

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040323\
 Data File : VU053548.D
 Acq On : 04 Apr 2023 03:06
 Operator : JC/MD
 Sample : 02158-23
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PMW-3(20230331)

Quant Time: Apr 04 06:59:02 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)

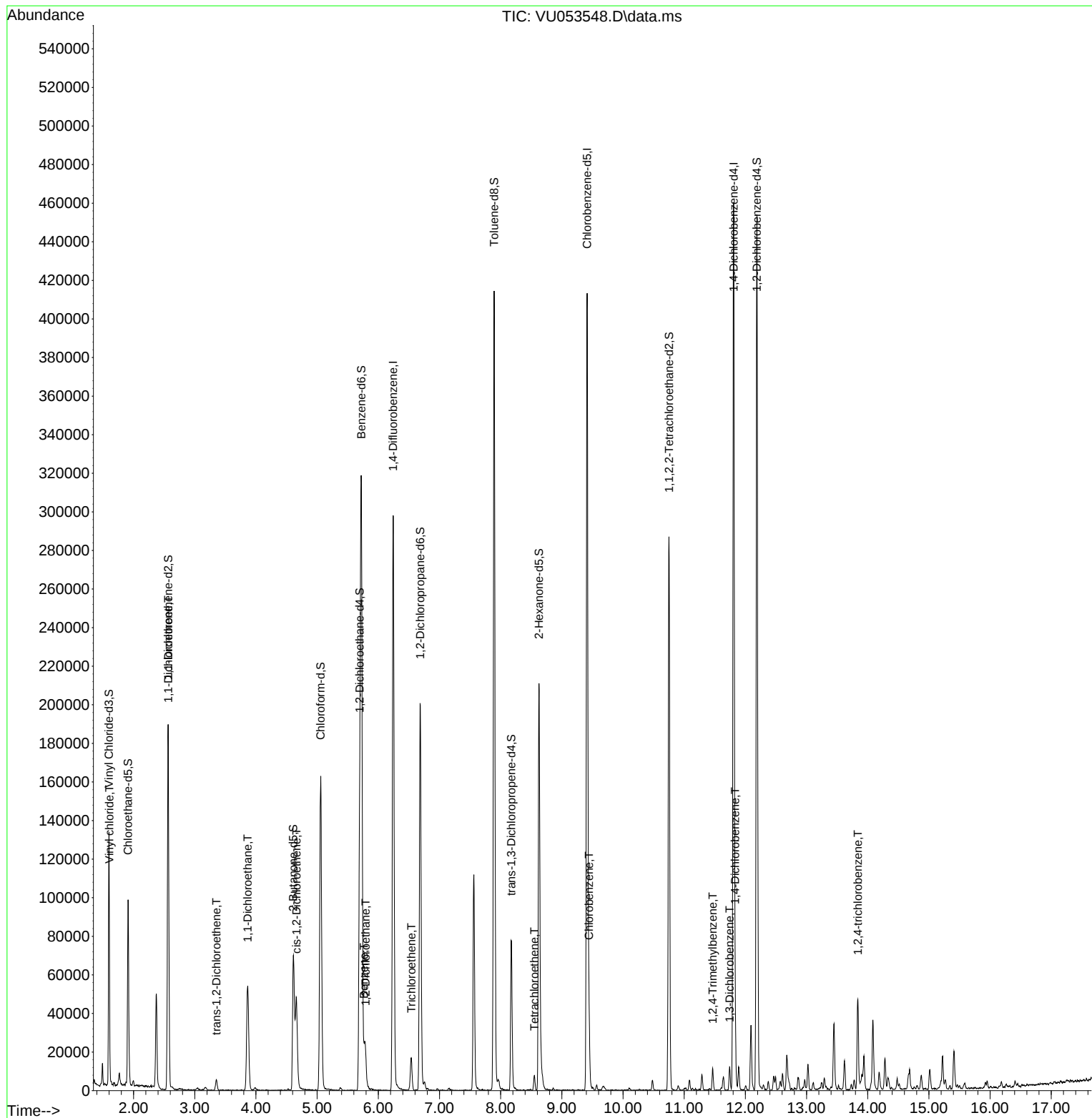
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	256691	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	241371	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	126010	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	85851	42.952	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.900%		
7) Chloroethane-d5	1.909	69	72456	47.016	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.040%		
11) 1,1-Dichloroethene-d2	2.565	63	104369	33.733	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.460%		
21) 2-Butanone-d5	4.610	46	96340	106.459	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	106.460%		
24) Chloroform-d	5.057	84	151931	45.962	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.920%		
26) 1,2-Dichloroethane-d4	5.697	65	97199	49.762	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.520%		
32) Benzene-d6	5.722	84	311551	47.819	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.640%		
36) 1,2-Dichloropropane-d6	6.684	67	98545	49.485	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.960%		
41) Toluene-d8	7.893	98	289165	44.655	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.300%		
43) trans-1,3-Dichloroprop...	8.172	79	45751	44.507	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.020%		
47) 2-Hexanone-d5	8.626	63	74348	109.392	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	109.390%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	138321	49.281	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	98.560%		
66) 1,2-Dichlorobenzene-d4	12.188	152	120029	45.634	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.260%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	5399	2.721	ug/L #	65
12) 1,1-Dichloroethene	2.568	96	1887	1.198	ug/L #	1
17) trans-1,2-Dichloroethene	3.353	96	2361	1.492	ug/L	77
19) 1,1-Dichloroethane	3.864	63	63491	24.213	ug/L	95
20) cis-1,2-Dichloroethene	4.661	96	23306	12.747	ug/L	90
27) 1,2-Dichloroethane	5.793	62	11985	5.441	ug/L	100
33) Benzene	5.767	78	16497	2.623	ug/L	100
34) Trichloroethene	6.539	95	5346	2.811	ug/L	91
46) Tetrachloroethene	8.552	164	1764	1.118	ug/L	93
51) Chlorobenzene	9.443	112	19529	3.977	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	6540	1.066	ug/L	96
64) 1,3-Dichlorobenzene	11.741	146	5122	1.316	ug/L	89
65) 1,4-Dichlorobenzene	11.832	146	13767	3.470	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	13154	4.922	ug/L #	93

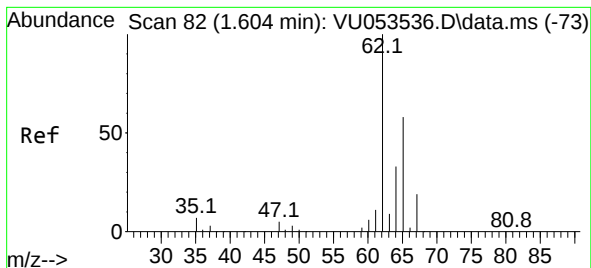
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 01 04:51:17 2023
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#5

Vinyl chloride

Concen: 2.721 ug/L

RT: 1.604 min Scan# 81

Delta R.T. -0.000 min

Lab File: VU053548.D

Acq: 04 Apr 2023 03:06

Instrument :

MSVOA_U

ClientSampleId :

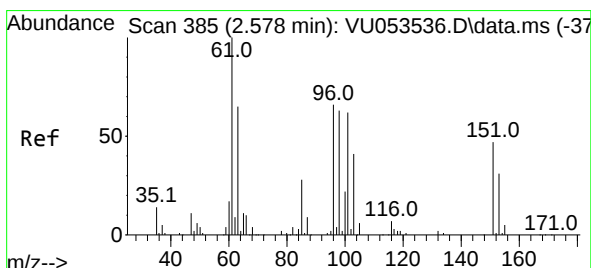
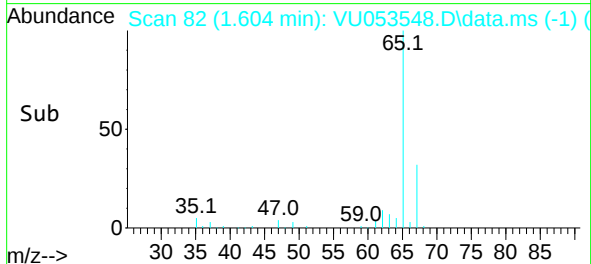
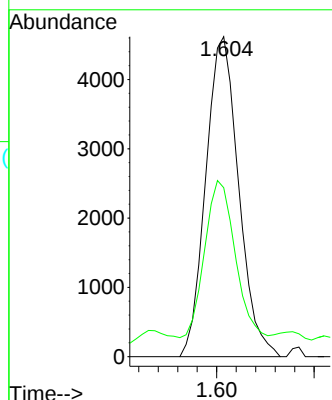
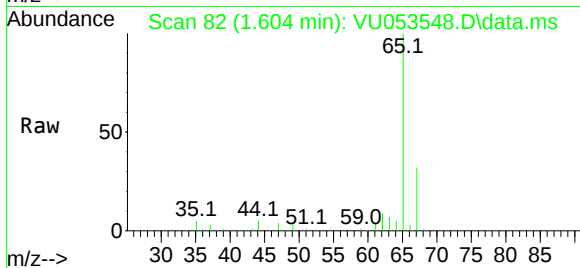
PMW-3(20230331)

Tgt Ion: 62 Resp: 5399

Ion Ratio Lower Upper

62 100

64 52.8 23.2 43.0#



#12

1,1-Dichloroethene

Concen: 1.198 ug/L

RT: 2.568 min Scan# 382

Delta R.T. -0.010 min

Lab File: VU053548.D

Acq: 04 Apr 2023 03:06

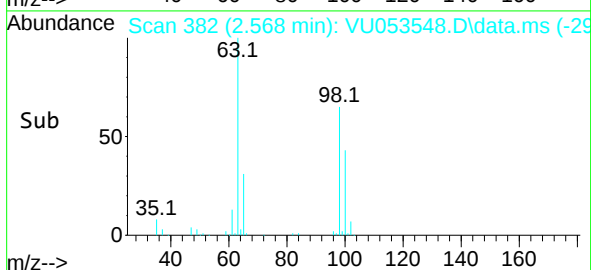
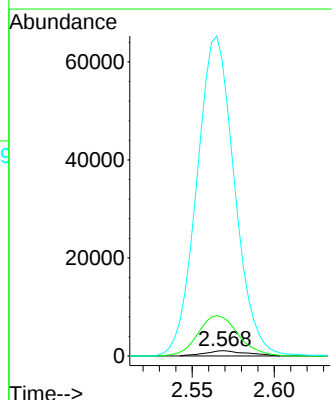
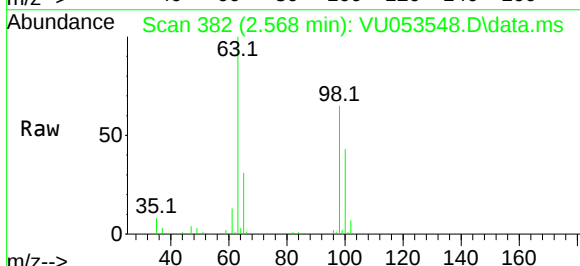
Tgt Ion: 96 Resp: 1887

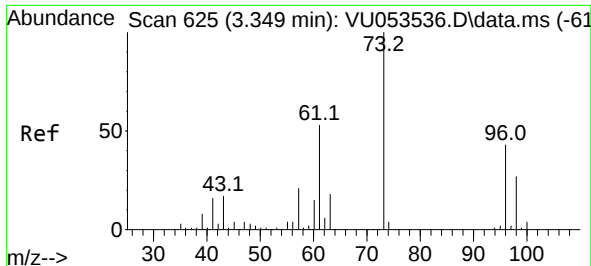
Ion Ratio Lower Upper

96 100

61 733.9 107.9 200.5#

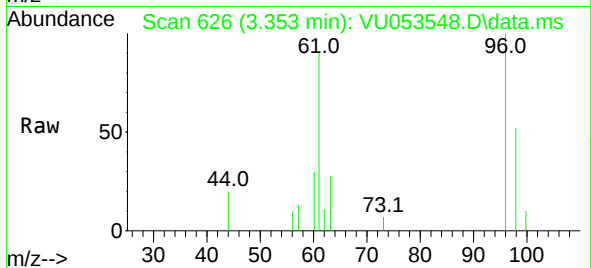
63 5588.1 79.1 146.9#





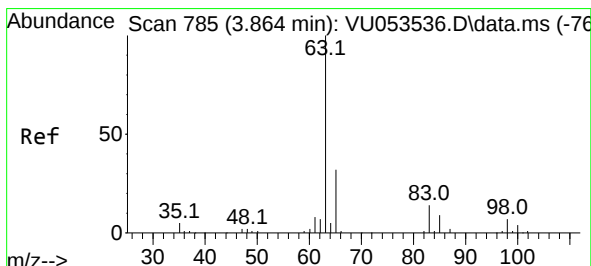
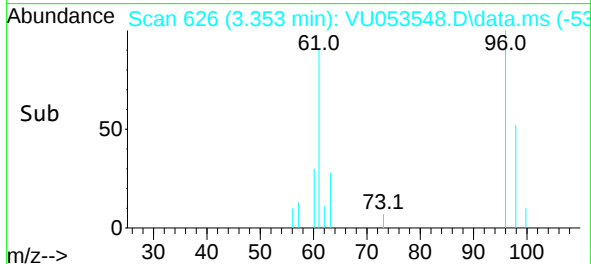
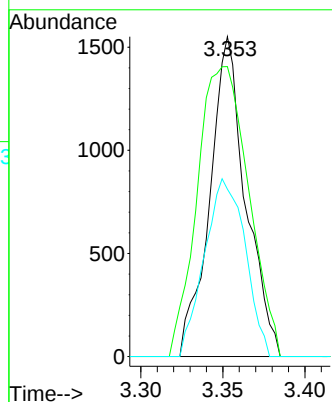
#17
trans-1,2-Dichloroethene
Concen: 1.492 ug/L
RT: 3.353 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053548.D
Acq: 04 Apr 2023 03:06

Instrument :
MSVOA_U
ClientSampleId :
PMW-3(20230331)



Tgt Ion: 96 Resp: 2361

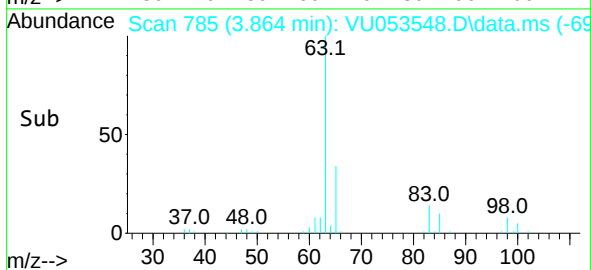
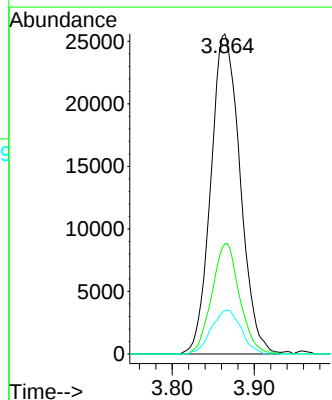
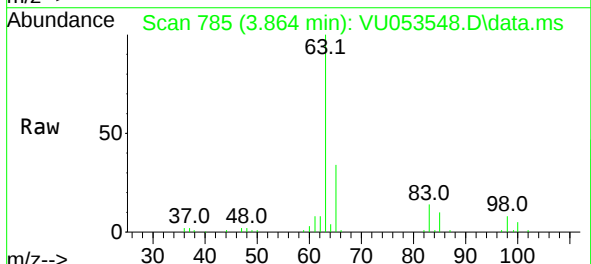
Ion	Ratio	Lower	Upper
96	100		
61	90.7	84.4	156.8
98	52.4	46.0	85.4

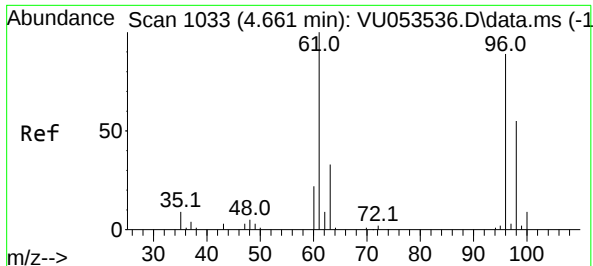


#19
1,1-Dichloroethane
Concen: 24.213 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.000 min
Lab File: VU053548.D
Acq: 04 Apr 2023 03:06

Tgt Ion: 63 Resp: 63491

Ion	Ratio	Lower	Upper
63	100		
65	34.4	22.0	41.0
83	13.5	10.8	20.0

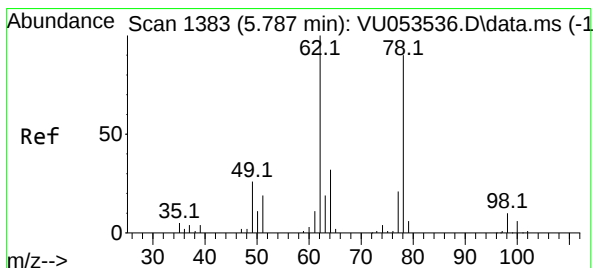
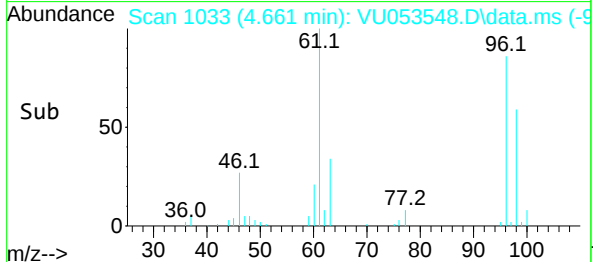
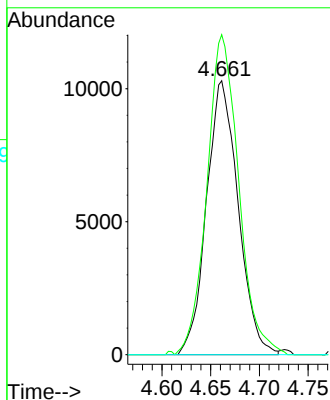
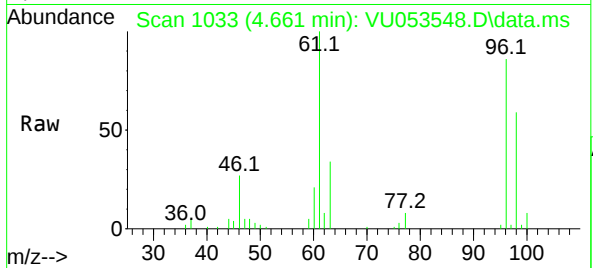




#20
cis-1,2-Dichloroethene
Concen: 12.747 ug/L
RT: 4.661 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VU053548.D
Acq: 04 Apr 2023 03:06

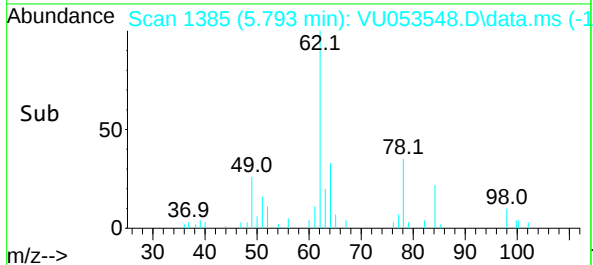
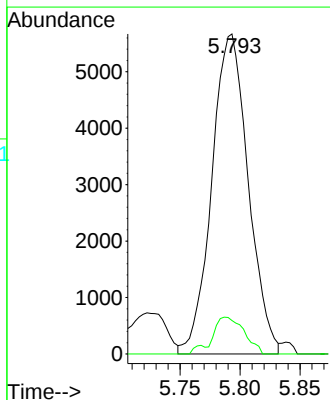
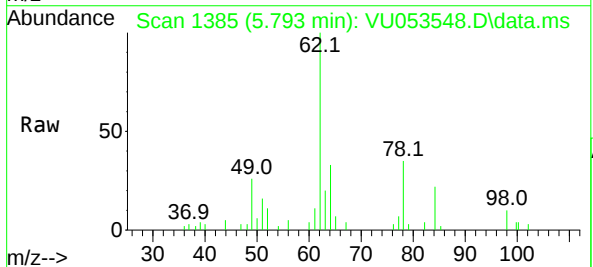
Instrument :
MSVOA_U
ClientSampleId :
PMW-3(20230331)

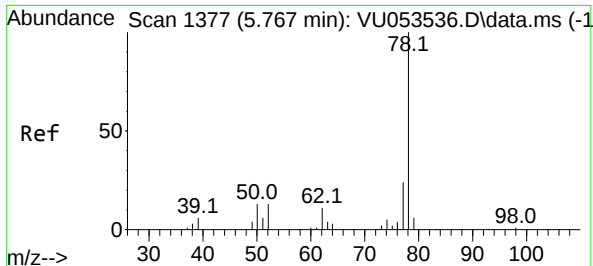
Tgt Ion: 96 Resp: 23306
Ion Ratio Lower Upper
96 100
61 116.9 74.7 138.7
68 0.0 0.0 0.0



#27
1,2-Dichloroethane
Concen: 5.441 ug/L
RT: 5.793 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VU053548.D
Acq: 04 Apr 2023 03:06

Tgt Ion: 62 Resp: 11985
Ion Ratio Lower Upper
62 100
98 10.4 8.3 12.5

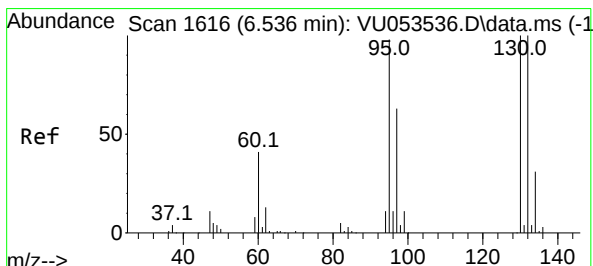
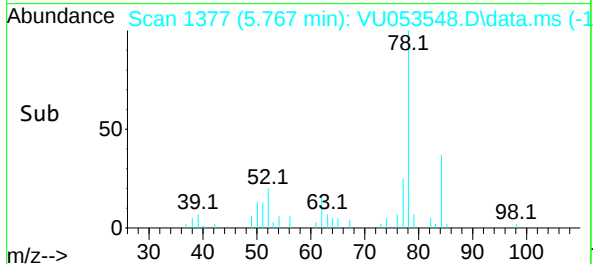
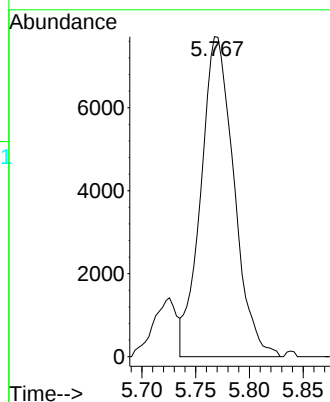
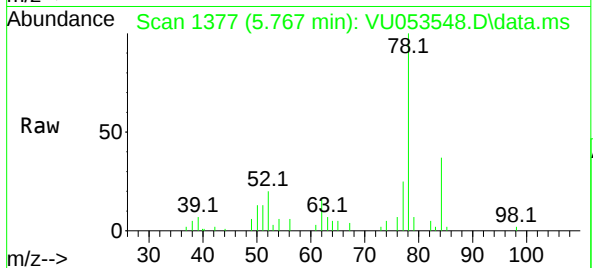




#33
Benzene
Concen: 2.623 ug/L
RT: 5.767 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053548.D
Acq: 04 Apr 2023 03:06

Instrument :
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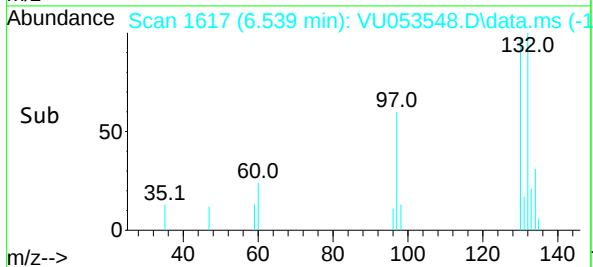
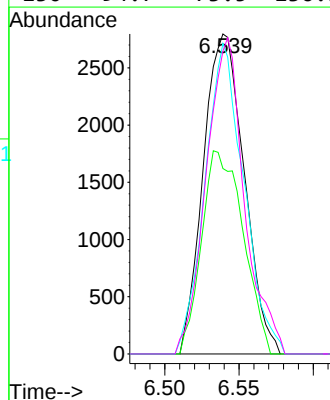
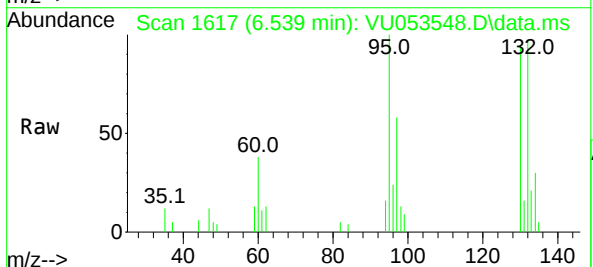
Tgt Ion: 78 Resp: 16497

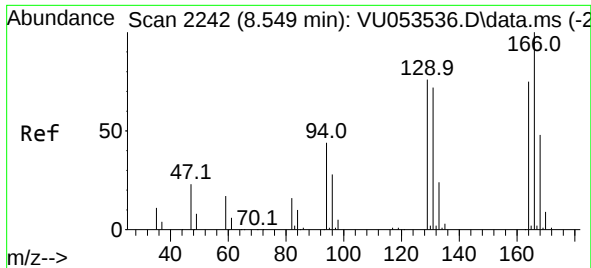


#34
Trichloroethene
Concen: 2.811 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.003 min
Lab File: VU053548.D
Acq: 04 Apr 2023 03:06

Tgt Ion: 95 Resp: 5346

Ion	Ratio	Lower	Upper
95	100		
97	58.0	45.1	83.7
132	97.0	74.1	137.5
130	94.7	73.5	136.5

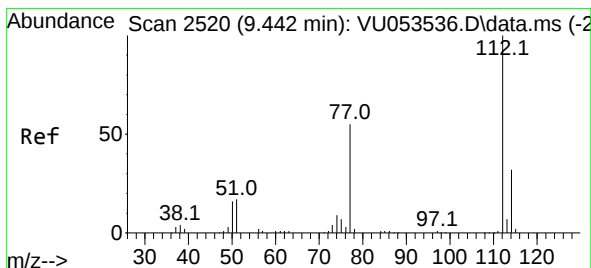
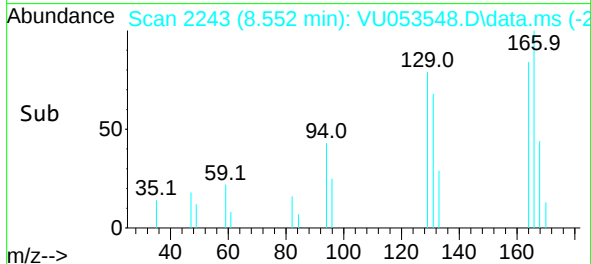
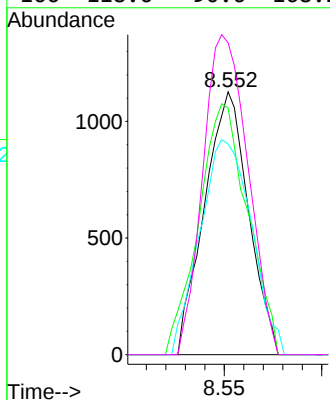
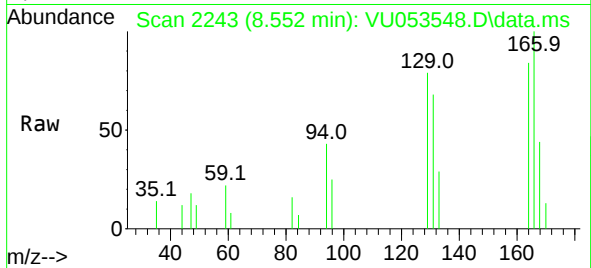




#46
Tetrachloroethene
Concen: 1.118 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU053548.D
Acq: 04 Apr 2023 03:06

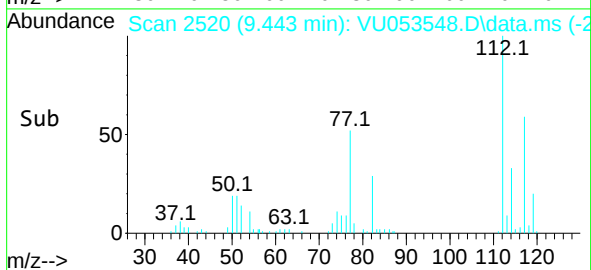
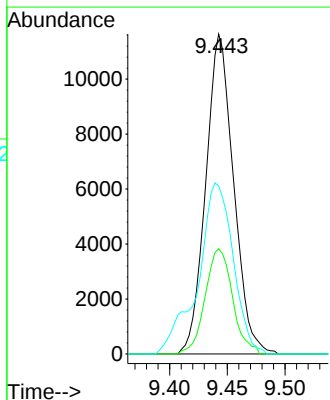
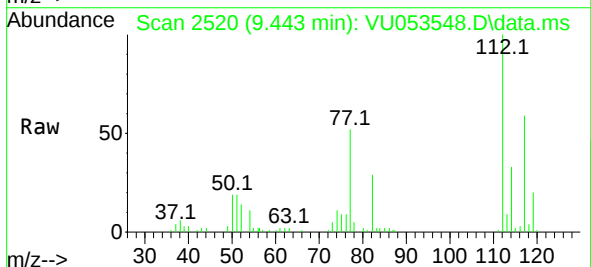
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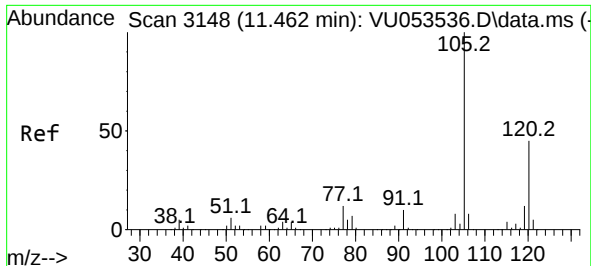
Tgt Ion:164	Resp:	1764
Ion	Ratio	Lower Upper
164	100	
129	93.8	64.0 119.0
131	80.1	61.9 115.1
166	118.6	90.6 168.2



#51
Chlorobenzene
Concen: 3.977 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053548.D
Acq: 04 Apr 2023 03:06

Tgt Ion:112	Resp:	19529
Ion	Ratio	Lower Upper
112	100	
114	32.9	22.2 41.2
77	52.4	41.3 61.9

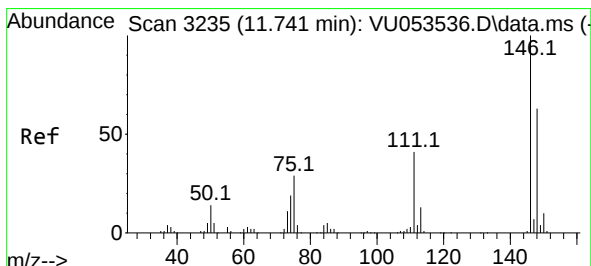
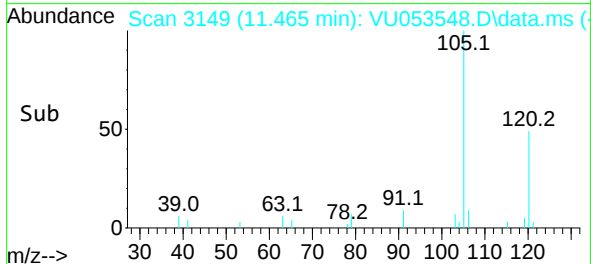
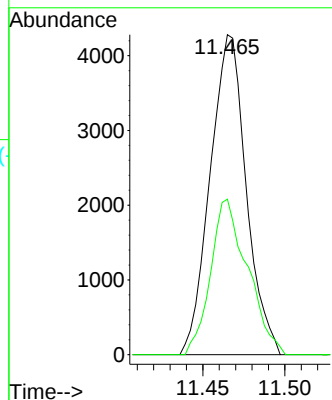
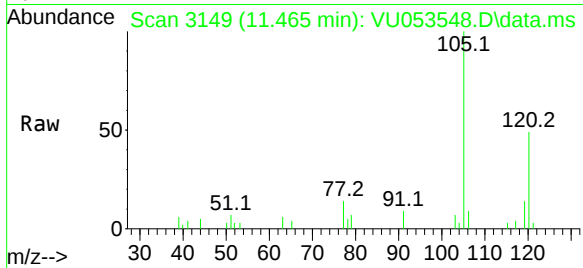




#63
1,2,4-Trimethylbenzene
Concen: 1.066 ug/L
RT: 11.465 min Scan# 3148
Delta R.T. 0.003 min
Lab File: VU053548.D
Acq: 04 Apr 2023 03:06

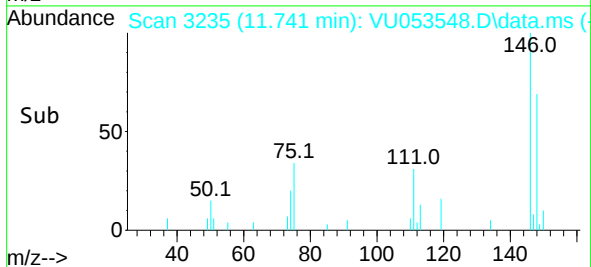
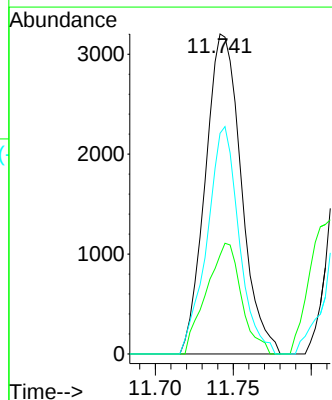
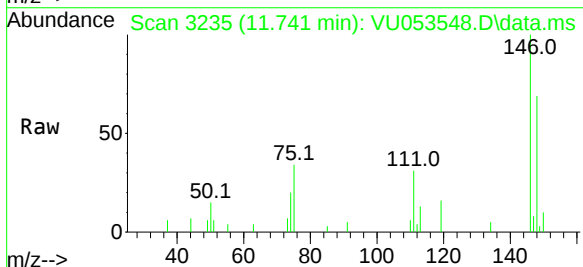
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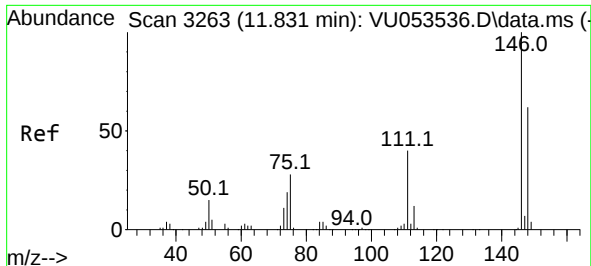
Tgt Ion:105 Resp: 6540
Ion Ratio Lower Upper
105 100
120 49.8 37.5 56.3



#64
1,3-Dichlorobenzene
Concen: 1.316 ug/L
RT: 11.741 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU053548.D
Acq: 04 Apr 2023 03:06

Tgt Ion:146 Resp: 5122
Ion Ratio Lower Upper
146 100
111 30.9 25.7 47.7
148 72.1 44.2 82.2

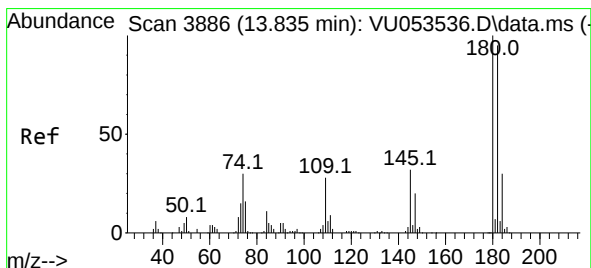
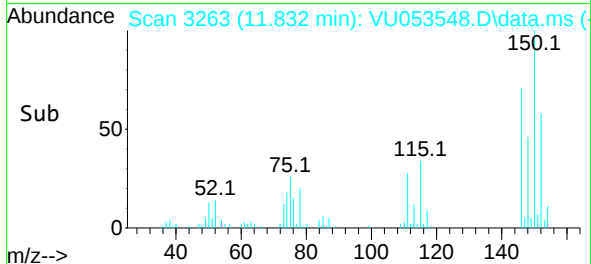
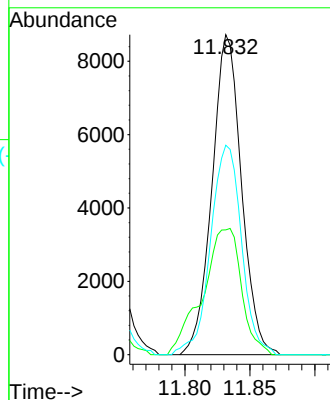
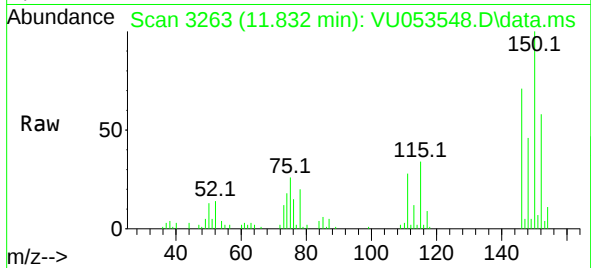




#65
1,4-Dichlorobenzene
Concen: 3.470 ug/L
RT: 11.832 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053548.D
Acq: 04 Apr 2023 03:06

Instrument :
MSVOA_U
ClientSampleId :
PMW-3(20230331)

Tgt Ion:146 Resp: 13767
Ion Ratio Lower Upper
146 100
111 39.0 25.1 46.5
148 65.5 44.3 82.3



#70
1,2,4-trichlorobenzene
Concen: 4.922 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU053548.D
Acq: 04 Apr 2023 03:06

Tgt Ion:180 Resp: 13154
Ion Ratio Lower Upper
180 100
182 97.7 75.8 113.8
145 39.2 23.4 35.2#

