

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053539.D
 Acq On : 03 Apr 2023 23:33
 Operator : JC/MD
 Sample : 02158-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-7D(20230329)

Quant Time: Apr 04 09:00:04 2023
 Quant Title :
 QLast Update : Fri Apr 14 01:54:10 2023
 Response via : Initial Calibration

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

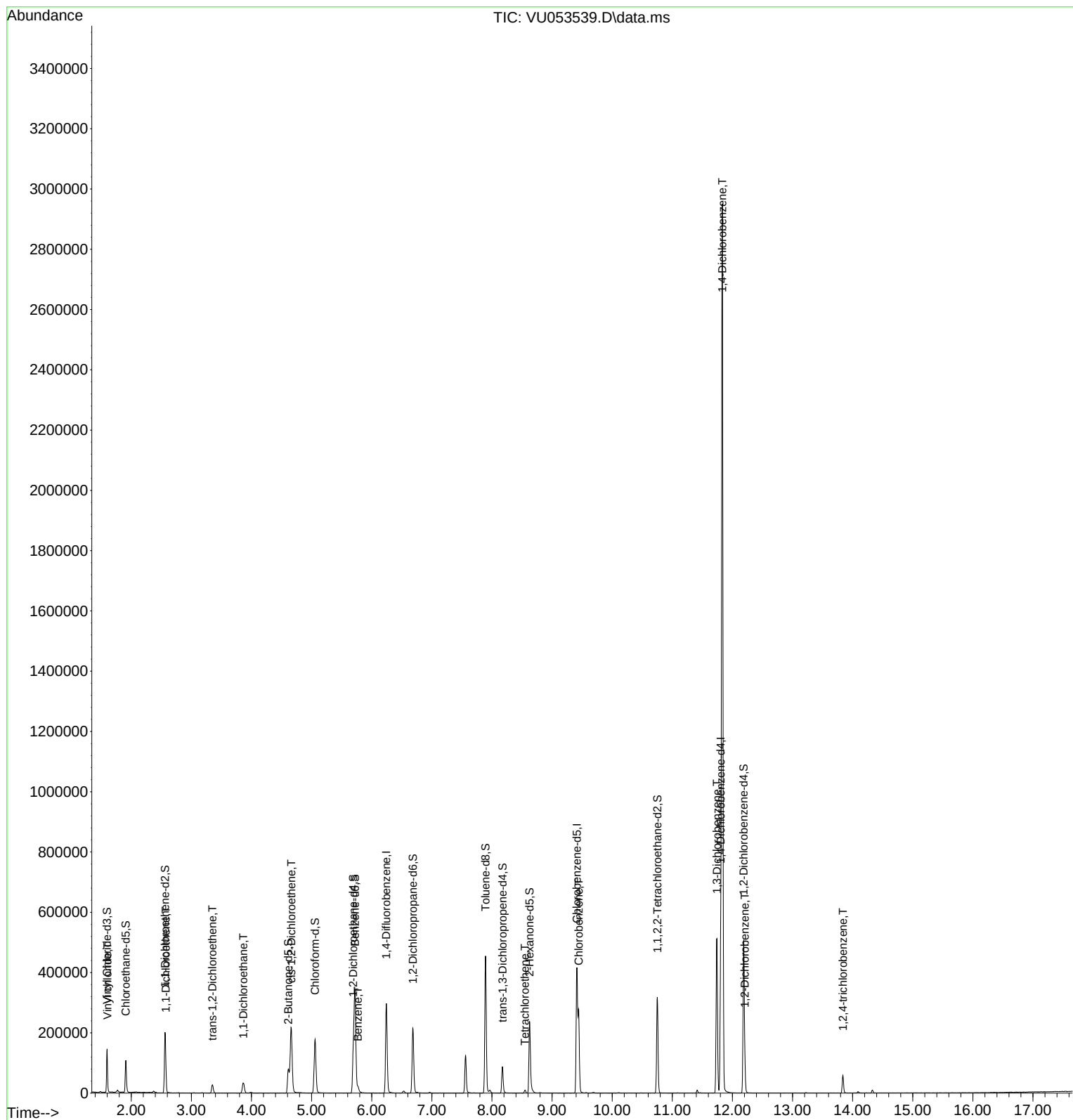
Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	252686	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	239154	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	129678	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	94541	48.050	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 96.100%			
7) Chloroethane-d5	1.909	69	80332	52.953	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 105.900%			
11) 1,1-Dichloroethene-d2	2.562	63	114092	37.460	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 74.920%			
21) 2-Butanone-d5	4.613	46	109267	122.658	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 122.660%			
24) Chloroform-d	5.057	84	164687	50.611	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.220%			
26) 1,2-Dichloroethane-d4	5.694	65	104439	54.316	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 108.640%			
32) Benzene-d6	5.723	84	336859	52.182	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.360%			
36) 1,2-Dichloropropane-d6	6.684	67	104724	53.075	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 106.160%			
41) Toluene-d8	7.893	98	315651	49.197	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.400%			
43) trans-1,3-Dichloroprop...	8.176	79	50543	49.624	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 99.240%			
47) 2-Hexanone-d5	8.626	63	85515	126.989	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 126.990%			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	152845	54.960	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 109.920%			
66) 1,2-Dichlorobenzene-d4	12.189	152	131268	48.495	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.980%			
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	6883	3.524	ug/L #	77
12) 1,1-Dichloroethene	2.575	96	2237	1.443	ug/L #	1
17) trans-1,2-Dichloroethene	3.350	96	11672	7.490	ug/L	97
19) 1,1-Dichloroethane	3.864	63	39560	15.326	ug/L	97
20) cis-1,2-Dichloroethene	4.662	96	119584	66.441	ug/L	88
33) Benzene	5.771	78	18003	2.889	ug/L	100
46) Tetrachloroethene	8.549	164	2045	1.308	ug/L	95
51) Chlorobenzene	9.443	112	145661	29.939	ug/L	96
64) 1,3-Dichlorobenzene	11.742	146	215467	53.784	ug/L	95
65) 1,4-Dichlorobenzene	11.832	146	1184206	290.030	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	19022	4.764	ug/L	95
70) 1,2,4-trichlorobenzene	13.838	180	18306	6.655	ug/L	98

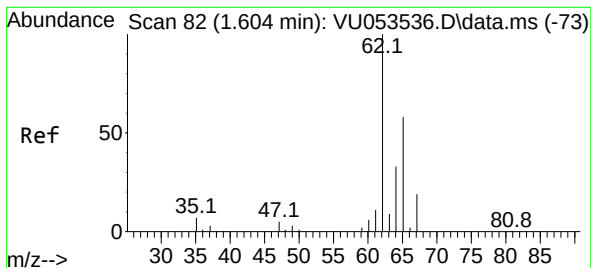
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 3.524 ug/L

RT: 1.604 min Scan# 81

Delta R.T. 0.000 min

Lab File: VU053539.D

Acq: 03 Apr 2023 23:33

Instrument :

MSVOA_U

ClientSampleId :

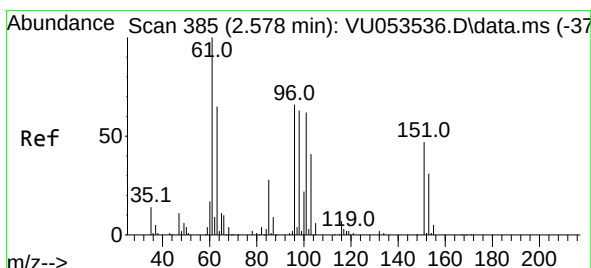
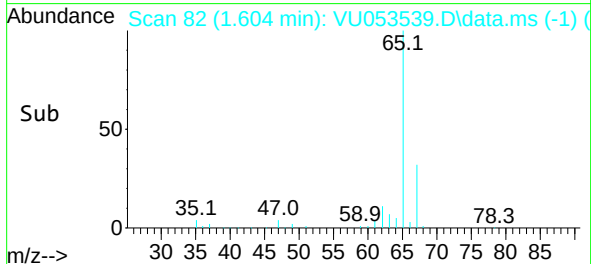
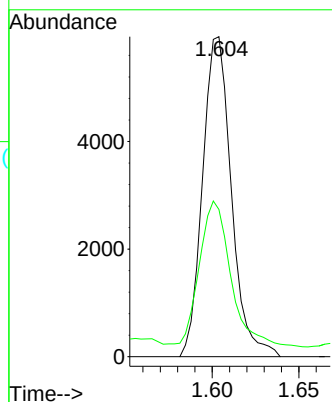
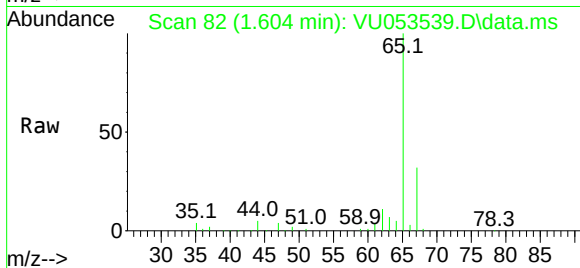
PMW-7D(20230329)

Tgt Ion: 62 Resp: 6883

Ion Ratio Lower Upper

62 100

64 46.0 23.2 43.0#



#12

1,1-Dichloroethene

Concen: 1.443 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.003 min

Lab File: VU053539.D

Acq: 03 Apr 2023 23:33

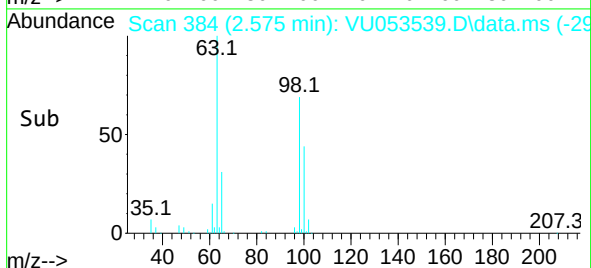
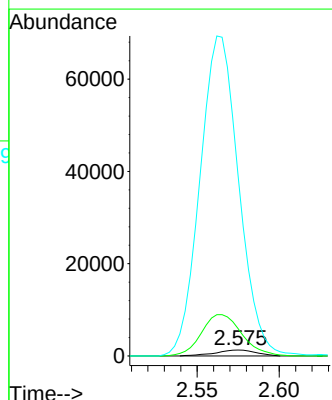
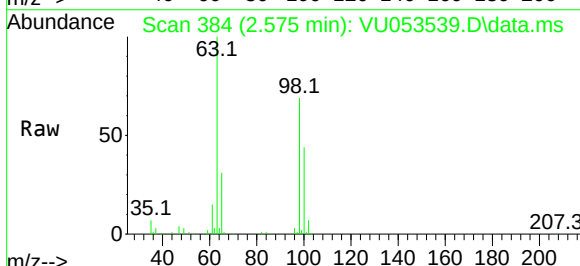
Tgt Ion: 96 Resp: 2237

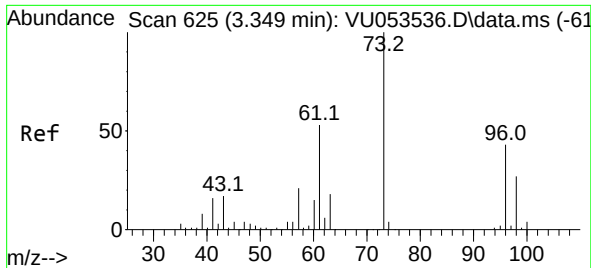
Ion Ratio Lower Upper

96 100

61 457.8 107.9 200.5#

63 3026.0 79.1 146.9#

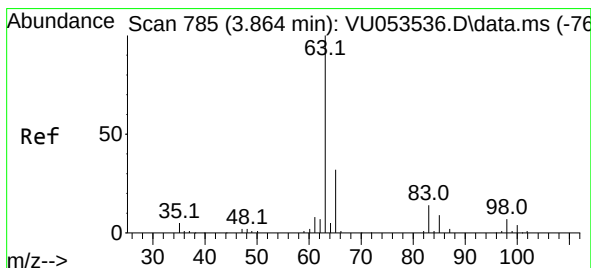
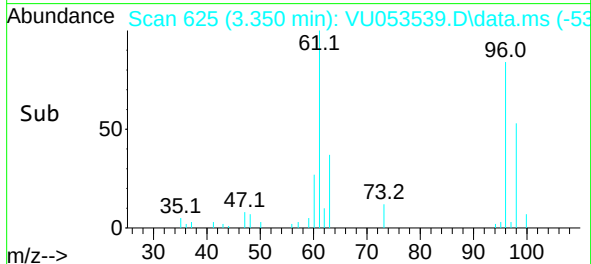
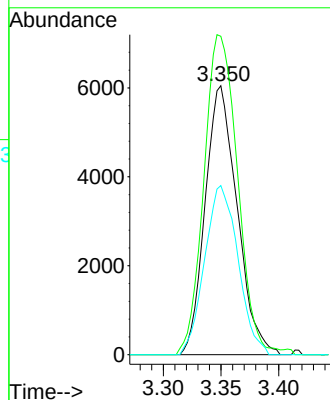
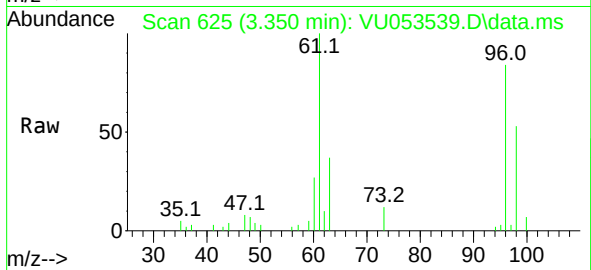




#17
trans-1,2-Dichloroethene
Concen: 7.490 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

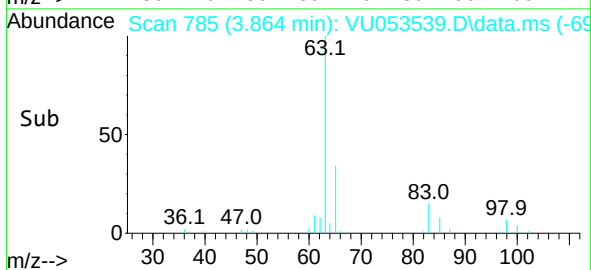
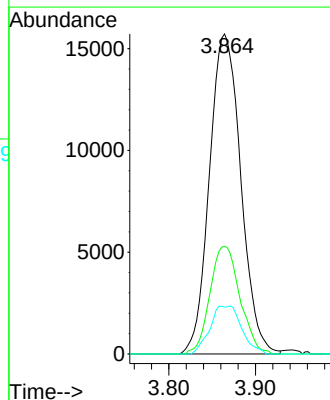
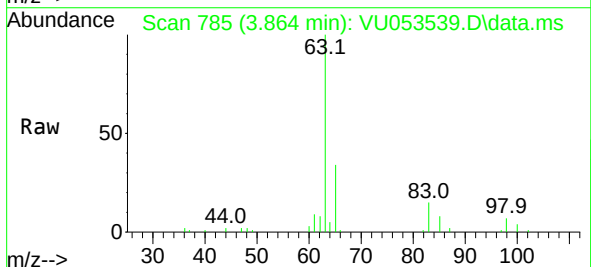
Instrument :
MSVOA_U
ClientSampleId :
PMW-7D(20230329)

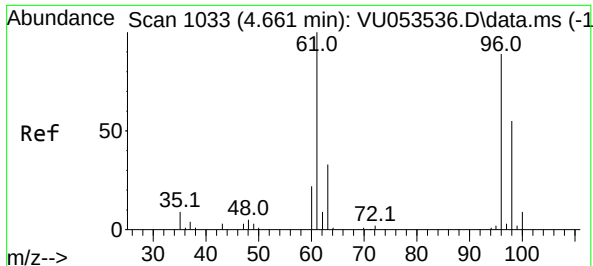
Tgt Ion: 96 Resp: 11672
Ion Ratio Lower Upper
96 100
61 118.4 84.4 156.8
98 62.9 46.0 85.4



#19
1,1-Dichloroethane
Concen: 15.326 ug/L
RT: 3.864 min Scan# 785
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

Tgt Ion: 63 Resp: 39560
Ion Ratio Lower Upper
63 100
65 33.7 22.0 41.0
83 14.7 10.8 20.0





#20

cis-1,2-Dichloroethene

Concen: 66.441 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053539.D

Acq: 03 Apr 2023 23:33

Instrument :

MSVOA_U

ClientSampleId :

PMW-7D(20230329)

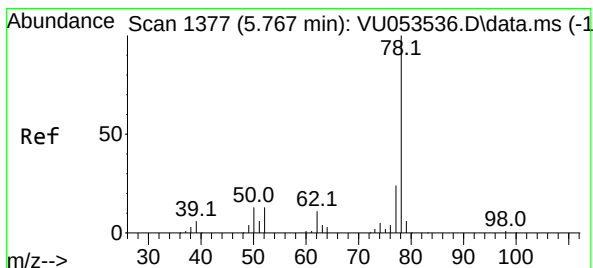
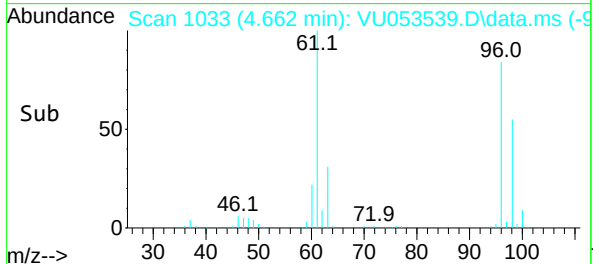
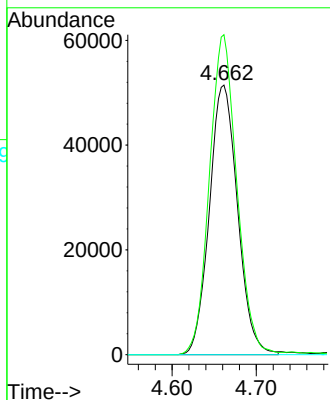
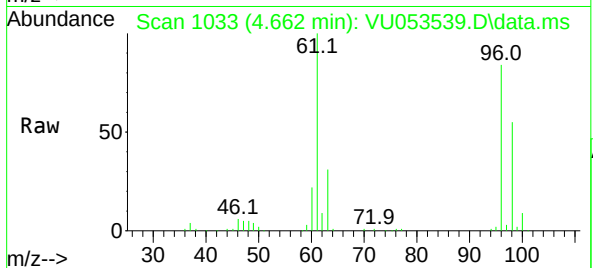
Tgt Ion: 96 Resp: 119584

Ion Ratio Lower Upper

96 100

61 118.7 74.7 138.7

68 0.0 0.0 0.0



#33

Benzene

Concen: 2.889 ug/L

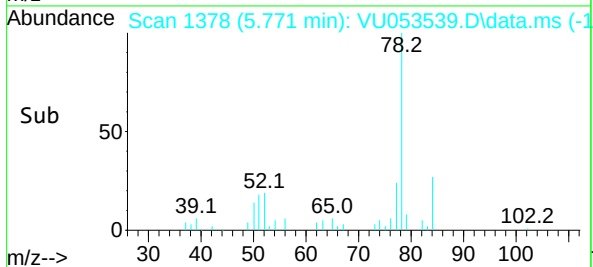
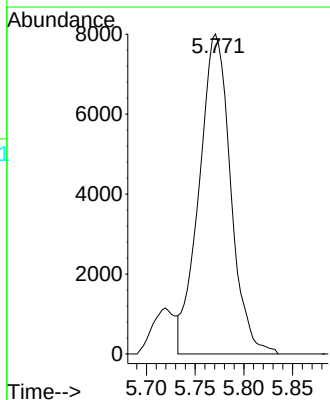
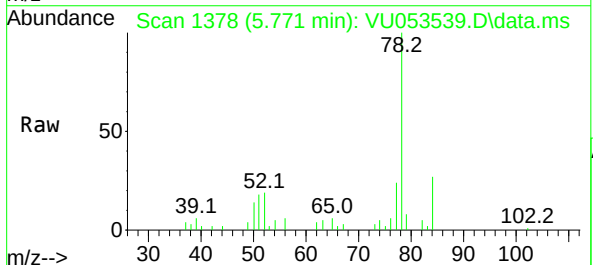
RT: 5.771 min Scan# 1378

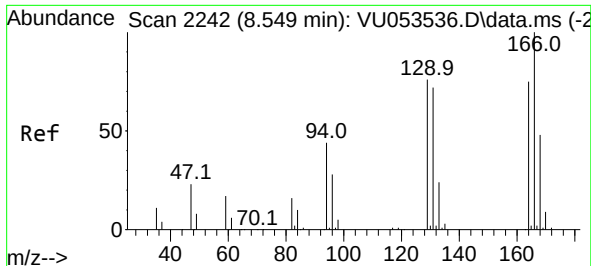
Delta R.T. 0.003 min

Lab File: VU053539.D

Acq: 03 Apr 2023 23:33

Tgt Ion: 78 Resp: 18003

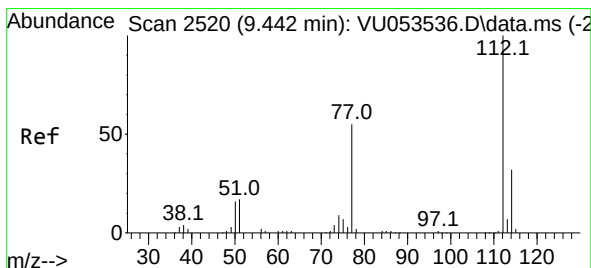
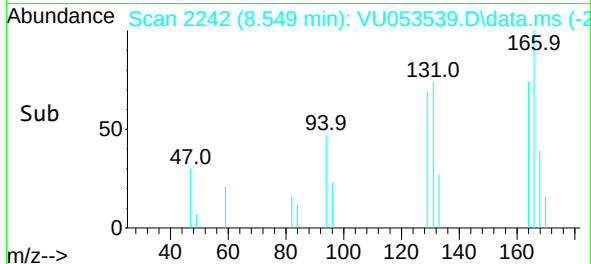
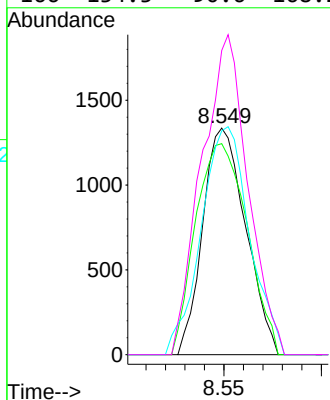
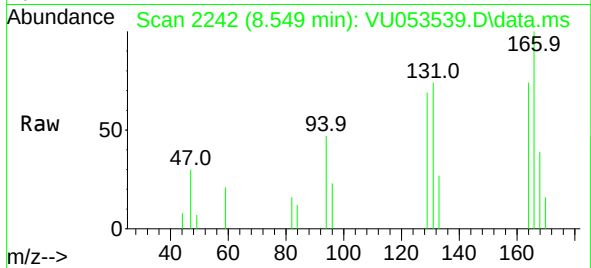




#46
Tetrachloroethene
Concen: 1.308 ug/L
RT: 8.549 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

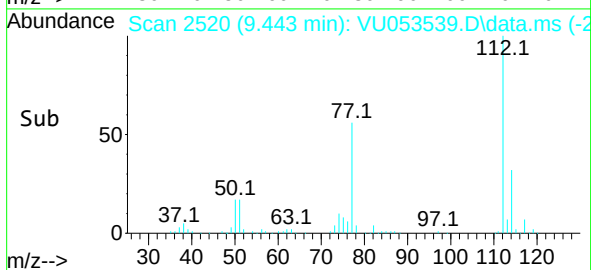
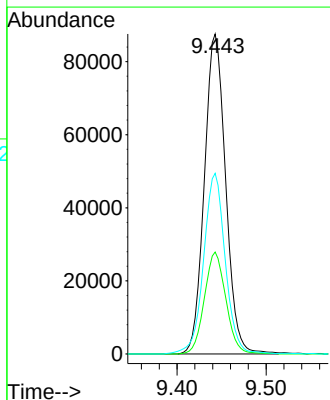
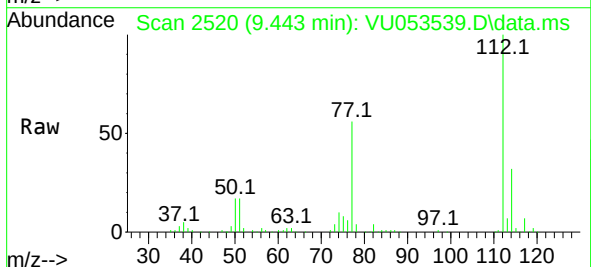
Instrument :
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PMW-7D(20230329)

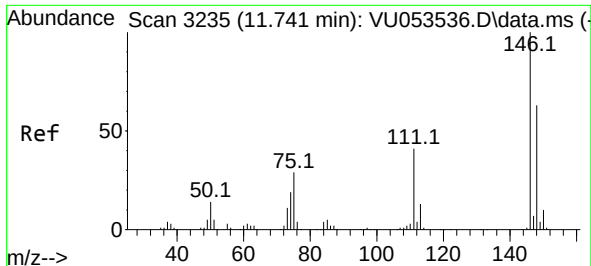
Tgt Ion:164	Resp:	2045
Ion	Ratio	Lower Upper
164	100	
129	93.1	64.0 119.0
131	98.8	61.9 115.1
166	134.3	90.6 168.2



#51
Chlorobenzene
Concen: 29.939 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

Tgt Ion:112	Resp:	145661
Ion	Ratio	Lower Upper
112	100	
114	31.8	22.2 41.2
77	56.5	41.3 61.9

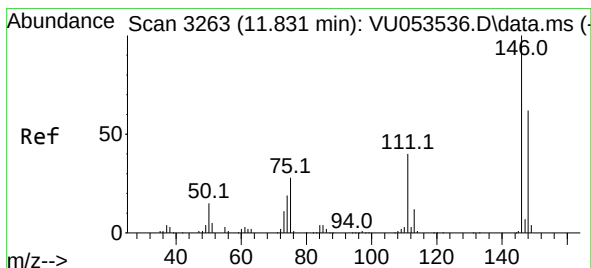
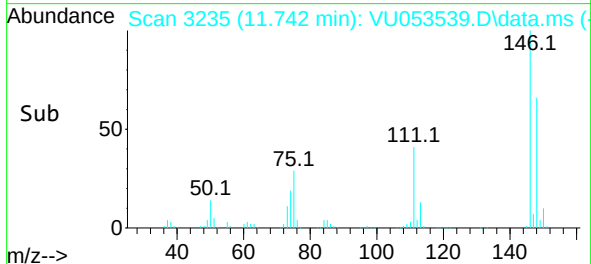
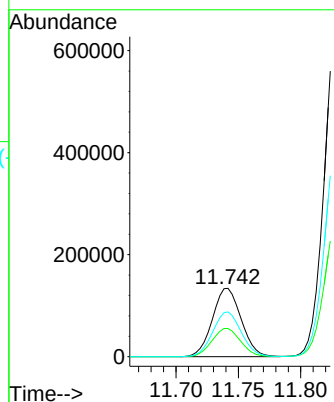
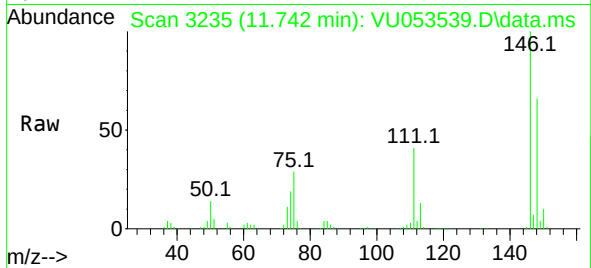




#64
1,3-Dichlorobenzene
Concen: 53.784 ug/L
RT: 11.742 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

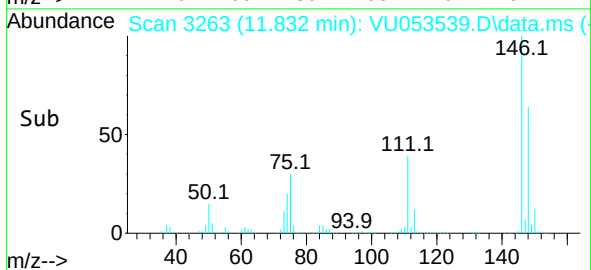
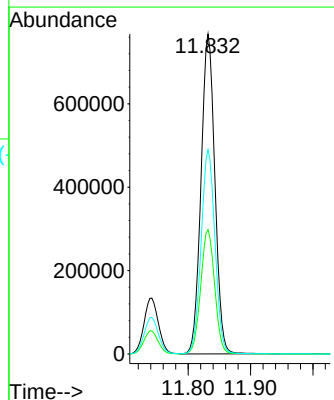
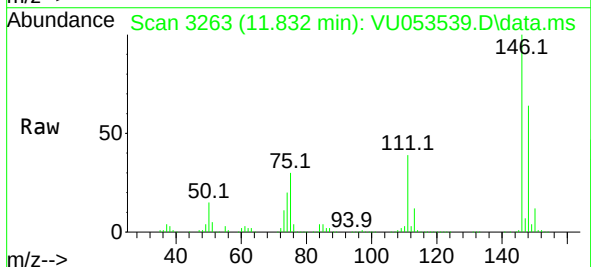
Instrument :
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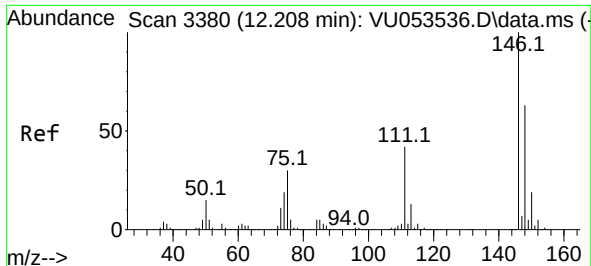
Tgt Ion:146 Resp: 215467
Ion Ratio Lower Upper
146 100
111 41.3 25.7 47.7
148 65.5 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 290.030 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053539.D
Acq: 03 Apr 2023 23:33

Tgt Ion:146 Resp: 1184206
Ion Ratio Lower Upper
146 100
111 38.8 25.1 46.5
148 63.8 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 4.764 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053539.D

Acq: 03 Apr 2023 23:33

Instrument :

MSVOA_U

ClientSampleId :

PMW-7D(20230329)

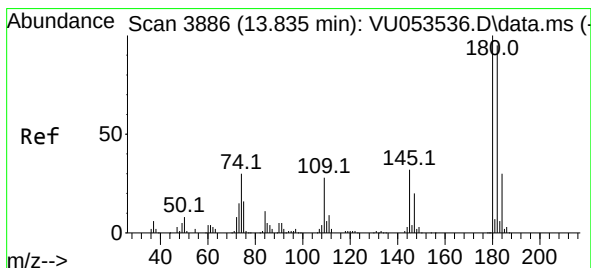
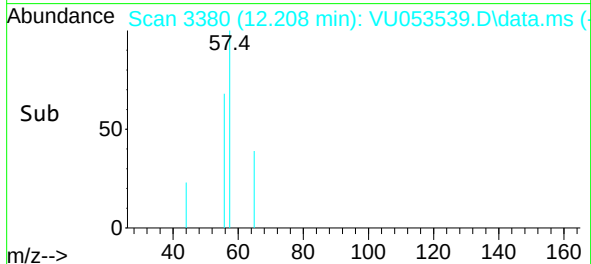
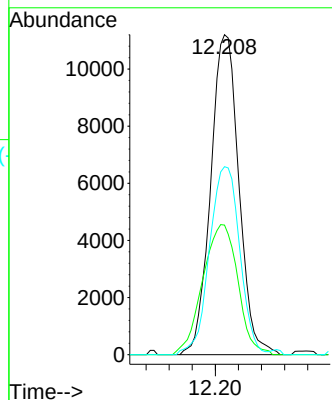
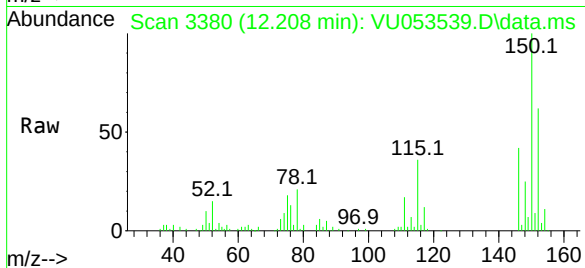
Tgt Ion:146 Resp: 19022

Ion Ratio Lower Upper

146 100

111 40.5 31.5 47.3

148 58.8 51.6 77.4



#70

1,2,4-trichlorobenzene

Concen: 6.655 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053539.D

Acq: 03 Apr 2023 23:33

Tgt Ion:180 Resp: 18306

Ion Ratio Lower Upper

180 100

182 96.3 75.8 113.8

145 31.8 23.4 35.2

