

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
10) 1,1,2-Trichloro-1,2,2-...	2.562	101	1166	0.628	ug/L #	17
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
37) 1,2-Dichloropropane	6.687	63	12061	7.366	ug/L #	86
39) cis-1,3-Dichloropropene	7.562	75	3369	1.259	ug/L #	67
42) Toluene	7.967	91	30937	4.234	ug/L	98
44) trans-1,3-Dichloropropene	8.179	75	2489	0.984	ug/L #	83
46) Tetrachloroethene	8.549	164	13709	8.471	ug/L	94
49) Dibromochloromethane	8.549	129	14305	7.653	ug/L #	11
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
69) 1,3,5-Trichlorobenzene	13.835	180	125758	42.718	ug/L	99
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

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QLast Update : Sat Apr 01 04:51:17 2023
Response via : Initial Calibration

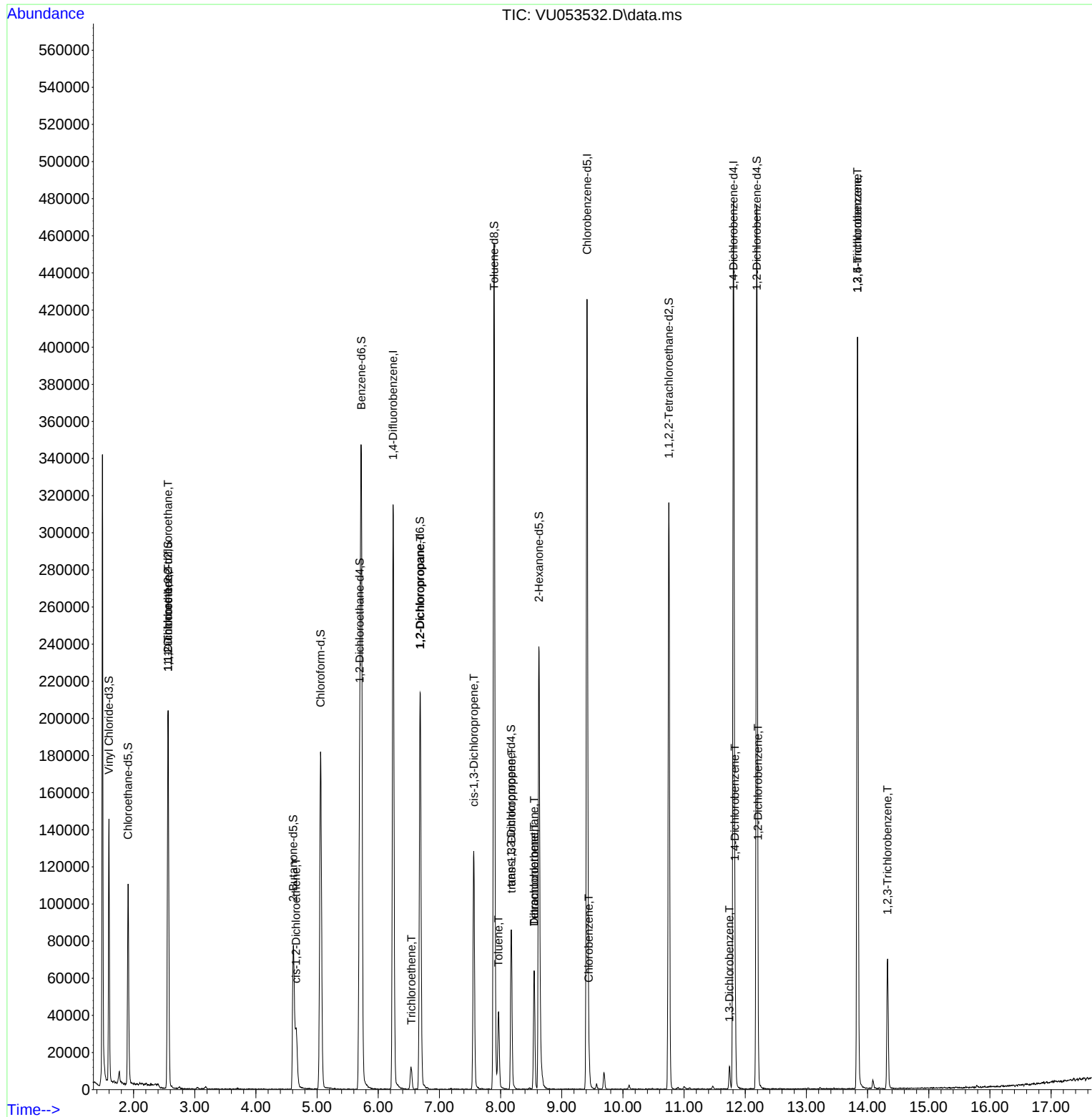
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

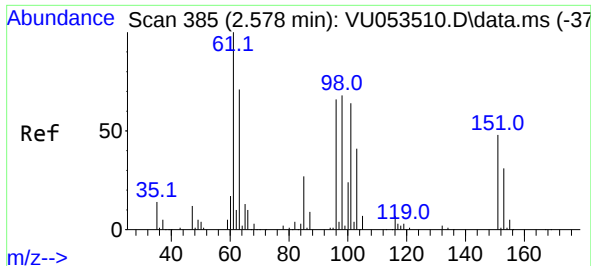
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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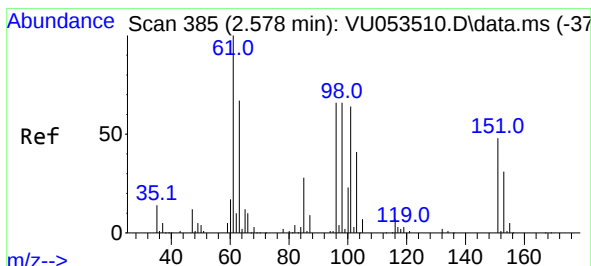
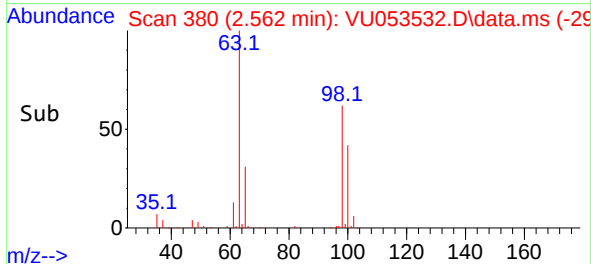
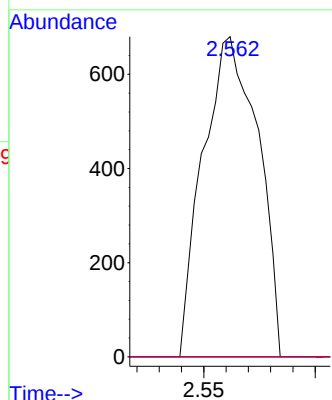
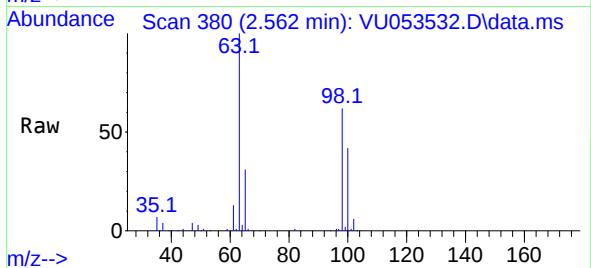




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.628 ug/L
RT: 2.562 min Scan# 380
Delta R.T. -0.016 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

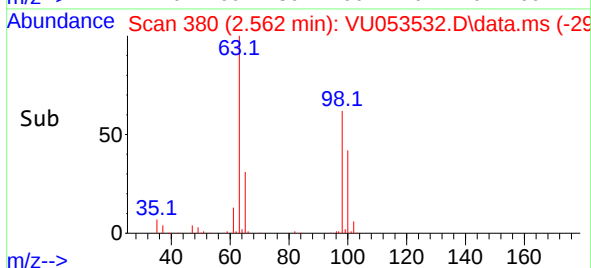
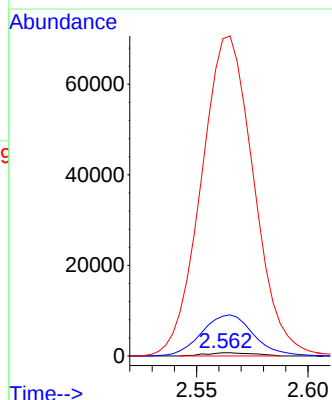
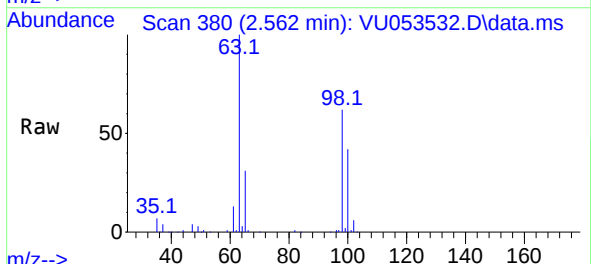
Instrument :
MSVOA_U
ClientSampleId :
PMW-1(20230328)

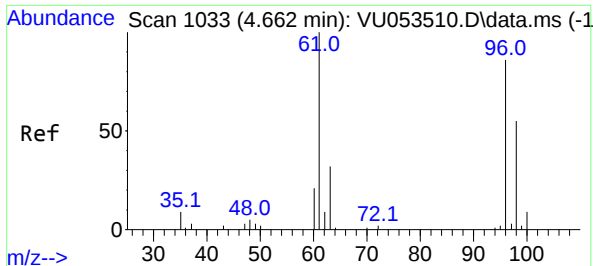
Tgt Ion:101 Resp: 1166
Ion Ratio Lower Upper
101 100
85 0.0 32.6 48.8#
151 0.0 65.8 98.6#



#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

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#



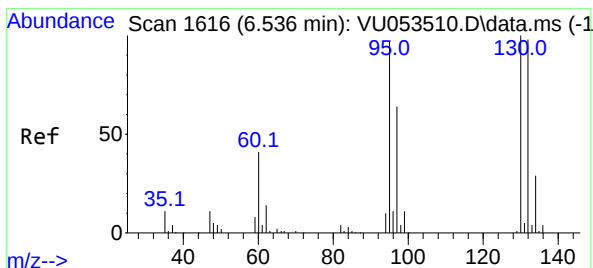
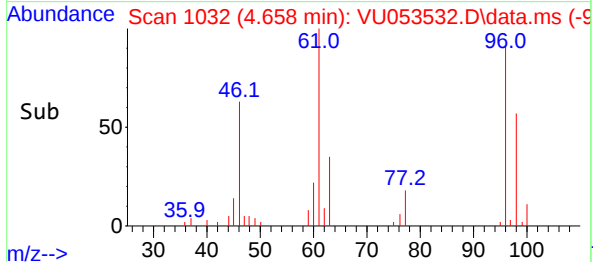
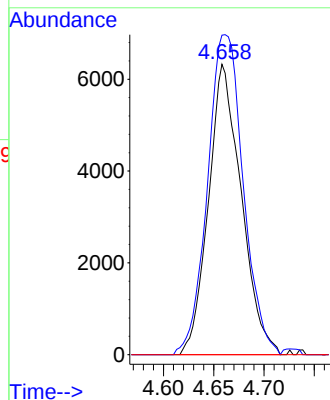
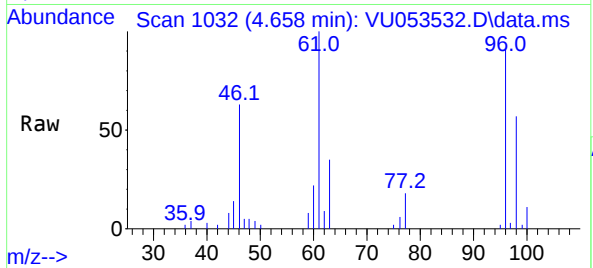


cis-1,2-Dichloroethene
 Concen: 7.464 ug/L
 RT: 4.658 min Scan# 1032
 Delta R.T. -0.003 min
 Lab File: VU053532.D
 Acq: 03 Apr 2023 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-1(20230328)

Tgt Ion: 96 Resp: 14346

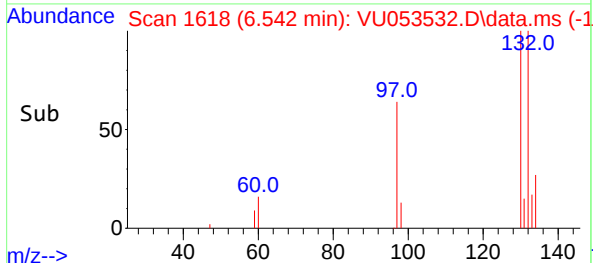
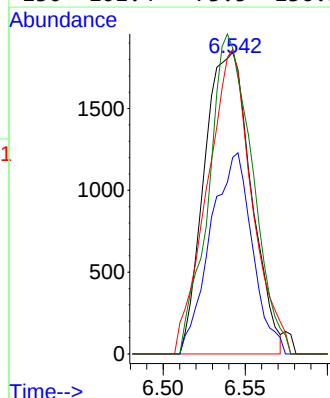
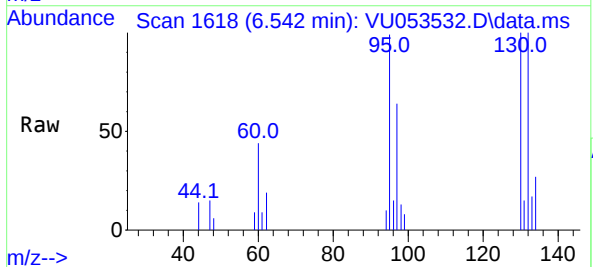
Ion	Ratio	Lower	Upper
96	100		
61	110.1	74.7	138.7
68	0.0	0.0	0.0

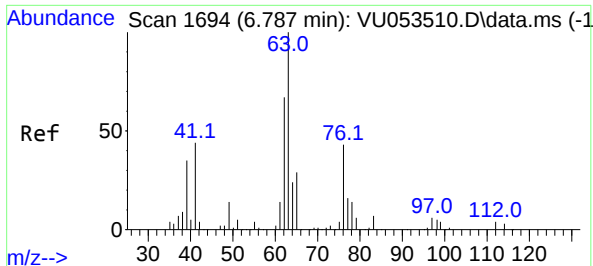


Trichloroethene
 Concen: 1.868 ug/L
 RT: 6.542 min Scan# 1618
 Delta R.T. 0.006 min
 Lab File: VU053532.D
 Acq: 03 Apr 2023 20:00

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

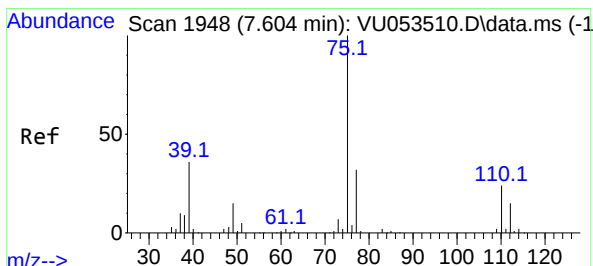
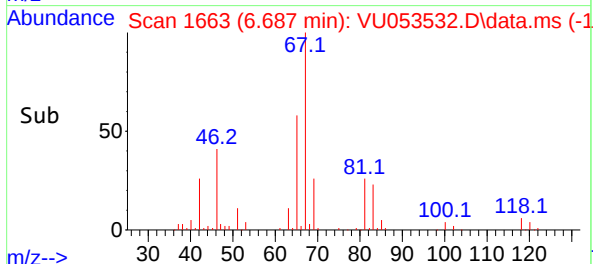
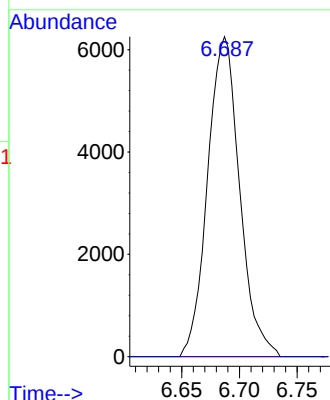
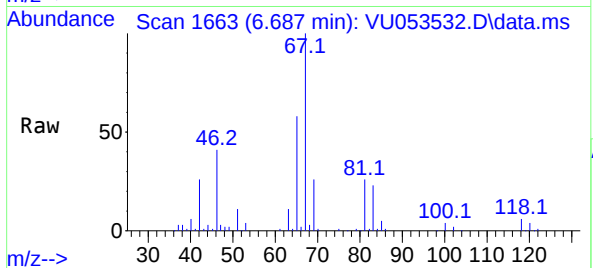




#37
1,2-Dichloropropane
Concen: 7.366 ug/L
RT: 6.687 min Scan# 1
Delta R.T. -0.097 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

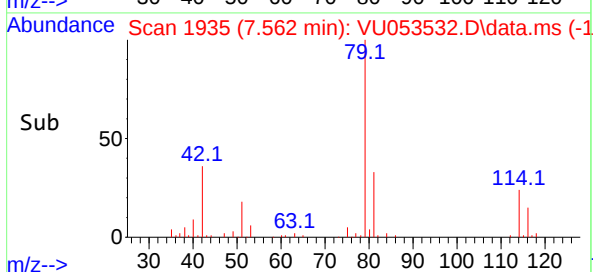
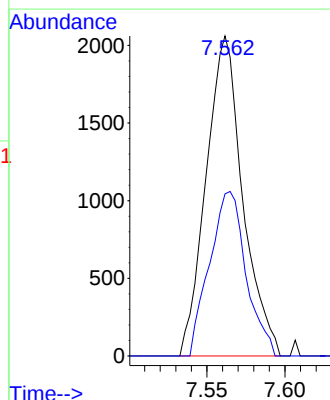
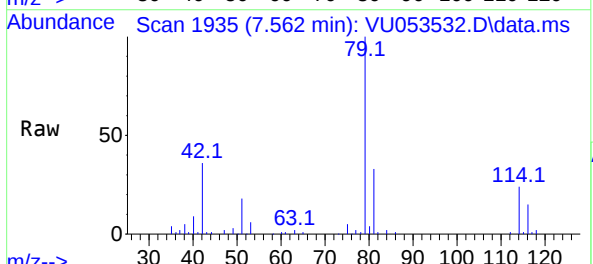
Instrument :
MSVOA_U
ClientSampleId :
PMW-1(20230328)

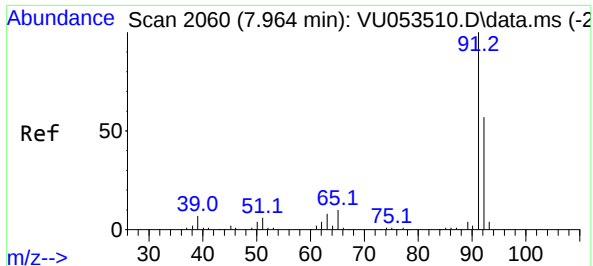
Tgt Ion: 63 Resp: 12061
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



#39
cis-1,3-Dichloropropene
Concen: 1.259 ug/L
RT: 7.562 min Scan# 1935
Delta R.T. -0.039 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

Tgt Ion: 75 Resp: 3369
Ion Ratio Lower Upper
75 100
77 50.7 22.5 41.7#





#42

Toluene

Concen: 4.234 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053532.D

Acq: 03 Apr 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

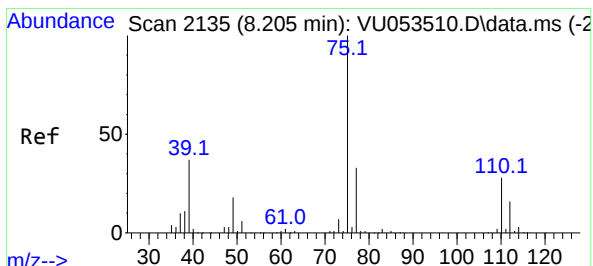
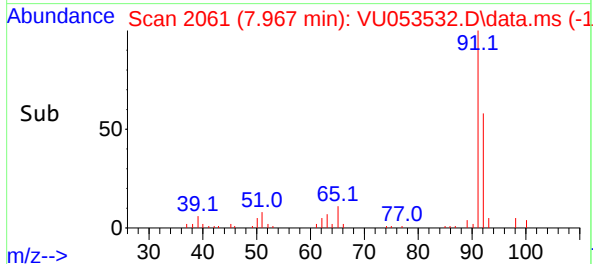
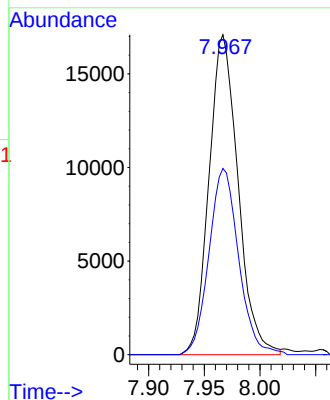
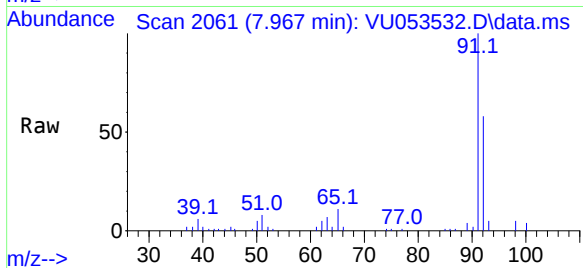
PMW-1(20230328)

Tgt Ion: 91 Resp: 30937

Ion Ratio Lower Upper

91 100

92 58.2 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 0.984 ug/L

RT: 8.179 min Scan# 2127

Delta R.T. -0.026 min

Lab File: VU053532.D

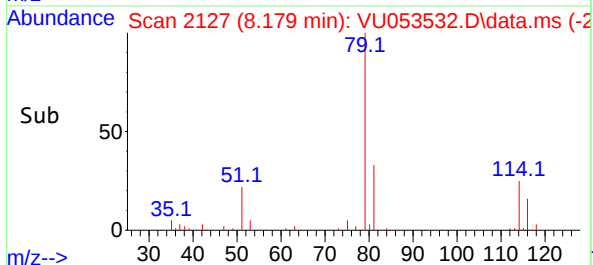
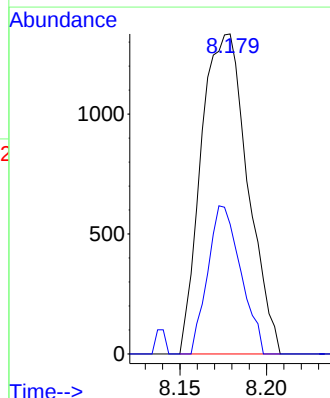
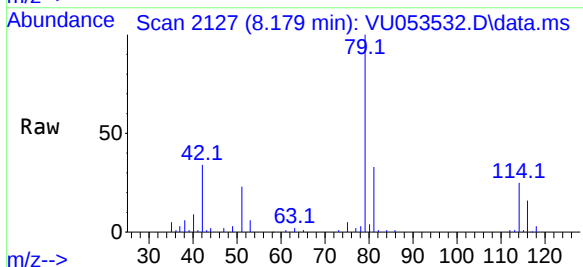
Acq: 03 Apr 2023 20:00

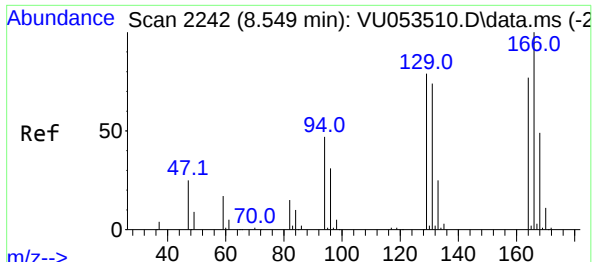
Tgt Ion: 75 Resp: 2489

Ion Ratio Lower Upper

75 100

77 40.6 21.8 40.4#

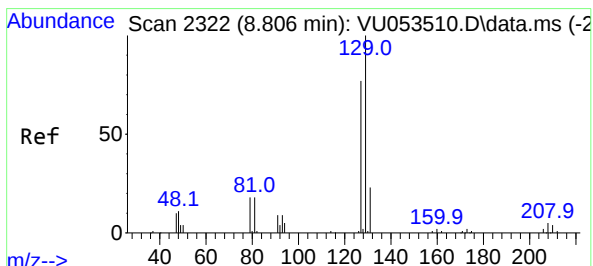
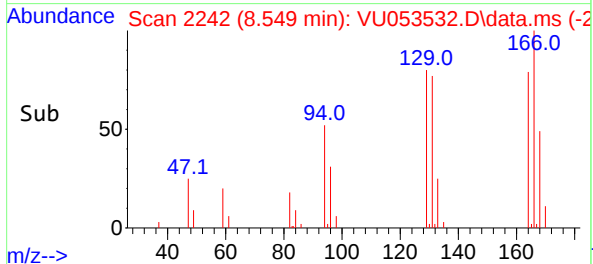
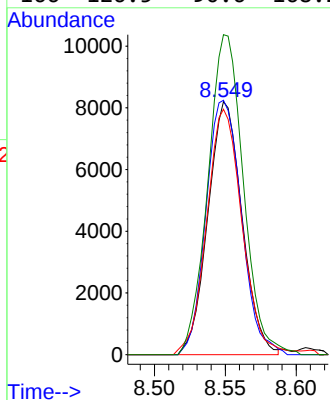
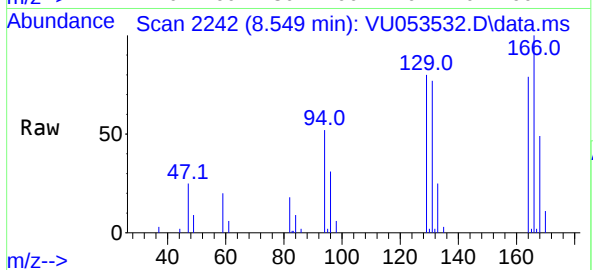




#46
Tetrachloroethene
Concen: 8.471 ug/L
RT: 8.549 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

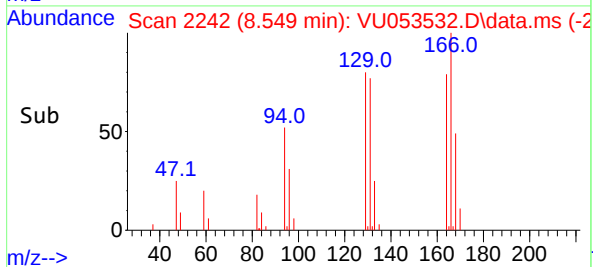
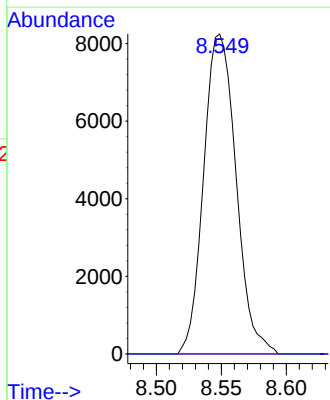
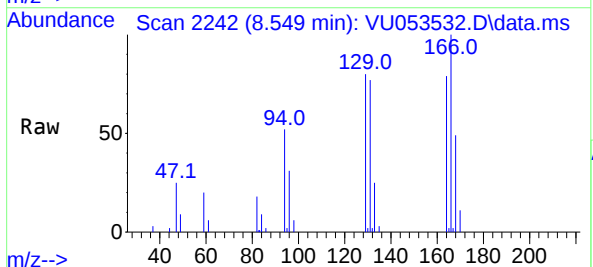
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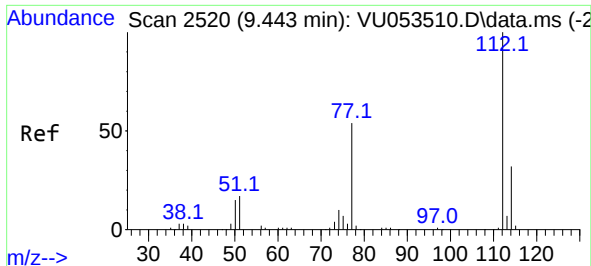
Tgt Ion:164 Resp: 13709
Ion Ratio Lower Upper
164 100
129 100.6 64.0 119.0
131 97.0 61.9 115.1
166 126.5 90.6 168.2



#49
Dibromochloromethane
Concen: 7.653 ug/L
RT: 8.549 min Scan# 2242
Delta R.T. -0.254 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

Tgt Ion:129 Resp: 14305
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.3#

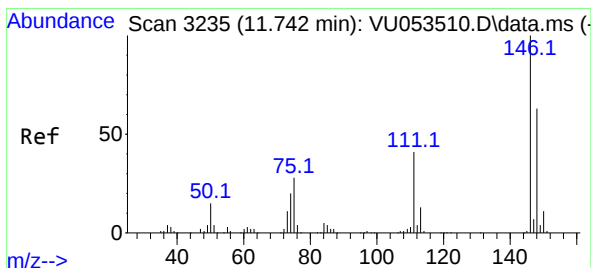
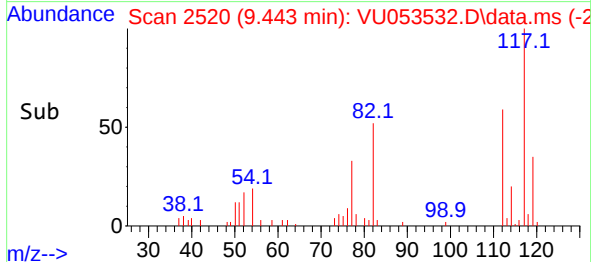
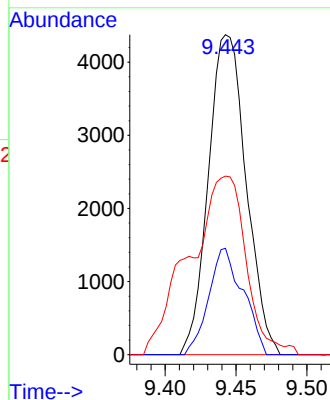
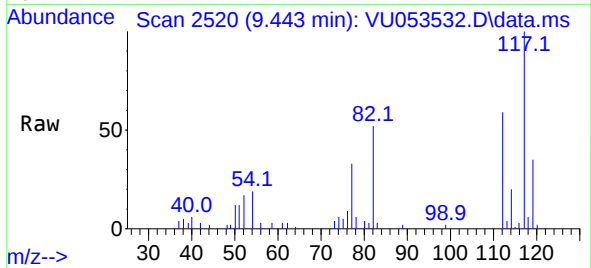




#51
Chlorobenzene
Concen: 1.614 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

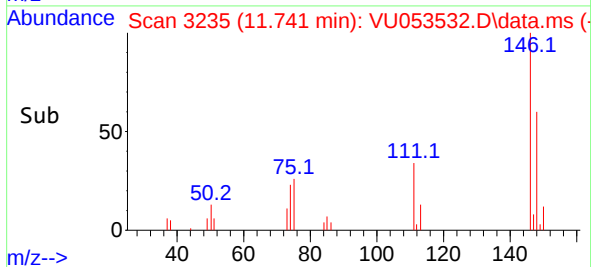
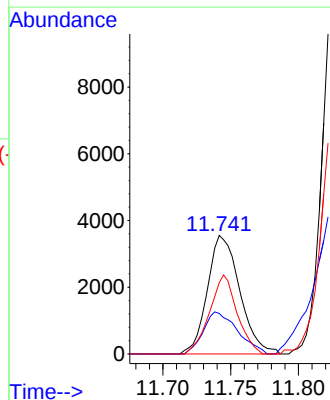
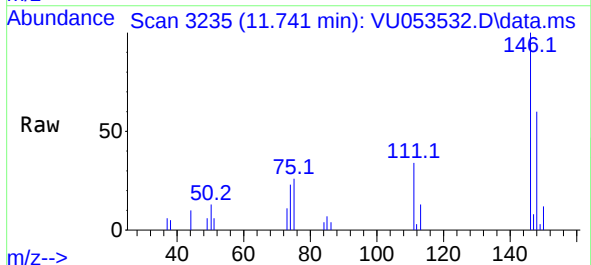
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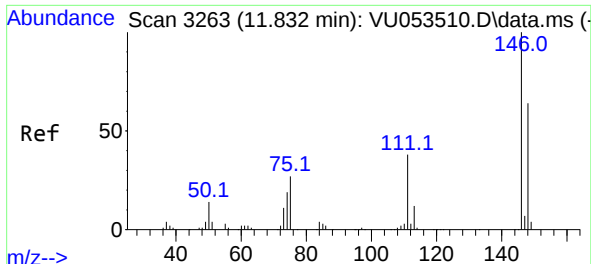
Tgt Ion:112	Resp:	8127
Ion	Ratio	Lower Upper
112	100	
114	33.2	22.2 41.2
77	55.8	41.3 61.9



#64
1,3-Dichlorobenzene
Concen: 1.483 ug/L
RT: 11.741 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

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

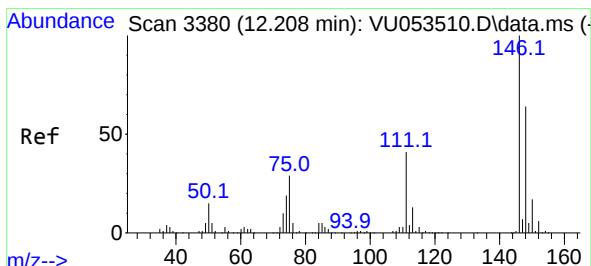
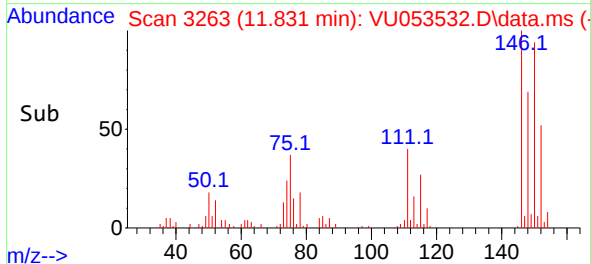
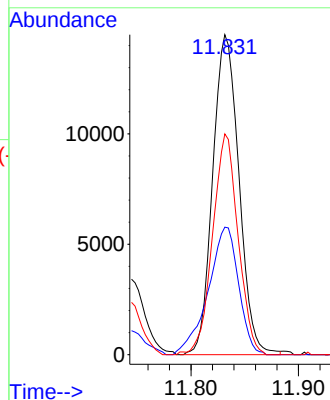
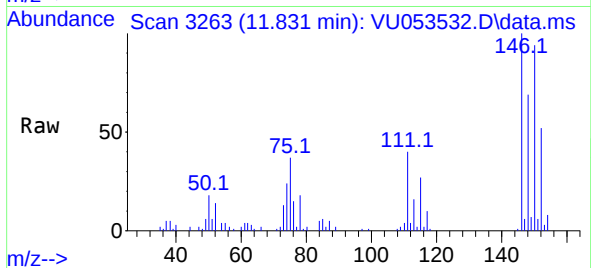




#65
1,4-Dichlorobenzene
Concen: 6.056 ug/L
RT: 11.831 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

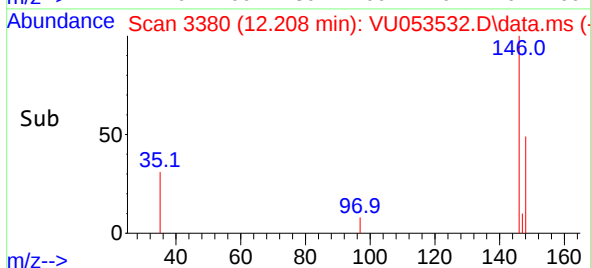
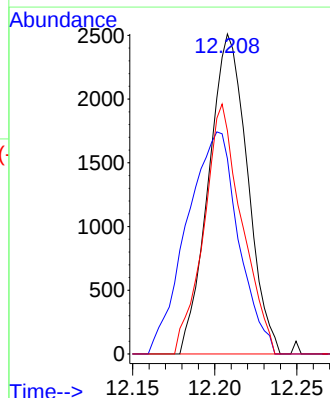
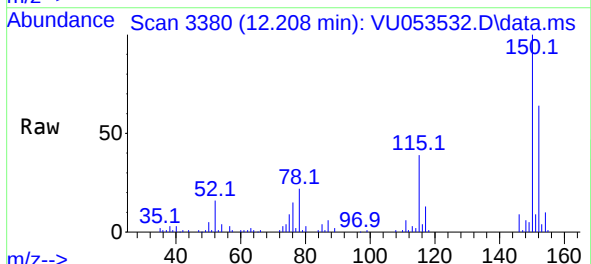
Instrument :
MSVOA_U
ClientSampleId :
PMW-1(20230328)

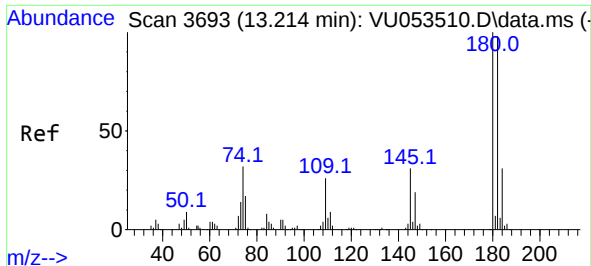
Tgt Ion:146 Resp: 24537
Ion Ratio Lower Upper
146 100
111 39.8 25.1 46.5
148 69.0 44.3 82.3



#67
1,2-Dichlorobenzene
Concen: 1.041 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU053532.D
Acq: 03 Apr 2023 20:00

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



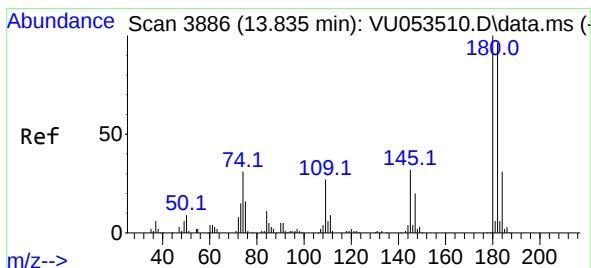
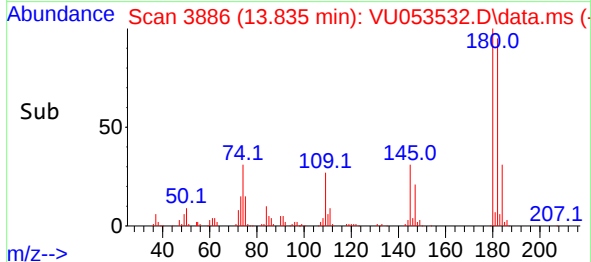
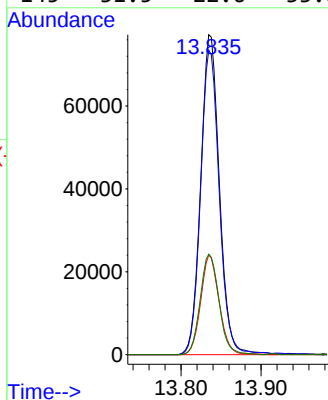
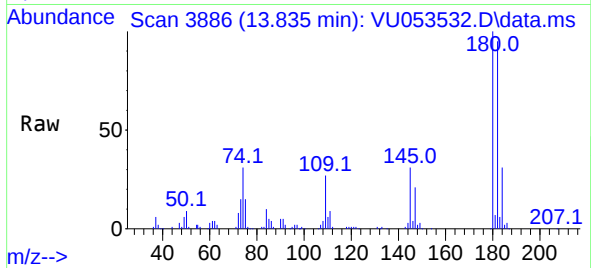


#69
 1,3,5-Trichlorobenzene
 Concen: 42.718 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.620 min
 Lab File: VU053532.D
 Acq: 03 Apr 2023 20:00

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-1(20230328)

Tgt Ion:180 Resp: 125758

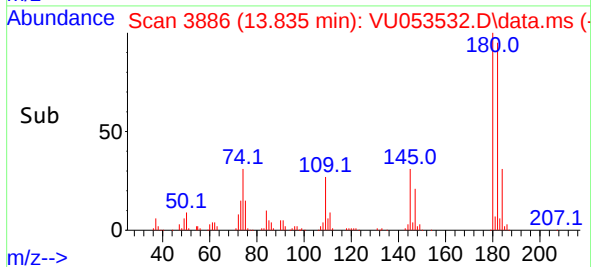
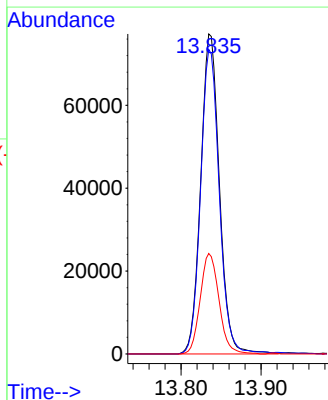
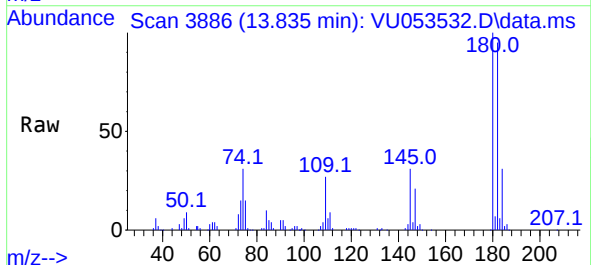
Ion	Ratio	Lower	Upper
180	100		
182	94.8	75.6	113.4
184	30.4	24.2	36.2
145	31.5	22.6	33.8

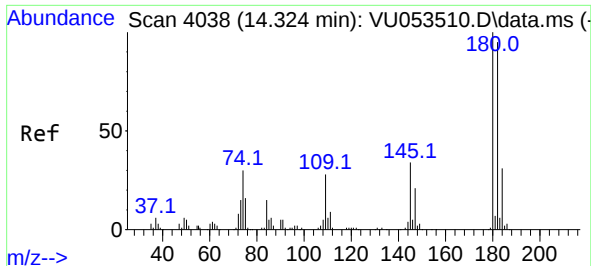


#70
 1,2,4-trichlorobenzene
 Concen: 46.076 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU053532.D
 Acq: 03 Apr 2023 20:00

Tgt Ion:180 Resp: 125758

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# 40

Delta R.T. 0.003 min

Lab File: VU053532.D

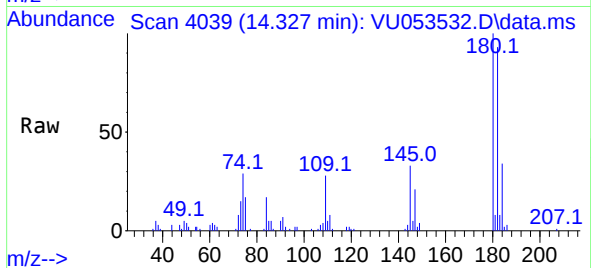
Acq: 03 Apr 2023 20:00

Instrument :

MSVOA_U

ClientSampleId :

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

