

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040523\
 Data File : VU053582.D
 Acq On : 05 Apr 2023 15:02
 Operator : JC/MD
 Sample : 02158-28
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 06 03:37:20 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)

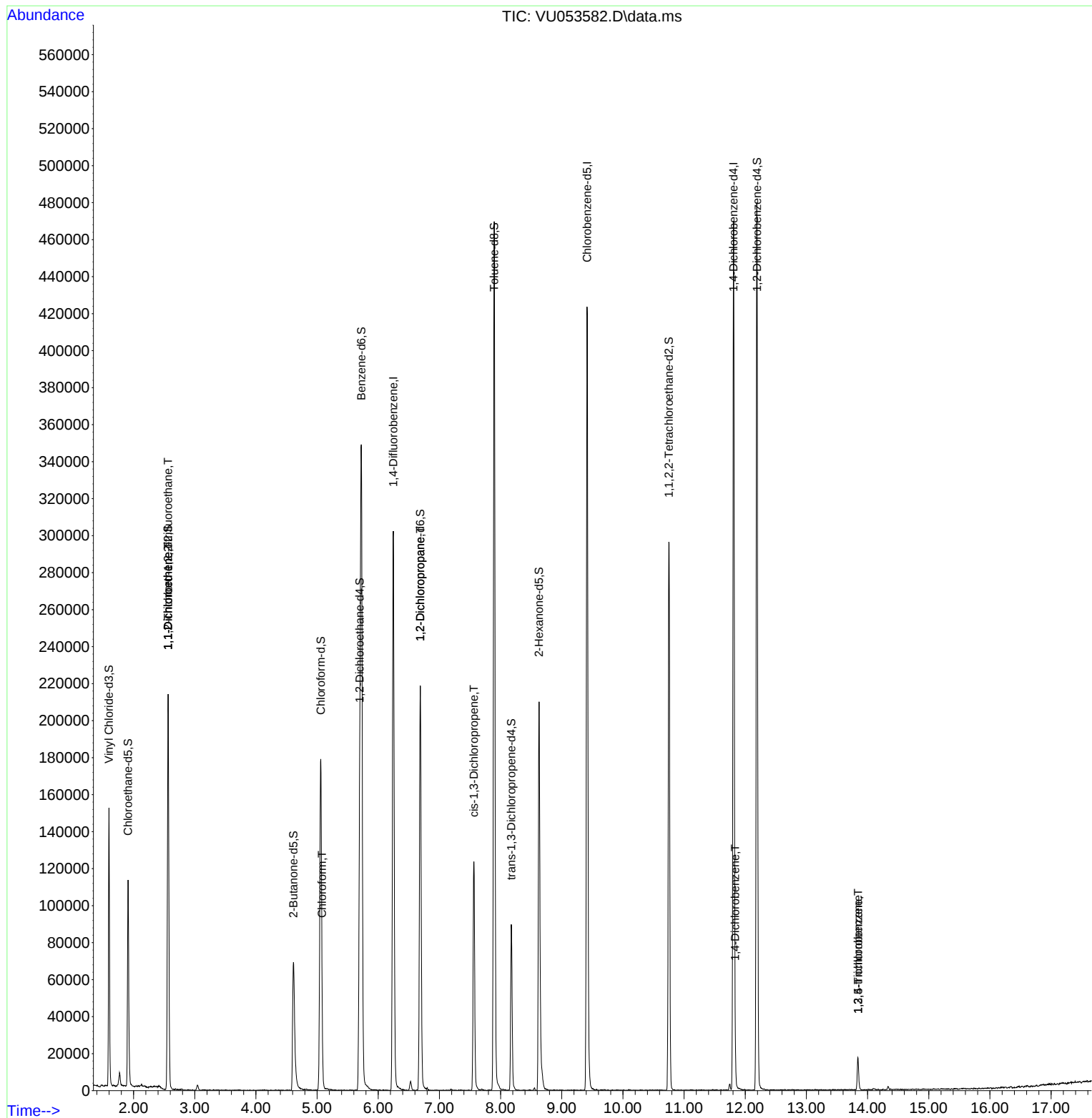
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	260039	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	247879	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	127307	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	105919	52.310	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	= 104.620%		
7) Chloroethane-d5	1.909	69	86003	55.088	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	= 110.180%		
11) 1,1-Dichloroethene-d2	2.565	63	122417	39.056	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 78.120%		
21) 2-Butanone-d5	4.613	46	100140	109.233	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	= 109.230%		
24) Chloroform-d	5.060	84	164539	49.135	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 98.280%		
26) 1,2-Dichloroethane-d4	5.697	65	107007	54.078	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 108.160%		
32) Benzene-d6	5.722	84	346438	51.777	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	= 103.560%		
36) 1,2-Dichloropropane-d6	6.687	67	105699	51.684	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	= 103.360%		
41) Toluene-d8	7.896	98	325806	48.992	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 97.980%		
43) trans-1,3-Dichloroprop...	8.176	79	52070	49.324	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	= 98.640%		
47) 2-Hexanone-d5	8.629	63	75274	107.847	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	= 107.850%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	145118	50.345	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	= 100.680%		
66) 1,2-Dichlorobenzene-d4	12.192	152	127389	47.938	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	= 95.880%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.565	101	1175	0.656	ug/L #	17
12) 1,1-Dichloroethene	2.565	96	1225	0.768	ug/L #	1
25) Chloroform	5.079	83	2174	0.714	ug/L	90
37) 1,2-Dichloropropane	6.687	63	11606	7.077	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	3287	1.227	ug/L	89
65) 1,4-Dichlorobenzene	11.835	146	5088	1.269	ug/L	93
69) 1,3,5-Trichlorobenzene	13.844	180	6639	2.280	ug/L	97
70) 1,2,4-trichlorobenzene	13.844	180	6639	2.459	ug/L	98

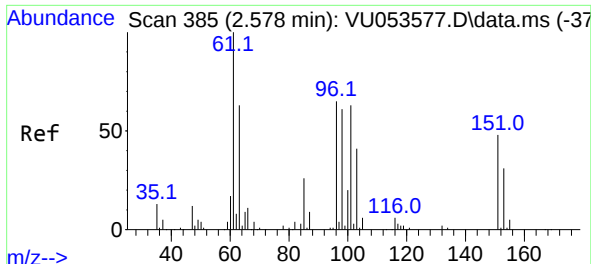
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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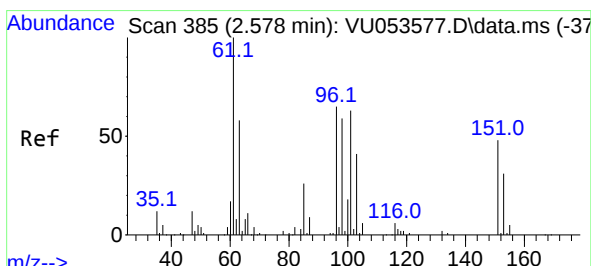
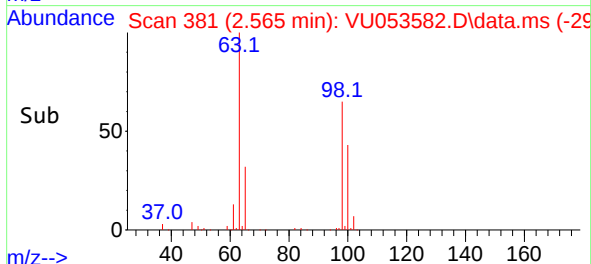
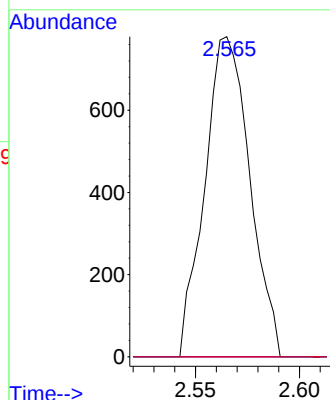
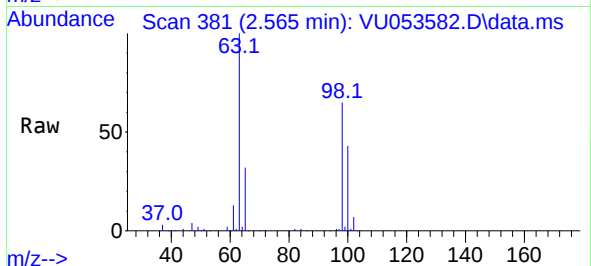




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.656 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.013 min
 Lab File: VU053582.D
 Acq: 05 Apr 2023 15:02

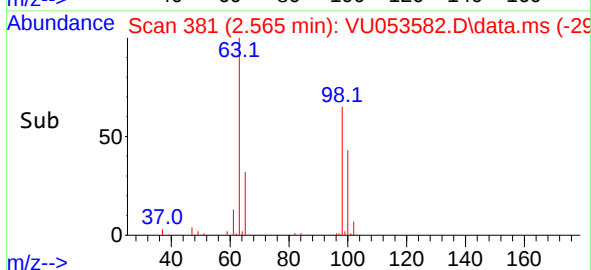
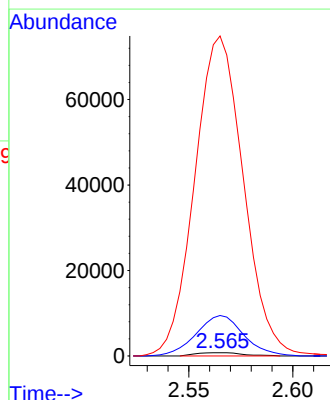
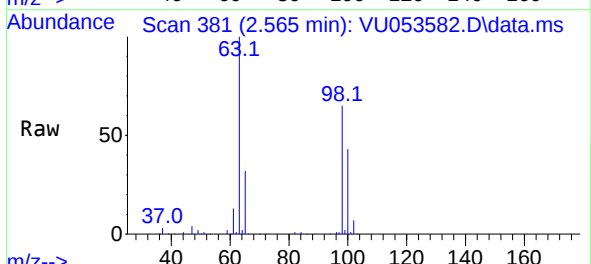
Instrument :
 MSVOA_U
 ClientSampleId :

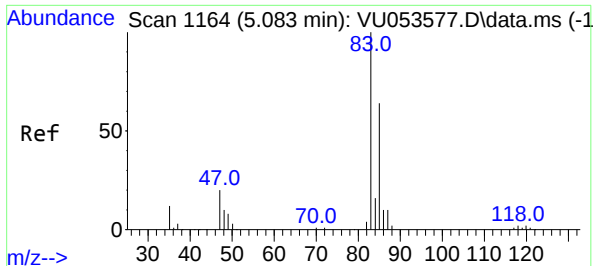
Tgt Ion:101 Resp: 1175
 Ion Ratio Lower Upper
 101 100
 85 0.0 32.6 48.8#
 151 0.0 65.8 98.6#



#12
 1,1-Dichloroethene
 Concen: 0.768 ug/L
 RT: 2.565 min Scan# 381
 Delta R.T. -0.013 min
 Lab File: VU053582.D
 Acq: 05 Apr 2023 15:02

Tgt Ion: 96 Resp: 1225
 Ion Ratio Lower Upper
 96 100
 61 1230.9 107.9 200.5#
 63 9737.3 79.1 146.9#





#25

Chloroform

Concen: 0.714 ug/L

RT: 5.079 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053582.D

Acq: 05 Apr 2023 15:02

Instrument :

MSVOA_U

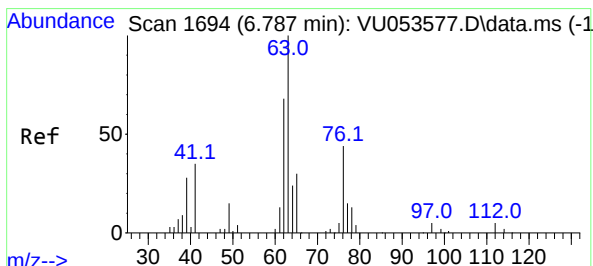
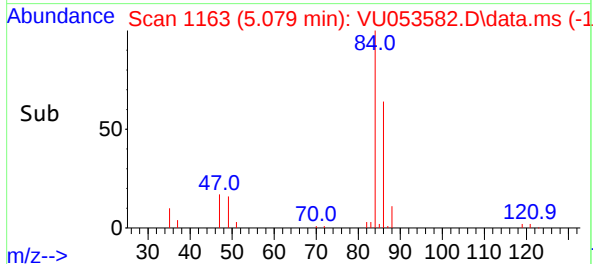
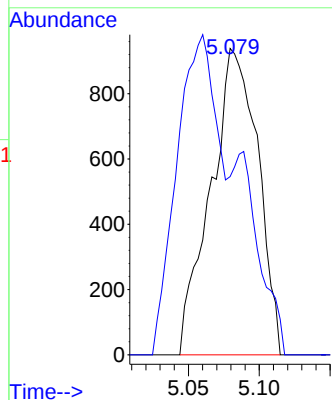
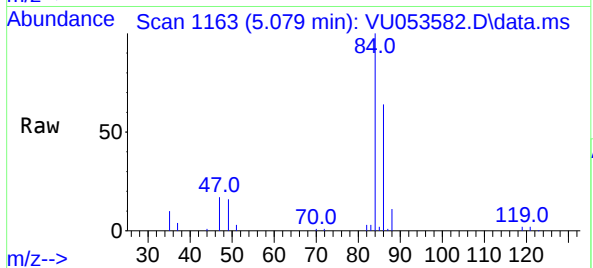
ClientSampleId :

Tgt Ion: 83 Resp: 2174

Ion Ratio Lower Upper

83 100

85 58.1 46.1 85.5



#37

1,2-Dichloropropane

Concen: 7.077 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.097 min

Lab File: VU053582.D

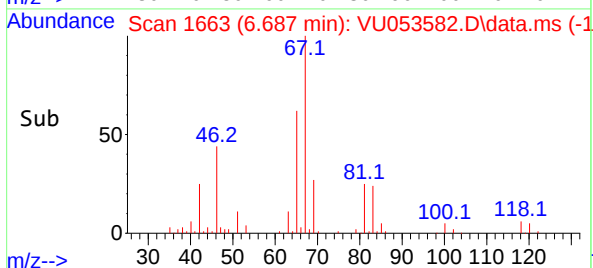
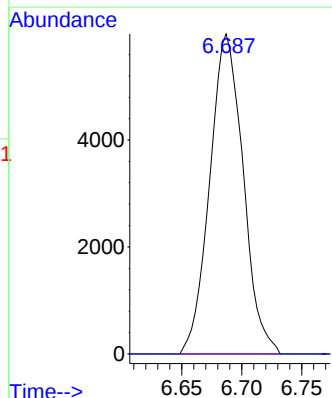
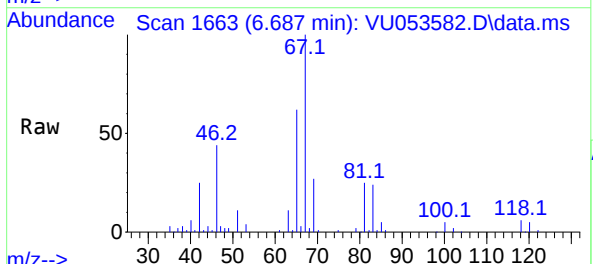
Acq: 05 Apr 2023 15:02

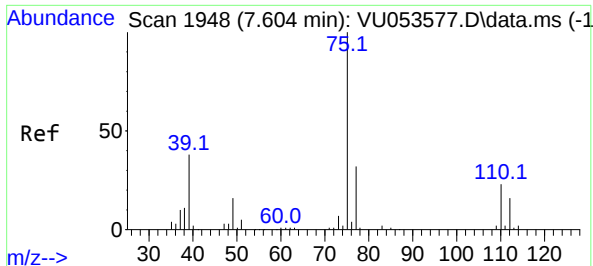
Tgt Ion: 63 Resp: 11606

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#

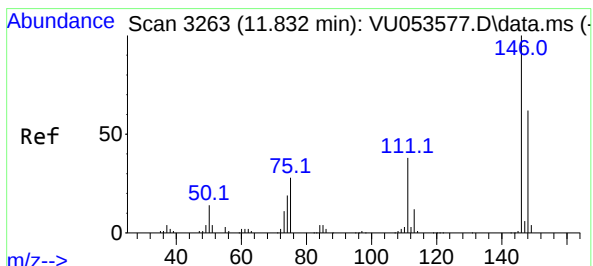
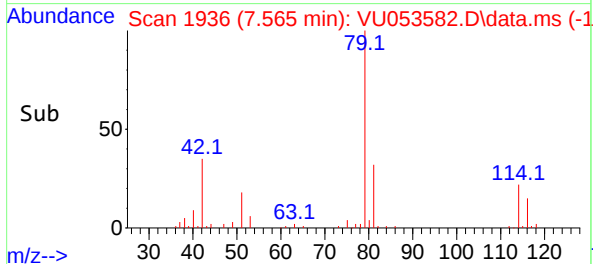
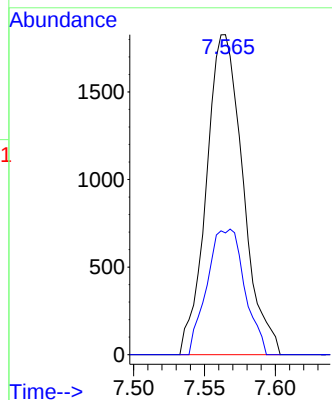
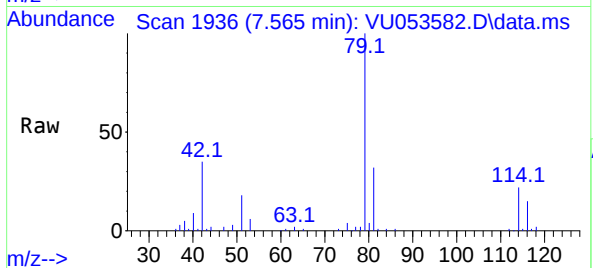




#39
cis-1,3-Dichloropropene
Concen: 1.227 ug/L
RT: 7.565 min Scan# 1948
Delta R.T. -0.035 min
Lab File: VU053582.D
Acq: 05 Apr 2023 15:02

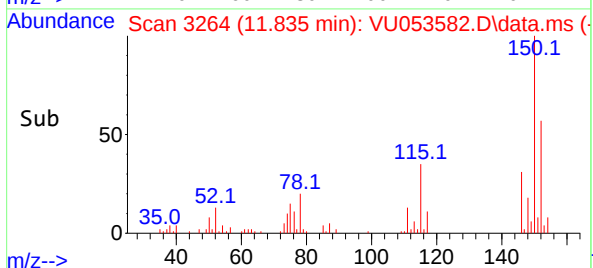
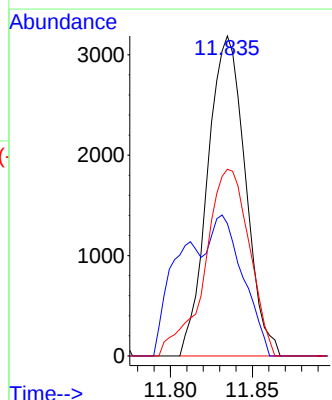
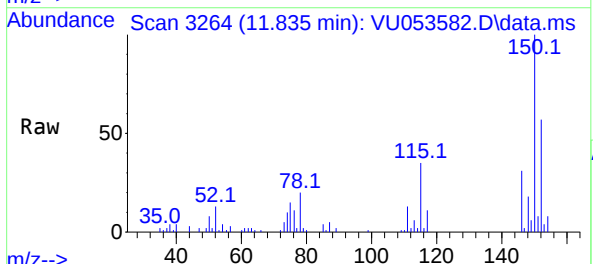
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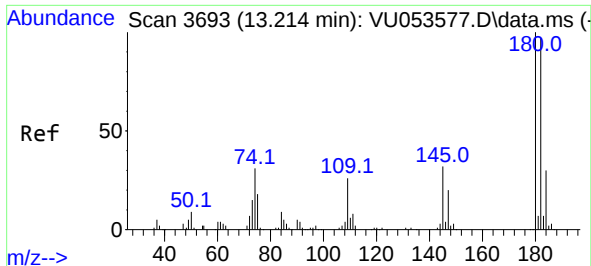
Tgt Ion: 75 Resp: 3287
Ion Ratio Lower Upper
75 100
77 38.0 22.5 41.7



#65
1,4-Dichlorobenzene
Concen: 1.269 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU053582.D
Acq: 05 Apr 2023 15:02

Tgt Ion:146 Resp: 5088
Ion Ratio Lower Upper
146 100
111 41.3 25.1 46.5
148 58.3 44.3 82.3





#69

1,3,5-Trichlorobenzene

Concen: 2.280 ug/L

RT: 13.844 min Scan# 3889

Delta R.T. 0.630 min

Lab File: VU053582.D

Acq: 05 Apr 2023 15:02

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 6639

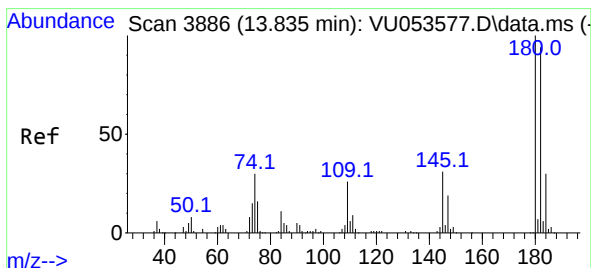
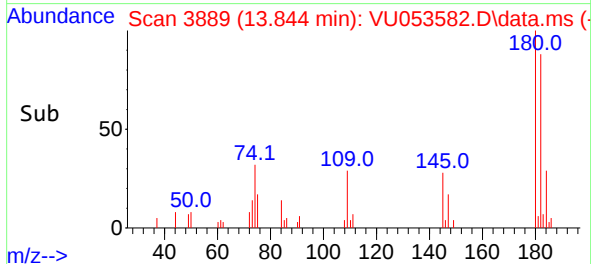
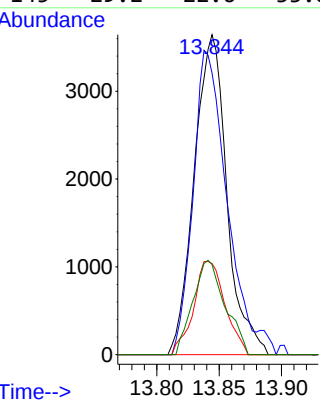
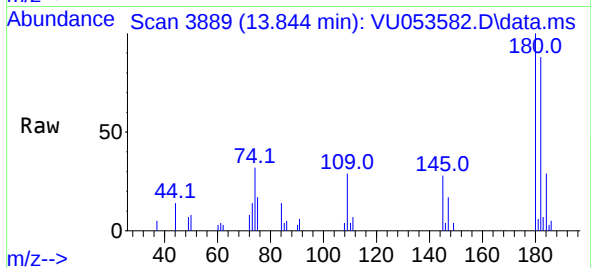
Ion Ratio Lower Upper

180 100

182 96.7 75.6 113.4

184 28.2 24.2 36.2

145 29.2 22.6 33.8



#70

1,2,4-trichlorobenzene

Concen: 2.459 ug/L

RT: 13.844 min Scan# 3889

Delta R.T. 0.010 min

Lab File: VU053582.D

Acq: 05 Apr 2023 15:02

Tgt Ion:180 Resp: 6639

Ion Ratio Lower Upper

180 100

182 96.7 75.8 113.8

145 29.2 23.4 35.2

