

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
 Data File : VU052879.D
 Acq On : 31 Jan 2023 14:55
 Operator : JC/MD
 Sample : 01314-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

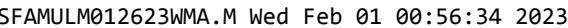
Quant Time: Feb 01 00:56:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 00:53:48 2023
 Response via : Initial Calibration

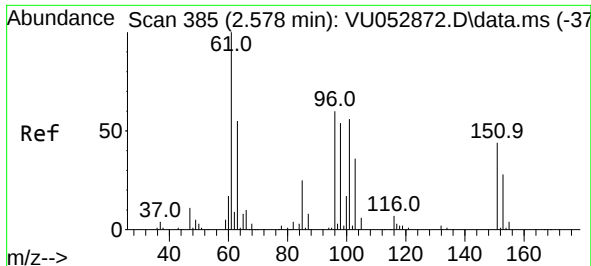
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	224553	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	223174	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	101395	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	59354	36.724	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	73.440%		
7) Chloroethane-d5	1.909	69	61126	45.899	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.800%		
11) 1,1-Dichloroethene-d2	2.565	63	98297	30.578	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	61.160%		
21) 2-Butanone-d5	4.620	46	104197	104.361	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.360%		
24) Chloroform-d	5.057	84	164807	47.779	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.560%		
26) 1,2-Dichloroethane-d4	5.697	65	110354	50.105	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.220%		
32) Benzene-d6	5.723	84	295670	43.364	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.720%		
36) 1,2-Dichloropropane-d6	6.684	67	94735	47.374	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.740%		
41) Toluene-d8	7.893	98	246186	39.652	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	79.300%#		
43) trans-1,3-Dichloroprop...	8.173	79	43674	43.575	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.140%		
47) 2-Hexanone-d5	8.629	63	66711	94.943	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	94.940%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	141176	47.783	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	95.560%		
66) 1,2-Dichlorobenzene-d4	12.189	152	106861	54.277	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.560%		
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.568	96	1057	0.636	ug/L #	1
20) cis-1,2-Dichloroethene	4.662	96	46693	24.362	ug/L	100
34) Trichloroethene	6.539	95	25568	13.241	ug/L	92
37) 1,2-Dichloropropane	6.687	63	10886	5.829	ug/L #	85
51) Chlorobenzene	9.443	112	10805	2.017	ug/L	89
64) 1,3-Dichlorobenzene	11.742	146	3350	1.014	ug/L	94
65) 1,4-Dichlorobenzene	11.832	146	43266	12.649	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	438501	131.215	ug/L	99
69) 1,3,5-Trichlorobenzene	13.838	180	4259	1.741	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	4259	2.077	ug/L	98

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

Quant Time: Feb 01 00:56:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 01 00:53:48 2023
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#12

1,1-Dichloroethene

Concen: 0.636 ug/L

RT: 2.568 min Scan# 385

Delta R.T. -0.009 min

Lab File: VU052879.D

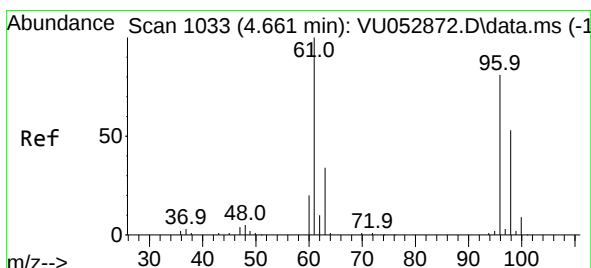
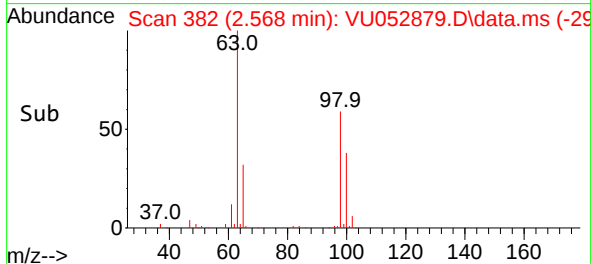
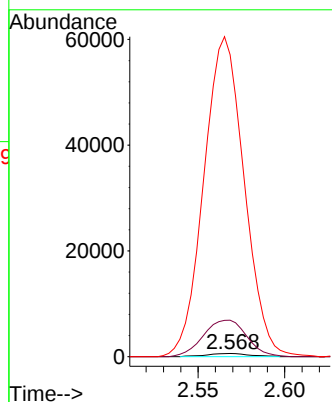
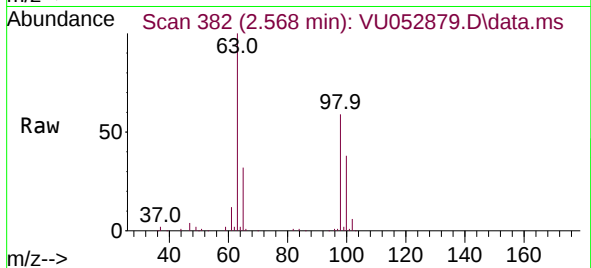
Acq: 31 Jan 2023 14:55

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	96	Resp:	1057
Ion	Ratio	Lower	Upper
96	100		
61	1121.8	114.3	212.3#
63	9283.9	80.6	149.6#



#20

cis-1,2-Dichloroethene

Concen: 24.362 ug/L

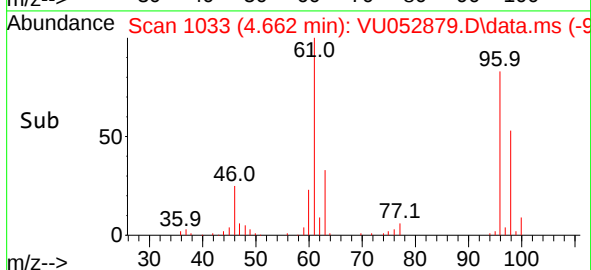
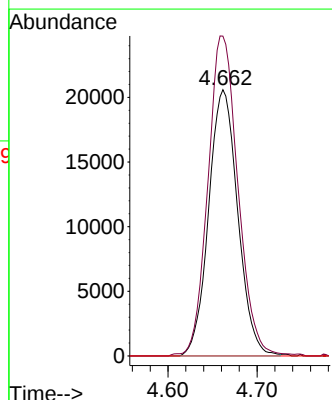
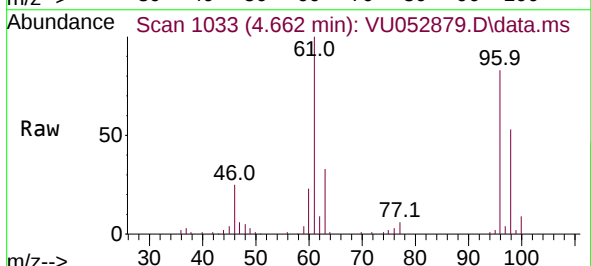
RT: 4.662 min Scan# 1033

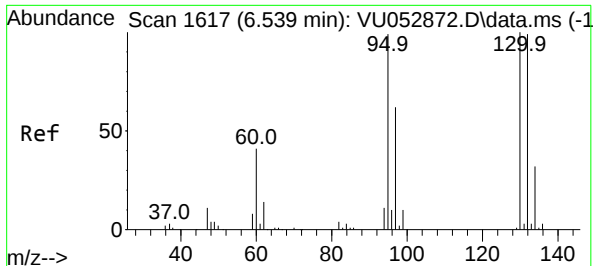
Delta R.T. 0.000 min

Lab File: VU052879.D

Acq: 31 Jan 2023 14:55

Tgt Ion:	96	Resp:	46693
Ion	Ratio	Lower	Upper
96	100		
61	120.1	84.1	156.1
68	0.0	0.0	0.0

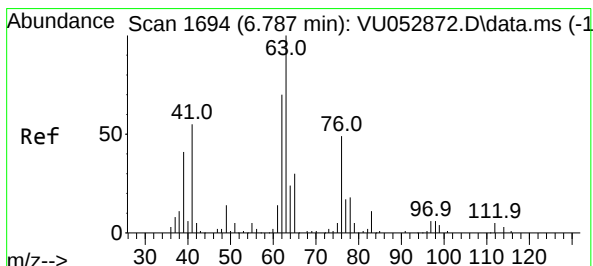
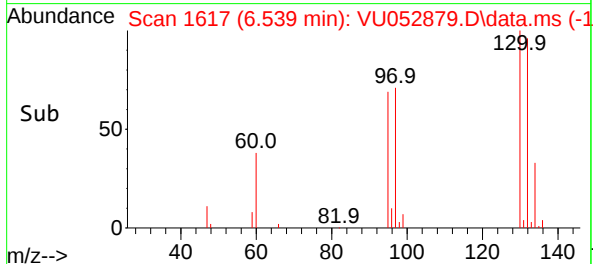
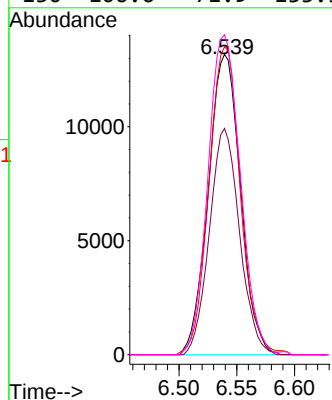
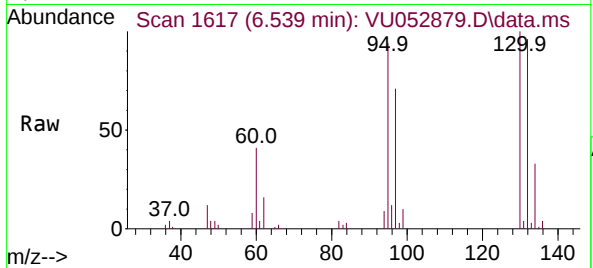




#34
Trichloroethene
Concen: 13.241 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU052879.D
Acq: 31 Jan 2023 14:55

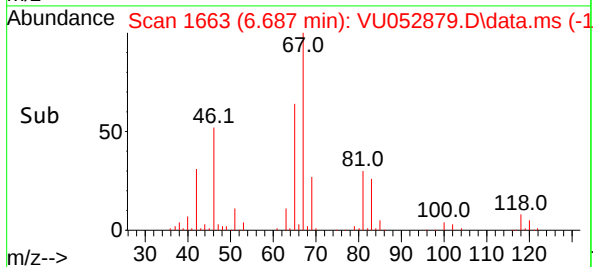
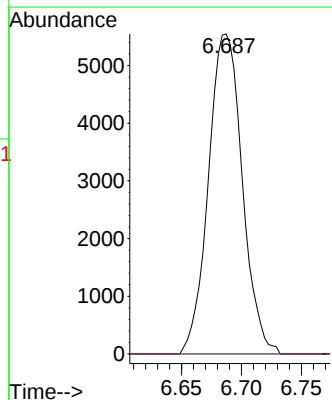
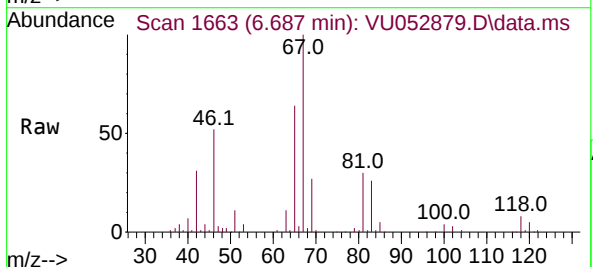
Instrument :
MSVOA_U
ClientSampleId :

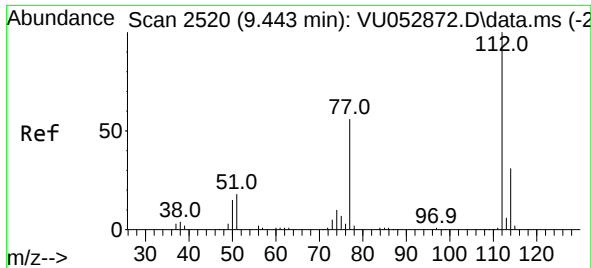
Tgt Ion: 95 Resp: 25568
Ion Ratio Lower Upper
95 100
97 75.3 44.5 82.7
132 102.6 66.8 124.0
130 106.6 71.9 133.5



#37
1,2-Dichloropropane
Concen: 5.829 ug/L
RT: 6.687 min Scan# 1663
Delta R.T. -0.099 min
Lab File: VU052879.D
Acq: 31 Jan 2023 14:55

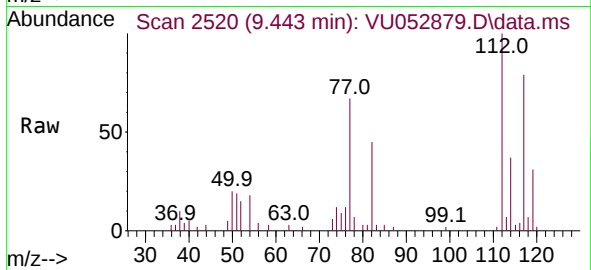
Tgt Ion: 63 Resp: 10886
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#



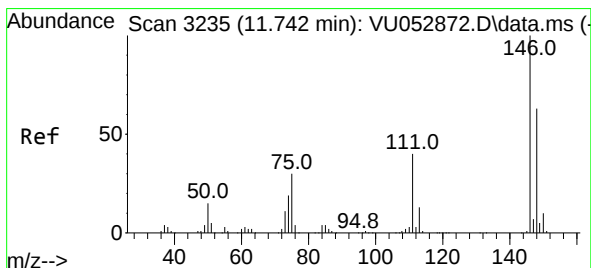
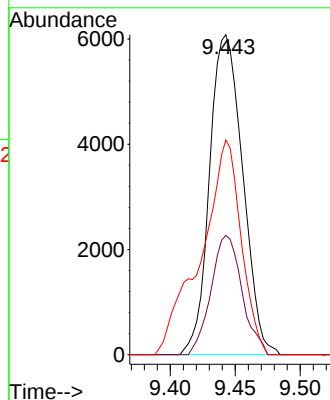
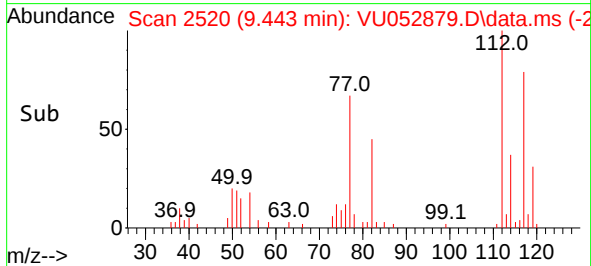


#51
Chlorobenzene
Concen: 2.017 ug/L
RT: 9.443 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052879.D
Acq: 31 Jan 2023 14:55

Instrument :
MSVOA_U
ClientSampleId :

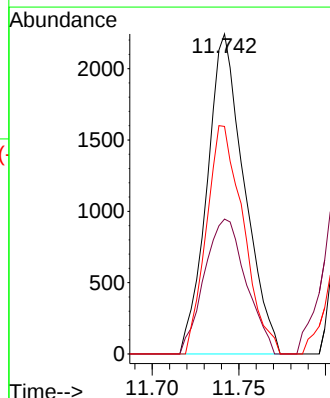
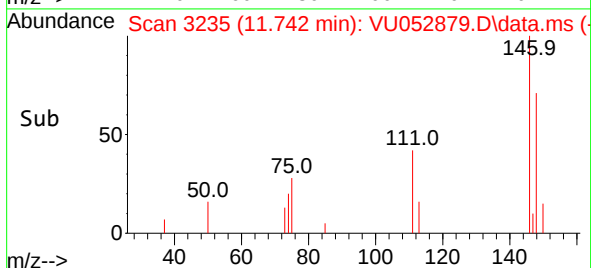
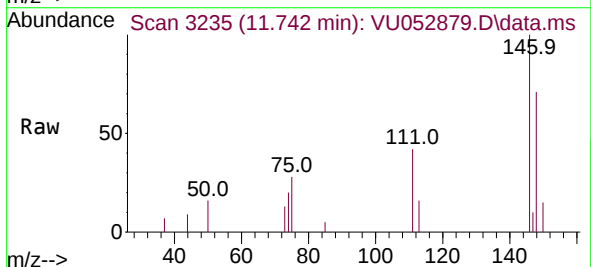


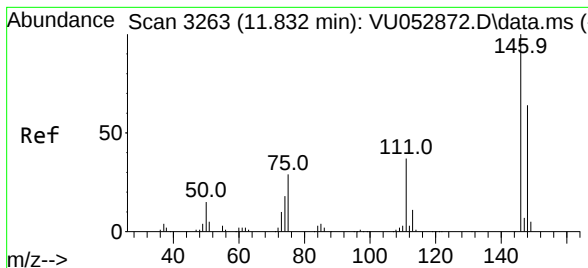
Tgt Ion:112 Resp: 10805
Ion Ratio Lower Upper
112 100
114 37.3 22.8 42.4
77 67.1 45.9 68.9



#64
1,3-Dichlorobenzene
Concen: 1.014 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU052879.D
Acq: 31 Jan 2023 14:55

Tgt Ion:146 Resp: 3350
Ion Ratio Lower Upper
146 100
111 42.2 27.8 51.6
148 71.1 45.5 84.5





#65

1,4-Dichlorobenzene

Concen: 12.649 ug/L

RT: 11.832 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU052879.D

Acq: 31 Jan 2023 14:55

Instrument :

MSVOA_U

ClientSampleId :

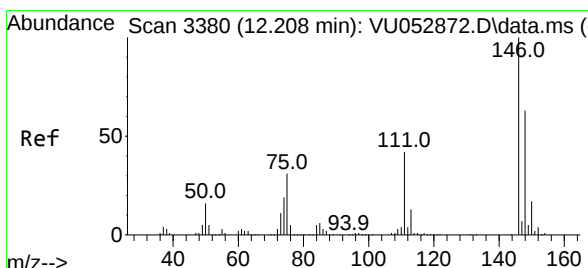
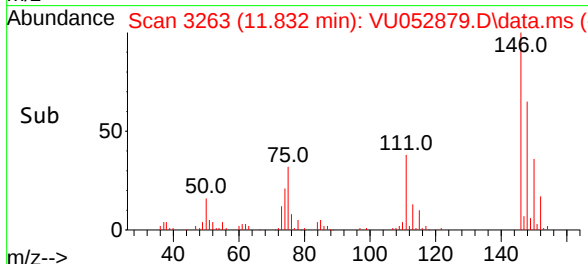
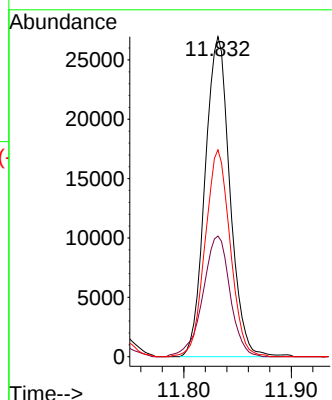
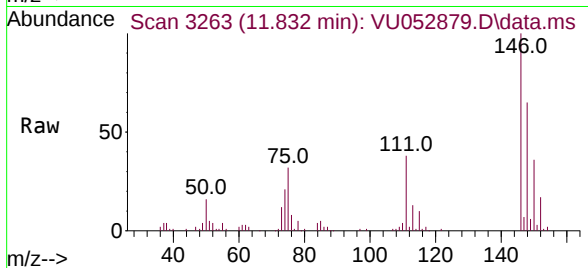
Tgt Ion:146 Resp: 43266

Ion Ratio Lower Upper

146 100

111 37.7 26.7 49.7

148 64.7 45.6 84.6



#67

1,2-Dichlorobenzene

Concen: 131.215 ug/L

RT: 12.208 min Scan# 3380

Delta R.T. 0.000 min

Lab File: VU052879.D

Acq: 31 Jan 2023 14:55

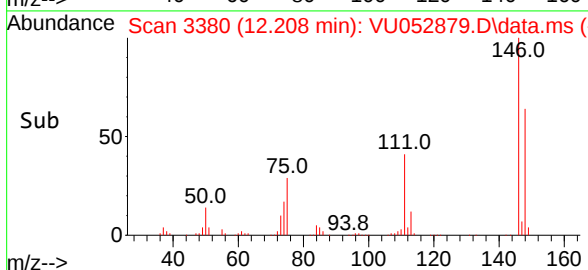
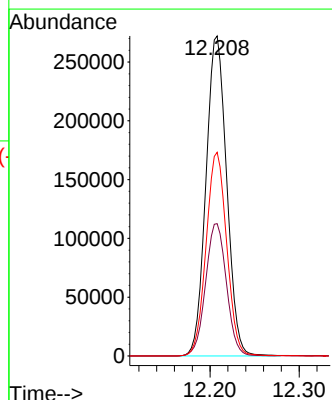
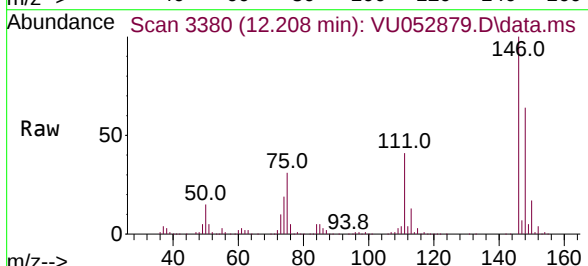
Tgt Ion:146 Resp: 438501

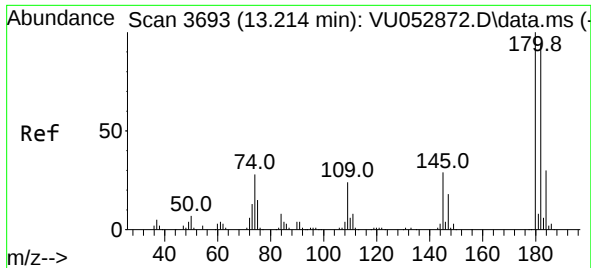
Ion Ratio Lower Upper

146 100

111 41.4 33.2 49.8

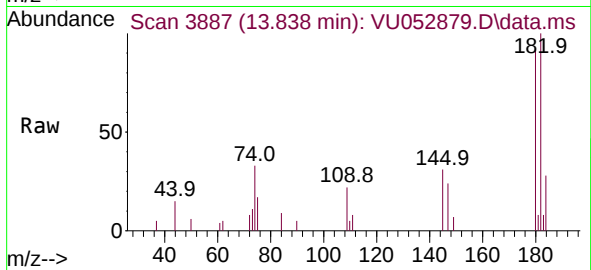
148 63.7 50.2 75.4





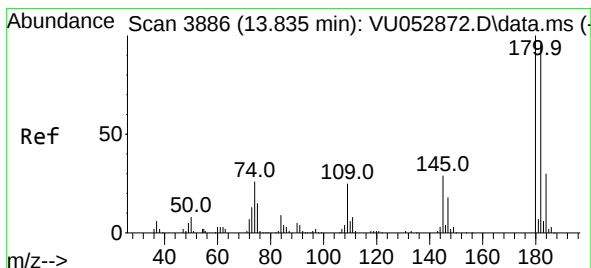
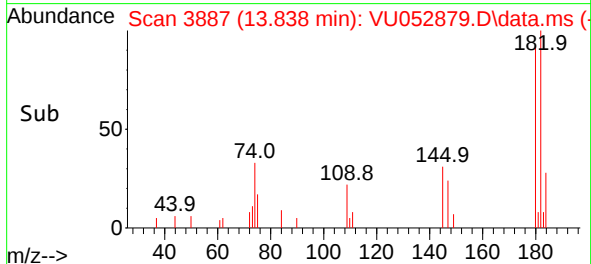
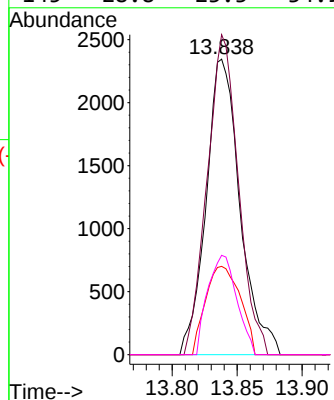
#69
1,3,5-Trichlorobenzene
Concen: 1.741 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.624 min
Lab File: VU052879.D
Acq: 31 Jan 2023 14:55

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:180 Resp: 4259

Ion	Ratio	Lower	Upper
180	100		
182	99.5	77.0	115.6
184	30.6	24.4	36.6
145	28.8	23.3	34.9



#70
1,2,4-trichlorobenzene
Concen: 2.077 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU052879.D
Acq: 31 Jan 2023 14:55

Tgt Ion:180 Resp: 4259

Ion	Ratio	Lower	Upper
180	100		
182	99.5	78.2	117.2
145	28.8	23.4	35.2

