

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053531.D
 Acq On : 03 Apr 2023 19:36
 Operator : JC/MD
 Sample : 02158-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20230329)

Quant Time: Apr 04 05:19:22 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)

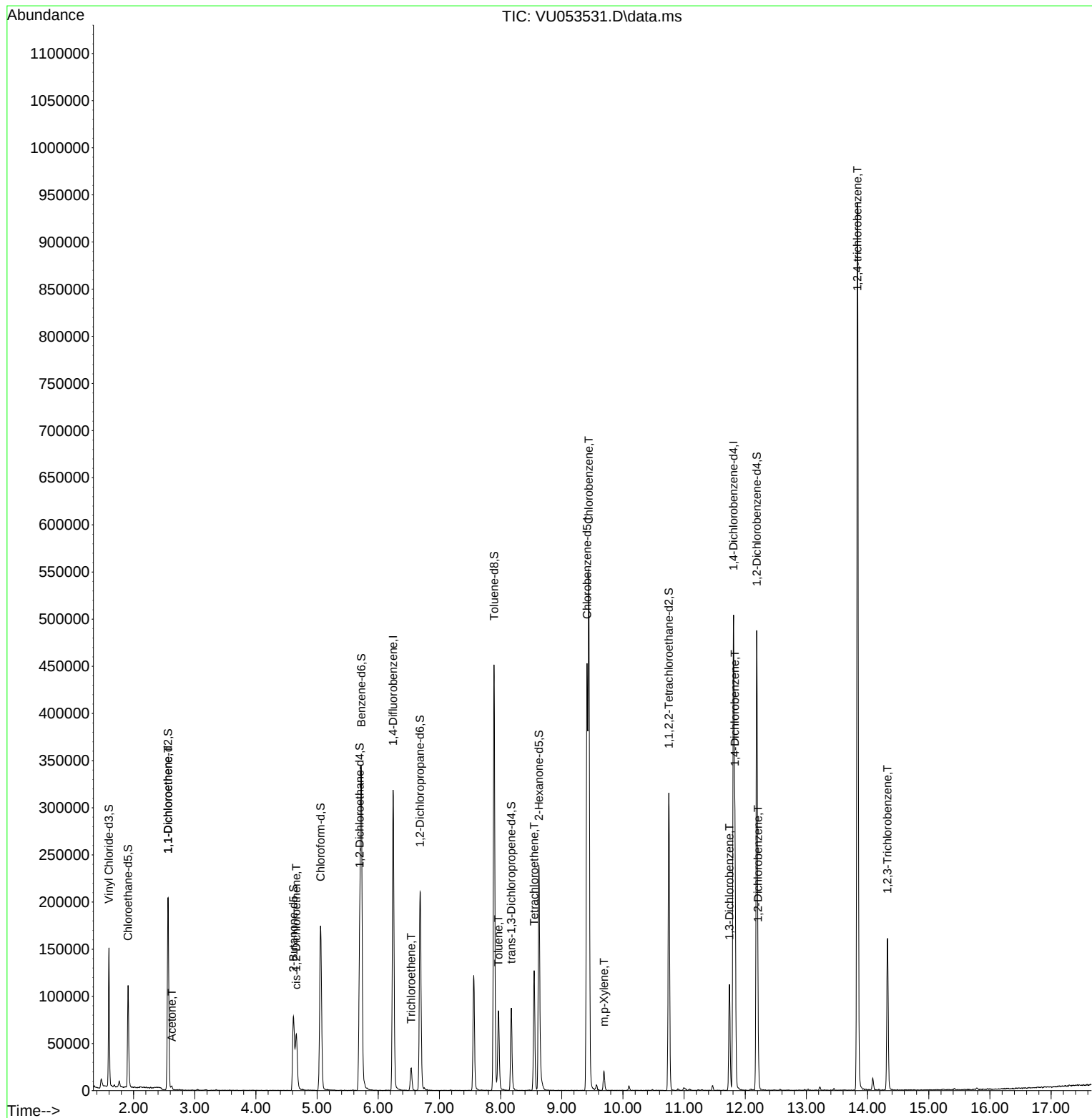
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	273224	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	254455	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	131869	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	101115	47.528	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	95.060%		
7) Chloroethane-d5	1.909	69	80356	48.987	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	97.980%		
11) 1,1-Dichloroethene-d2	2.562	63	116271	35.306	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.620%		
21) 2-Butanone-d5	4.613	46	112711	117.013	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	117.010%		
24) Chloroform-d	5.057	84	162790	46.267	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.540%		
26) 1,2-Dichloroethane-d4	5.697	65	103981	50.013	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.020%		
32) Benzene-d6	5.723	84	334525	48.705	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.400%		
36) 1,2-Dichloropropane-d6	6.684	67	103304	49.207	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.420%		
41) Toluene-d8	7.893	98	313347	45.901	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.800%		
43) trans-1,3-Dichloroprop...	8.176	79	51647	47.659	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.320%		
47) 2-Hexanone-d5	8.626	63	88327	123.278	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	123.280%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	150272	50.786	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.580%		
66) 1,2-Dichlorobenzene-d4	12.189	152	128434	46.660	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.320%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.562	96	1102	0.657	ug/L	# 1
13) Acetone	2.626	43	4495	5.193	ug/L	68
20) cis-1,2-Dichloroethene	4.661	96	29111	14.958	ug/L	88
34) Trichloroethene	6.539	95	7290	3.636	ug/L	97
42) Toluene	7.967	91	65728	8.748	ug/L	100
46) Tetrachloroethene	8.549	164	28342	17.033	ug/L	97
51) Chlorobenzene	9.443	112	303138	58.560	ug/L	97
53) m,p-Xylene	9.690	106	6386	1.952	ug/L	97
64) 1,3-Dichlorobenzene	11.742	146	47708	11.711	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	103705	24.977	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	15155	3.733	ug/L	96
70) 1,2,4-trichlorobenzene	13.835	180	289422	103.477	ug/L	99
72) 1,2,3-Trichlorobenzene	14.327	180	49813	17.831	ug/L	97

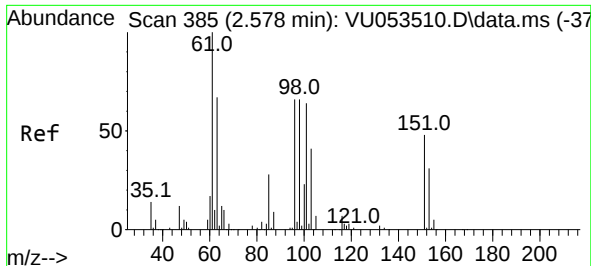
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 01 04:51:17 2023
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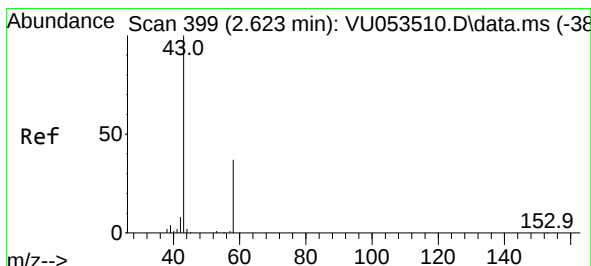
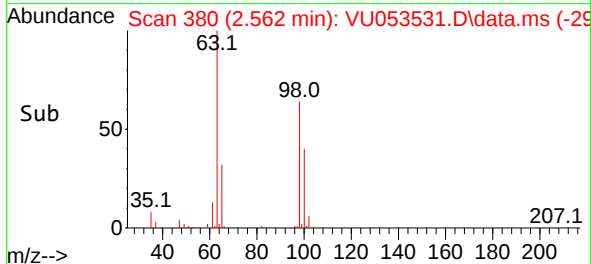
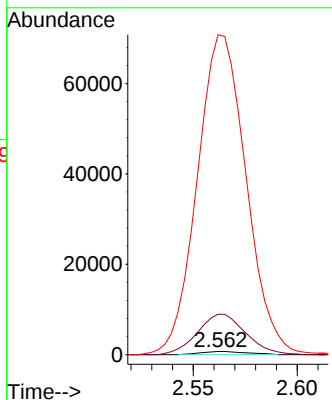
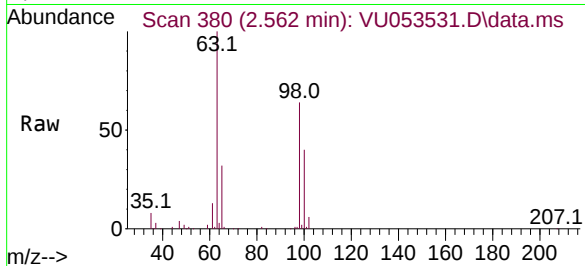




#12
1,1-Dichloroethene
Concen: 0.657 ug/L
RT: 2.562 min Scan# 385
Delta R.T. -0.016 min
Lab File: VU053531.D
Acq: 03 Apr 2023 19:36

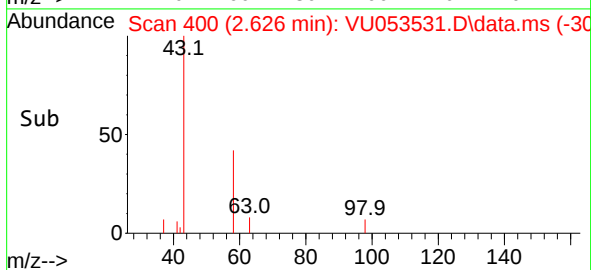
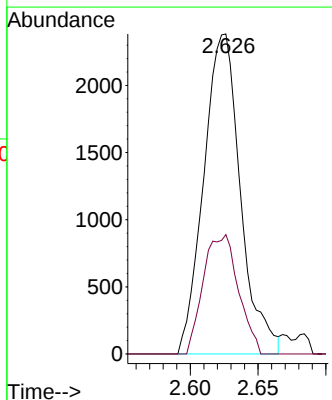
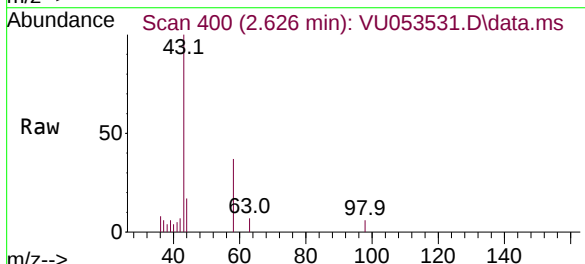
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230329)

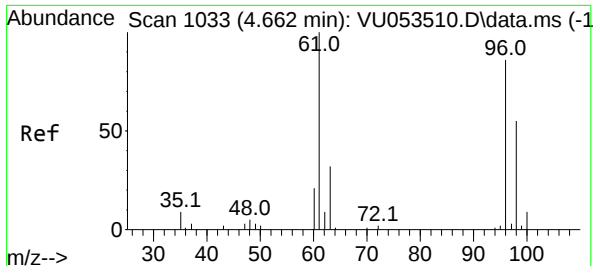
Tgt Ion: 96 Resp: 1102
Ion Ratio Lower Upper
96 100
61 1266.2 107.9 200.5#
63 10016.4 79.1 146.9#



#13
Acetone
Concen: 5.193 ug/L
RT: 2.626 min Scan# 400
Delta R.T. 0.006 min
Lab File: VU053531.D
Acq: 03 Apr 2023 19:36

Tgt Ion: 43 Resp: 4495
Ion Ratio Lower Upper
43 100
58 16.4 0.0 70.2

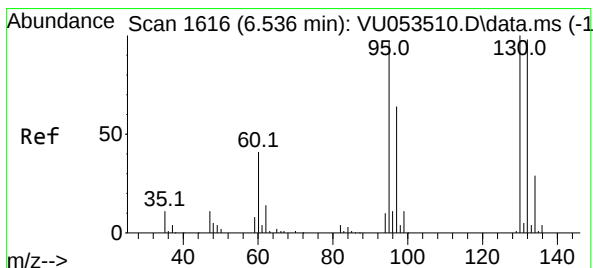
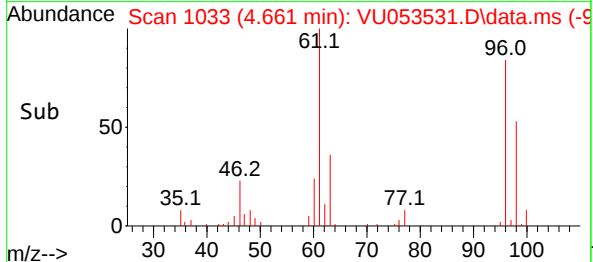
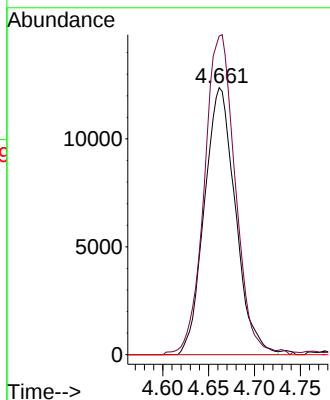
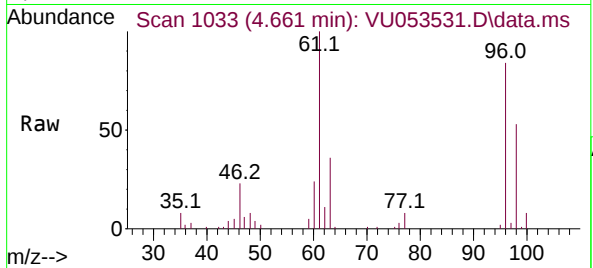




#20
cis-1,2-Dichloroethene
Concen: 14.958 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU053531.D
Acq: 03 Apr 2023 19:36

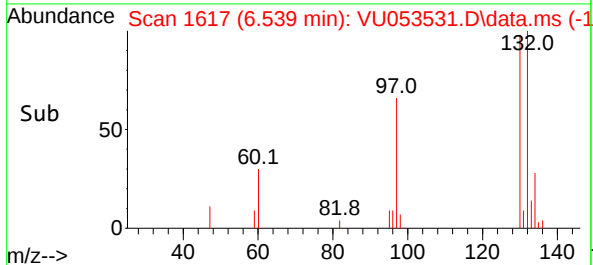
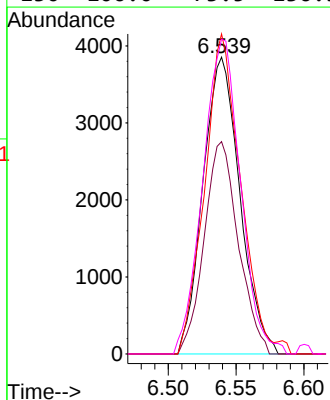
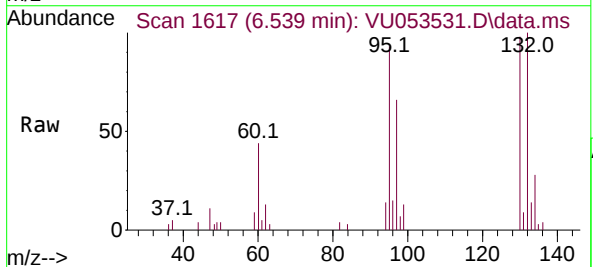
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230329)

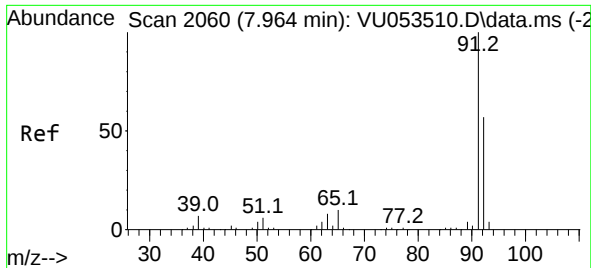
Tgt Ion: 96 Resp: 29111
Ion Ratio Lower Upper
96 100
61 119.3 74.7 138.7
68 0.0 0.0 0.0



#34
Trichloroethene
Concen: 3.636 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU053531.D
Acq: 03 Apr 2023 19:36

Tgt Ion: 95 Resp: 7290
Ion Ratio Lower Upper
95 100
97 71.5 45.1 83.7
132 107.8 74.1 137.5
130 106.0 73.5 136.5





#42

Toluene

Concen: 8.748 ug/L

RT: 7.967 min Scan# 2060

Delta R.T. 0.003 min

Lab File: VU053531.D

Acq: 03 Apr 2023 19:36

Instrument :

MSVOA_U

ClientSampleId :

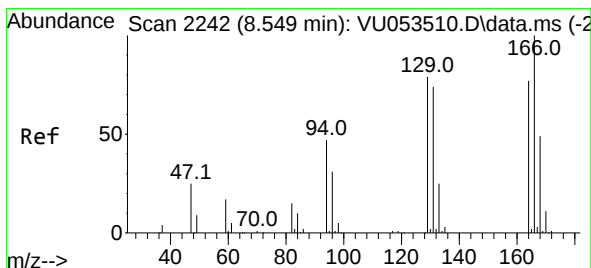
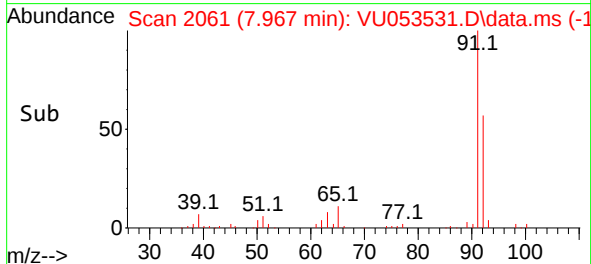
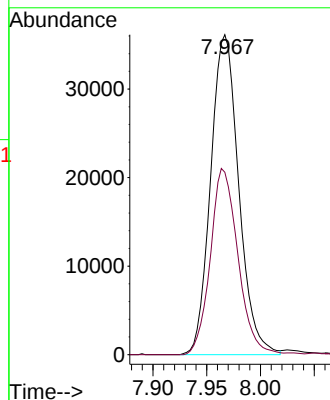
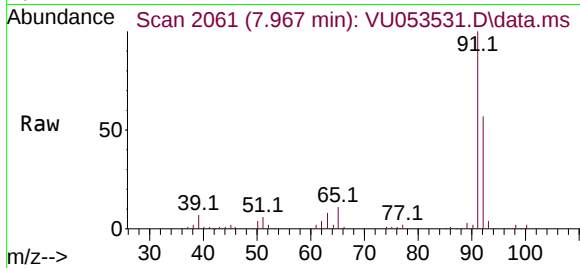
PMW-4(20230329)

Tgt Ion: 91 Resp: 65728

Ion Ratio Lower Upper

91 100

92 57.0 39.8 73.8



#46

Tetrachloroethene

Concen: 17.033 ug/L

RT: 8.549 min Scan# 2242

Delta R.T. 0.000 min

Lab File: VU053531.D

Acq: 03 Apr 2023 19:36

Tgt Ion: 164 Resp: 28342

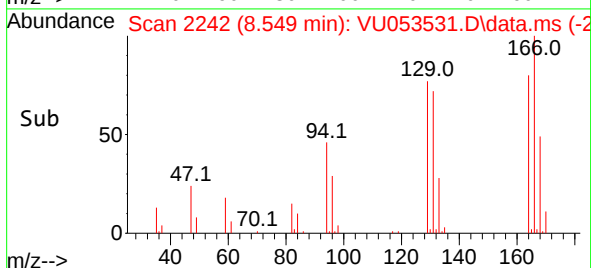
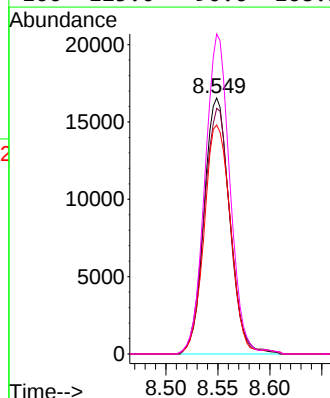
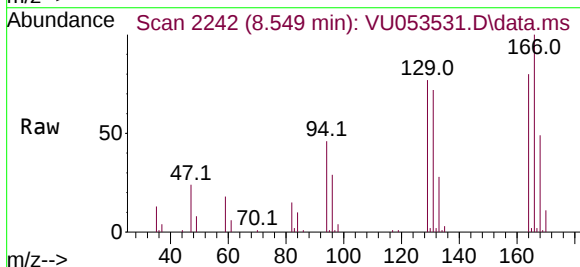
Ion Ratio Lower Upper

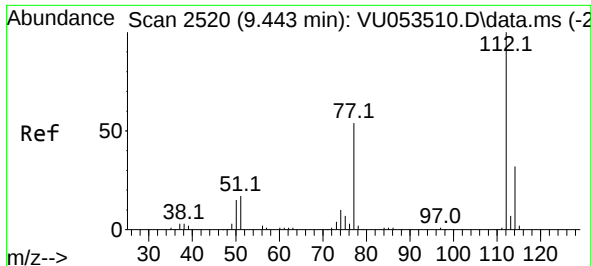
164 100

129 95.9 64.0 119.0

131 89.4 61.9 115.1

166 125.0 90.6 168.2

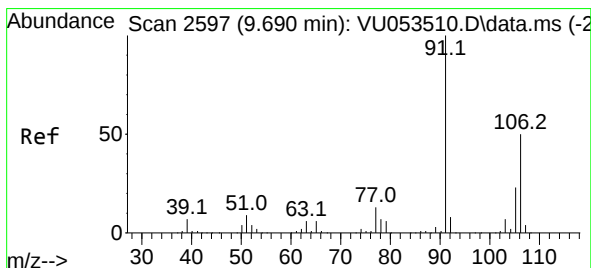
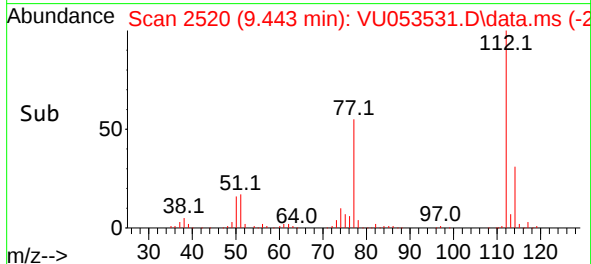
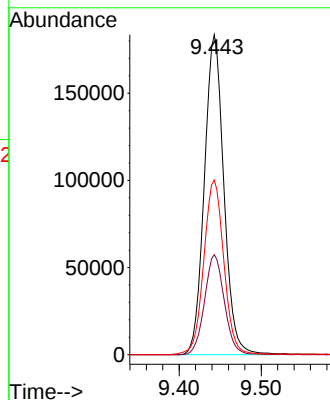
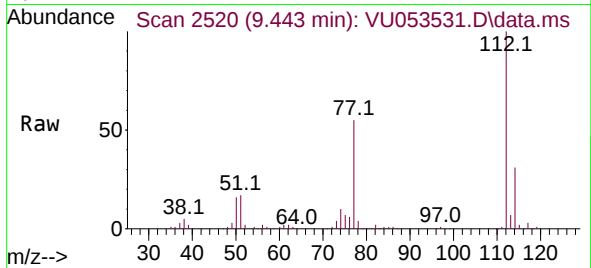




#51
Chlorobenzene
Concen: 58.560 ug/L
RT: 9.443 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053531.D
Acq: 03 Apr 2023 19:36

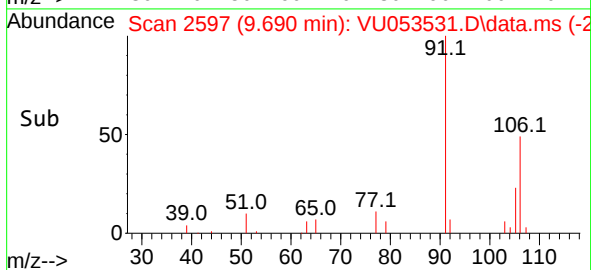
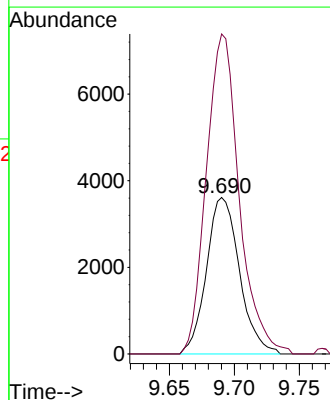
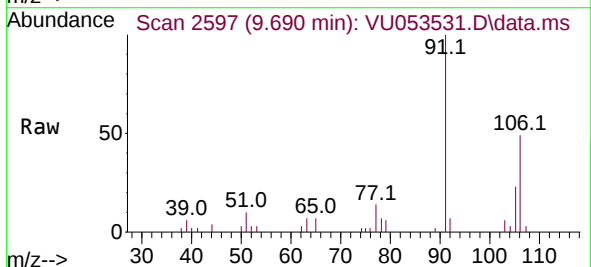
Instrument :
MSVOA_U
ClientSampleId :
PMW-4(20230329)

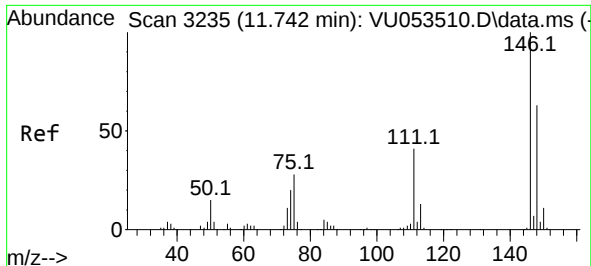
Tgt Ion:112 Resp: 303138
Ion Ratio Lower Upper
112 100
114 31.3 22.2 41.2
77 54.6 41.3 61.9



#53
m,p-Xylene
Concen: 1.952 ug/L
RT: 9.690 min Scan# 2597
Delta R.T. 0.000 min
Lab File: VU053531.D
Acq: 03 Apr 2023 19:36

Tgt Ion:106 Resp: 6386
Ion Ratio Lower Upper
106 100
91 204.4 140.0 260.0

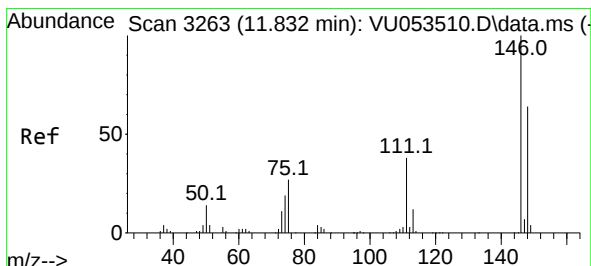
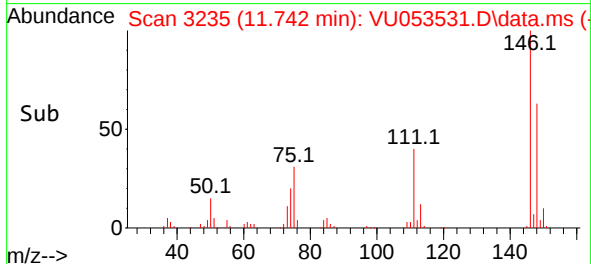
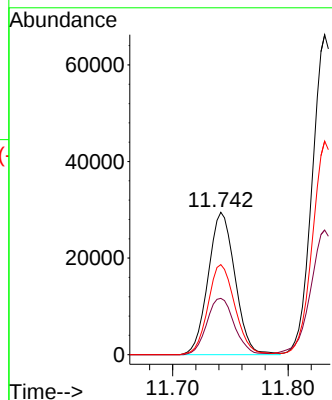
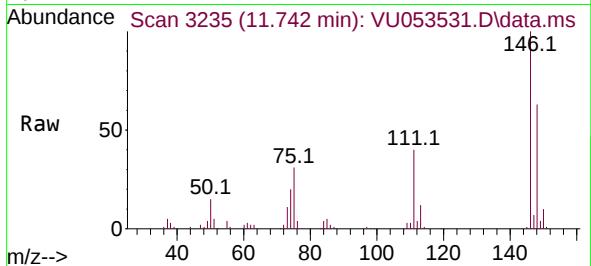




#64
1,3-Dichlorobenzene
Concen: 11.711 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053531.D
Acq: 03 Apr 2023 19:36

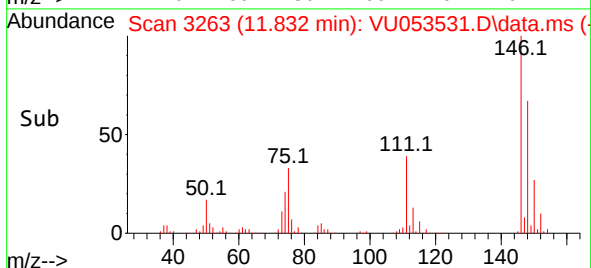
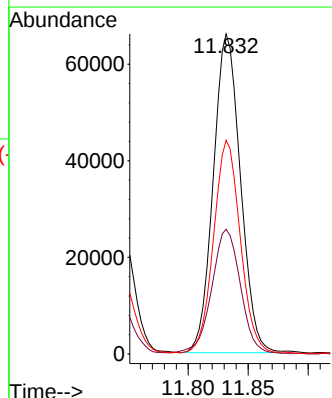
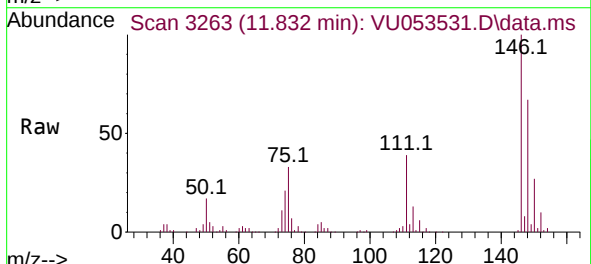
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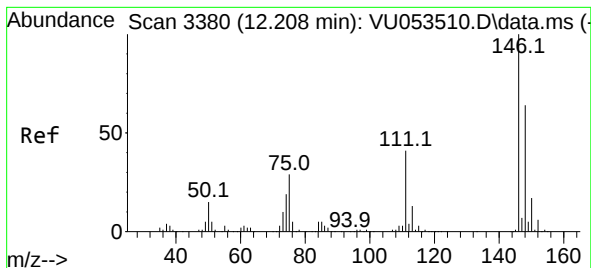
Tgt Ion:146 Resp: 47708
Ion Ratio Lower Upper
146 100
111 39.5 25.7 47.7
148 63.3 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 24.977 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053531.D
Acq: 03 Apr 2023 19:36

Tgt Ion:146 Resp: 103705
Ion Ratio Lower Upper
146 100
111 38.9 25.1 46.5
148 66.7 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 3.733 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU053531.D

Acq: 03 Apr 2023 19:36

Instrument :

MSVOA_U

ClientSampleId :

PMW-4(20230329)

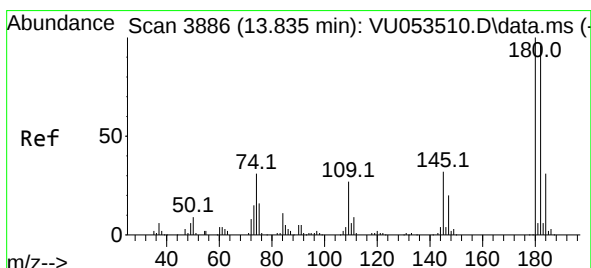
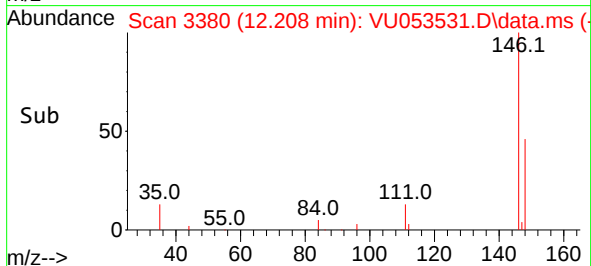
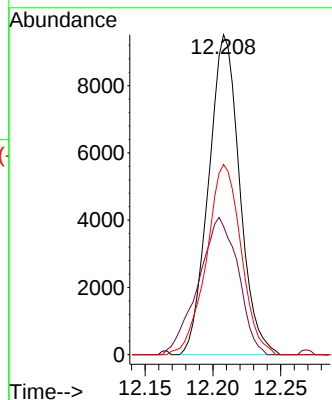
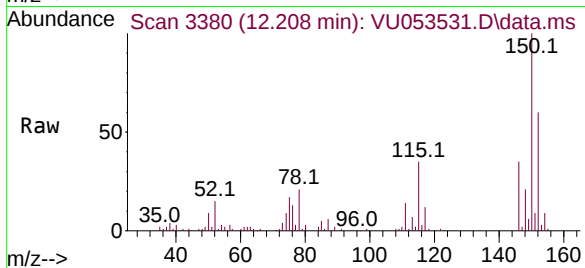
Tgt Ion:146 Resp: 15155

Ion Ratio Lower Upper

146 100

111 40.1 31.5 47.3

148 59.5 51.6 77.4



#70

1,2,4-trichlorobenzene

Concen: 103.477 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU053531.D

Acq: 03 Apr 2023 19:36

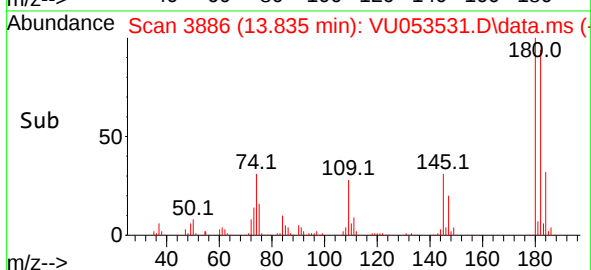
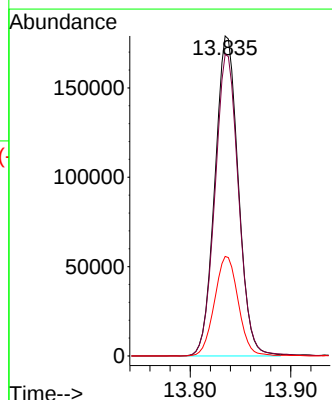
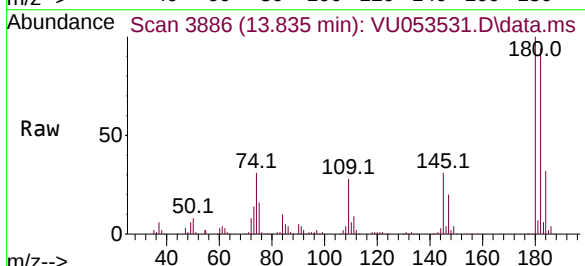
Tgt Ion:180 Resp: 289422

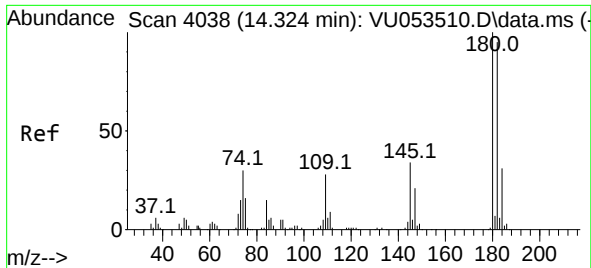
Ion Ratio Lower Upper

180 100

182 95.4 75.8 113.8

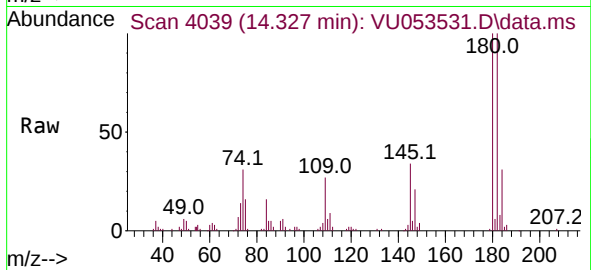
145 31.5 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 17.831 ug/L
 RT: 14.327 min Scan# 4039
 Delta R.T. 0.003 min
 Lab File: VU053531.D
 Acq: 03 Apr 2023 19:36

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-4(20230329)



Tgt Ion:	180	Resp:	49813
Ion Ratio	Lower	Upper	
180	100		
182	98.3	77.0	115.6
145	33.8	25.4	38.0

