

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012723\
 Data File : VU052853.D
 Acq On : 27 Jan 2023 17:42
 Operator : JC/MD
 Sample : 01314-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44L7

Quant Time: Jan 27 22:24:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 27 22:20:01 2023
 Response via : Initial Calibration

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

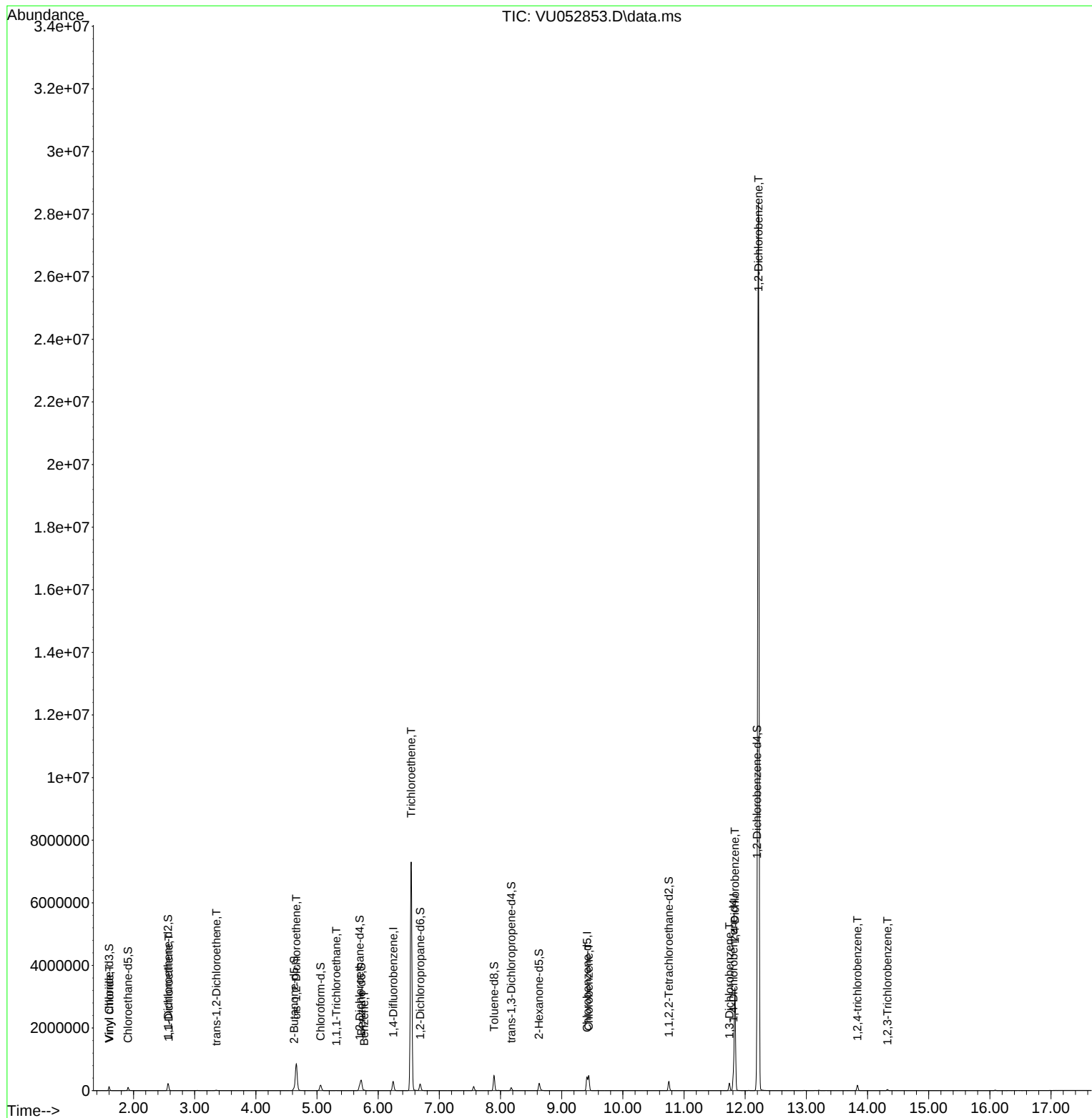
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	249945	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	246213	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	137658	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	79322	44.093	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.180%		
7) Chloroethane-d5	1.909	69	77230	52.100	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	104.200%		
11) 1,1-Dichloroethene-d2	2.565	63	134244	37.518	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.040%		
21) 2-Butanone-d5	4.623	46	94672	85.188	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.190%		
24) Chloroform-d	5.057	84	164832	42.932	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.860%		
26) 1,2-Dichloroethane-d4	5.697	65	111030	45.291	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.580%		
32) Benzene-d6	5.722	84	322128	42.824	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	85.640%		
36) 1,2-Dichloropropane-d6	6.687	67	94746	42.946	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	85.900%		
41) Toluene-d8	7.893	98	316544	46.213	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.420%		
43) trans-1,3-Dichloroprop...	8.176	79	53381	48.276	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.560%		
47) 2-Hexanone-d5	8.629	63	76372	98.522	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	98.520%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	134342	41.215	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	82.420%		
66) 1,2-Dichlorobenzene-d4	12.195	152	140088	52.410	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.820%		
Target Compounds						Qvalue
5) Vinyl chloride	1.604	62	18450	8.640	ug/L	97
12) 1,1-Dichloroethene	2.575	96	5524	2.988	ug/L #	1
17) trans-1,2-Dichloroethene	3.353	96	5479	2.742	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	469815	220.219	ug/L	97
30) 1,1,1-Trichloroethane	5.314	97	2157	0.596	ug/L	96
33) Benzene	5.771	78	12992	1.550	ug/L	100
34) Trichloroethene	6.539	95	2399541	1126.417	ug/L	95
51) Chlorobenzene	9.443	112	260721	44.118	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	100137	22.324	ug/L	98
65) 1,4-Dichlorobenzene	11.831	146	1346677	290.004	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	12149478	2677.856	ug/L	98
70) 1,2,4-trichlorobenzene	13.835	180	55696	20.005	ug/L	97
72) 1,2,3-Trichlorobenzene	14.327	180	12110	4.116	ug/L	97

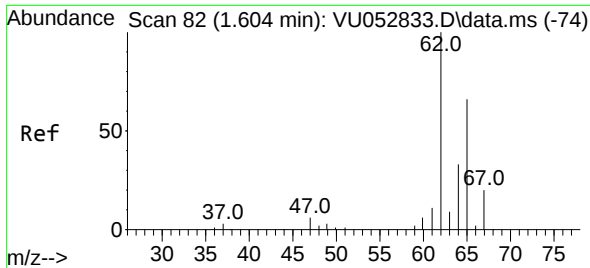
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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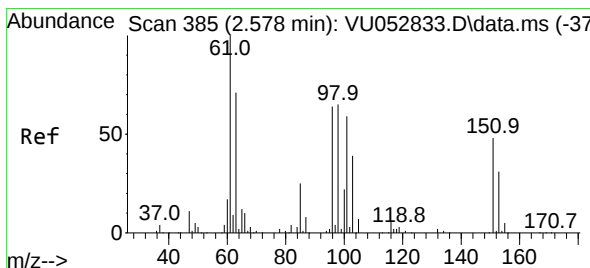
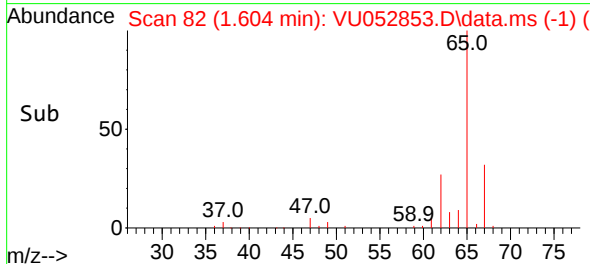
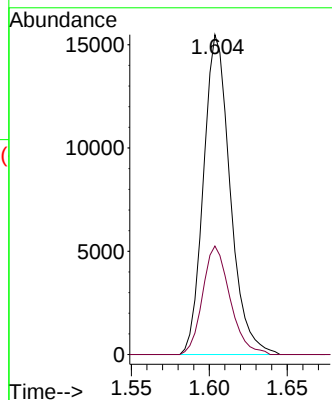
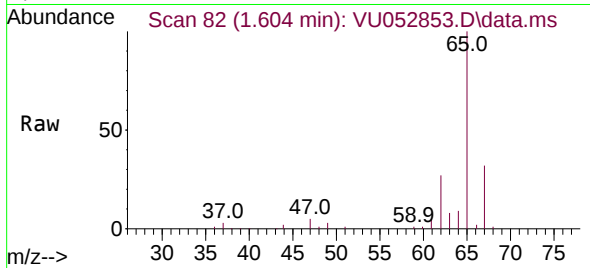




#5
 Vinyl chloride
 Concen: 8.640 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052853.D
 Acq: 27 Jan 2023 17:42

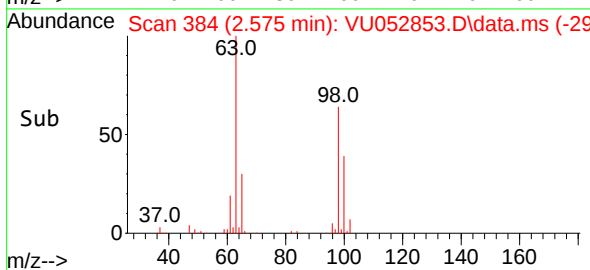
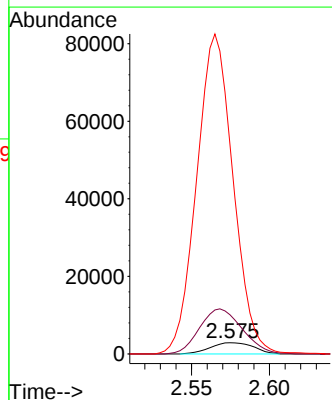
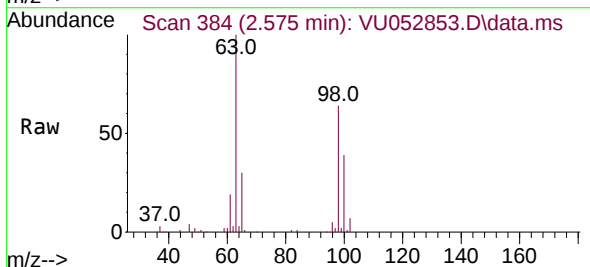
Instrument :
 MSVOA_U
 ClientSampleId :
 A44L7

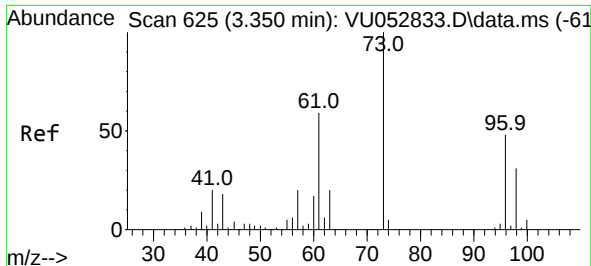
Tgt Ion: 62 Resp: 18450
 Ion Ratio Lower Upper
 62 100
 64 33.9 22.4 41.6



#12
 1,1-Dichloroethene
 Concen: 2.988 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.004 min
 Lab File: VU052853.D
 Acq: 27 Jan 2023 17:42

Tgt Ion: 96 Resp: 5524
 Ion Ratio Lower Upper
 96 100
 61 349.4 114.3 212.3#
 63 1869.1 80.6 149.6#





#17

trans-1,2-Dichloroethene

Concen: 2.742 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU052853.D

Acq: 27 Jan 2023 17:42

Instrument :

MSVOA_U

ClientSampleId :

A44L7

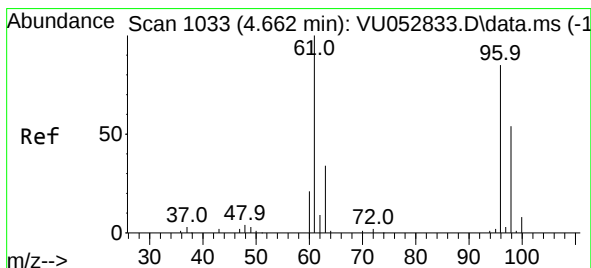
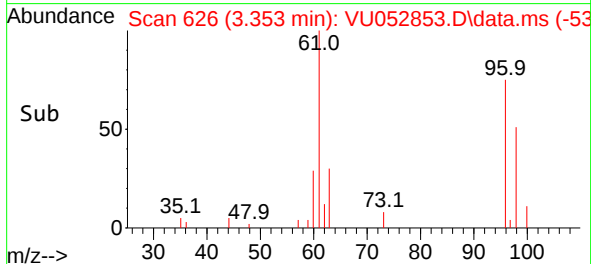
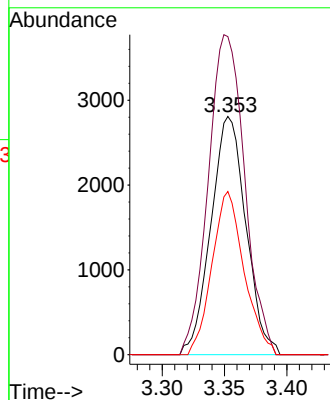
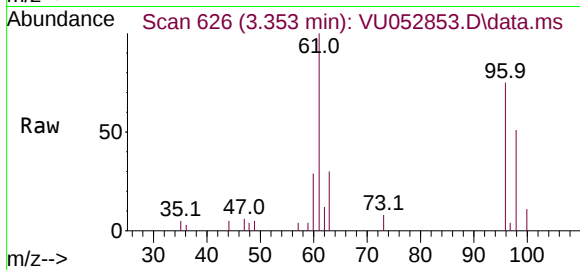
Tgt Ion: 96 Resp: 5479

Ion Ratio Lower Upper

96 100

61 133.5 92.7 172.3

98 68.5 44.7 82.9



#20

cis-1,2-Dichloroethene

Concen: 220.219 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VU052853.D

Acq: 27 Jan 2023 17:42

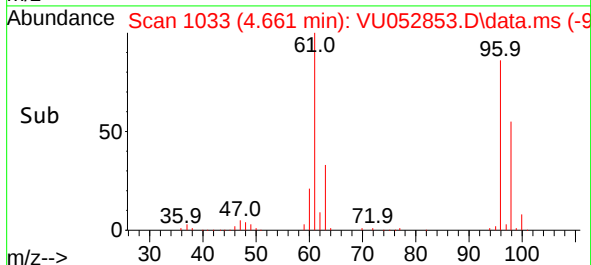
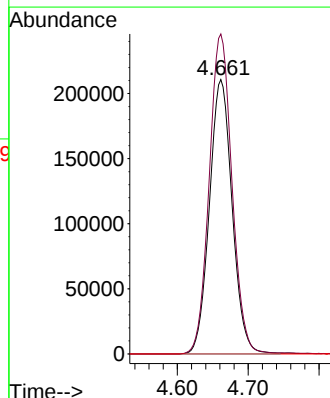
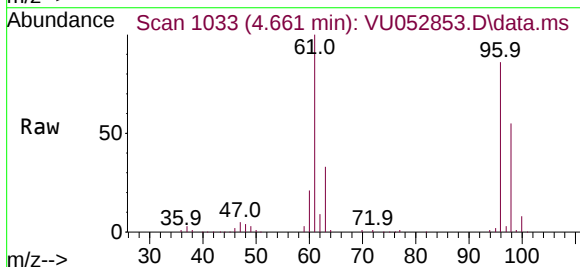
Tgt Ion: 96 Resp: 469815

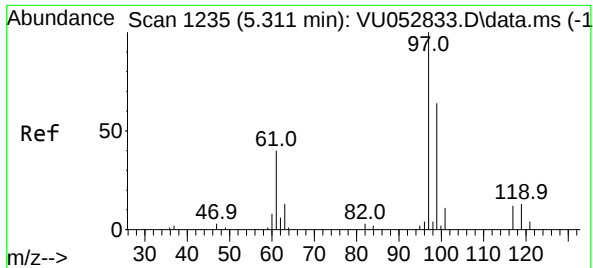
Ion Ratio Lower Upper

96 100

61 116.7 84.1 156.1

68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 0.596 ug/L

RT: 5.314 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU052853.D

Acq: 27 Jan 2023 17:42

Instrument :

MSVOA_U

ClientSampleId :

A44L7

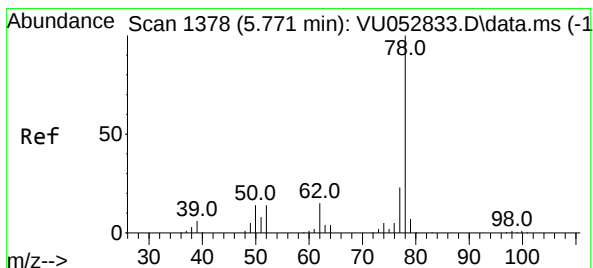
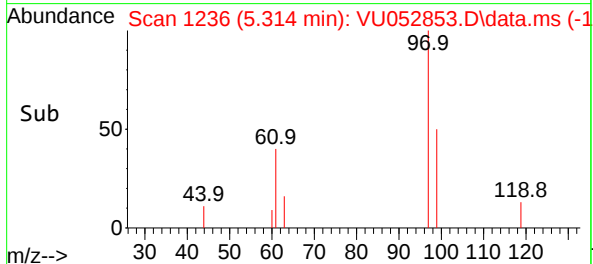
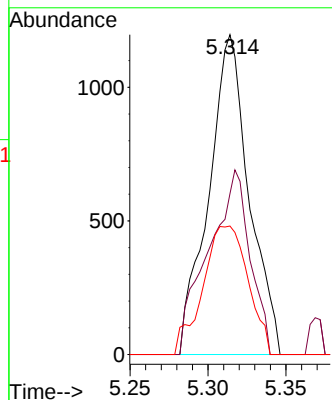
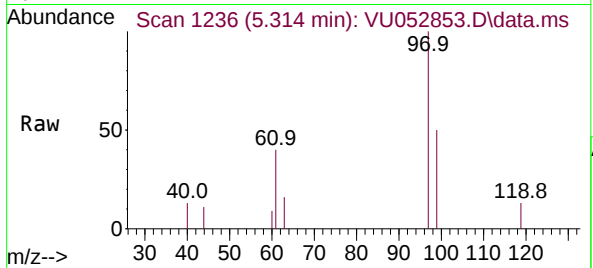
Tgt Ion: 97 Resp: 2157

Ion Ratio Lower Upper

97 100

99 59.3 51.4 77.0

61 42.2 33.0 49.6



#33

Benzene

Concen: 1.550 ug/L

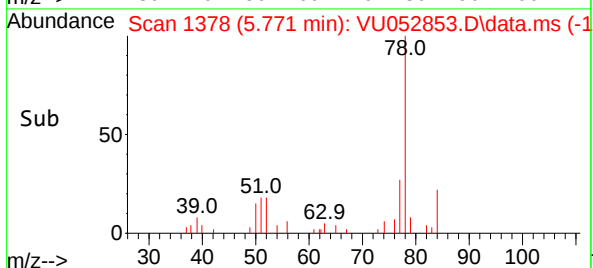
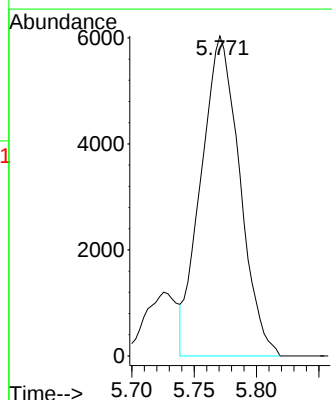
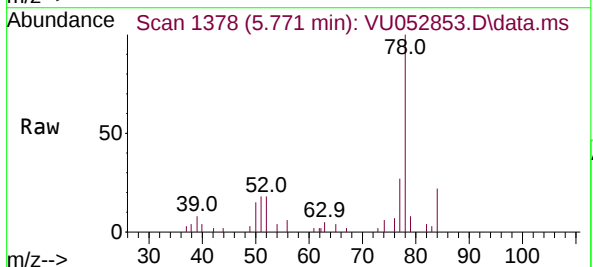
RT: 5.771 min Scan# 1378

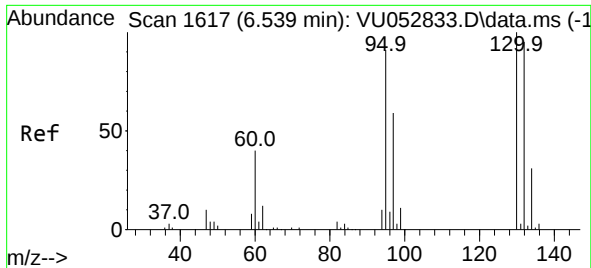
Delta R.T. -0.000 min

Lab File: VU052853.D

Acq: 27 Jan 2023 17:42

Tgt Ion: 78 Resp: 12992



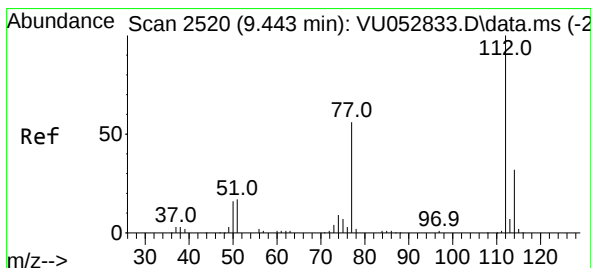
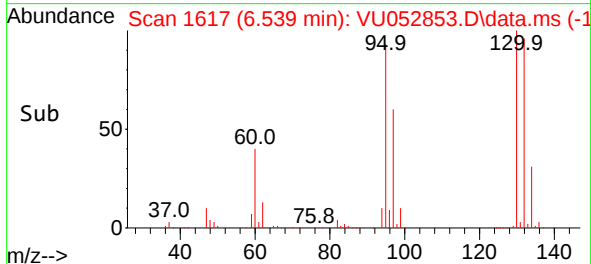
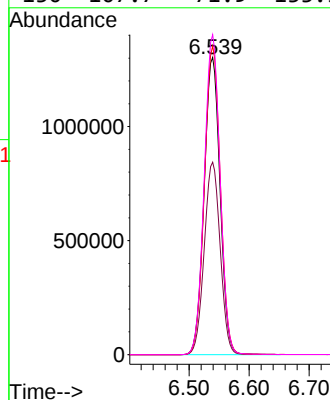
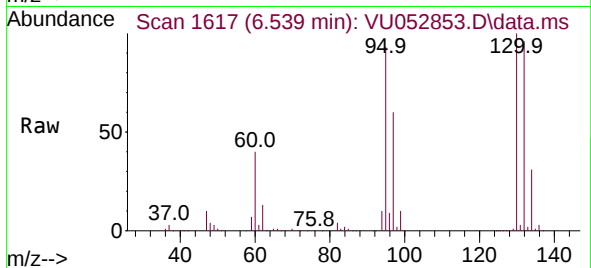


#34
 Trichloroethene
 Concen: 1126.417 ug/L
 RT: 6.539 min Scan# 1617
 Delta R.T. -0.000 min
 Lab File: VU052853.D
 Acq: 27 Jan 2023 17:42

Instrument :
 MSVOA_U
 ClientSampleId :
 A44L7

Tgt Ion: 95 Resp: 2399541

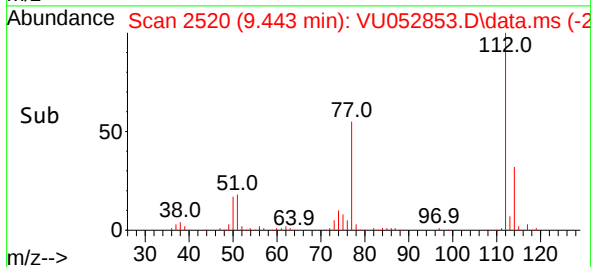
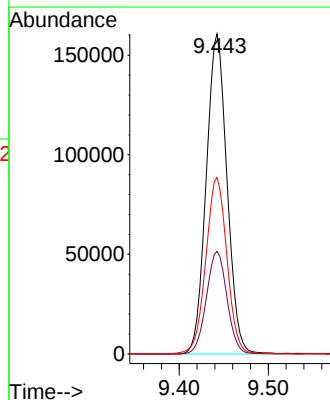
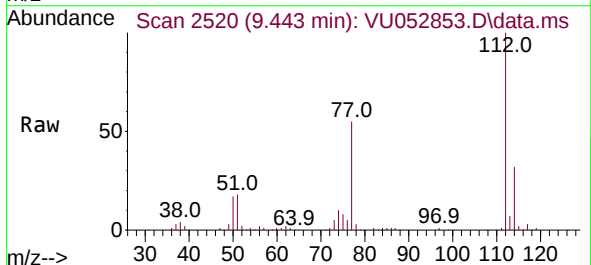
Ion	Ratio	Lower	Upper
95	100		
97	64.7	44.5	82.7
132	103.8	66.8	124.0
130	107.7	71.9	133.5

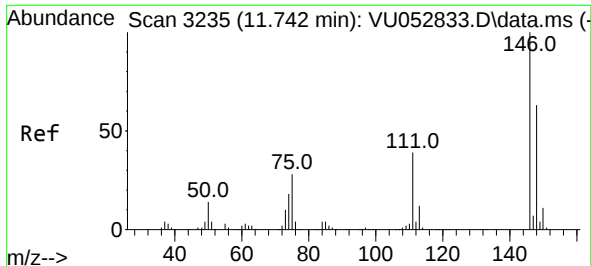


#51
 Chlorobenzene
 Concen: 44.118 ug/L
 RT: 9.443 min Scan# 2520
 Delta R.T. -0.000 min
 Lab File: VU052853.D
 Acq: 27 Jan 2023 17:42

Tgt Ion: 112 Resp: 260721

Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.8	42.4
77	55.1	45.9	68.9

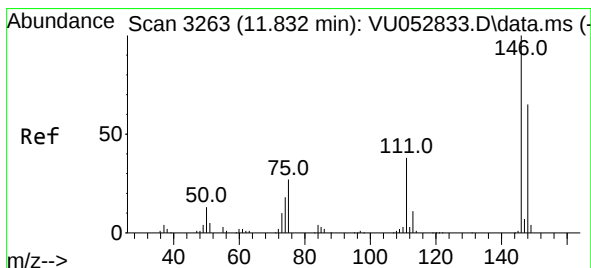
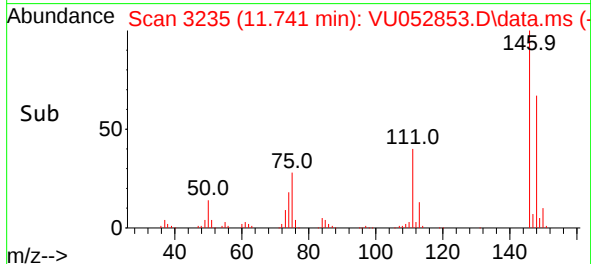
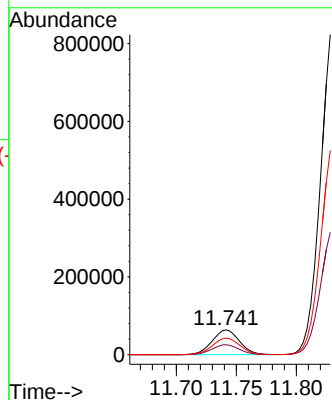
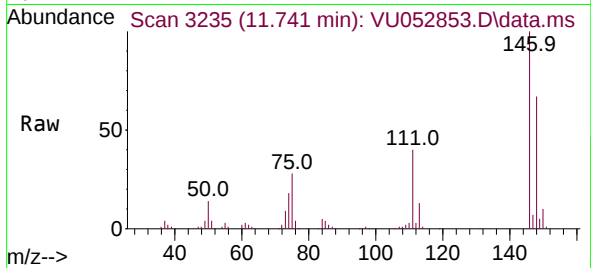




#64
1,3-Dichlorobenzene
Concen: 22.324 ug/L
RT: 11.741 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU052853.D
Acq: 27 Jan 2023 17:42

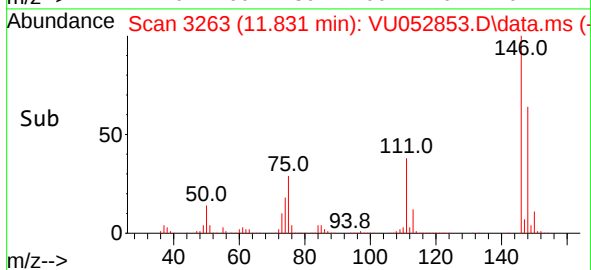
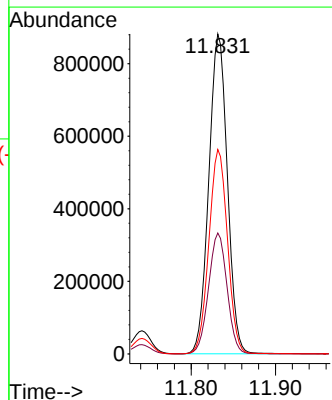
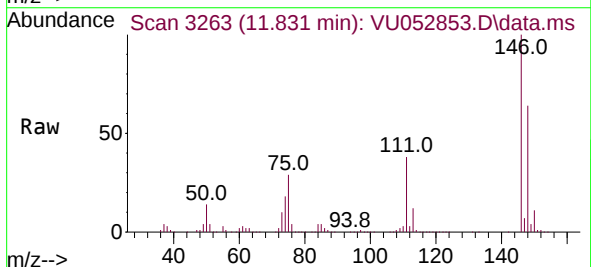
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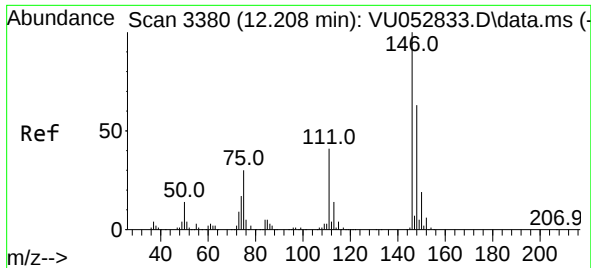
Tgt Ion:146 Resp: 100137
Ion Ratio Lower Upper
146 100
111 39.9 27.8 51.6
148 66.7 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 290.004 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052853.D
Acq: 27 Jan 2023 17:42

Tgt Ion:146 Resp: 1346677
Ion Ratio Lower Upper
146 100
111 37.8 26.7 49.7
148 63.9 45.6 84.6

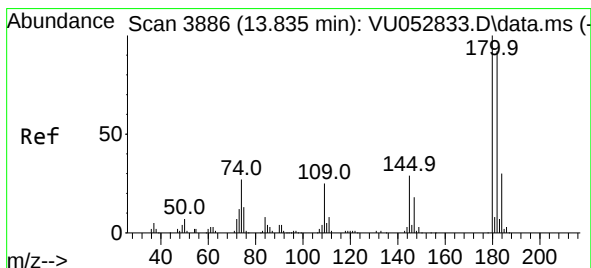
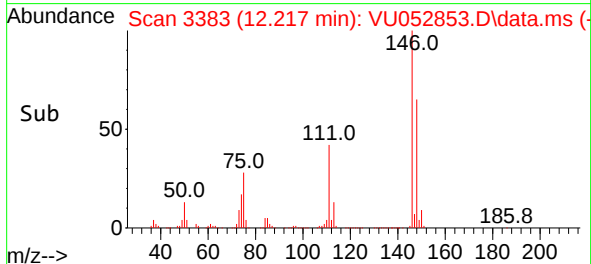
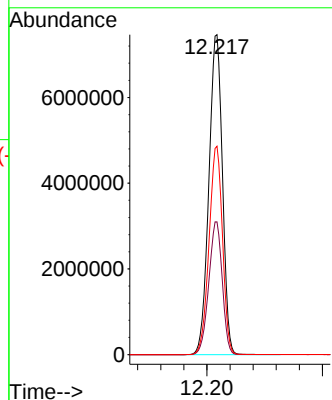
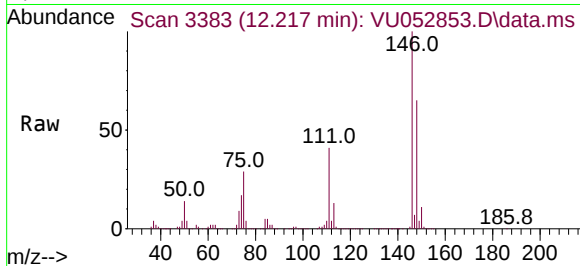




#67
1,2-Dichlorobenzene
Concen: 2677.856 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. 0.009 min
Lab File: VU052853.D
Acq: 27 Jan 2023 17:42

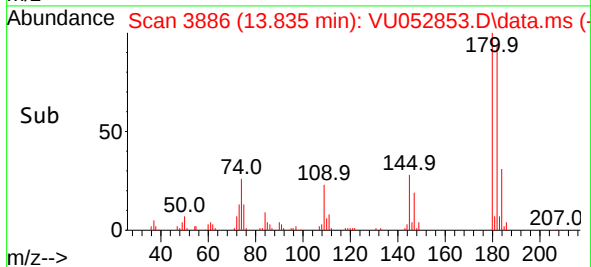
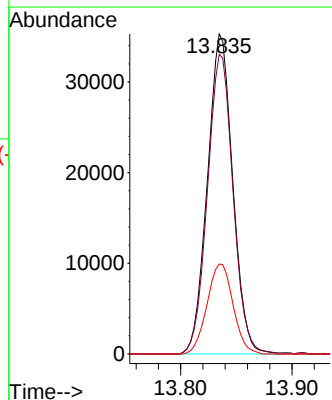
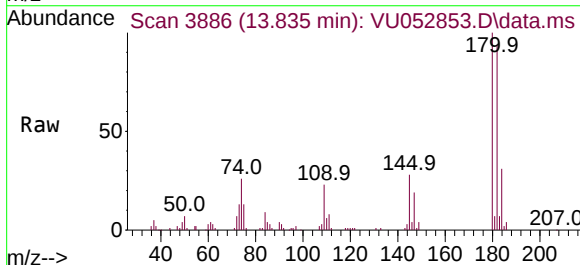
Instrument :
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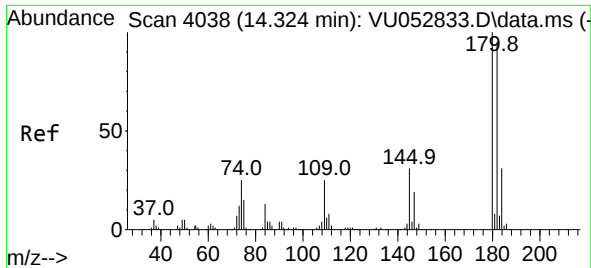
Tgt Ion:146 Resp:12149478
Ion Ratio Lower Upper
146 100
111 41.5 33.2 49.8
148 65.1 50.2 75.4



#70
1,2,4-trichlorobenzene
Concen: 20.005 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU052853.D
Acq: 27 Jan 2023 17:42

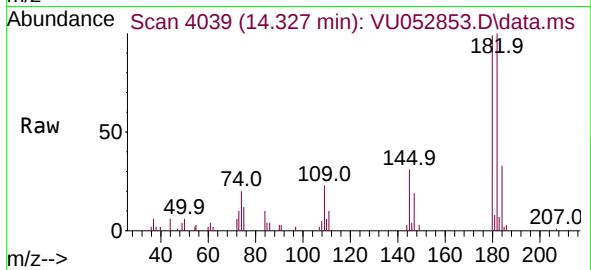
Tgt Ion:180 Resp: 55696
Ion Ratio Lower Upper
180 100
182 94.6 78.2 117.2
145 28.8 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 4.116 ug/L
 RT: 14.327 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VU052853.D
 Acq: 27 Jan 2023 17:42

Instrument :
 MSVOA_U
 ClientSampleId :
 A44L7



Tgt Ion:	180	Resp:	12110
Ion Ratio	Lower	Upper	
180	100		
182	100.8	77.5	116.3
145	29.9	24.2	36.4

