

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040423\
 Data File : VU053557.D
 Acq On : 04 Apr 2023 13:18
 Operator : JC/MD
 Sample : 02158-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-8D(20230330)

Quant Time: Apr 04 16:34:46 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)

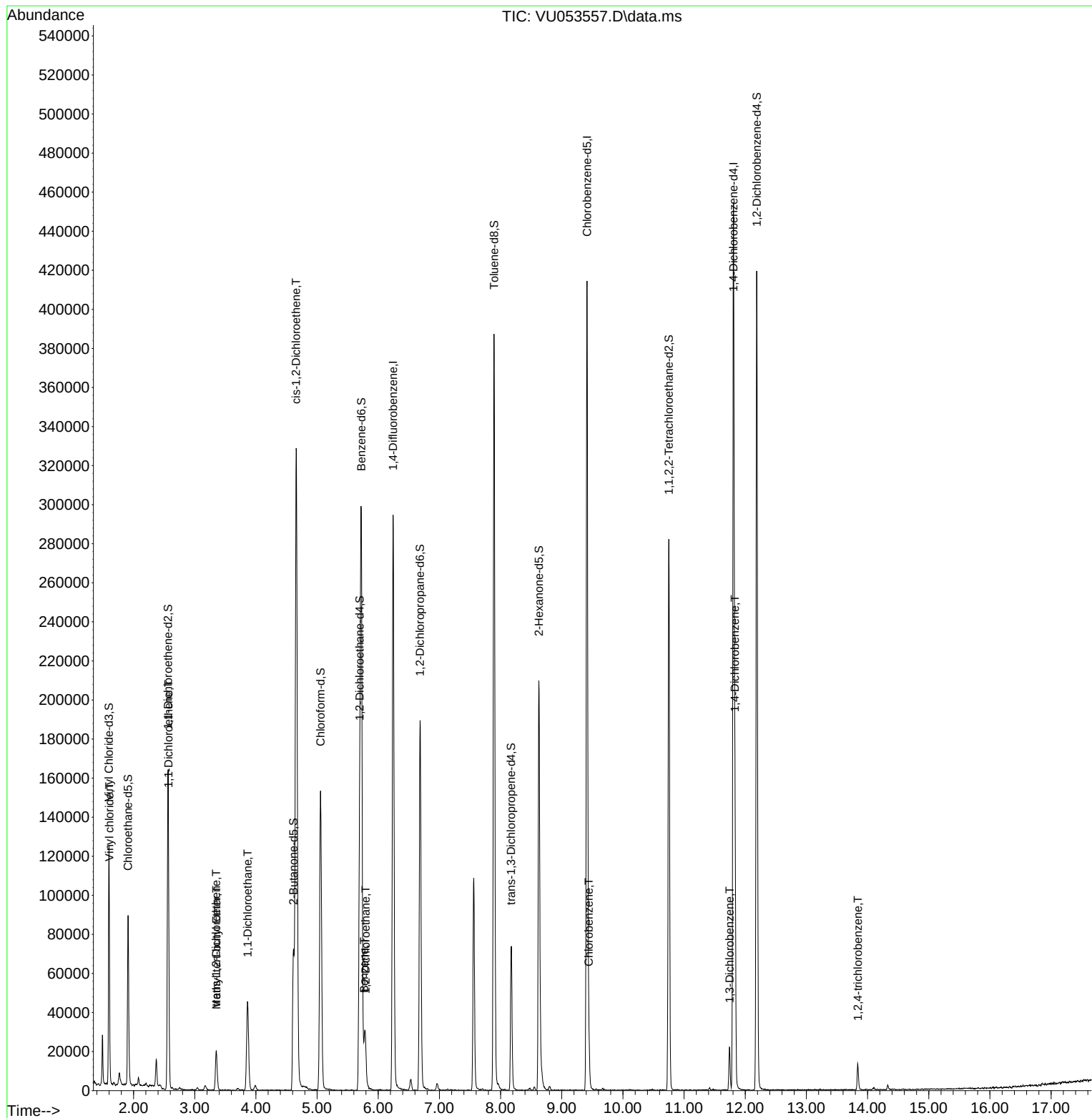
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	256357	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	238918	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	120435	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	77244	38.696	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	77.400%		
7) Chloroethane-d5	1.909	69	66587	43.264	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.520%		
11) 1,1-Dichloroethene-d2	2.562	63	96431	31.208	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.420%		
21) 2-Butanone-d5	4.613	46	97841	108.259	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	108.260%		
24) Chloroform-d	5.057	84	144004	43.621	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.240%		
26) 1,2-Dichloroethane-d4	5.697	65	91583	46.948	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.900%		
32) Benzene-d6	5.722	84	291357	45.178	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.360%		
36) 1,2-Dichloropropane-d6	6.684	67	93946	47.660	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.320%		
41) Toluene-d8	7.893	98	272481	42.510	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.020%		
43) trans-1,3-Dichloroprop...	8.173	79	44128	43.369	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.740%		
47) 2-Hexanone-d5	8.626	63	76617	113.888	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	113.890%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	135763	48.866	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.740%		
66) 1,2-Dichlorobenzene-d4	12.188	152	112134	44.605	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.220%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	13093	6.608	ug/L	92
12) 1,1-Dichloroethene	2.571	96	2393	1.521	ug/L #	1
17) trans-1,2-Dichloroethene	3.350	96	7163	4.531	ug/L	88
18) Methyl tert-butyl Ether	3.356	73	5650	1.226	ug/L #	78
19) 1,1-Dichloroethane	3.864	63	51135	19.527	ug/L	99
20) cis-1,2-Dichloroethene	4.658	96	179551	98.330	ug/L	91
27) 1,2-Dichloroethane	5.793	62	16529	7.514	ug/L	99
33) Benzene	5.771	78	15894	2.553	ug/L	100
51) Chlorobenzene	9.443	112	12253	2.521	ug/L	93
64) 1,3-Dichlorobenzene	11.745	146	8986	2.415	ug/L	91
65) 1,4-Dichlorobenzene	11.832	146	56987	15.028	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	4860	1.903	ug/L	98

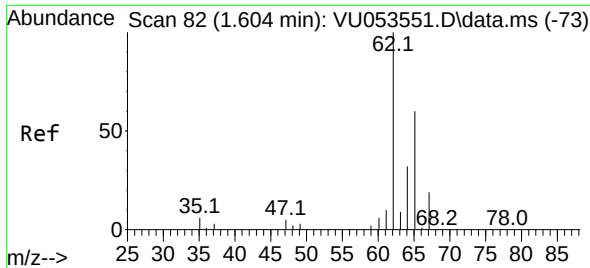
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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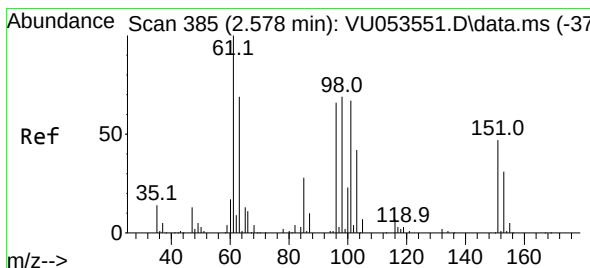
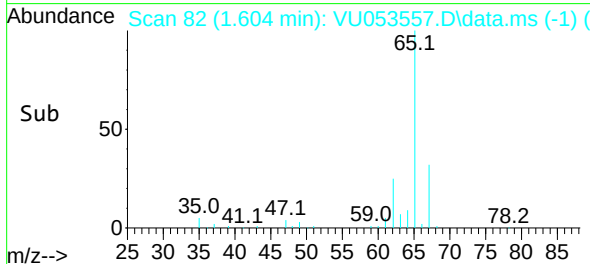
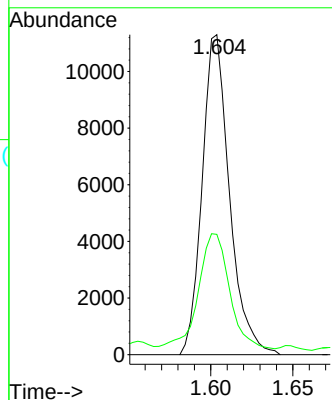
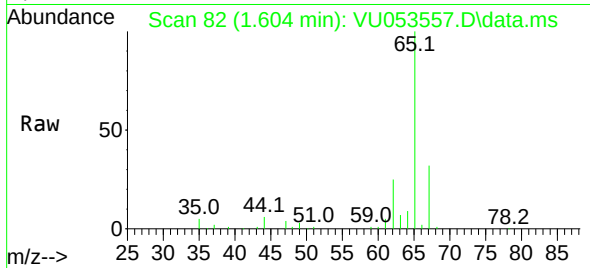




#5
 Vinyl chloride
 Concen: 6.608 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053557.D
 Acq: 04 Apr 2023 13:18

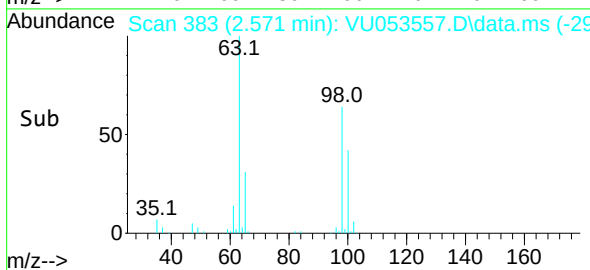
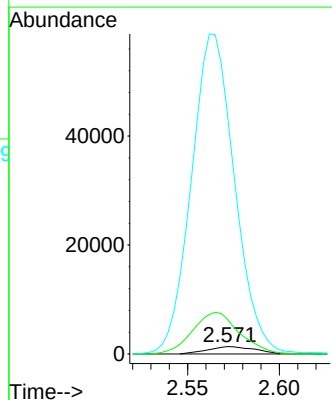
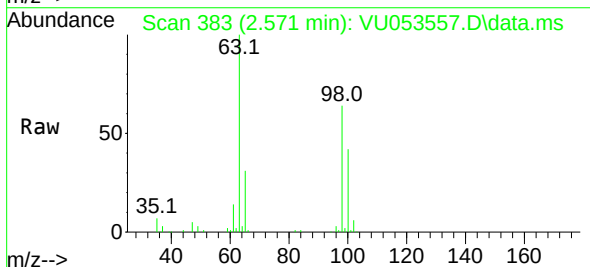
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-8D(20230330)

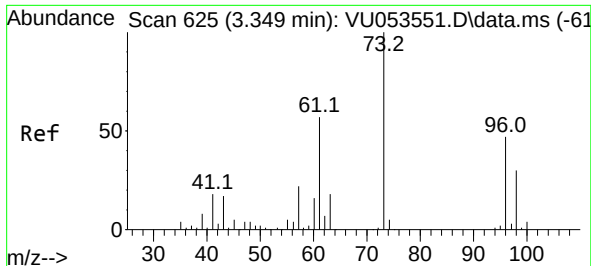
Tgt Ion: 62 Resp: 13093
 Ion Ratio Lower Upper
 62 100
 64 37.6 23.2 43.0



#12
 1,1-Dichloroethene
 Concen: 1.521 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.006 min
 Lab File: VU053557.D
 Acq: 04 Apr 2023 13:18

Tgt Ion: 96 Resp: 2393
 Ion Ratio Lower Upper
 96 100
 61 477.1 107.9 200.5#
 63 3298.7 79.1 146.9#





#17

trans-1,2-Dichloroethene

Concen: 4.531 ug/L

RT: 3.350 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU053557.D

Acq: 04 Apr 2023 13:18

Instrument :

MSVOA_U

ClientSampleId :

PMW-8D(20230330)

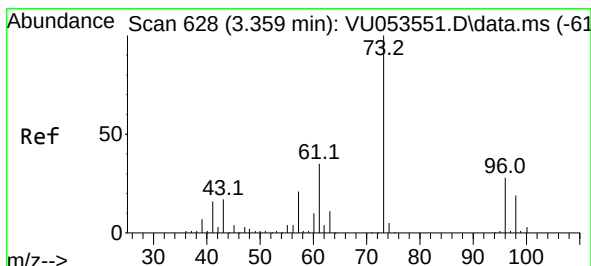
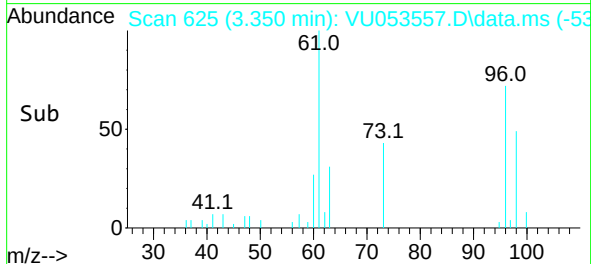
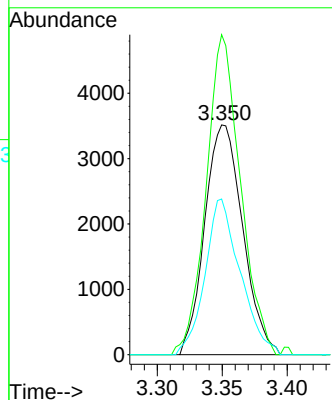
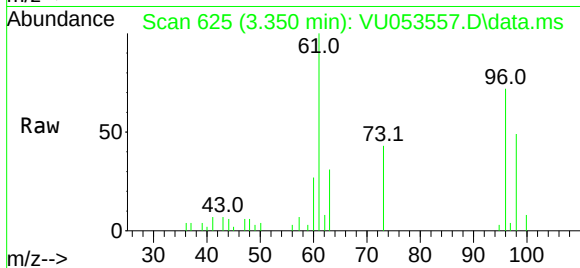
Tgt Ion: 96 Resp: 7163

Ion Ratio Lower Upper

96 100

61 139.3 84.4 156.8

98 67.8 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 1.226 ug/L

RT: 3.356 min Scan# 627

Delta R.T. 0.000 min

Lab File: VU053557.D

Acq: 04 Apr 2023 13:18

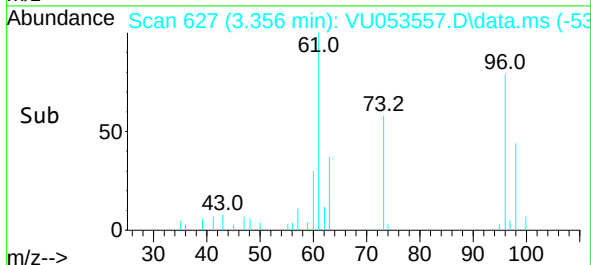
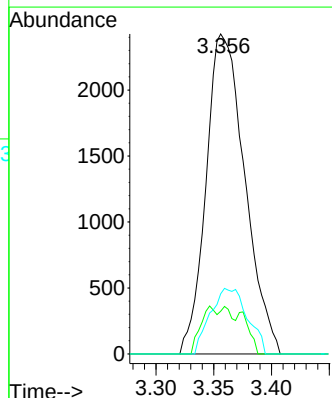
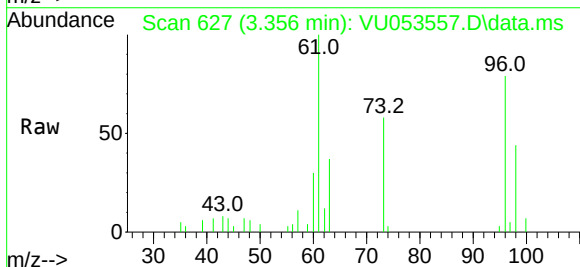
Tgt Ion: 73 Resp: 5650

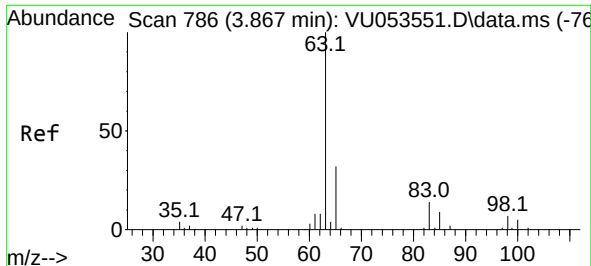
Ion Ratio Lower Upper

73 100

43 5.3 13.8 20.8#

57 11.8 15.9 23.9#

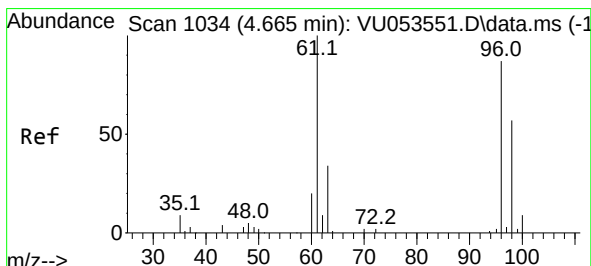
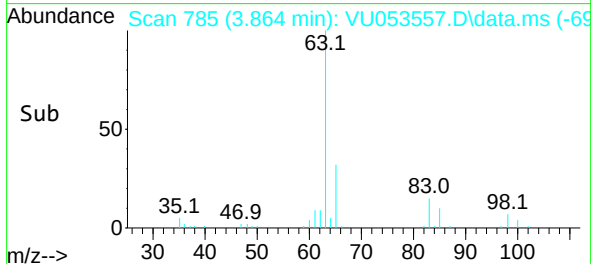
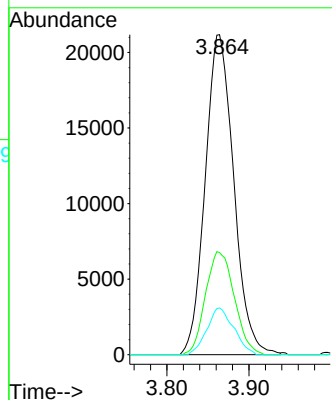
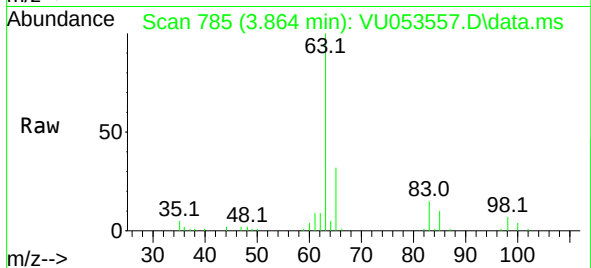




#19
1,1-Dichloroethane
Concen: 19.527 ug/L
RT: 3.864 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU053557.D
Acq: 04 Apr 2023 13:18

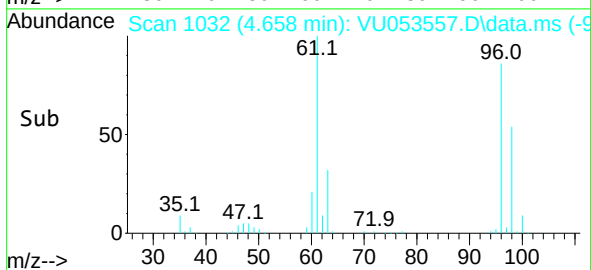
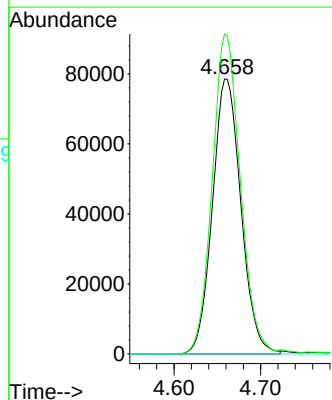
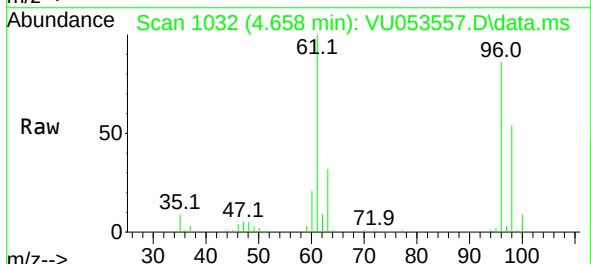
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PMW-8D(20230330)

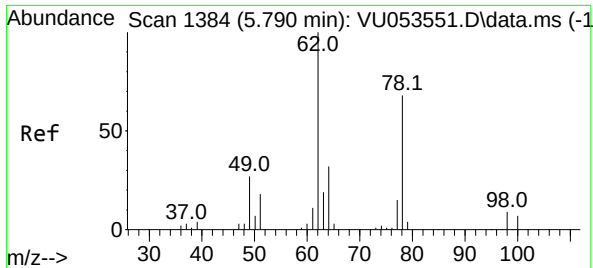
Tgt Ion: 63 Resp: 51135
Ion Ratio Lower Upper
63 100
65 31.9 22.0 41.0
83 14.6 10.8 20.0



#20
cis-1,2-Dichloroethene
Concen: 98.330 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU053557.D
Acq: 04 Apr 2023 13:18

Tgt Ion: 96 Resp: 179551
Ion Ratio Lower Upper
96 100
61 116.4 74.7 138.7
68 0.0 0.0 0.0

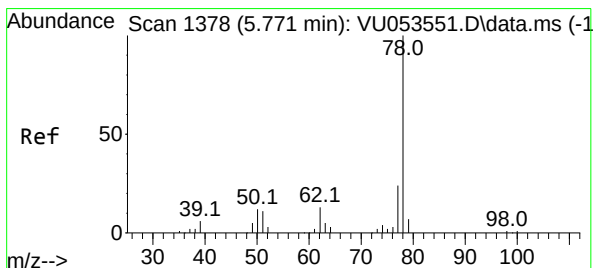
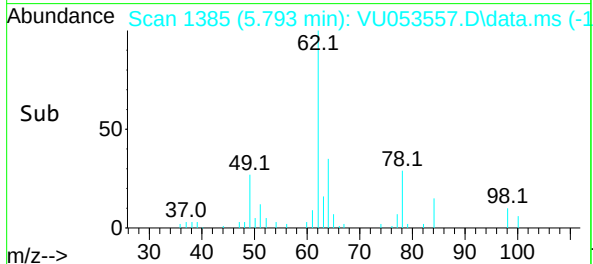
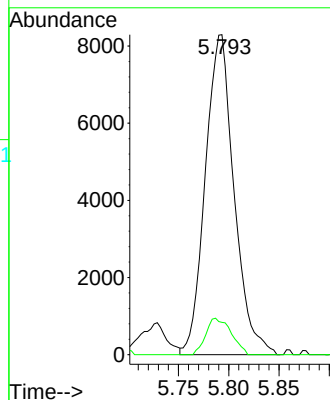
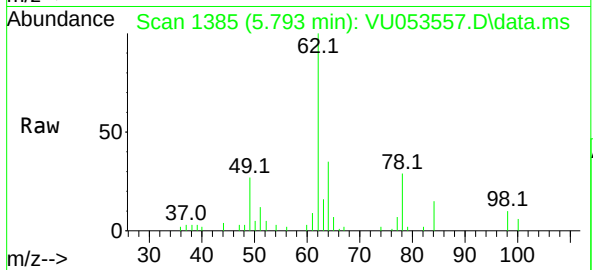




#27
1,2-Dichloroethane
Concen: 7.514 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VU053557.D
Acq: 04 Apr 2023 13:18

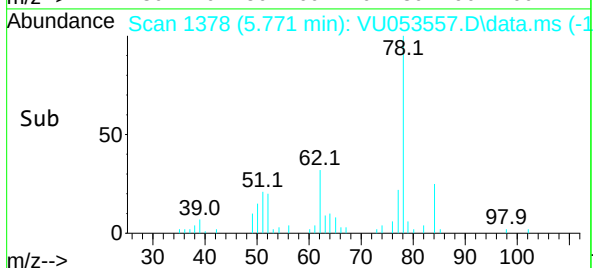
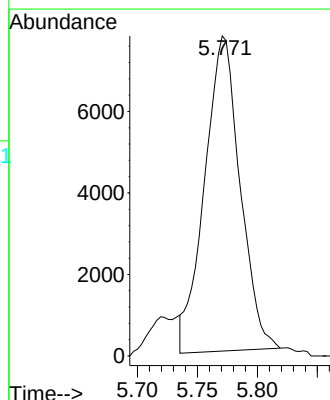
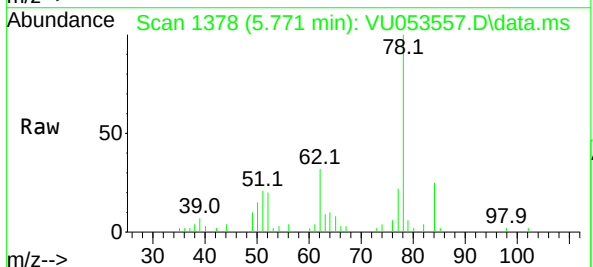
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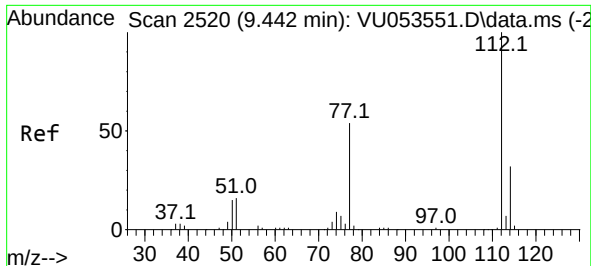
Tgt Ion: 62 Resp: 16529
Ion Ratio Lower Upper
62 100
98 10.1 8.3 12.5



#33
Benzene
Concen: 2.553 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053557.D
Acq: 04 Apr 2023 13:18

Tgt Ion: 78 Resp: 15894

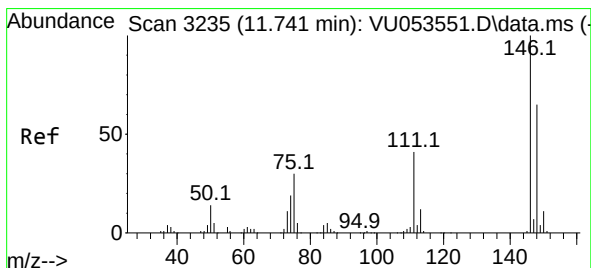
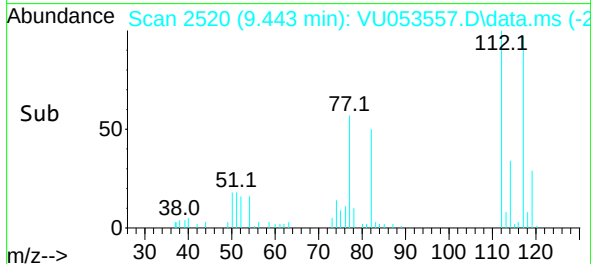
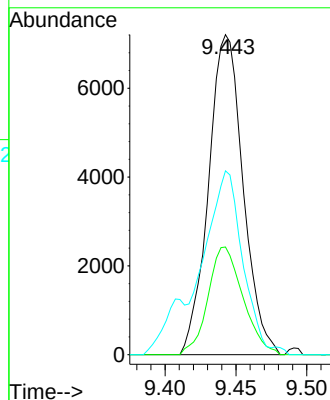
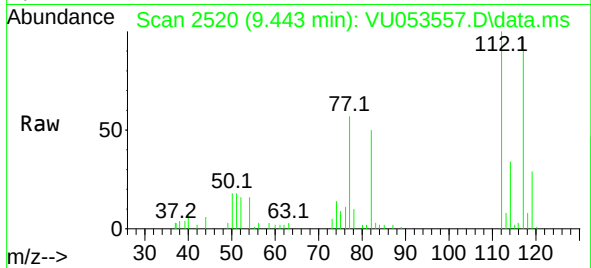




#51
Chlorobenzene
Concen: 2.521 ug/L
RT: 9.443 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VU053557.D
Acq: 04 Apr 2023 13:18

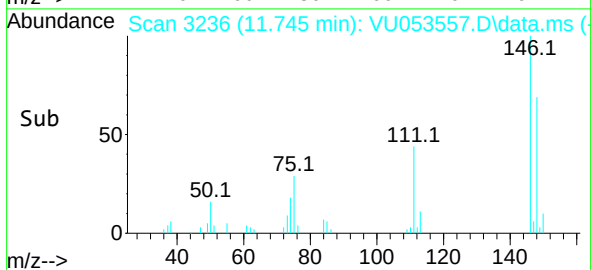
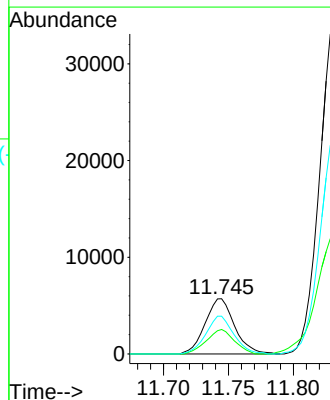
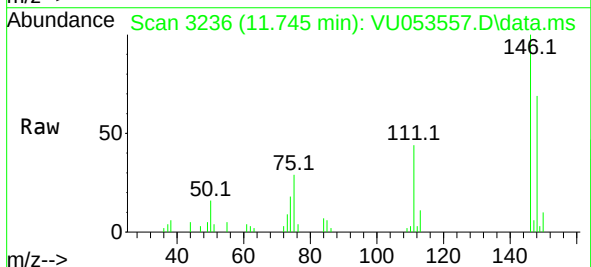
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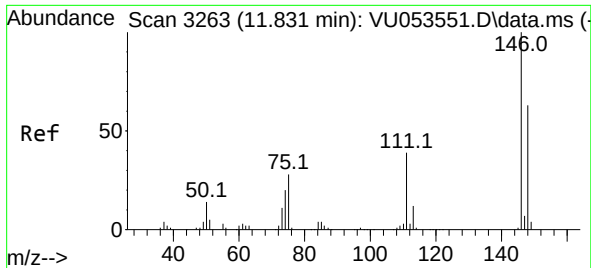
Tgt Ion:112	Resp:	12253
Ion Ratio	Lower	Upper
112	100	
114	33.6	22.2 41.2
77	57.5	41.3 61.9



#64
1,3-Dichlorobenzene
Concen: 2.415 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU053557.D
Acq: 04 Apr 2023 13:18

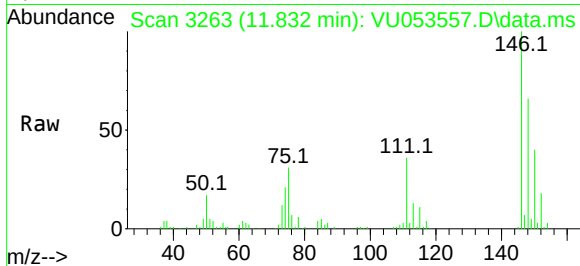
Tgt Ion:146	Resp:	8986
Ion Ratio	Lower	Upper
146	100	
111	44.4	25.7 47.7
148	68.5	44.2 82.2



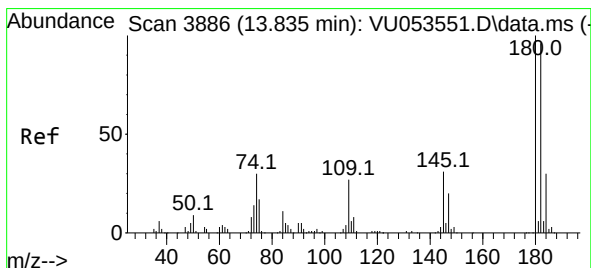
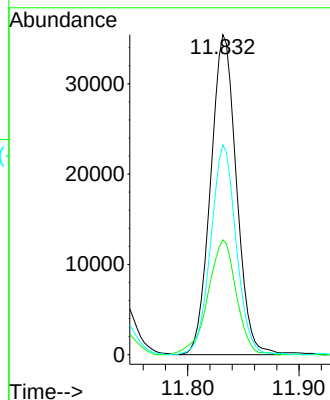
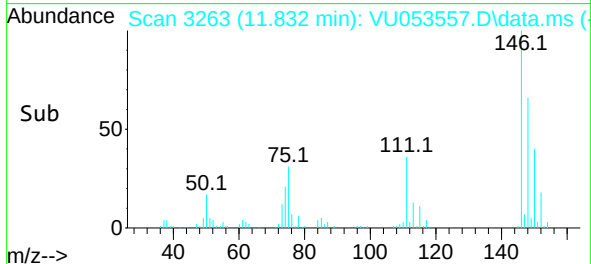


#65
1,4-Dichlorobenzene
Concen: 15.028 ug/L
RT: 11.832 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU053557.D
Acq: 04 Apr 2023 13:18

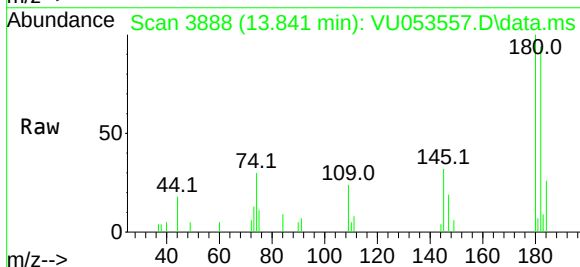
Instrument :
MSVOA_U
ClientSampleId :
PMW-8D(20230330)



Tgt Ion:146 Resp: 56987
Ion Ratio Lower Upper
146 100
111 35.9 25.1 46.5
148 65.6 44.3 82.3



#70
1,2,4-trichlorobenzene
Concen: 1.903 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.006 min
Lab File: VU053557.D
Acq: 04 Apr 2023 13:18



Tgt Ion:180 Resp: 4860
Ion Ratio Lower Upper
180 100
182 95.9 75.8 113.8
145 31.3 23.4 35.2

