

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032823\
 Data File : VU053434.D
 Acq On : 28 Mar 2023 15:30
 Operator : JC/MD
 Sample : 02085-05 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMB4

Quant Time: Mar 29 01:12:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM031523WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Mar 29 01:10:06 2023
 Response via : Initial Calibration

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

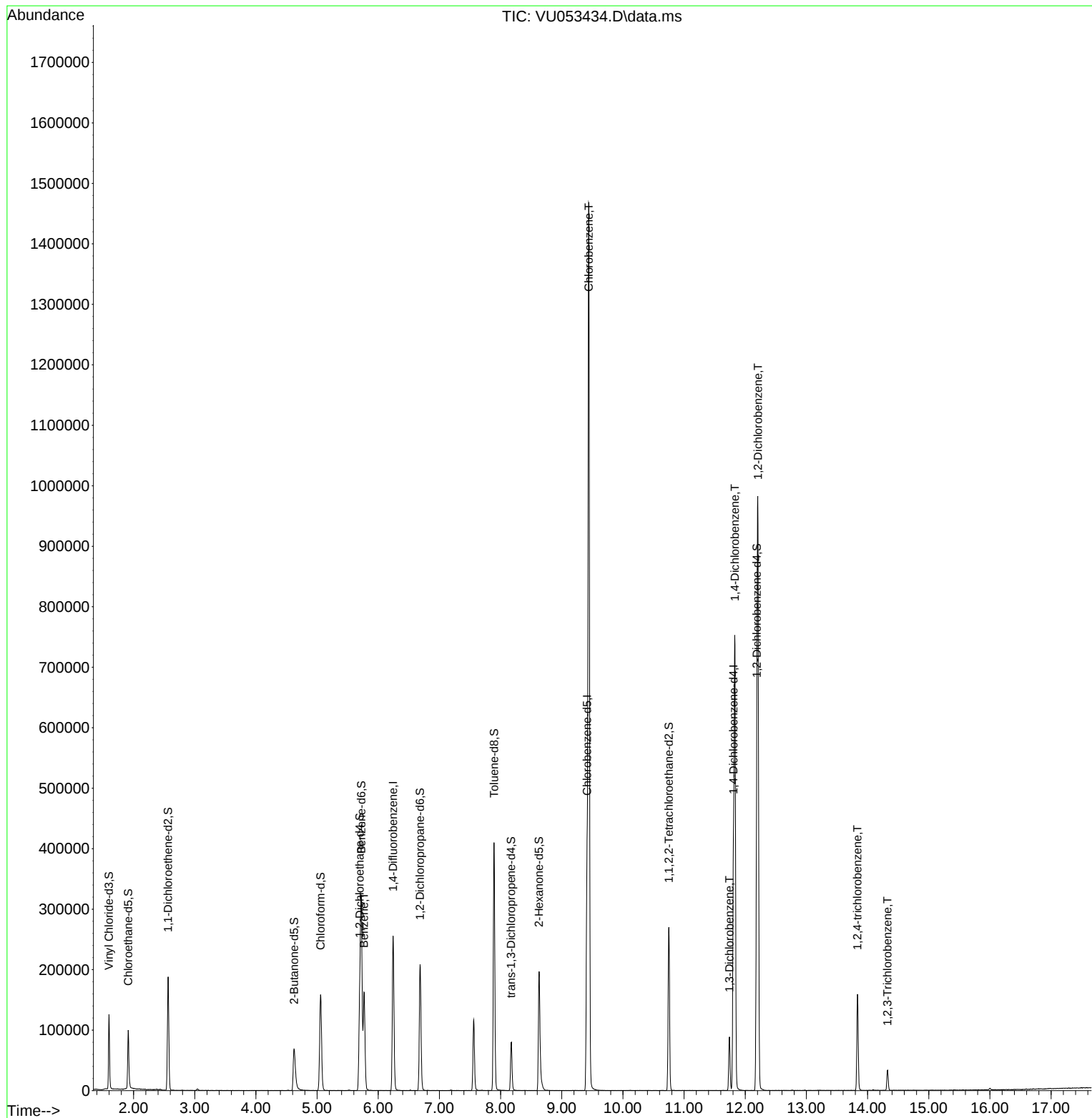
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	203432	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	192563	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	96240	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	88054	46.918	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	93.840%	
7) Chloroethane-d5	1.912	69	70486	46.431	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	92.860%	
11) 1,1-Dichloroethene-d2	2.565	63	110177	33.888	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	67.780%	
21) 2-Butanone-d5	4.623	46	114676	131.742	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	131.740%#	
24) Chloroform-d	5.057	84	142425	46.075	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	92.140%	
26) 1,2-Dichloroethane-d4	5.697	65	95627	49.813	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	99.620%	
32) Benzene-d6	5.723	84	293231	46.948	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	93.900%	
36) 1,2-Dichloropropane-d6	6.684	67	100435	49.823	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	99.640%	
41) Toluene-d8	7.893	98	268672	46.203	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	92.400%	
43) trans-1,3-Dichloroprop...	8.173	79	44076	44.316	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	88.640%	
47) 2-Hexanone-d5	8.629	63	64676	102.625	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	102.620%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	132495	50.738	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	101.480%	
66) 1,2-Dichlorobenzene-d4	12.189	152	100442	53.900	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	107.800%	
Target Compounds						
					Qvalue	
33) Benzene	5.768	78	152430	22.833	ug/L	100
51) Chlorobenzene	9.443	112	755689	168.937	ug/L	99
64) 1,3-Dichlorobenzene	11.742	146	34692	10.878	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	272943	85.255	ug/L	95
67) 1,2-Dichlorobenzene	12.208	146	352321	110.534	ug/L	96
70) 1,2,4-trichlorobenzene	13.835	180	46053	25.349	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	10815	6.277	ug/L	94

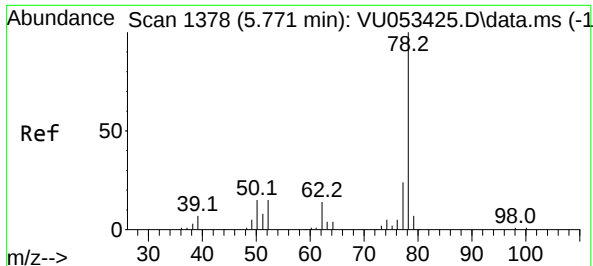
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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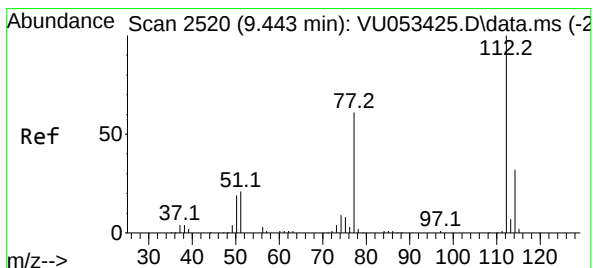
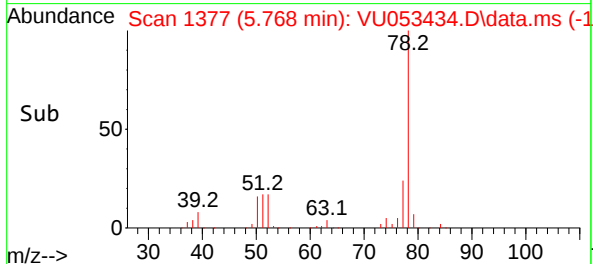
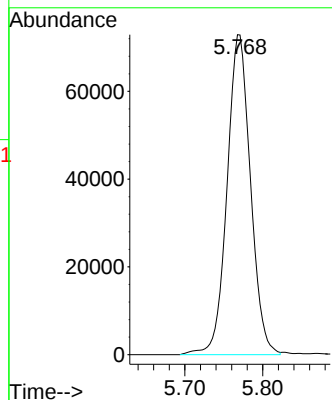
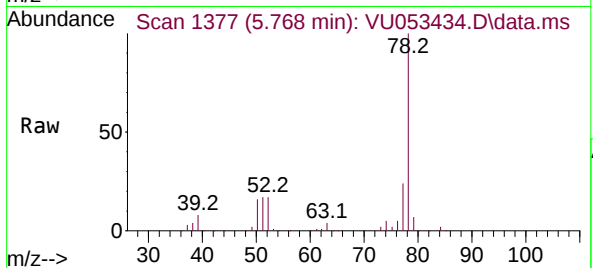




#33
Benzene
Concen: 22.833 ug/L
RT: 5.768 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU053434.D
Acq: 28 Mar 2023 15:30

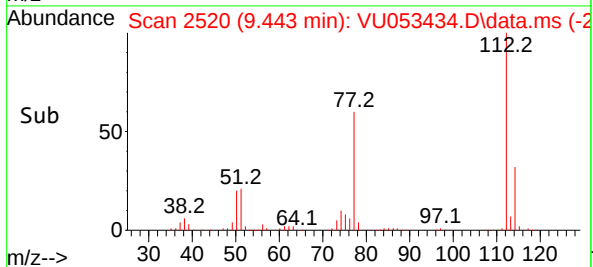
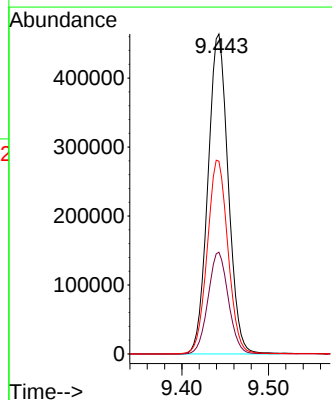
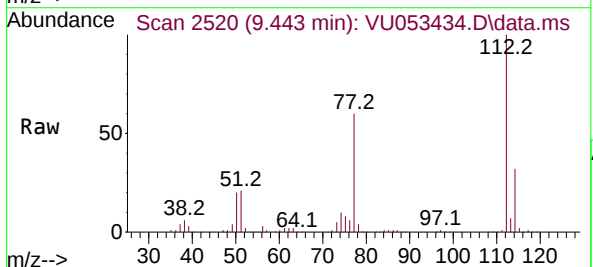
Instrument :
MSVOA_U
ClientSampleId :
COMB4

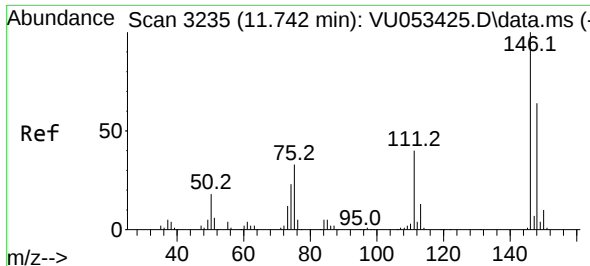
Tgt Ion: 78 Resp: 152430



#51
Chlorobenzene
Concen: 168.937 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. -0.000 min
Lab File: VU053434.D
Acq: 28 Mar 2023 15:30

Tgt Ion: 112 Resp: 755689
Ion Ratio Lower Upper
112 100
114 31.8 21.8 40.6
77 60.3 48.8 73.2

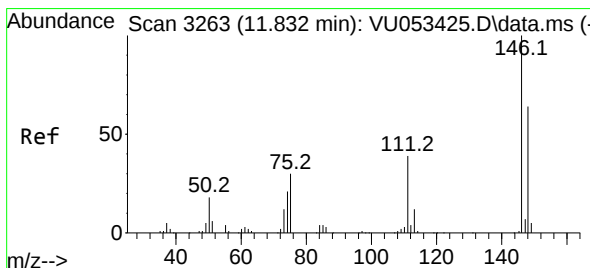
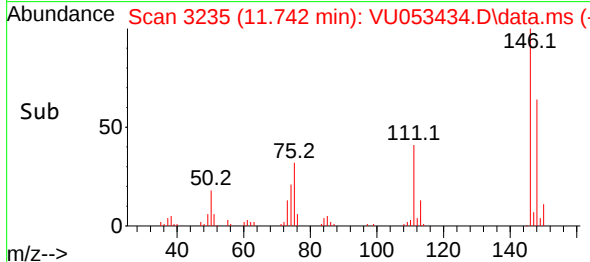
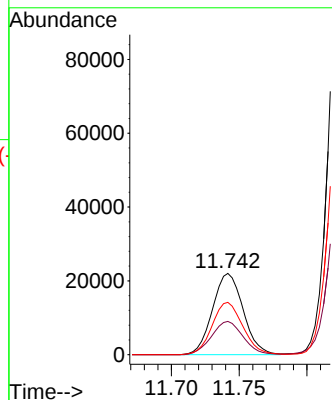
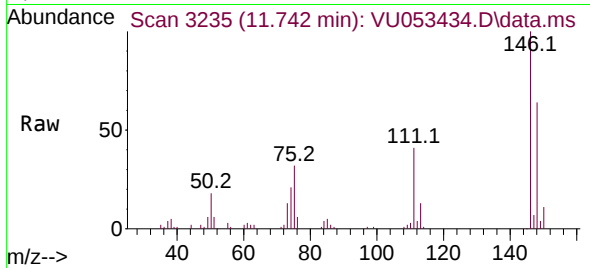




#64
1,3-Dichlorobenzene
Concen: 10.878 ug/L
RT: 11.742 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU053434.D
Acq: 28 Mar 2023 15:30

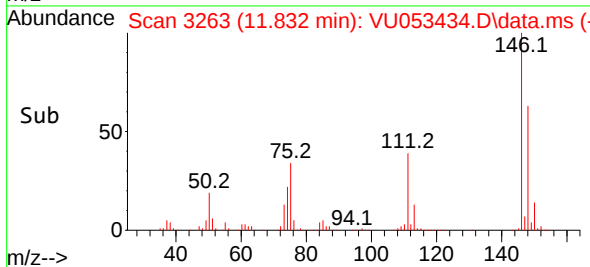
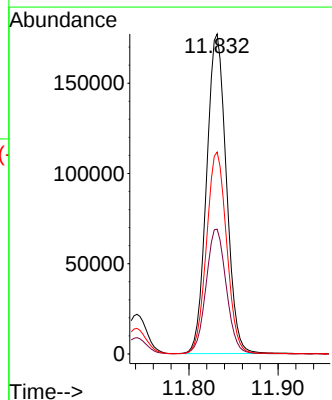
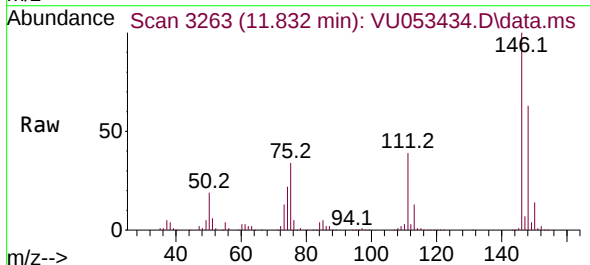
Instrument :
MSVOA_U
ClientSampleId :
COMB4

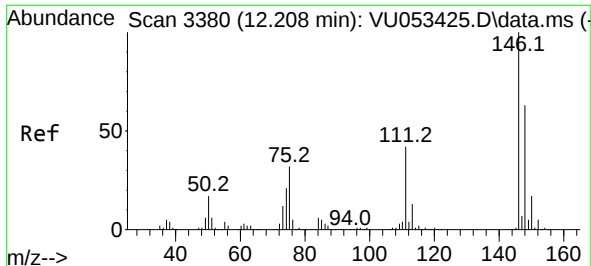
Tgt Ion:146 Resp: 34692
Ion Ratio Lower Upper
146 100
111 40.9 30.2 56.0
148 64.3 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 85.255 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU053434.D
Acq: 28 Mar 2023 15:30

Tgt Ion:146 Resp: 272943
Ion Ratio Lower Upper
146 100
111 39.0 30.7 57.1
148 63.1 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 110.534 ug/L

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU053434.D

Acq: 28 Mar 2023 15:30

Instrument :

MSVOA_U

ClientSampleId :

COMB4

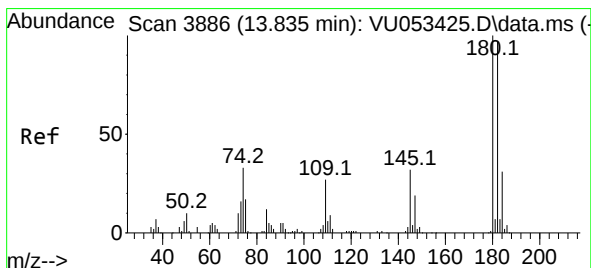
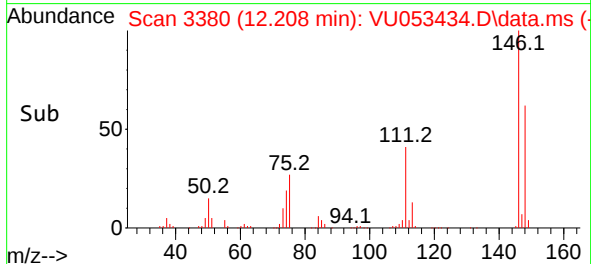
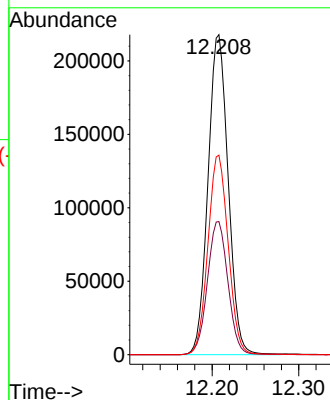
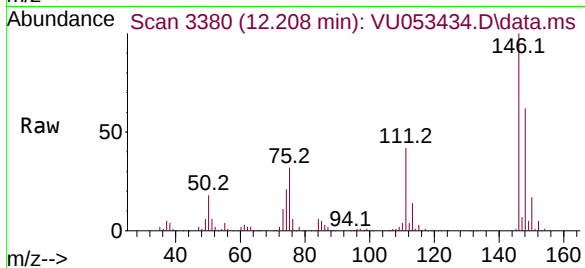
Tgt Ion:146 Resp: 352321

Ion Ratio Lower Upper

146 100

111 41.6 37.0 55.4

148 62.3 51.4 77.2



#70

1,2,4-trichlorobenzene

Concen: 25.349 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU053434.D

Acq: 28 Mar 2023 15:30

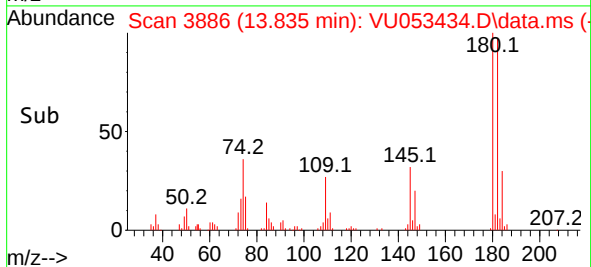
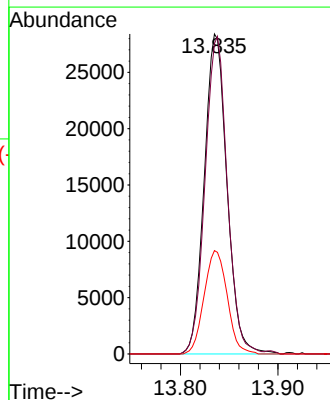
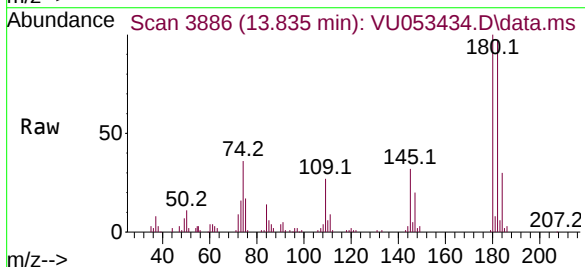
Tgt Ion:180 Resp: 46053

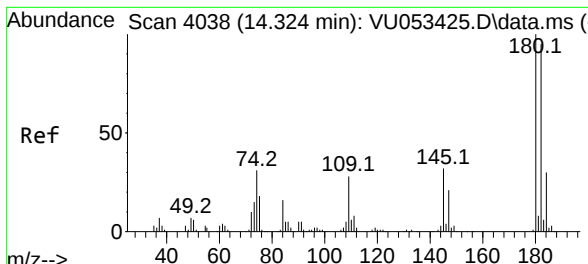
Ion Ratio Lower Upper

180 100

182 97.1 75.8 113.8

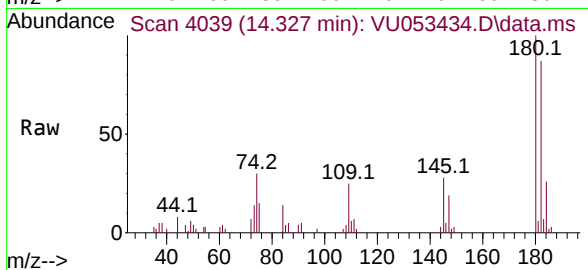
145 32.7 27.2 40.8





#72
 1,2,3-Trichlorobenzene
 Concen: 6.277 ug/L
 RT: 14.327 min Scan# 4039
 Delta R.T. 0.003 min
 Lab File: VU053434.D
 Acq: 28 Mar 2023 15:30

Instrument :
 MSVOA_U
 ClientSampleId :
 COMB4



Tgt Ion:	180	Resp:	10815
Ion Ratio	Lower	Upper	
180	100		
182	90.9	76.7	115.1
145	30.4	28.6	42.8

