

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053538.D
 Acq On : 03 Apr 2023 23:09
 Operator : JC/MD
 Sample : 02158-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: Apr 04 06:57:36 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)

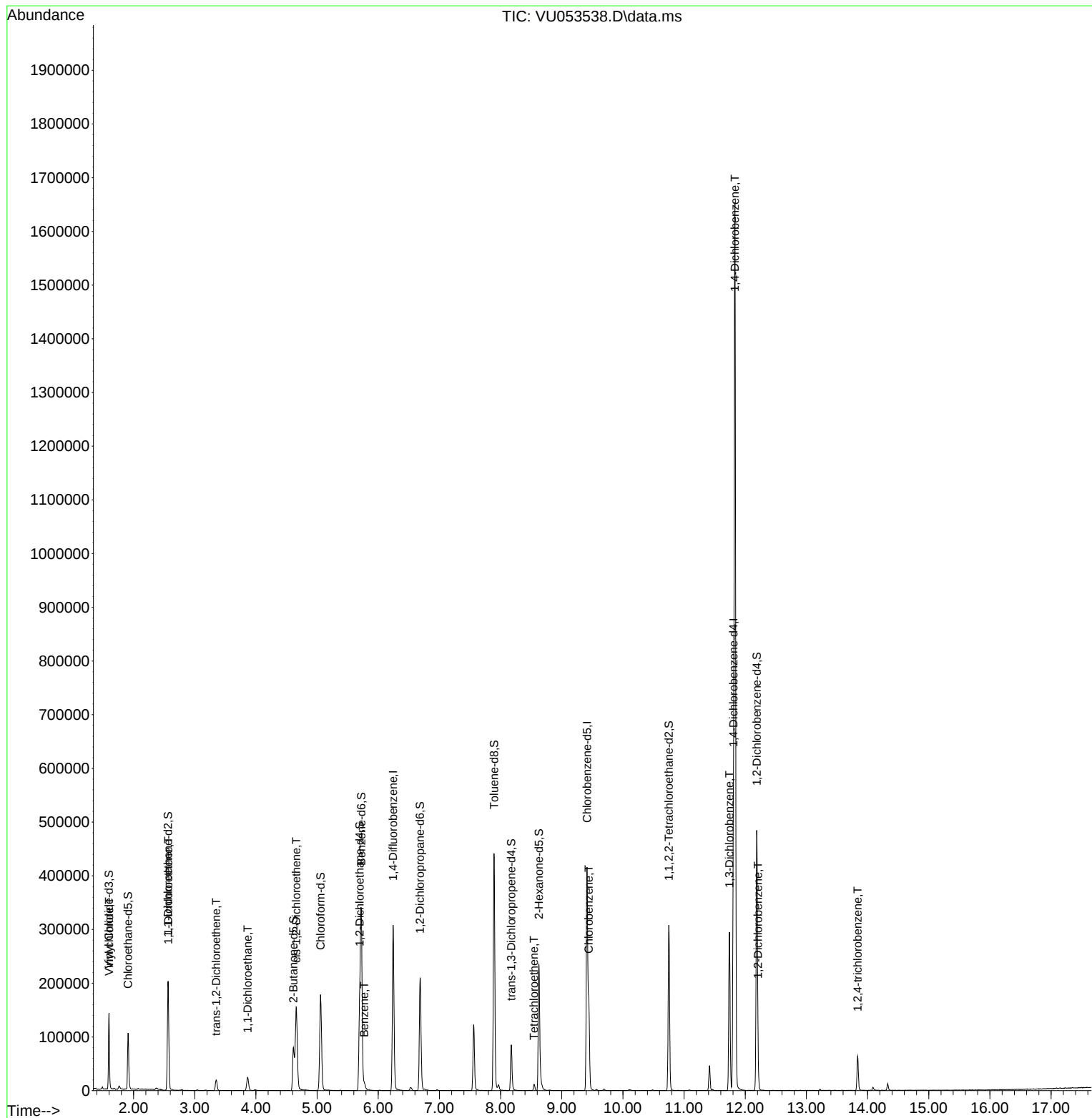
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	261044	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	241401	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	130121	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	92876	45.692	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.380%		
7) Chloroethane-d5	1.909	69	78812	50.288	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	100.580%		
11) 1,1-Dichloroethene-d2	2.565	63	113950	36.215	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.440%		
21) 2-Butanone-d5	4.613	46	111710	121.385	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	121.390%		
24) Chloroform-d	5.057	84	161509	48.045	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.080%		
26) 1,2-Dichloroethane-d4	5.697	65	103949	52.330	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.660%		
32) Benzene-d6	5.722	84	331003	50.798	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.600%		
36) 1,2-Dichloropropane-d6	6.684	67	102677	51.553	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.100%		
41) Toluene-d8	7.893	98	311521	48.101	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.200%		
43) trans-1,3-Dichloroprop...	8.176	79	50152	48.782	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.560%		
47) 2-Hexanone-d5	8.626	63	85681	126.051	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	126.050%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	150027	53.445	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	106.880%		
66) 1,2-Dichlorobenzene-d4	12.188	152	128625	47.357	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.720%		
Target Compounds						Qvalue
5) Vinyl chloride	1.600	62	6326	3.135	ug/L #	69
12) 1,1-Dichloroethene	2.568	96	2185	1.364	ug/L #	1
17) trans-1,2-Dichloroethene	3.350	96	8607	5.347	ug/L	93
19) 1,1-Dichloroethane	3.864	63	27136	10.176	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	83029	44.654	ug/L	93
33) Benzene	5.771	78	10085	1.603	ug/L	100
46) Tetrachloroethene	8.545	164	2766	1.752	ug/L	85
51) Chlorobenzene	9.443	112	87961	17.911	ug/L	96
64) 1,3-Dichlorobenzene	11.741	146	121739	30.284	ug/L	97
65) 1,4-Dichlorobenzene	11.832	146	668195	163.094	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	11239	2.805	ug/L	97
70) 1,2,4-trichlorobenzene	13.838	180	20953	7.592	ug/L	98

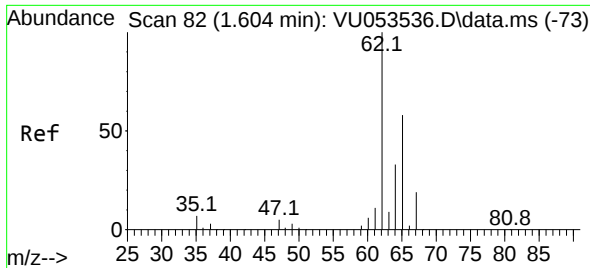
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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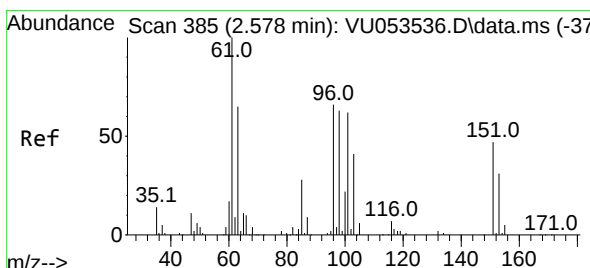
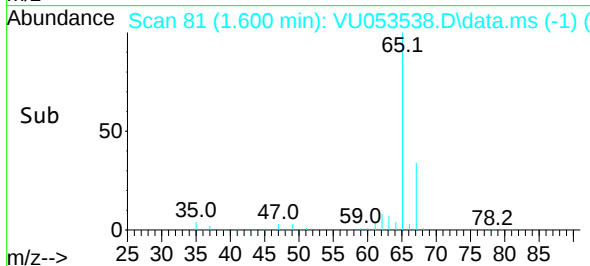
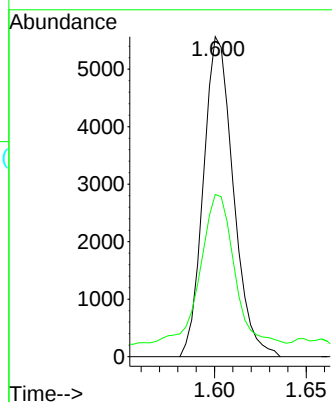
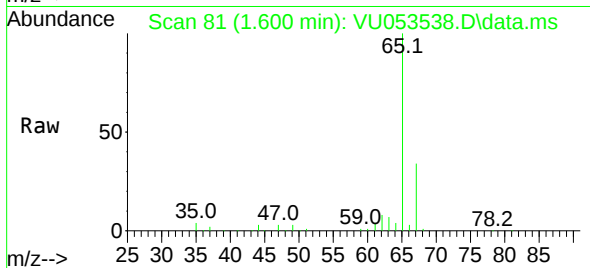




#5
 Vinyl chloride
 Concen: 3.135 ug/L
 RT: 1.600 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU053538.D
 Acq: 03 Apr 2023 23:09

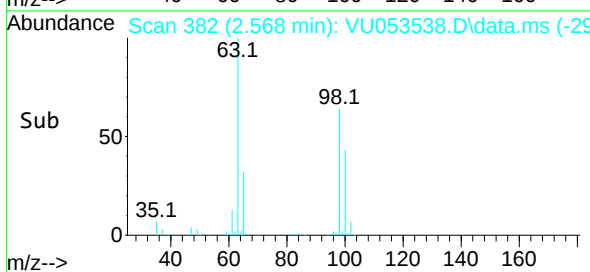
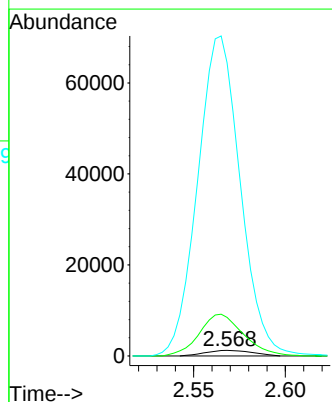
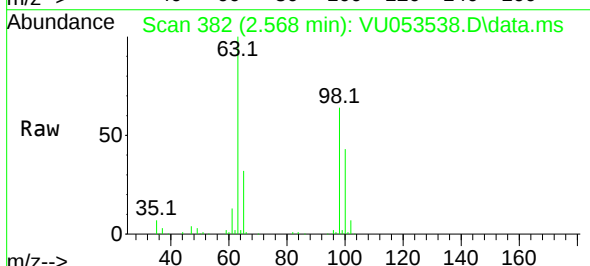
Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-7S(20230329)

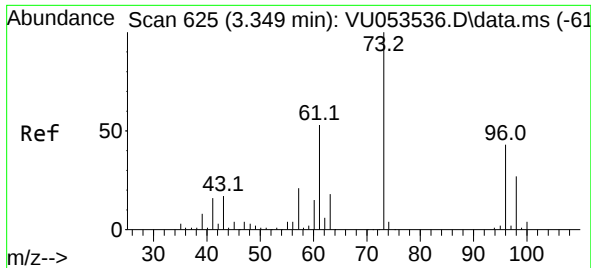
Tgt Ion: 62 Resp: 6326
 Ion Ratio Lower Upper
 62 100
 64 50.7 23.2 43.0#



#12
 1,1-Dichloroethene
 Concen: 1.364 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.010 min
 Lab File: VU053538.D
 Acq: 03 Apr 2023 23:09

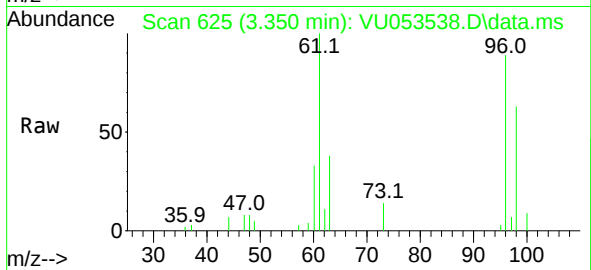
Tgt Ion: 96 Resp: 2185
 Ion Ratio Lower Upper
 96 100
 61 690.7 107.9 200.5#
 63 5257.8 79.1 146.9#



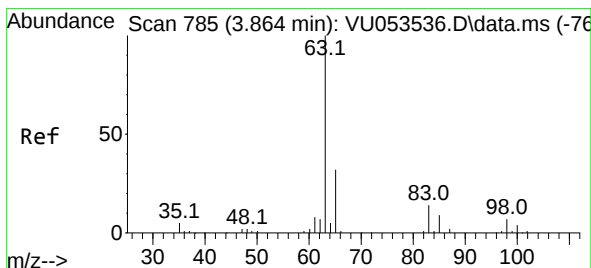
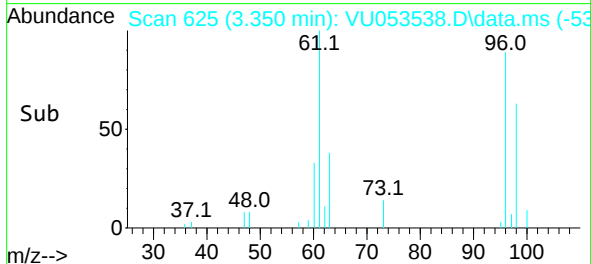
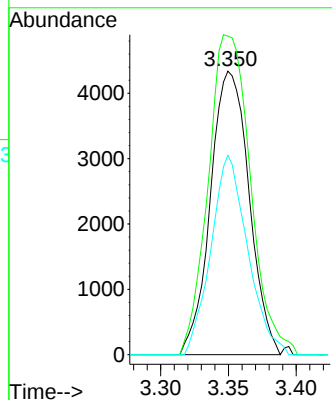


#17
trans-1,2-Dichloroethene
Concen: 5.347 ug/L
RT: 3.350 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

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

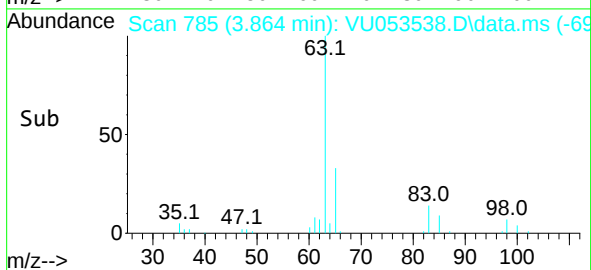
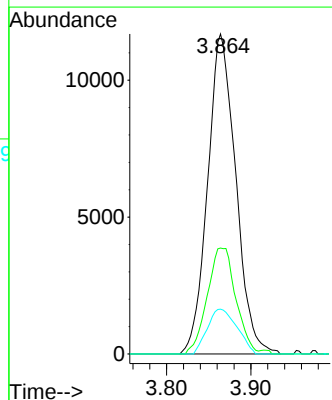
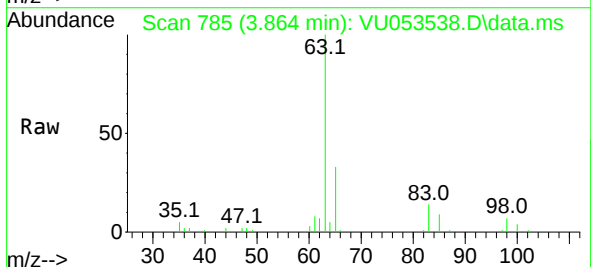


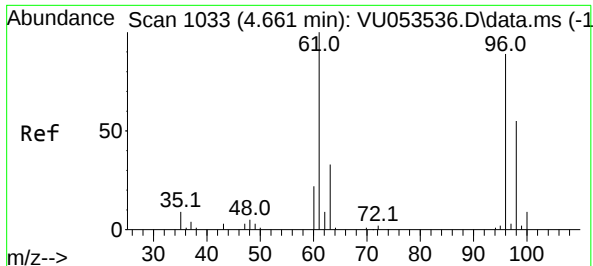
Tgt Ion:	96	Resp:	8607
Ion	Ratio	Lower	Upper
96	100		
61	112.4	84.4	156.8
98	70.3	46.0	85.4



#19
1,1-Dichloroethane
Concen: 10.176 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

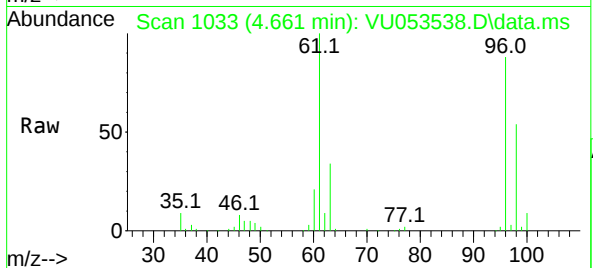
Tgt Ion:	63	Resp:	27136
Ion	Ratio	Lower	Upper
63	100		
65	33.1	22.0	41.0
83	14.0	10.8	20.0



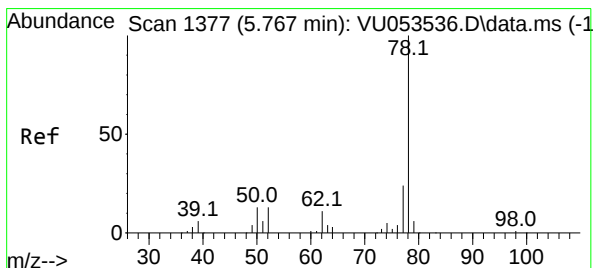
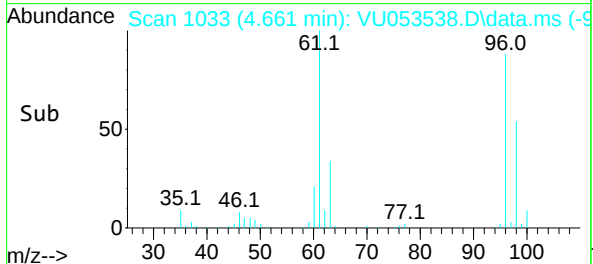
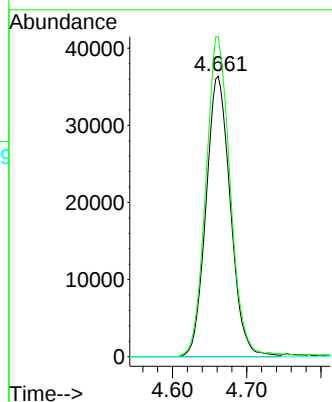


#20
cis-1,2-Dichloroethene
Concen: 44.654 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

Instrument :
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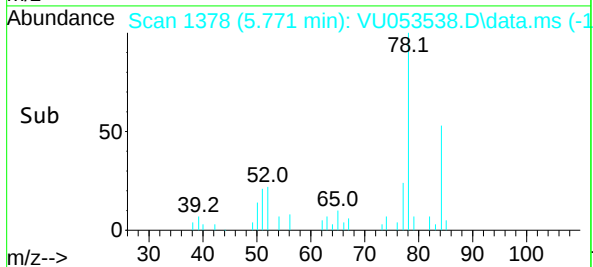
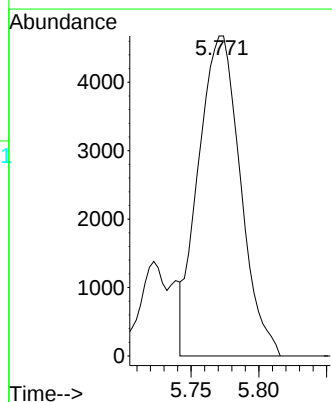
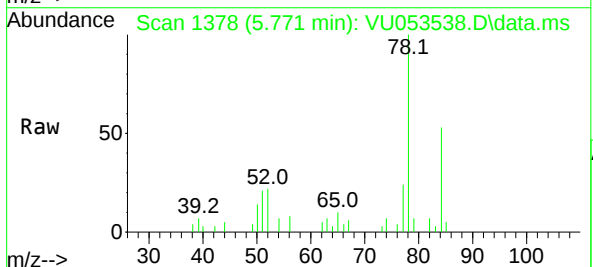


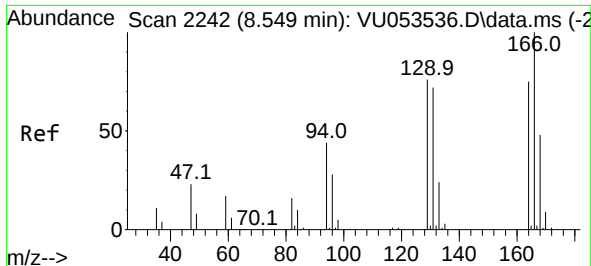
Tgt Ion: 96 Resp: 83029
Ion Ratio Lower Upper
96 100
61 114.1 74.7 138.7
68 0.0 0.0 0.0



#33
Benzene
Concen: 1.603 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

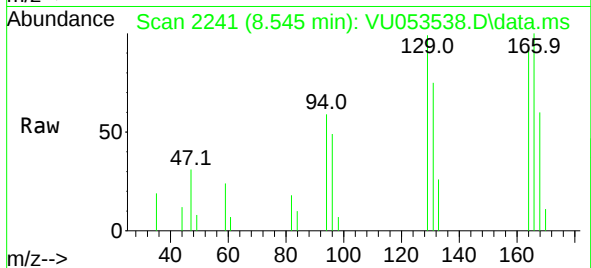
Tgt Ion: 78 Resp: 10085



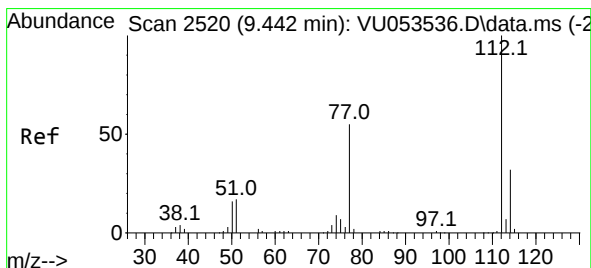
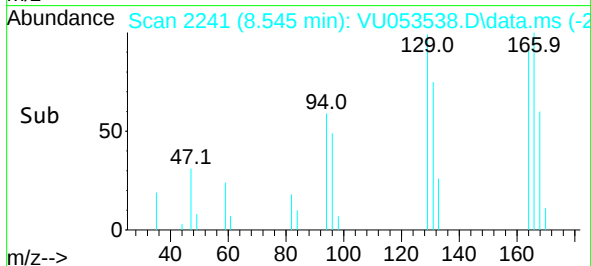
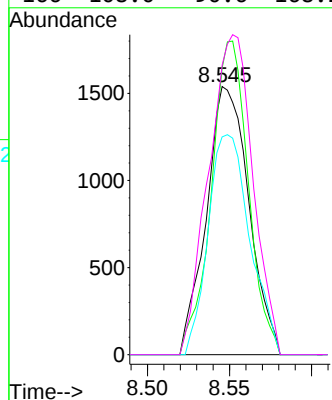


#46
Tetrachloroethene
Concen: 1.752 ug/L
RT: 8.545 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

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

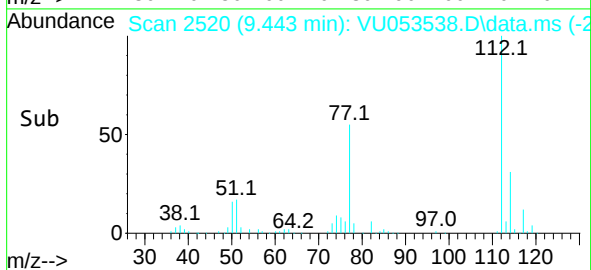
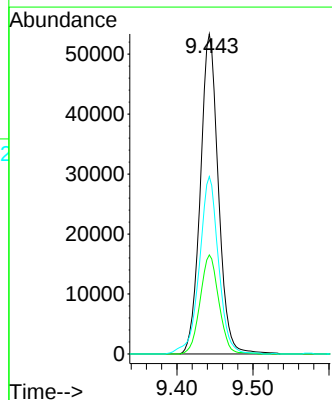
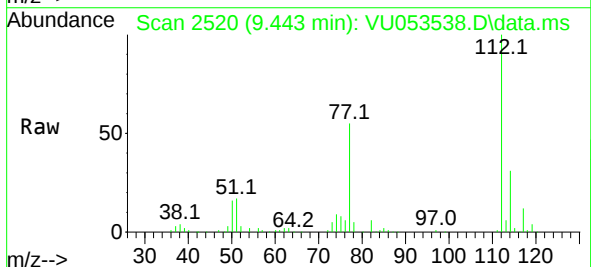


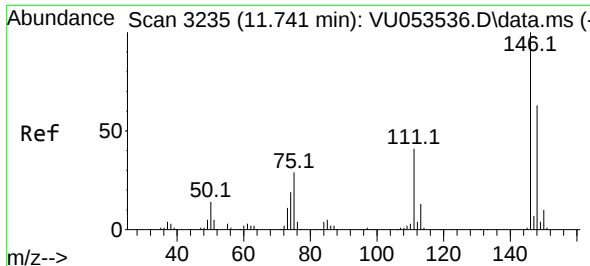
Tgt Ion:	164	Resp:	2766
Ion	Ratio	Lower	Upper
164	100		
129	106.9	64.0	119.0
131	81.2	61.9	115.1
166	108.0	90.6	168.2



#51
Chlorobenzene
Concen: 17.911 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

Tgt Ion:	112	Resp:	87961
Ion	Ratio	Lower	Upper
112	100		
114	30.9	22.2	41.2
77	55.5	41.3	61.9

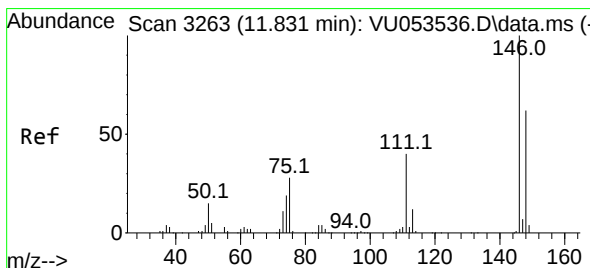
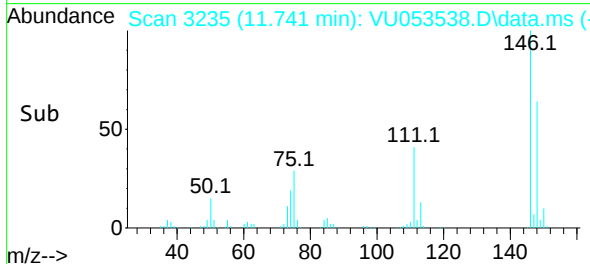
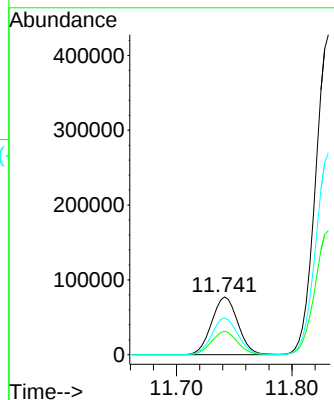
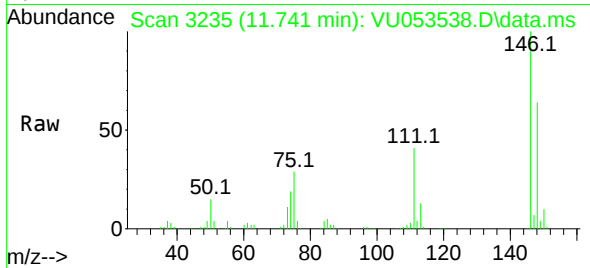




#64
1,3-Dichlorobenzene
Concen: 30.284 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

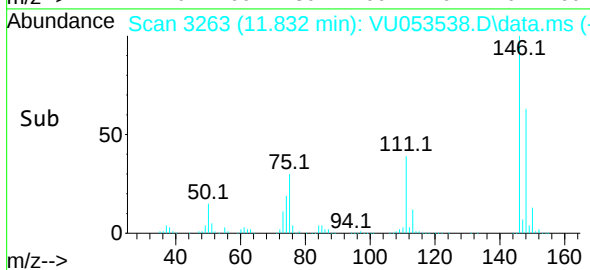
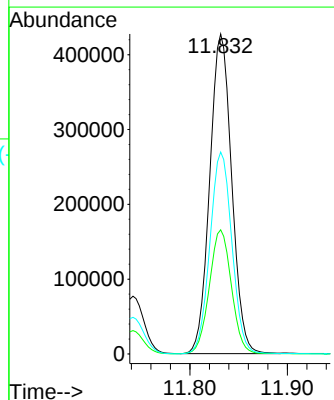
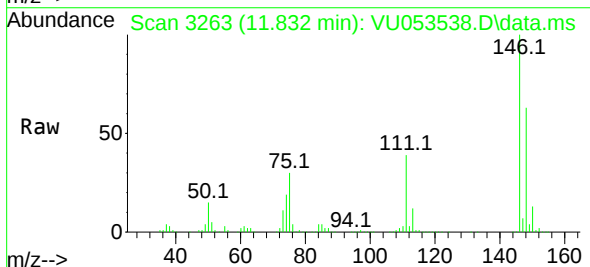
Instrument :
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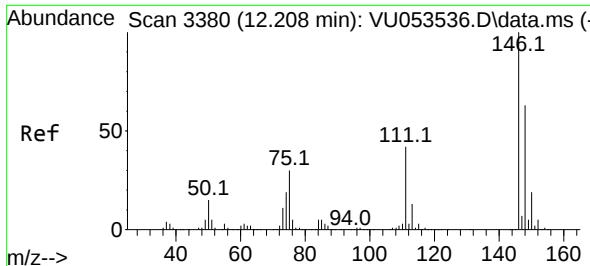
Tgt Ion:146 Resp: 121739
Ion Ratio Lower Upper
146 100
111 40.5 25.7 47.7
148 63.6 44.2 82.2



#65
1,4-Dichlorobenzene
Concen: 163.094 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053538.D
Acq: 03 Apr 2023 23:09

Tgt Ion:146 Resp: 668195
Ion Ratio Lower Upper
146 100
111 38.8 25.1 46.5
148 63.1 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 2.805 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053538.D

Acq: 03 Apr 2023 23:09

Instrument :

MSVOA_U

ClientSampleId :

PMW-7S(20230329)

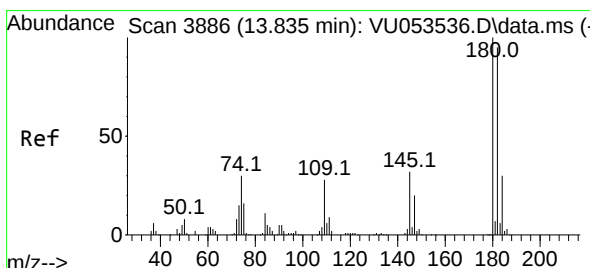
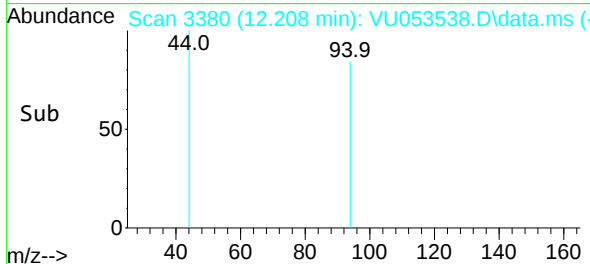
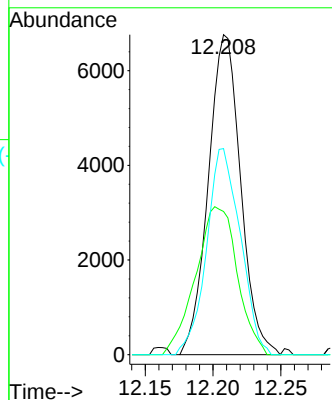
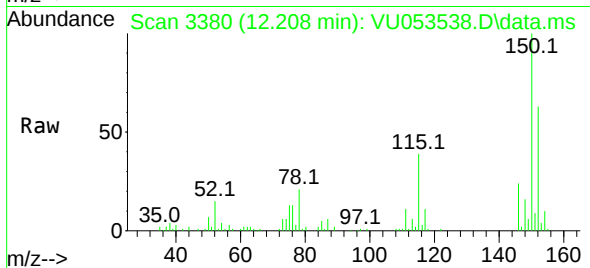
Tgt Ion:146 Resp: 11239

Ion Ratio Lower Upper

146 100

111 44.7 31.5 47.3

148 64.4 51.6 77.4



#70

1,2,4-trichlorobenzene

Concen: 7.592 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU053538.D

Acq: 03 Apr 2023 23:09

Tgt Ion:180 Resp: 20953

Ion Ratio Lower Upper

180 100

182 91.9 75.8 113.8

145 29.2 23.4 35.2

