

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053532.D
 Acq On : 03 Apr 2023 20:00
 Operator : JC/MD
 Sample : 02158-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-1(20230328)

Quant Time: Apr 04 05:19:30 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)

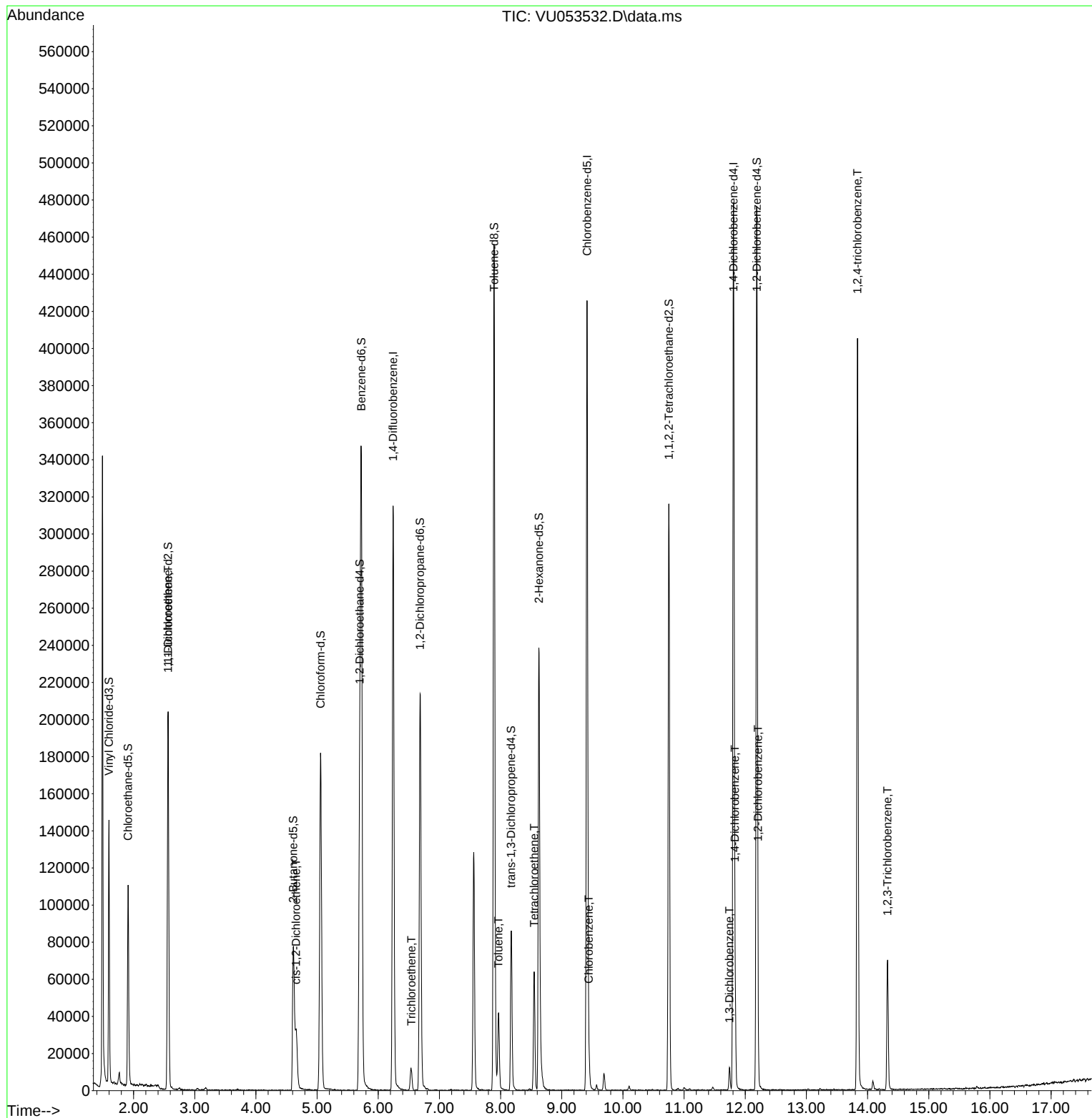
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	269854	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	247492	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	128682	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	96811	46.073	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 92.140%			
7) Chloroethane-d5	1.909	69	82310	50.805	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 101.600%			
11) 1,1-Dichloroethene-d2	2.565	63	116604	35.849	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 71.700%			
21) 2-Butanone-d5	4.610	46	110681	116.341	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 116.340%			
24) Chloroform-d	5.057	84	164431	47.317	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.640%			
26) 1,2-Dichloroethane-d4	5.697	65	106337	51.785	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.560%			
32) Benzene-d6	5.722	84	342253	51.232	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.460%			
36) 1,2-Dichloropropane-d6	6.684	67	106314	52.066	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 104.140%			
41) Toluene-d8	7.893	98	318991	48.042	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.080%			
43) trans-1,3-Dichloroprop...	8.172	79	51730	49.079	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.160%			
47) 2-Hexanone-d5	8.626	63	86206	123.703	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 123.700%			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	154196	53.578	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 107.160%			
66) 1,2-Dichlorobenzene-d4	12.188	152	126847	47.224	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 94.440%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.562	96	1080	0.652	ug/L #	1
20) cis-1,2-Dichloroethene	4.658	96	14346	7.464	ug/L	97
34) Trichloroethene	6.542	95	3644	1.868	ug/L	97
42) Toluene	7.967	91	30937	4.234	ug/L	98
46) Tetrachloroethene	8.549	164	13709	8.471	ug/L	94
51) Chlorobenzene	9.443	112	8127	1.614	ug/L	95
64) 1,3-Dichlorobenzene	11.741	146	5895	1.483	ug/L	96
65) 1,4-Dichlorobenzene	11.831	146	24537	6.056	ug/L	93
67) 1,2-Dichlorobenzene	12.208	146	4123	1.041	ug/L #	79
70) 1,2,4-trichlorobenzene	13.835	180	125758	46.076	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	22543	8.269	ug/L	99

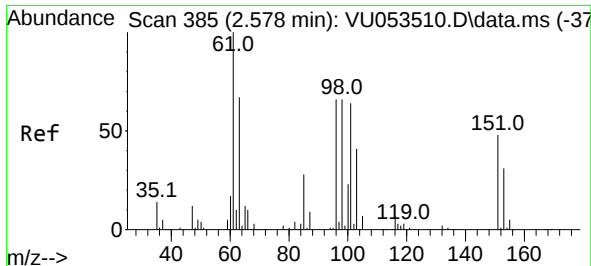
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#12

1,1-Dichloroethene

Concen: 0.652 ug/L

RT: 2.562 min Scan# 380

Delta R.T. -0.016 min

Lab File: VU053532.D

Acq: 03 Apr 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

PMW-1(20230328)

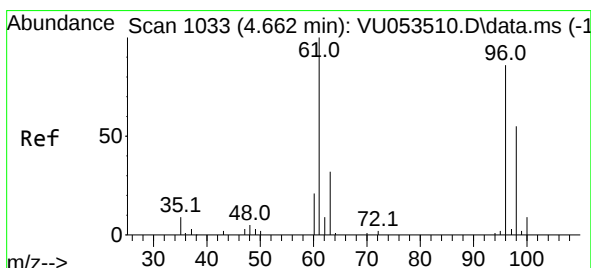
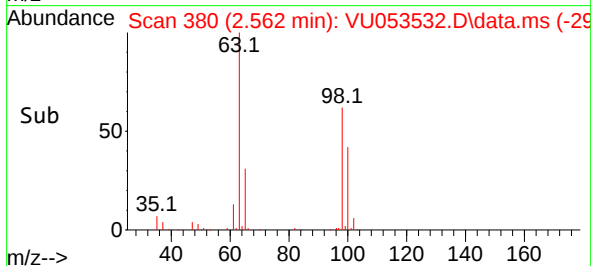
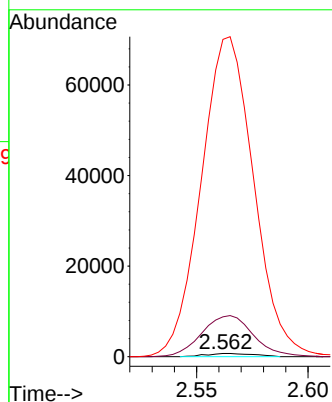
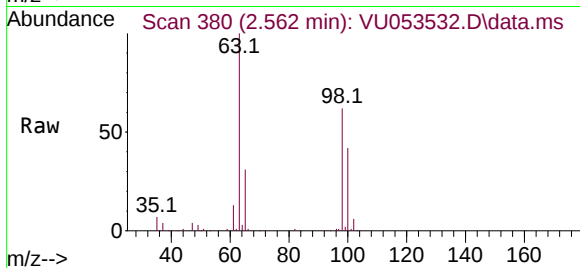
Tgt Ion: 96 Resp: 1080

Ion Ratio Lower Upper

96 100

61 1240.3 107.9 200.5#

63 9885.5 79.1 146.9#



#20

cis-1,2-Dichloroethene

Concen: 7.464 ug/L

RT: 4.658 min Scan# 1032

Delta R.T. -0.003 min

Lab File: VU053532.D

Acq: 03 Apr 2023 20:00

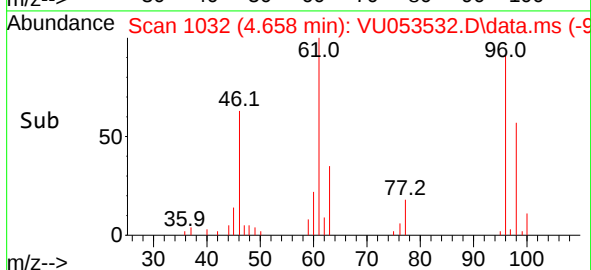
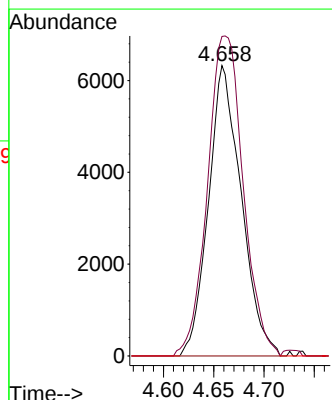
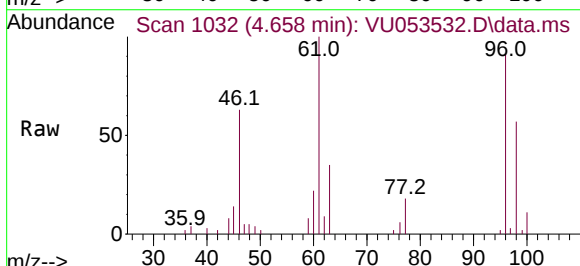
Tgt Ion: 96 Resp: 14346

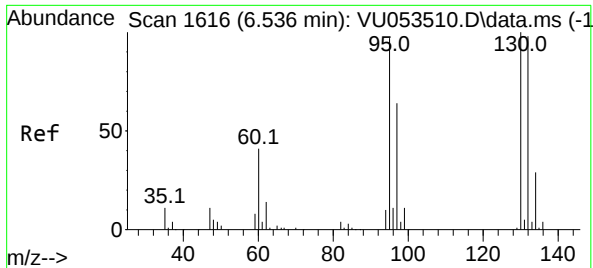
Ion Ratio Lower Upper

96 100

61 110.1 74.7 138.7

68 0.0 0.0 0.0

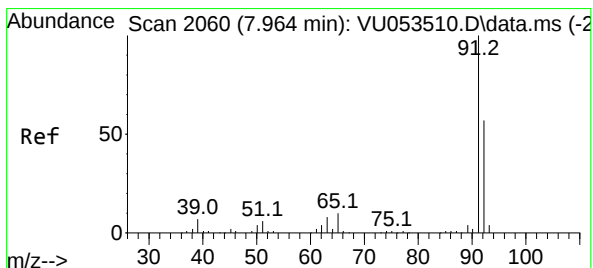
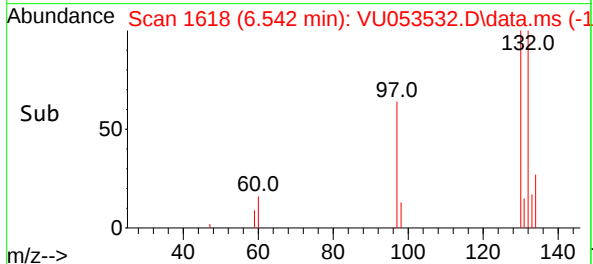
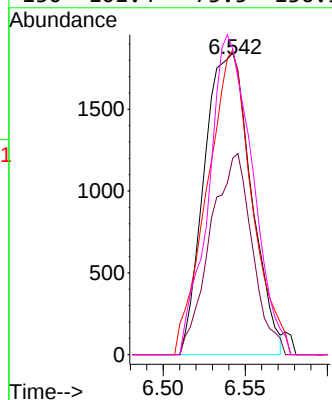
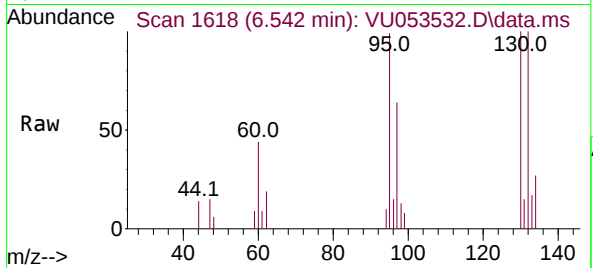




#34
Trichloroethene
Concen: 1.868 ug/L
RT: 6.542 min Scan# 1
Delta R.T. 0.006 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

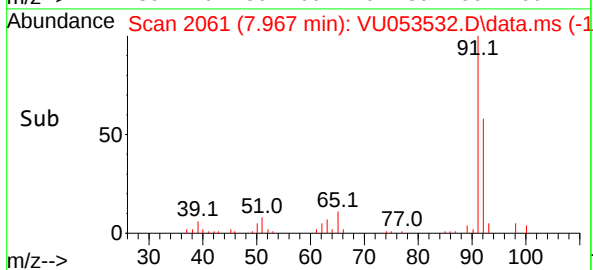
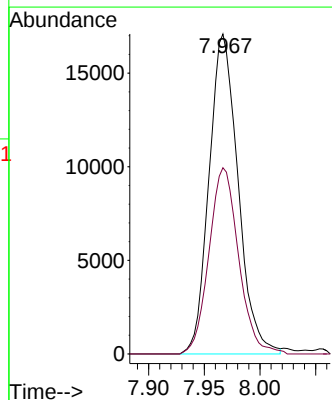
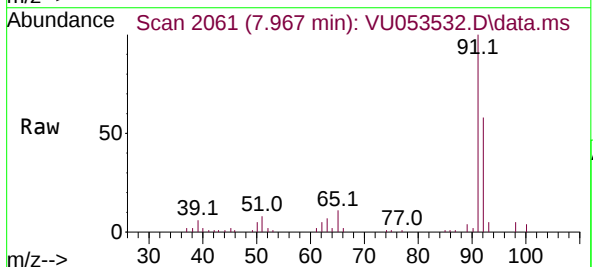
Instrument :
MSVOA_U
ClientSampleId :
PMW-1(20230328)

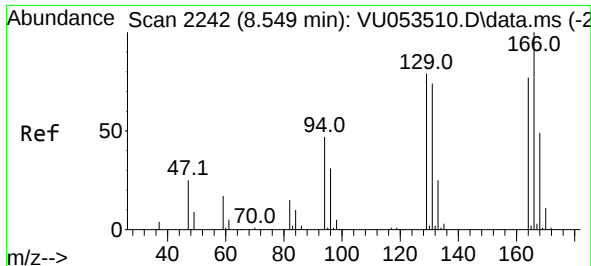
Tgt Ion: 95 Resp: 3644
Ion Ratio Lower Upper
95 100
97 65.1 45.1 83.7
132 101.0 74.1 137.5
130 101.4 73.5 136.5



#42
Toluene
Concen: 4.234 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

Tgt Ion: 91 Resp: 30937
Ion Ratio Lower Upper
91 100
92 58.2 39.8 73.8

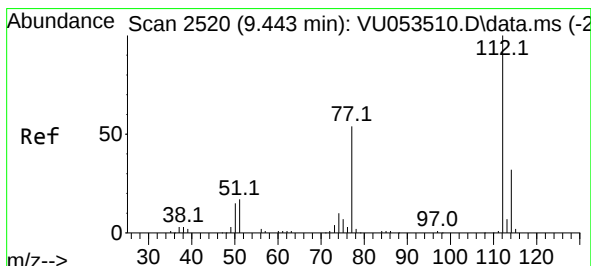
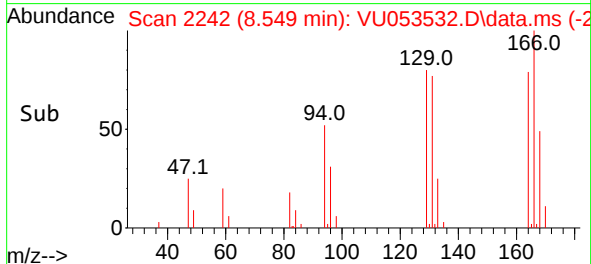
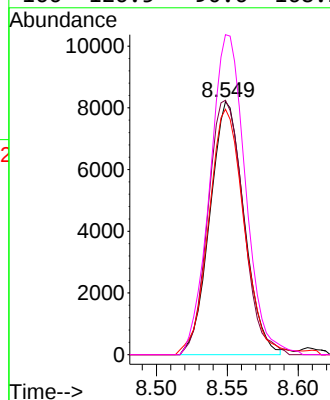
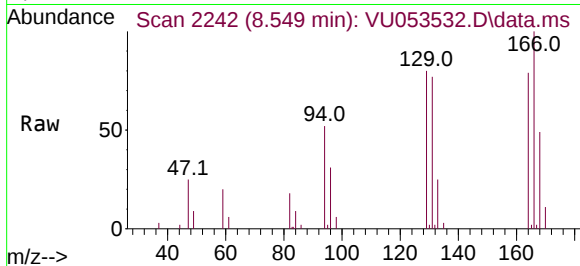




#46
Tetrachloroethene
Concen: 8.471 ug/L
RT: 8.549 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

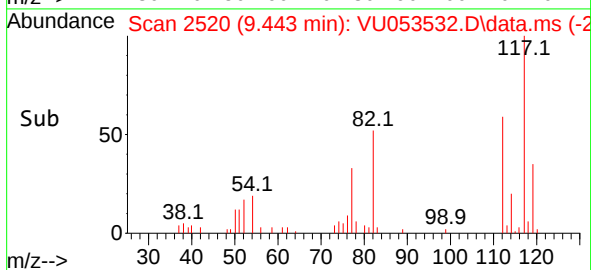
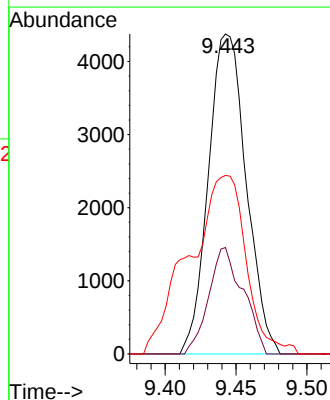
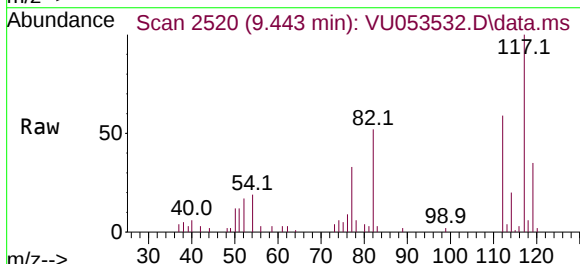
Instrument :
MSVOA_U
ClientSampleId :
PMW-1(20230328)

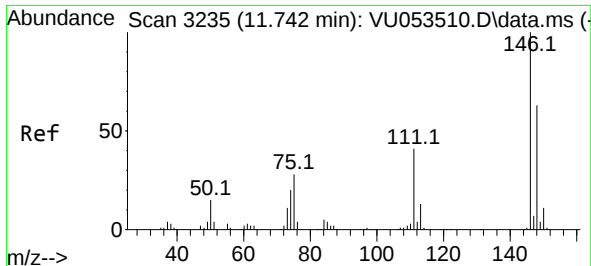
Tgt Ion:164	Resp:	13709
Ion	Ratio	Lower Upper
164	100	
129	100.6	64.0 119.0
131	97.0	61.9 115.1
166	126.5	90.6 168.2



#51
Chlorobenzene
Concen: 1.614 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

Tgt Ion:112	Resp:	8127
Ion	Ratio	Lower Upper
112	100	
114	33.2	22.2 41.2
77	55.8	41.3 61.9

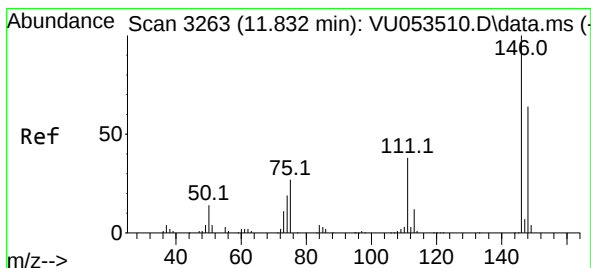
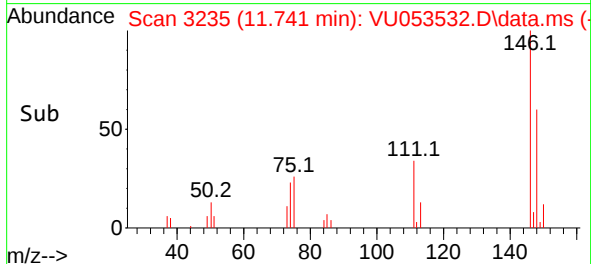
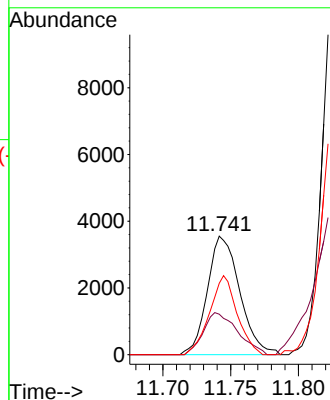
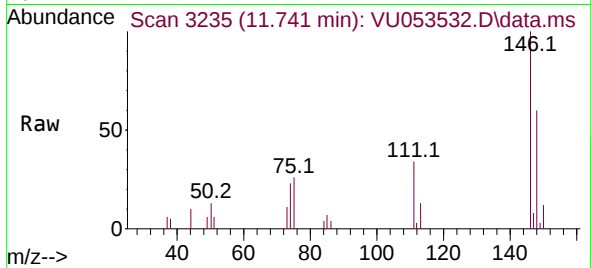




#64
1,3-Dichlorobenzene
Concen: 1.483 ug/L
RT: 11.741 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

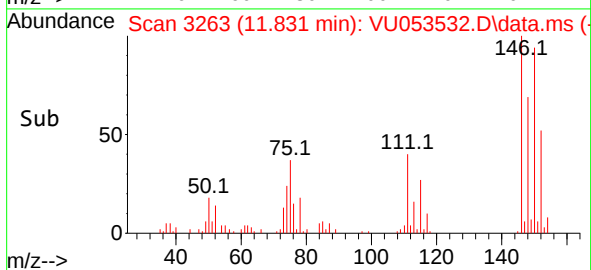
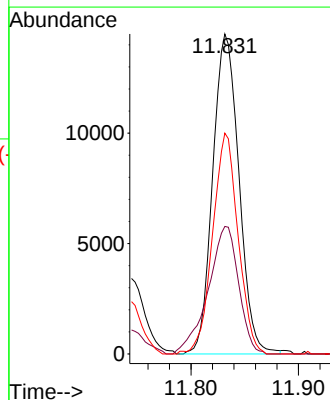
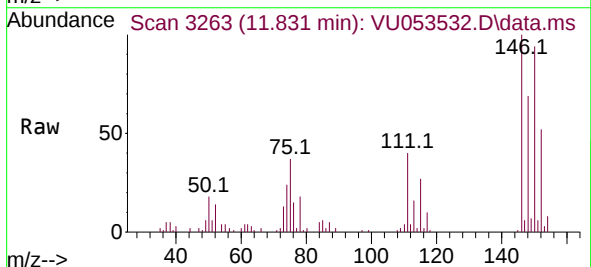
Instrument :
MSVOA_U
ClientSampleId :
PMW-1(20230328)

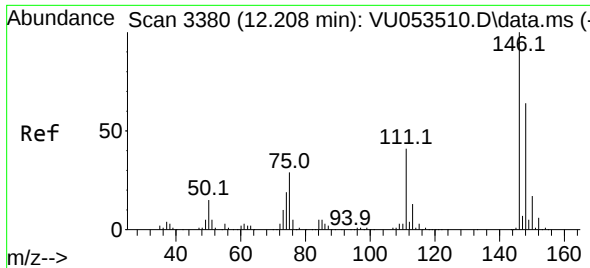
Tgt Ion:146 Resp: 5895
Ion Ratio Lower Upper
146 100
111 34.1 25.7 47.7
148 60.2 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 6.056 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

Tgt Ion:146 Resp: 24537
Ion Ratio Lower Upper
146 100
111 39.8 25.1 46.5
148 69.0 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 1.041 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053532.D

Acq: 03 Apr 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

PMW-1(20230328)

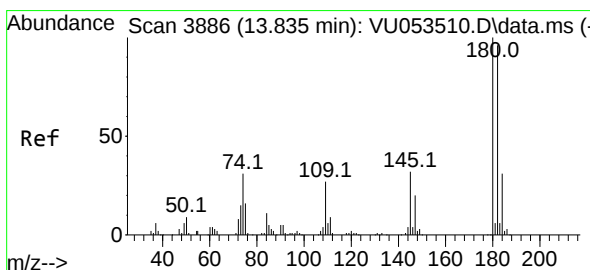
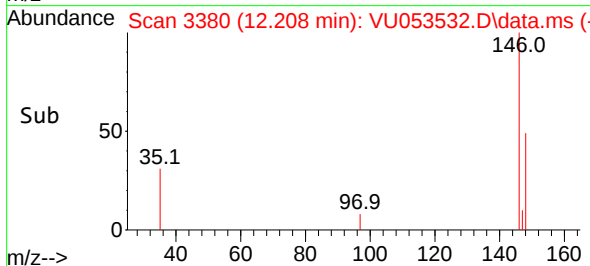
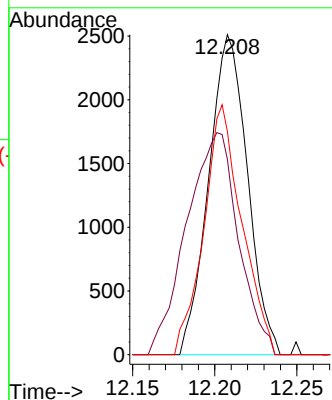
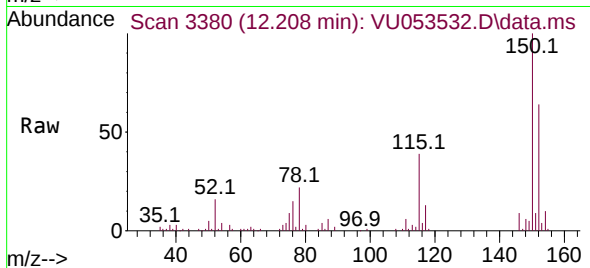
Tgt Ion:146 Resp: 4123

Ion Ratio Lower Upper

146 100

111 66.5 31.5 47.3#

148 69.8 51.6 77.4



#70

1,2,4-trichlorobenzene

Concen: 46.076 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU053532.D

Acq: 03 Apr 2023 20:00

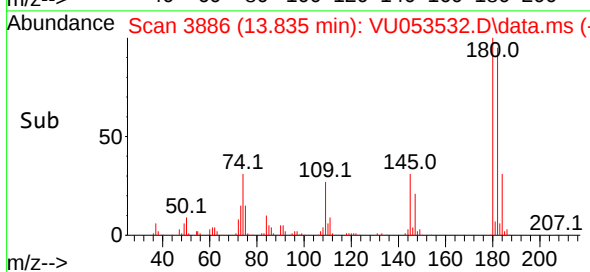
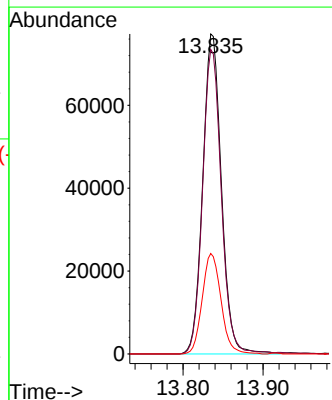
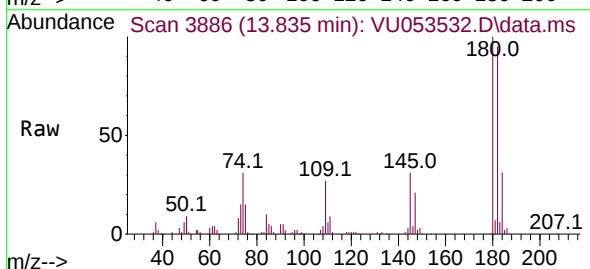
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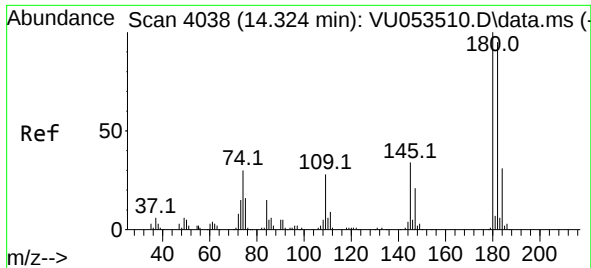
Ion Ratio Lower Upper

180 100

182 94.8 75.8 113.8

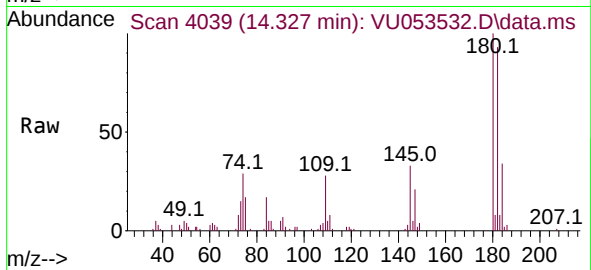
145 31.5 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 8.269 ug/L
 RT: 14.327 min Scan# 4039
 Delta R.T. 0.003 min
 Lab File: VU053532.D
 Acq: 03 Apr 2023 20:00

Instrument :
 MSVOA_U
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 PMW-1(20230328)



Tgt Ion:180 Resp: 22543
 Ion Ratio Lower Upper
 180 100
 182 94.5 77.0 115.6
 145 32.0 25.4 38.0

