

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU010623\
 Data File : VU052630.D
 Acq On : 06 Jan 2023 16:03
 Operator : JC/MD
 Sample : 01036-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COLD5

Quant Time: Jan 07 01:36:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM010623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 07 00:30:36 2023
 Response via : Initial Calibration

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

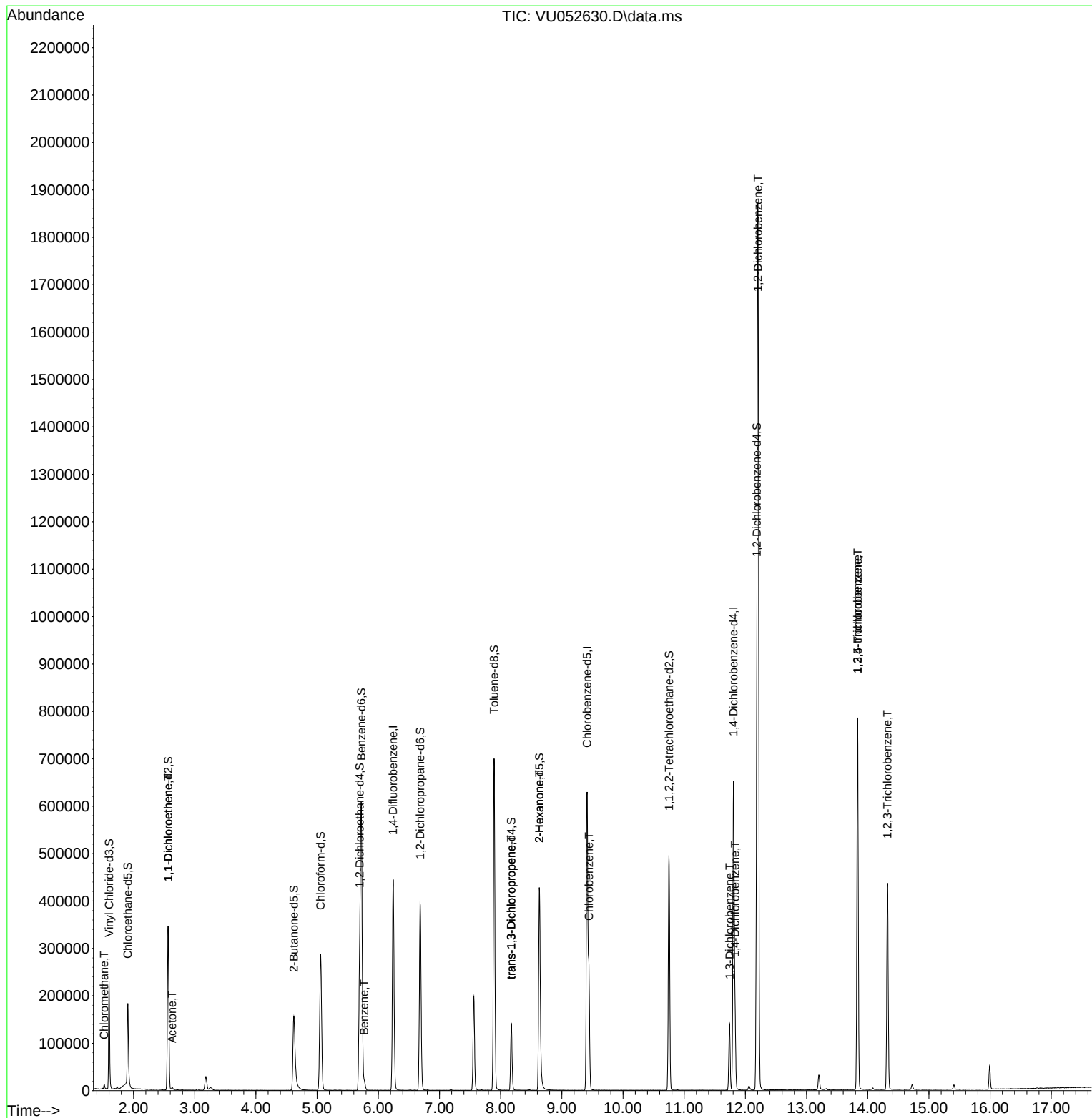
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	329560	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	320332	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	154809	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	168380	45.359	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	90.720%		
7) Chloroethane-d5	1.906	69	125630	43.256	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.520%		
11) 1,1-Dichloroethene-d2	2.565	63	219228	35.914	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.820%		
21) 2-Butanone-d5	4.620	46	237344	101.032	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	101.030%		
24) Chloroform-d	5.057	84	261743	44.858	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.720%		
26) 1,2-Dichloroethane-d4	5.697	65	184041	47.985	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.960%		
32) Benzene-d6	5.723	84	541863	48.909	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.820%		
36) 1,2-Dichloropropane-d6	6.684	67	190439	48.925	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	97.860%		
41) Toluene-d8	7.893	98	435366	46.345	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.700%		
43) trans-1,3-Dichloroprop...	8.173	79	77221	45.658	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.320%		
47) 2-Hexanone-d5	8.632	63	144651	105.465	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.460%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	250394	48.832	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.660%		
66) 1,2-Dichlorobenzene-d4	12.189	152	161380	54.293	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.580%		
Target Compounds						Qvalue
3) Chloromethane	1.520	50	6536	1.659	ug/L	96
12) 1,1-Dichloroethene	2.565	96	1583	0.683	ug/L #	1
13) Acetone	2.629	43	5766	2.421	ug/L	96
33) Benzene	5.771	78	15405	1.373	ug/L	100
44) trans-1,3-Dichloropropene	8.173	75	3515	0.837	ug/L #	67
48) 2-Hexanone	8.632	43	23166	6.358	ug/L #	75
51) Chlorobenzene	9.443	112	124485	18.140	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	52061	11.836	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	53280	11.497	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	626956	138.693	ug/L	100
69) 1,3,5-Trichlorobenzene	13.835	180	217114	69.900	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	217114	82.157	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	126068	46.434	ug/L	99

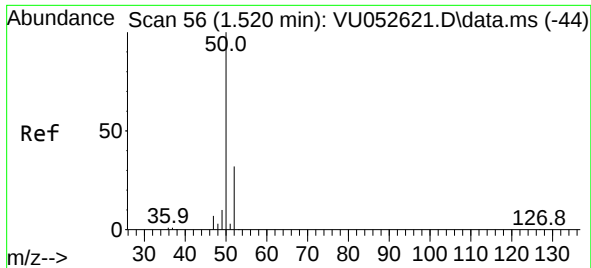
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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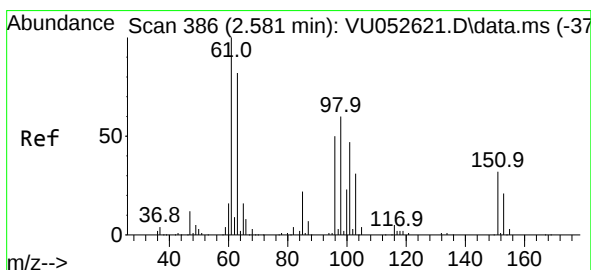
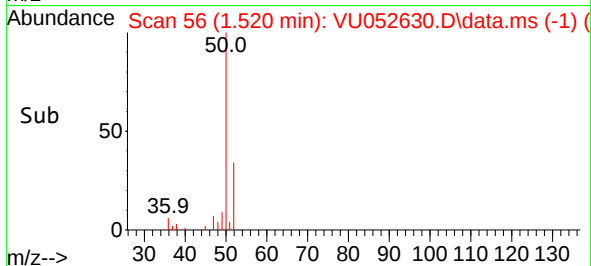
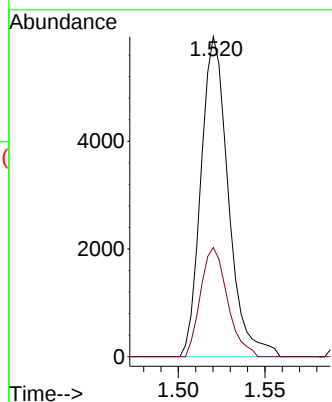
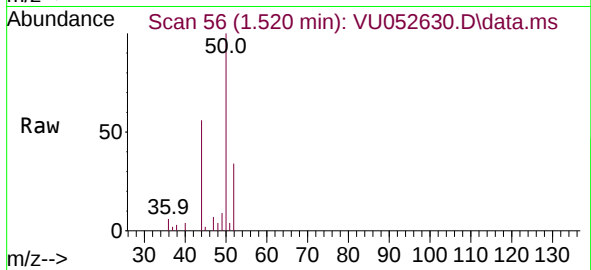




#3
Chloromethane
Concen: 1.659 ug/L
RT: 1.520 min Scan# 50
Delta R.T. 0.000 min
Lab File: VU052630.D
Acq: 06 Jan 2023 16:03

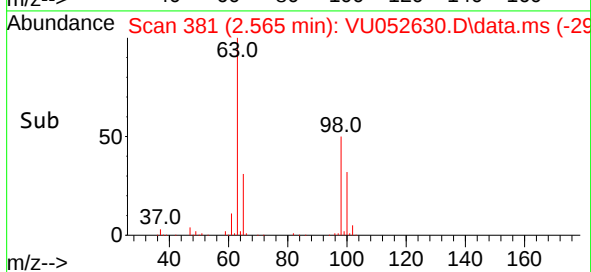
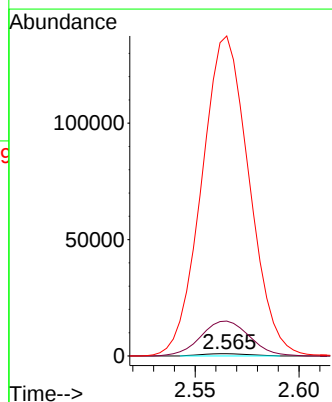
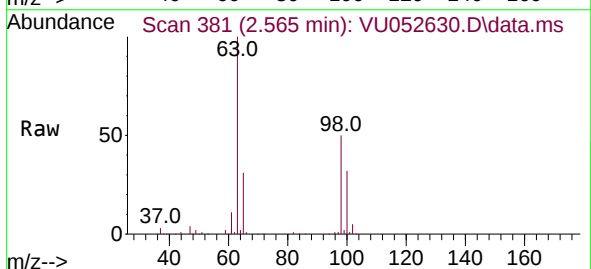
Instrument :
MSVOA_U
ClientSampleId :
COLD5

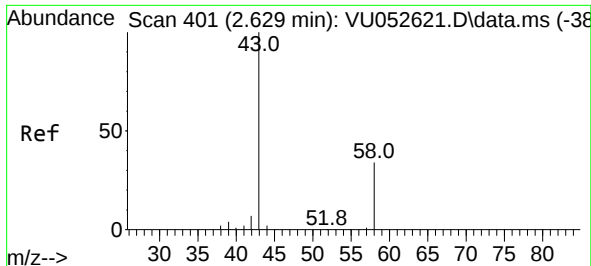
Tgt Ion: 50 Resp: 6536
Ion Ratio Lower Upper
50 100
52 34.1 22.3 41.5



#12
1,1-Dichloroethene
Concen: 0.683 ug/L
RT: 2.565 min Scan# 381
Delta R.T. -0.016 min
Lab File: VU052630.D
Acq: 06 Jan 2023 16:03

Tgt Ion: 96 Resp: 1583
Ion Ratio Lower Upper
96 100
61 1560.4 140.8 261.6#
63 14334.9 122.6 227.6#





#13

Acetone

Concen: 2.421 ug/L

RT: 2.629 min Scan# 401

Delta R.T. 0.000 min

Lab File: VU052630.D

Acq: 06 Jan 2023 16:03

Instrument :

MSVOA_U

ClientSampleId :

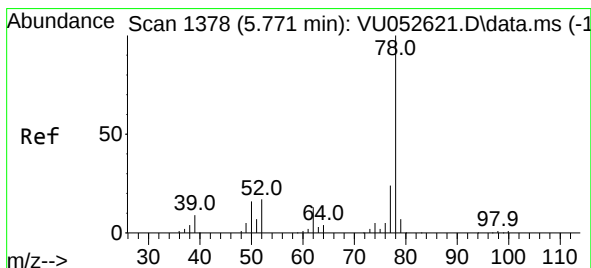
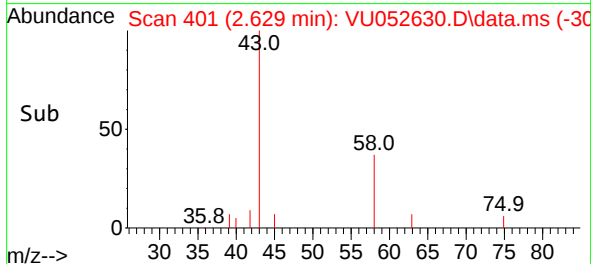
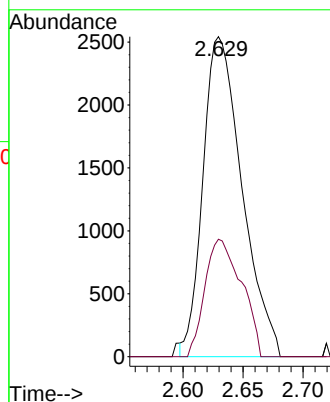
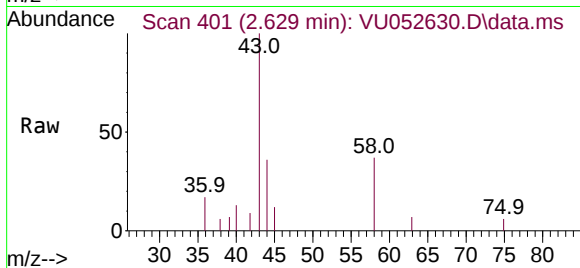
COLD5

Tgt Ion: 43 Resp: 5766

Ion Ratio Lower Upper

43 100

58 34.3 0.0 64.4



#33

Benzene

Concen: 1.373 ug/L

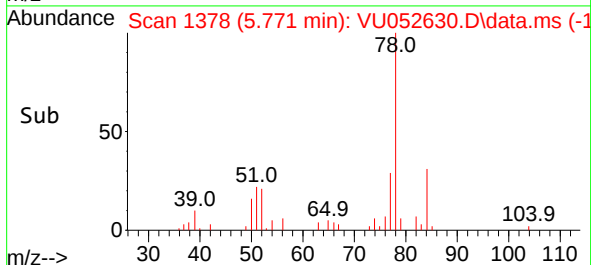
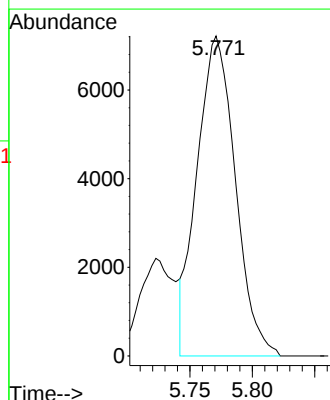
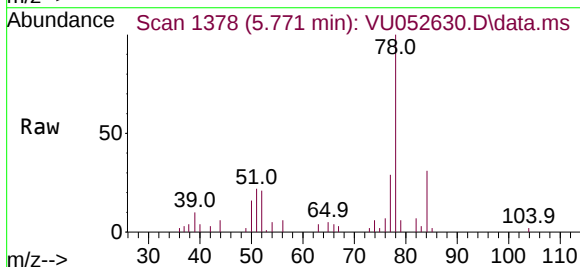
RT: 5.771 min Scan# 1378

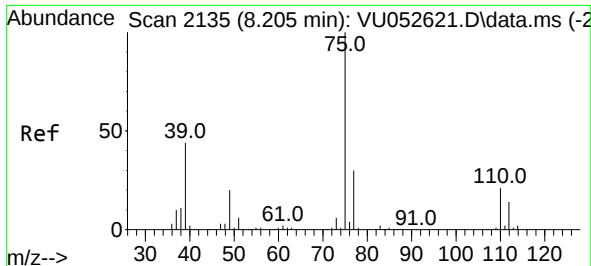
Delta R.T. -0.000 min

Lab File: VU052630.D

Acq: 06 Jan 2023 16:03

Tgt Ion: 78 Resp: 15405

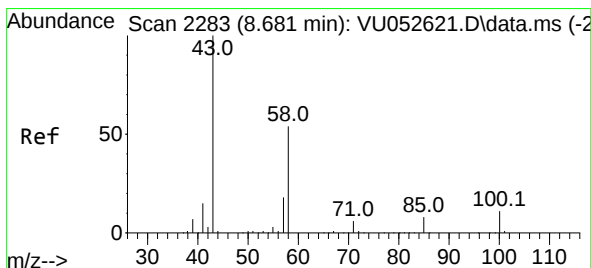
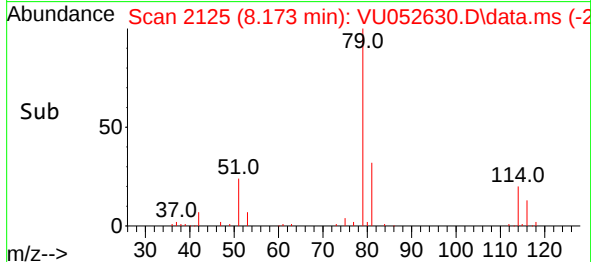
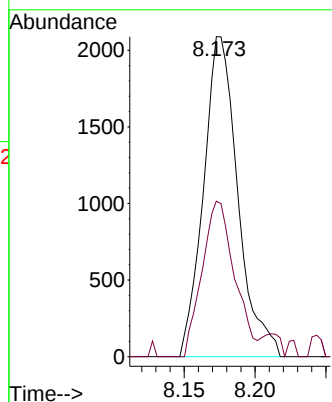
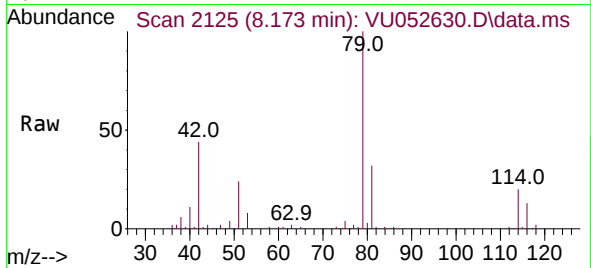




#44
trans-1,3-Dichloropropene
Concen: 0.837 ug/L
RT: 8.173 min Scan# 2135
Delta R.T. -0.032 min
Lab File: VU052630.D
Acq: 06 Jan 2023 16:03

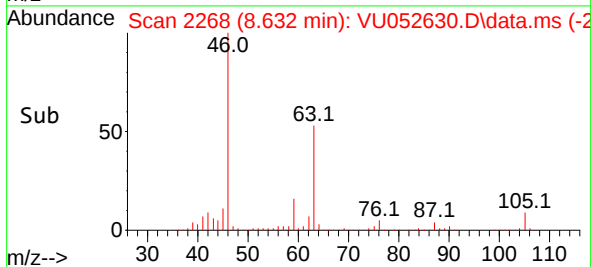
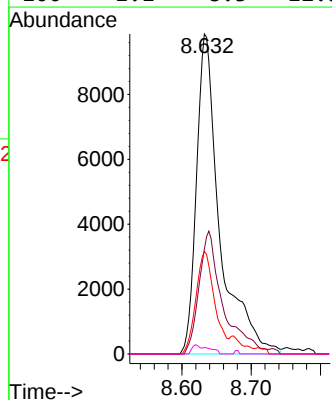
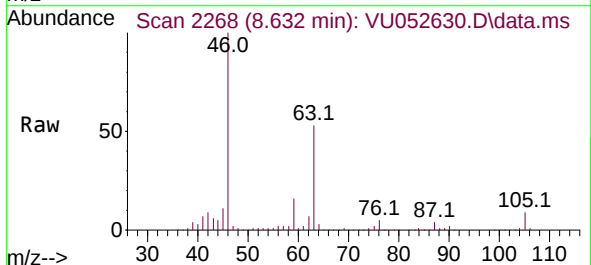
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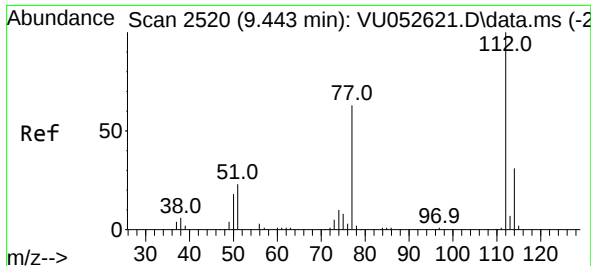
Tgt Ion: 75 Resp: 3515
Ion Ratio Lower Upper
75 100
77 48.6 21.3 39.5#



#48
2-Hexanone
Concen: 6.358 ug/L
RT: 8.632 min Scan# 2268
Delta R.T. -0.049 min
Lab File: VU052630.D
Acq: 06 Jan 2023 16:03

Tgt Ion: 43 Resp: 23166
Ion Ratio Lower Upper
43 100
58 33.6 42.6 63.8#
57 25.9 14.2 21.4#
100 1.1 8.3 12.5#

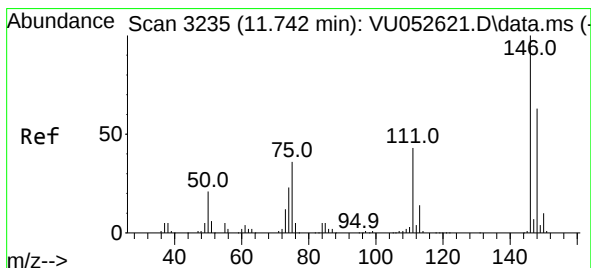
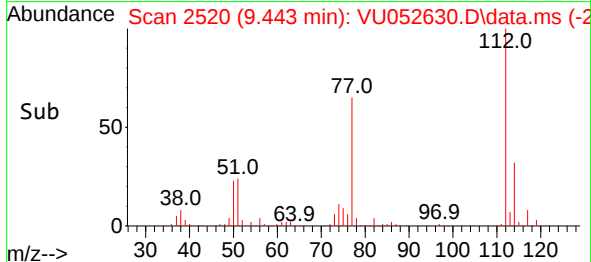
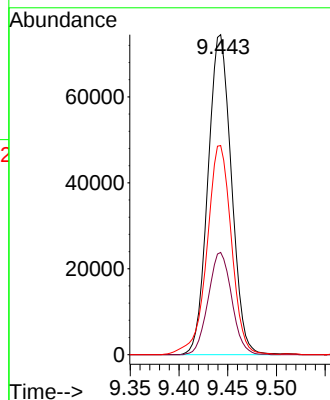
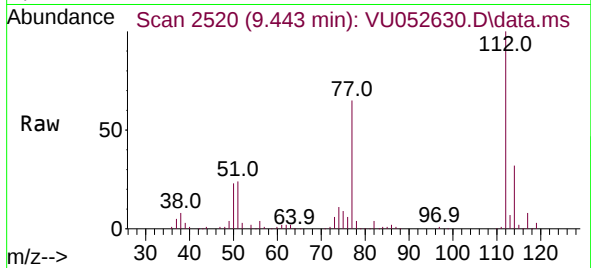




#51
Chlorobenzene
Concen: 18.140 ug/L
RT: 9.443 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052630.D
Acq: 06 Jan 2023 16:03

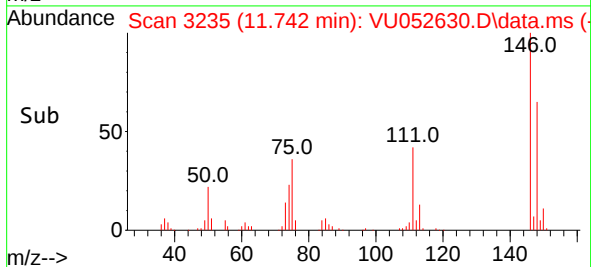
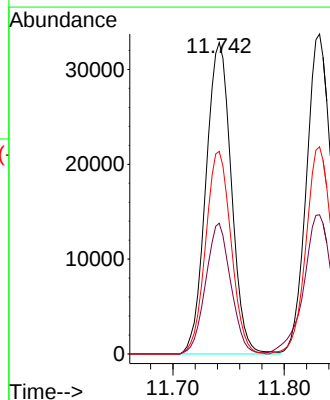
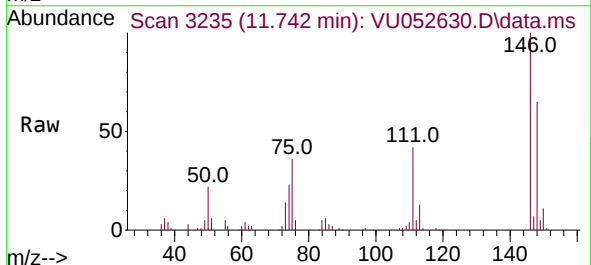
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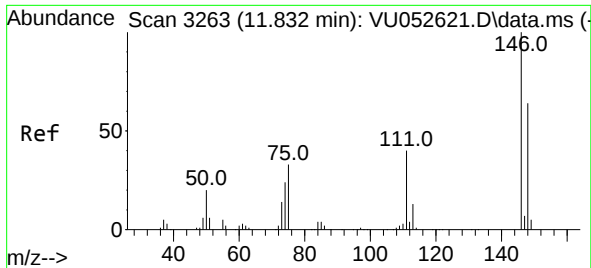
Tgt Ion:112 Resp: 124485
Ion Ratio Lower Upper
112 100
114 31.9 21.6 40.0
77 65.3 50.8 76.2



#64
1,3-Dichlorobenzene
Concen: 11.836 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU052630.D
Acq: 06 Jan 2023 16:03

Tgt Ion:146 Resp: 52061
Ion Ratio Lower Upper
146 100
111 42.0 29.8 55.3
148 65.0 44.4 82.4

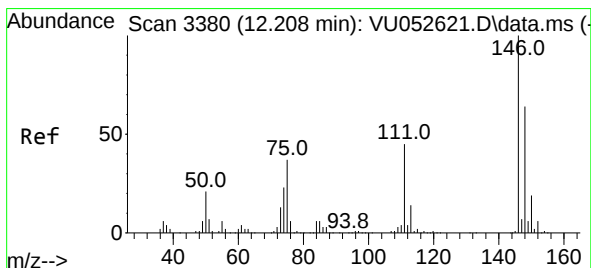
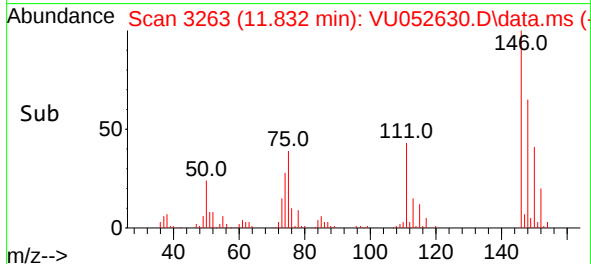
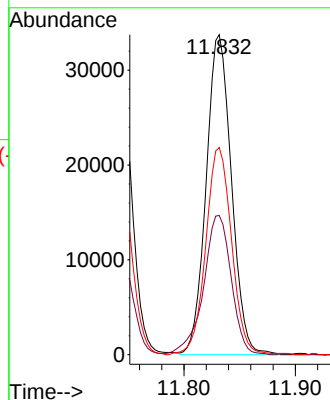
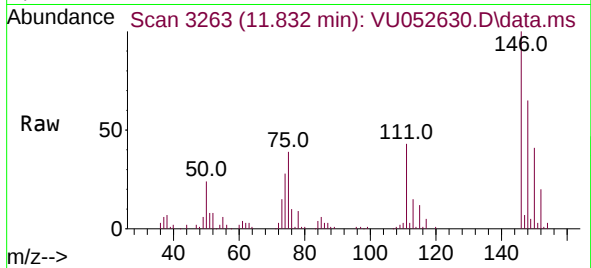




#65
1,4-Dichlorobenzene
Concen: 11.497 ug/L
RT: 11.832 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052630.D
Acq: 06 Jan 2023 16:03

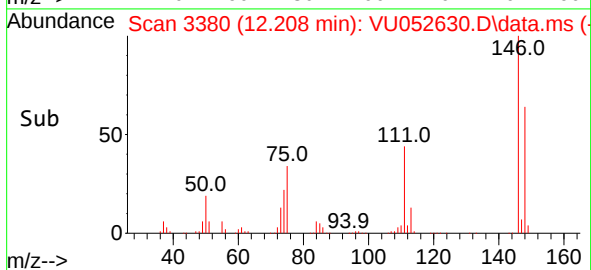
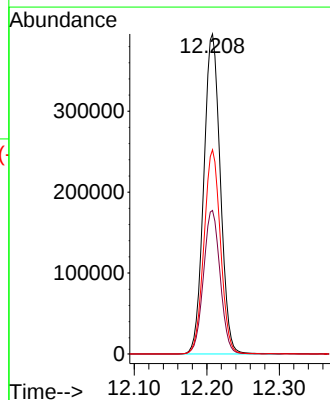
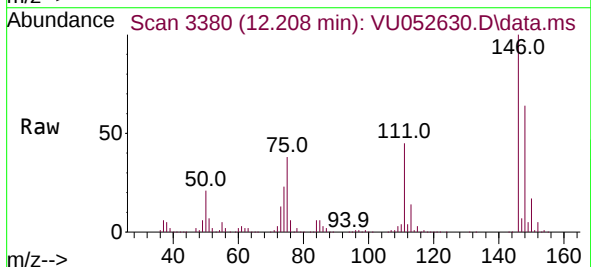
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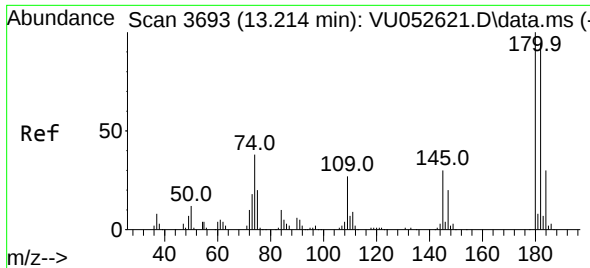
Tgt Ion:146 Resp: 53280
Ion Ratio Lower Upper
146 100
111 43.5 28.6 53.0
148 64.8 44.7 82.9



#67
1,2-Dichlorobenzene
Concen: 138.693 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU052630.D
Acq: 06 Jan 2023 16:03

Tgt Ion:146 Resp: 626956
Ion Ratio Lower Upper
146 100
111 44.8 35.7 53.5
148 63.8 51.4 77.0

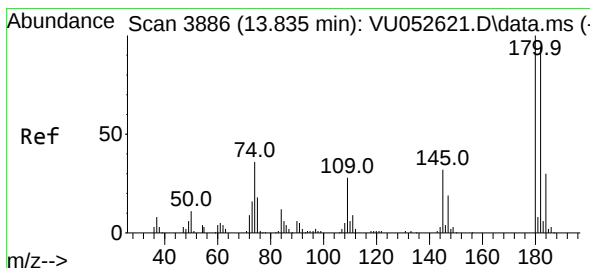
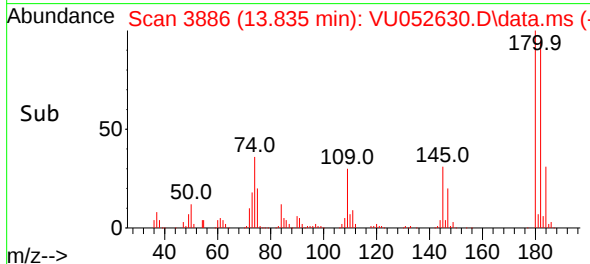
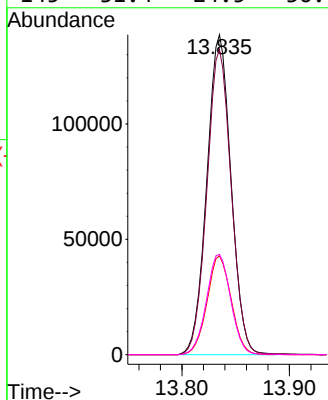
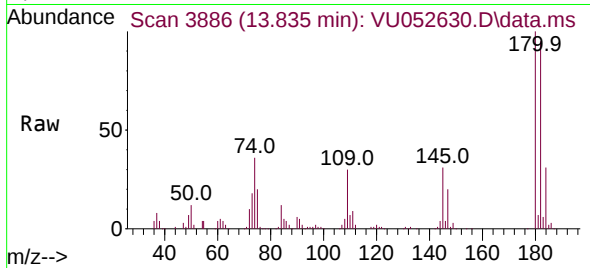




#69
 1,3,5-Trichlorobenzene
 Concen: 69.900 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. 0.621 min
 Lab File: VU052630.D
 Acq: 06 Jan 2023 16:03

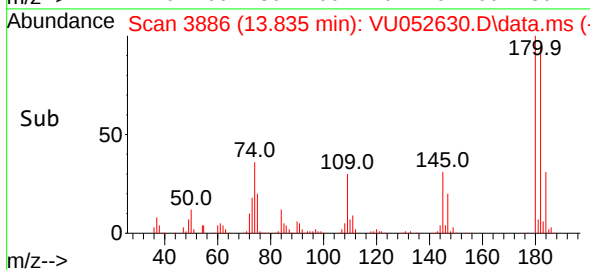
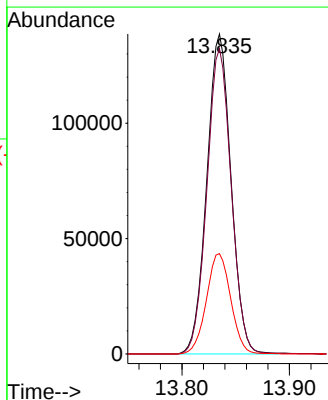
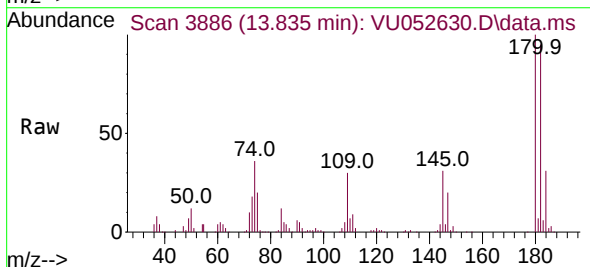
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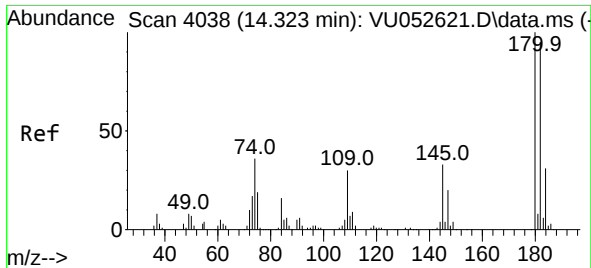
Tgt Ion:180	Resp:	217114
Ion	Ratio	Lower Upper
180	100	
182	95.7	75.9 113.9
184	30.7	23.8 35.8
145	31.4	24.5 36.7



#70
 1,2,4-trichlorobenzene
 Concen: 82.157 ug/L
 RT: 13.835 min Scan# 3886
 Delta R.T. -0.000 min
 Lab File: VU052630.D
 Acq: 06 Jan 2023 16:03

Tgt Ion:180	Resp:	217114
Ion	Ratio	Lower Upper
180	100	
182	95.7	75.4 113.0
145	31.4	25.0 37.6





#72

1,2,3-Trichlorobenzene

Concen: 46.434 ug/L

RT: 14.324 min Scan# 40

Delta R.T. 0.001 min

Lab File: VU052630.D

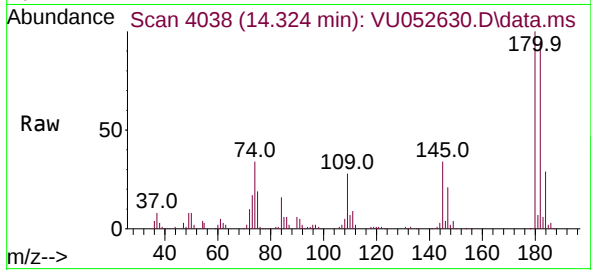
Acq: 06 Jan 2023 16:03

Instrument :

MSVOA_U

ClientSampleId :

COLD5



Tgt Ion:180 Resp: 126068

Ion Ratio Lower Upper

180 100

182 94.7 76.4 114.6

145 33.3 27.0 40.4

