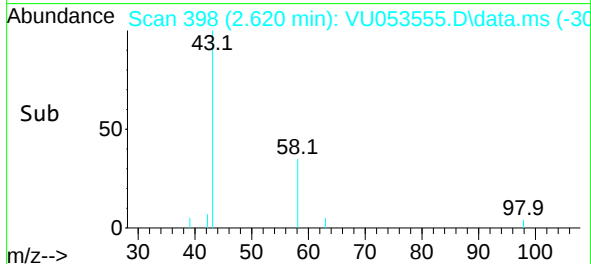
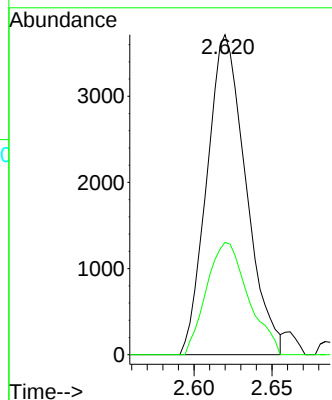
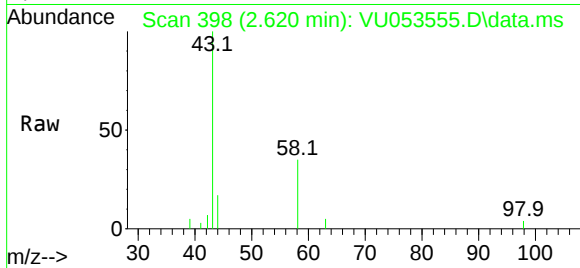
PMW-4(20230329)

Tgt Ion: 43 Resp: 6454

Ion Ratio Lower Upper

43 100

58 37.6 0.0 70.2



#20

cis-1,2-Dichloroethene

Concen: 2.472 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.003 min

Lab File: VU053555.D

Acq: 04 Apr 2023 12:32

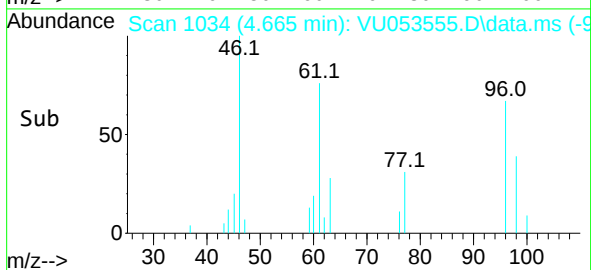
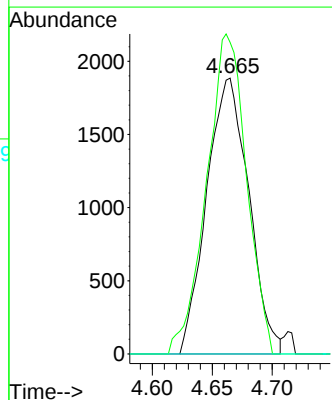
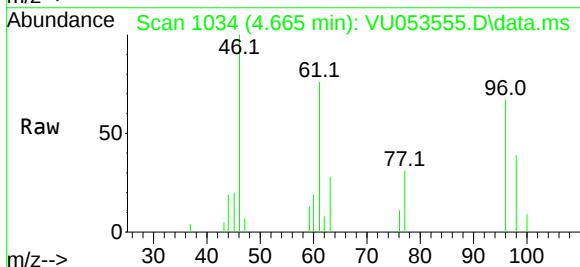
Tgt Ion: 96 Resp: 4598

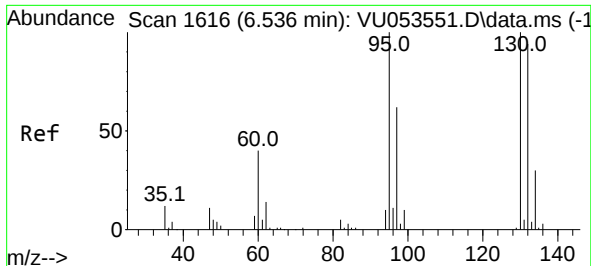
Ion Ratio Lower Upper

96 100

61 112.9 74.7 138.7

68 0.0 0.0 0.0



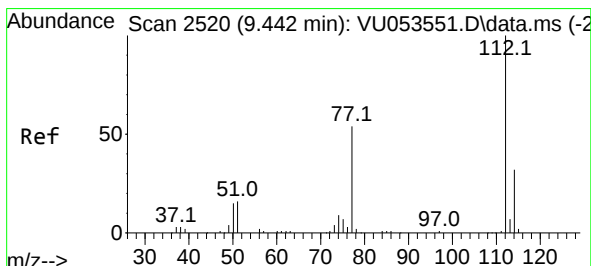
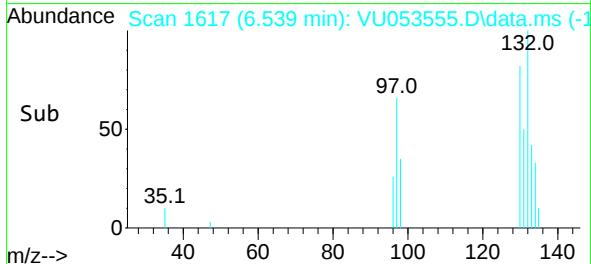
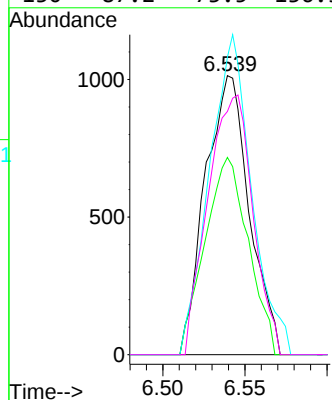
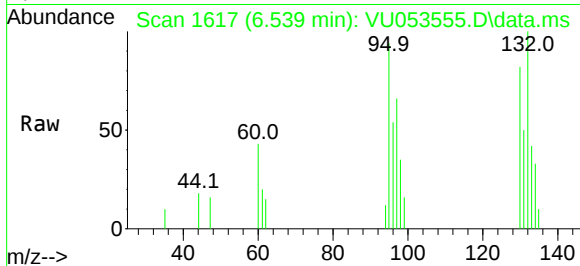


#34
Trichloroethene
Concen: 0.977 ug/L
RT: 6.539 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU053555.D
Acq: 04 Apr 2023 12:32

Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230329)

Tgt Ion: 95 Resp: 1886

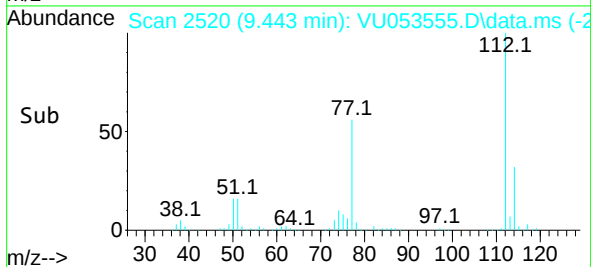
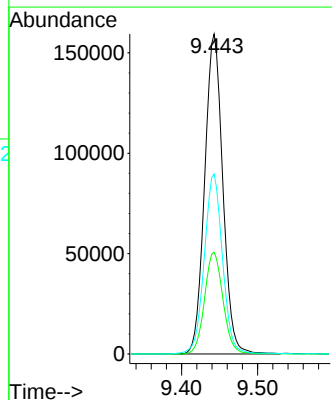
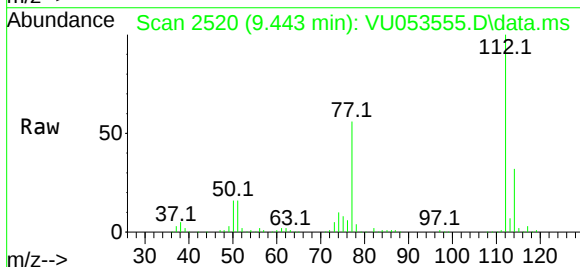
Ion	Ratio	Lower	Upper
95	100		
97	70.7	45.1	83.7
132	106.6	74.1	137.5
130	87.2	73.5	136.5

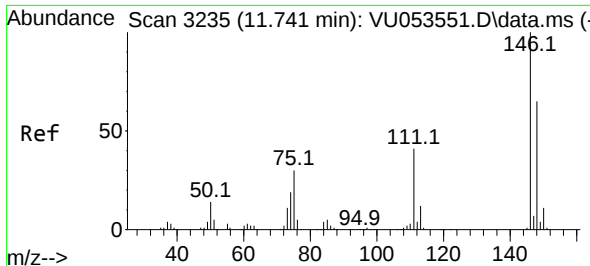


#51
Chlorobenzene
Concen: 53.049 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053555.D
Acq: 04 Apr 2023 12:32

Tgt Ion: 112 Resp: 264417

Ion	Ratio	Lower	Upper
112	100		
114	31.8	22.2	41.2
77	56.3	41.3	61.9

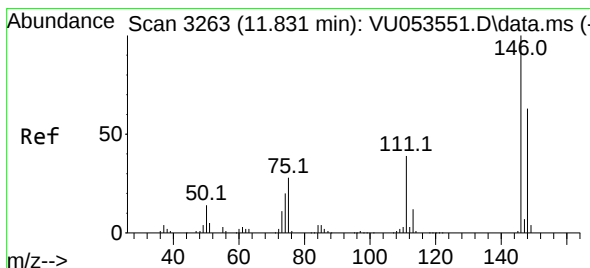
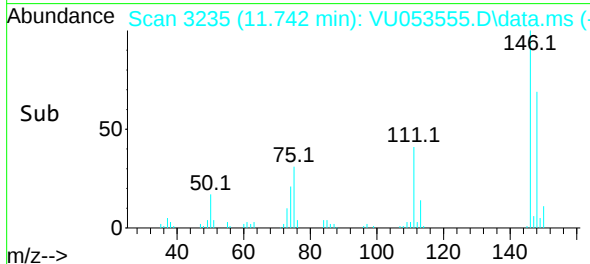
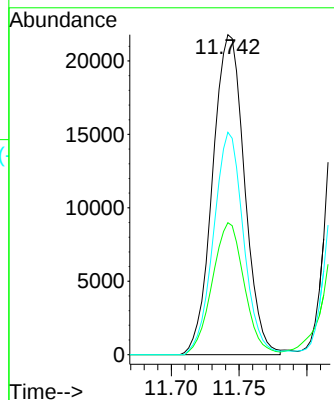
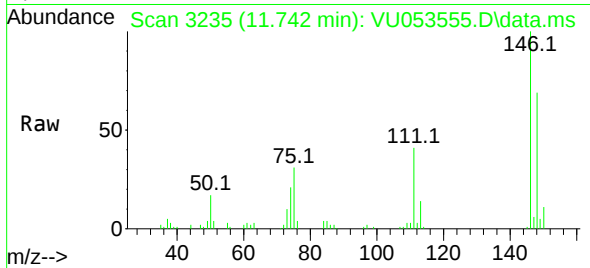




#64
1,3-Dichlorobenzene
Concen: 9.051 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053555.D
Acq: 04 Apr 2023 12:32

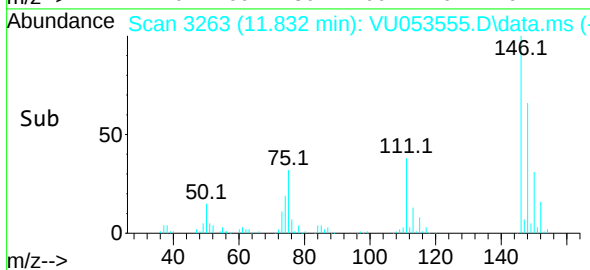
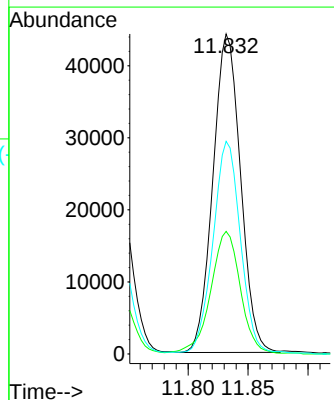
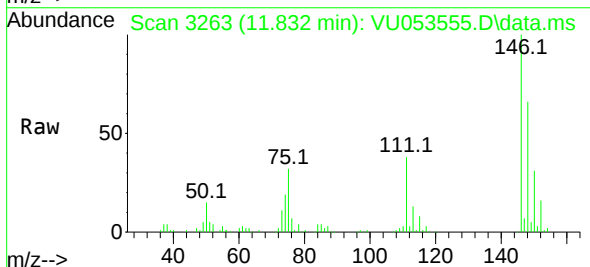
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230329)

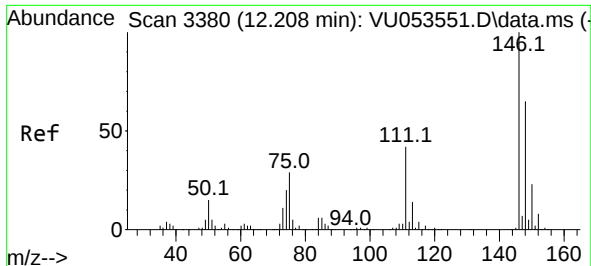
Tgt Ion:146 Resp: 35614
Ion Ratio Lower Upper
146 100
111 41.2 25.7 47.7
148 69.5 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 17.654 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053555.D
Acq: 04 Apr 2023 12:32

Tgt Ion:146 Resp: 70796
Ion Ratio Lower Upper
146 100
111 38.3 25.1 46.5
148 66.5 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 1.627 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053555.D

Acq: 04 Apr 2023 12:32

Instrument :

MSVOA_U

ClientSampleId :

PMW-4(20230329)

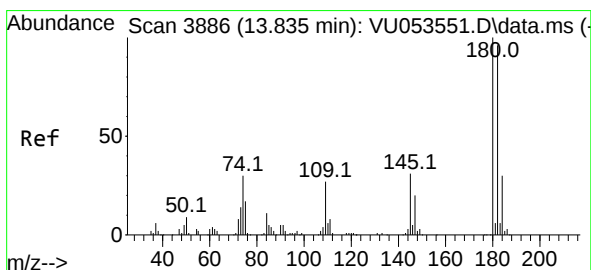
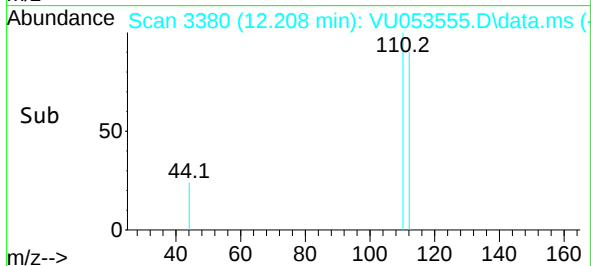
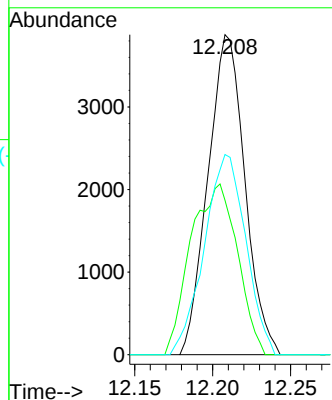
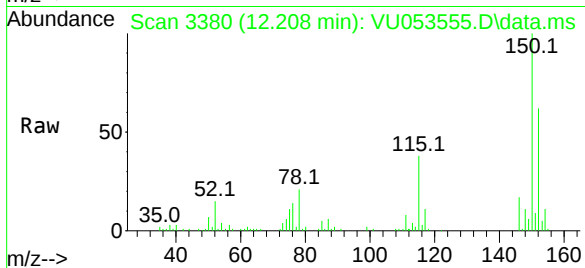
Tgt Ion:146 Resp: 6382

Ion Ratio Lower Upper

146 100

111 48.3 31.5 47.3#

148 62.5 51.6 77.4



#70

1,2,4-trichlorobenzene

Concen: 11.425 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053555.D

Acq: 04 Apr 2023 12:32

Tgt Ion:180 Resp: 30863

Ion Ratio Lower Upper

180 100

182 97.4 75.8 113.8

145 32.0 23.4 35.2

