

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
 Data File : VU052888.D
 Acq On : 31 Jan 2023 18:50
 Operator : JC/MD
 Sample : 01381-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 01 00:59:00 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)

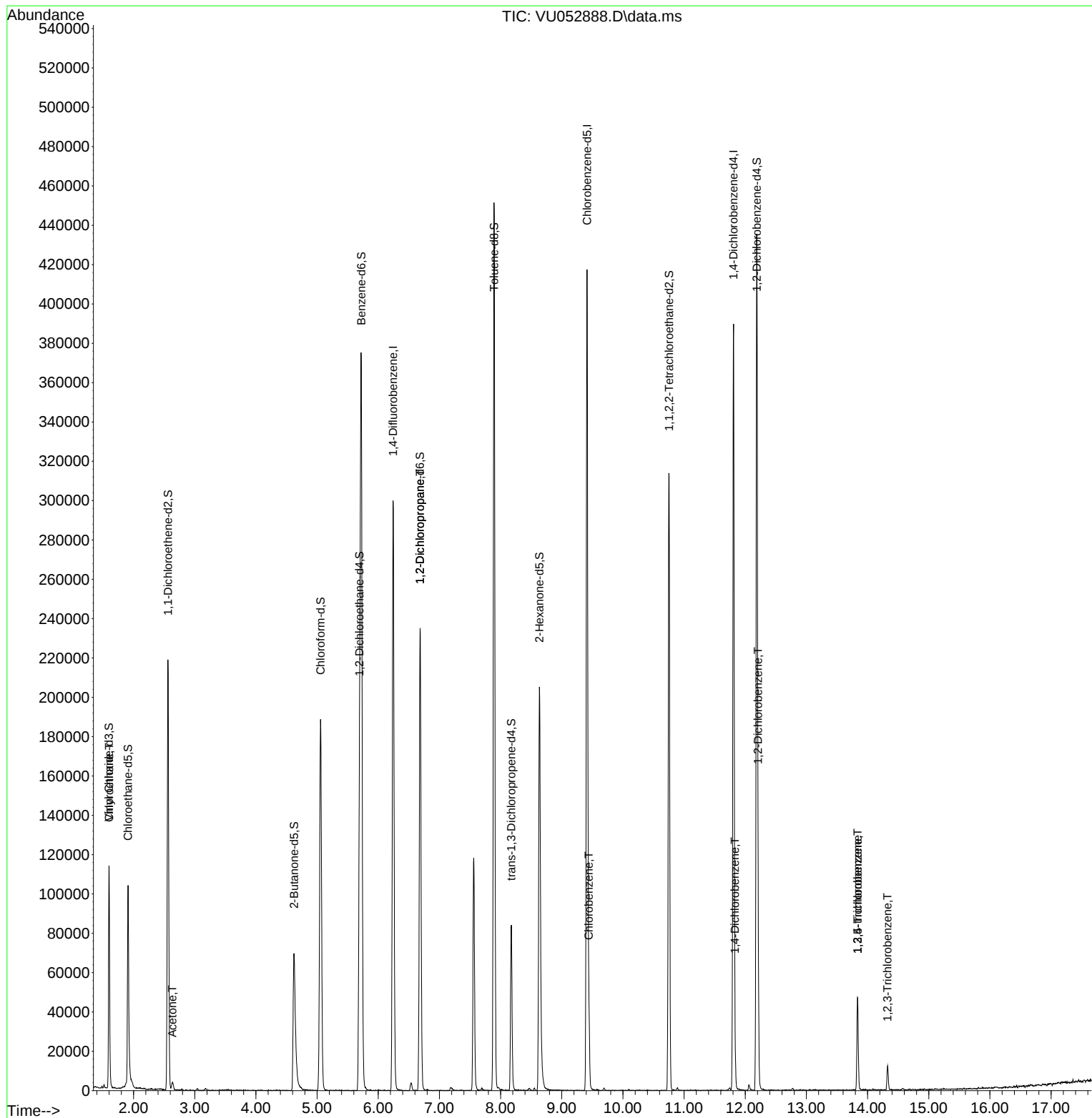
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	249125	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	238850	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	106432	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	86265	48.110	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	96.220%		
7) Chloroethane-d5	1.909	69	77439	52.413	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	104.820%		
11) 1,1-Dichloroethene-d2	2.562	63	129068	36.190	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.380%		
21) 2-Butanone-d5	4.623	46	107647	97.182	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.180%		
24) Chloroform-d	5.057	84	180923	47.278	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.560%		
26) 1,2-Dichloroethane-d4	5.694	65	121212	49.607	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.220%		
32) Benzene-d6	5.723	84	349643	47.914	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.820%		
36) 1,2-Dichloropropane-d6	6.684	67	108158	50.537	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	101.080%		
41) Toluene-d8	7.893	98	296447	44.613	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.220%		
43) trans-1,3-Dichloroprop...	8.176	79	48716	45.415	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.840%		
47) 2-Hexanone-d5	8.636	63	72326	96.179	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.180%		
56) 1,1,2,2-Tetrachloroeth...	10.755	84	148877	47.082	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.160%		
66) 1,2-Dichlorobenzene-d4	12.189	152	111742	54.070	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.140%		
Target Compounds						Qvalue
8) Chloroethane	1.601	64	1492	1.116	ug/L #	1
13) Acetone	2.636	43	5435	4.017	ug/L	84
37) 1,2-Dichloropropane	6.684	63	12175	6.091	ug/L #	85
51) Chlorobenzene	9.443	112	21110	3.682	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	5829	1.624	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	26505	7.556	ug/L	93
69) 1,3,5-Trichlorobenzene	13.838	180	15880	6.185	ug/L	98
70) 1,2,4-trichlorobenzene	13.838	180	15880	7.377	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	4458	1.960	ug/L	99

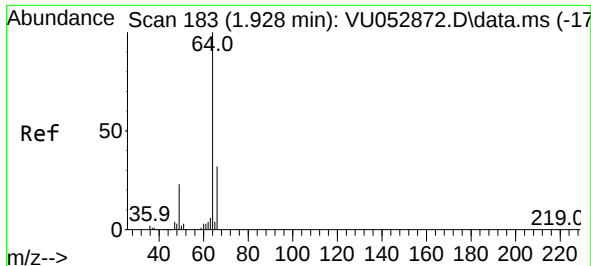
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
Data File : VU052888.D
Acq On : 31 Jan 2023 18:50
Operator : JC/MD
Sample : 01381-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Feb 01 00:59:00 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





#8

Chloroethane

Concen: 1.116 ug/L

RT: 1.601 min Scan# 81

Delta R.T. -0.328 min

Lab File: VU052888.D

Acq: 31 Jan 2023 18:50

Instrument :

MSVOA_U

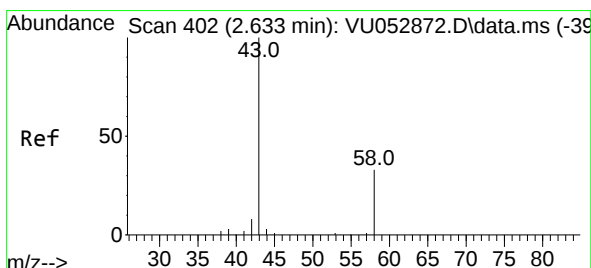
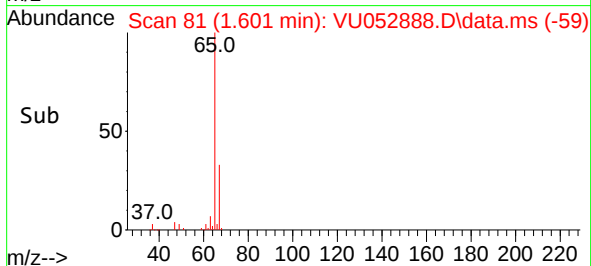
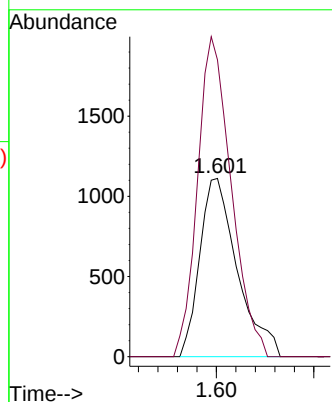
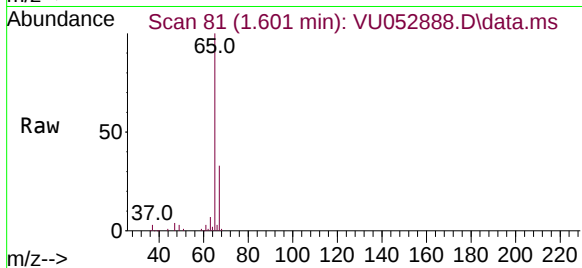
ClientSampleId :

Tgt Ion: 64 Resp: 1492

Ion Ratio Lower Upper

64 100

66 166.5 24.1 44.7#



#13

Acetone

Concen: 4.017 ug/L

RT: 2.636 min Scan# 403

Delta R.T. 0.003 min

Lab File: VU052888.D

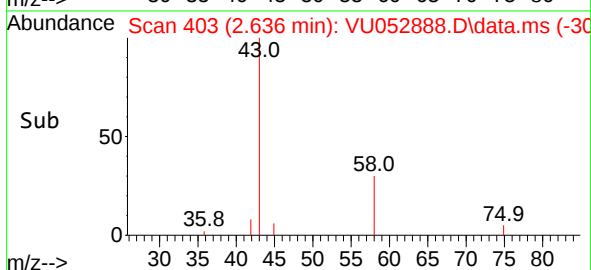
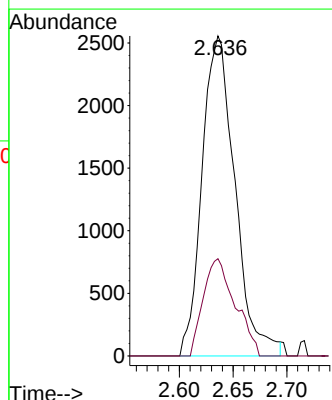
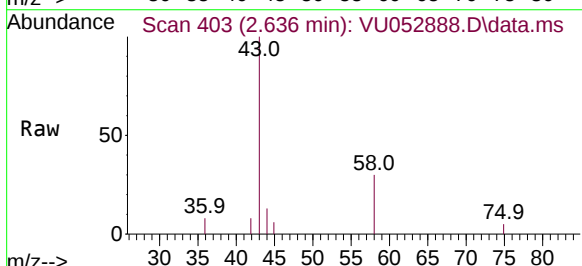
Acq: 31 Jan 2023 18:50

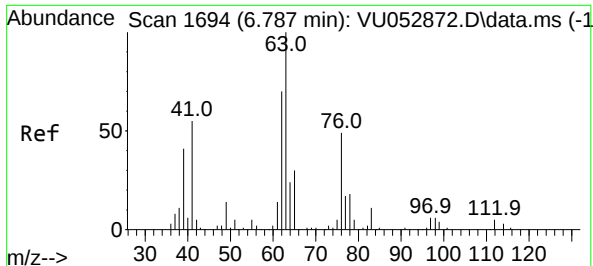
Tgt Ion: 43 Resp: 5435

Ion Ratio Lower Upper

43 100

58 25.5 0.0 70.2





#37

1,2-Dichloropropane

Concen: 6.091 ug/L

RT: 6.684 min Scan# 1

Delta R.T. -0.103 min

Lab File: VU052888.D

Acq: 31 Jan 2023 18:50

Instrument :

MSVOA_U

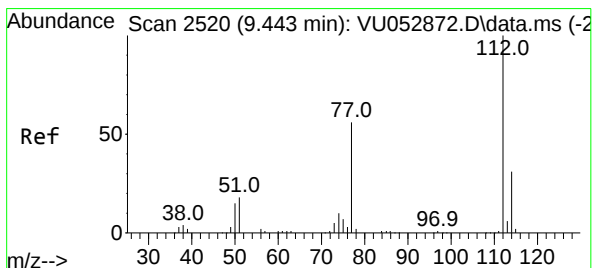
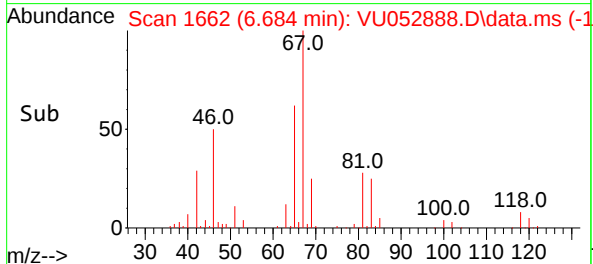
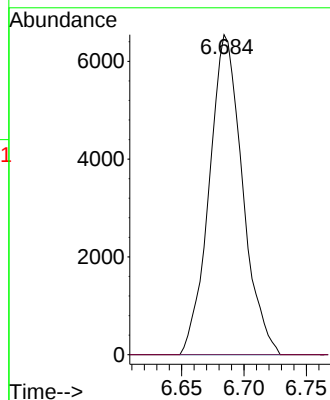
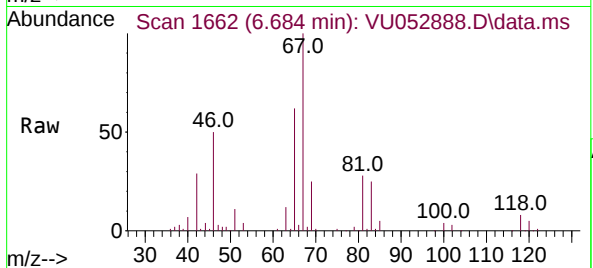
ClientSampleId :

Tgt Ion: 63 Resp: 12175

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#51

Chlorobenzene

Concen: 3.682 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. 0.000 min

Lab File: VU052888.D

Acq: 31 Jan 2023 18:50

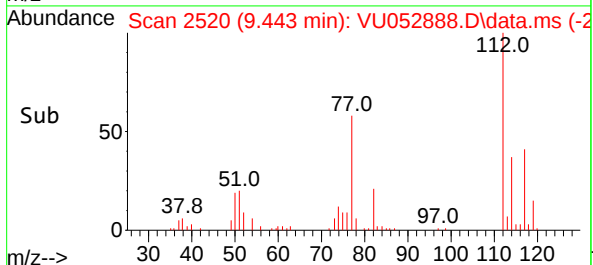
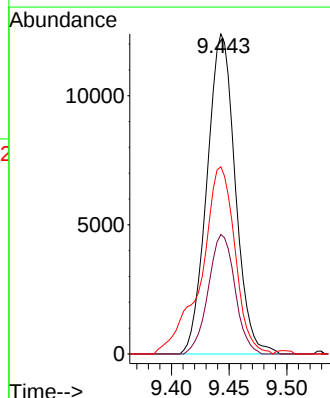
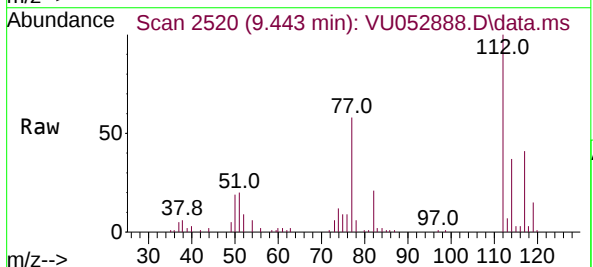
Tgt Ion: 112 Resp: 21110

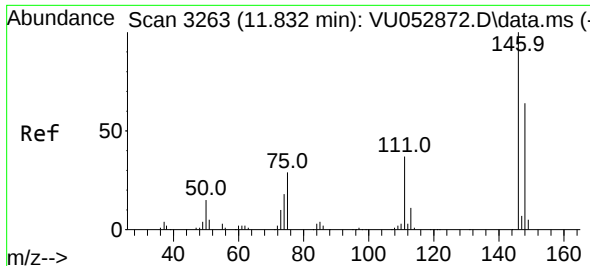
Ion Ratio Lower Upper

112 100

114 37.4 22.8 42.4

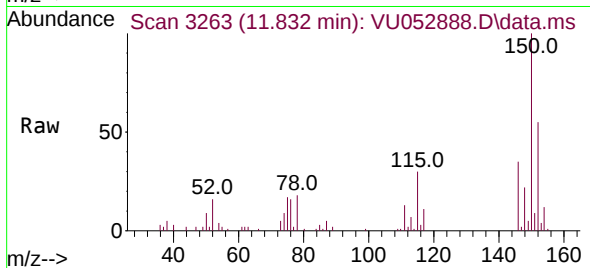
77 58.5 45.9 68.9



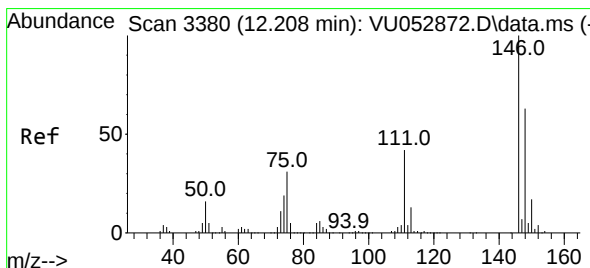
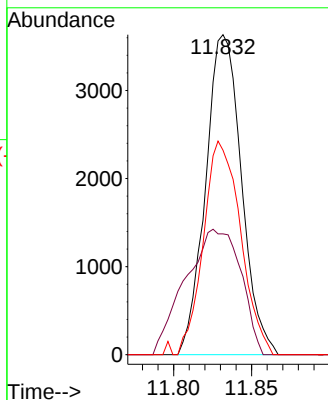
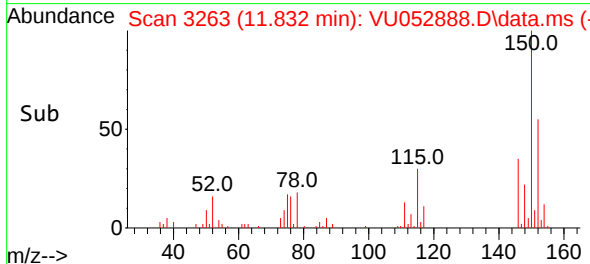


#65
1,4-Dichlorobenzene
Concen: 1.624 ug/L
RT: 11.832 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052888.D
Acq: 31 Jan 2023 18:50

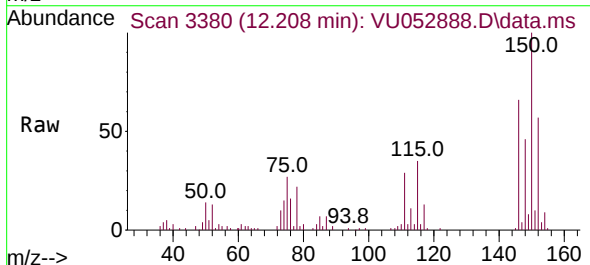
Instrument :
MSVOA_U
ClientSampleId :



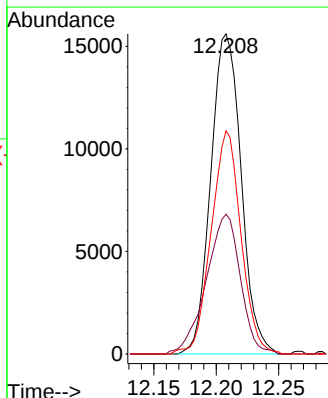
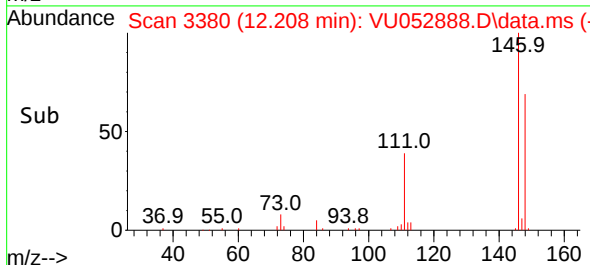
Tgt Ion:146 Resp: 5829
Ion Ratio Lower Upper
146 100
111 37.7 26.7 49.7
148 63.9 45.6 84.6

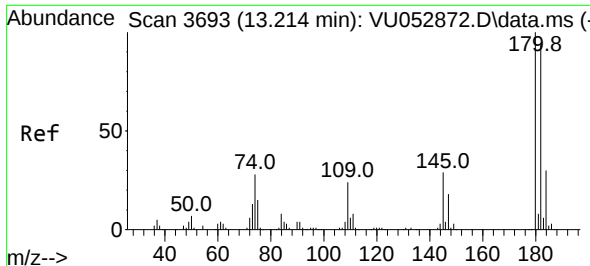


#67
1,2-Dichlorobenzene
Concen: 7.556 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU052888.D
Acq: 31 Jan 2023 18:50



Tgt Ion:146 Resp: 26505
Ion Ratio Lower Upper
146 100
111 43.6 33.2 49.8
148 69.8 50.2 75.4





#69

1,3,5-Trichlorobenzene

Concen: 6.185 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.624 min

Lab File: VU052888.D

Acq: 31 Jan 2023 18:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 15880

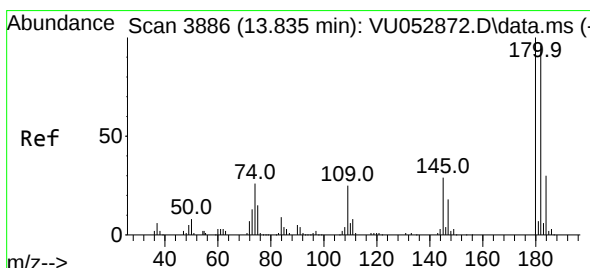
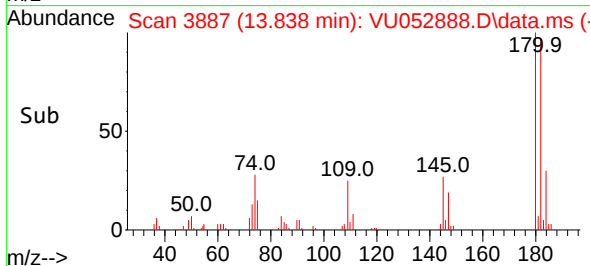
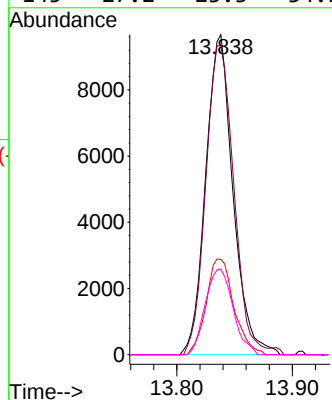
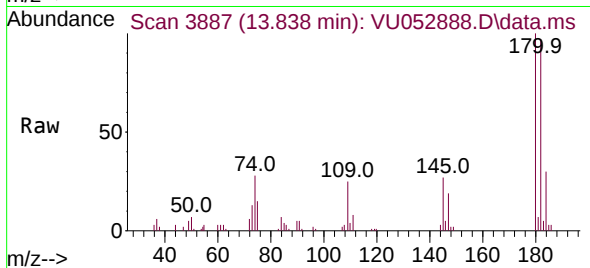
Ion Ratio Lower Upper

180 100

182 98.7 77.0 115.6

184 30.3 24.4 36.6

145 27.2 23.3 34.9



#70

1,2,4-trichlorobenzene

Concen: 7.377 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. 0.003 min

Lab File: VU052888.D

Acq: 31 Jan 2023 18:50

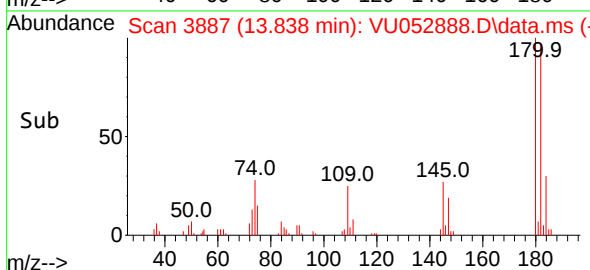
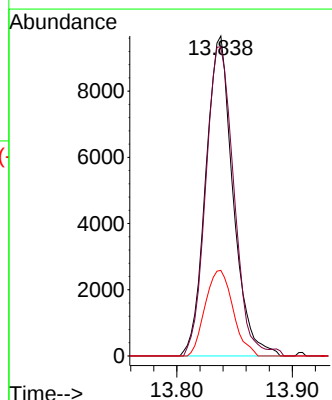
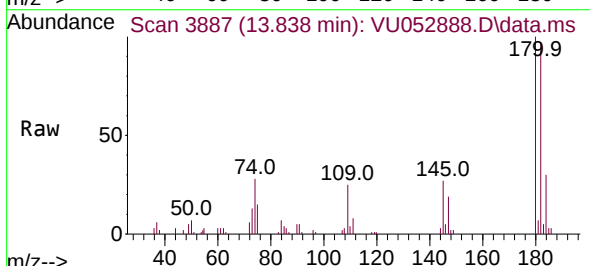
Tgt Ion:180 Resp: 15880

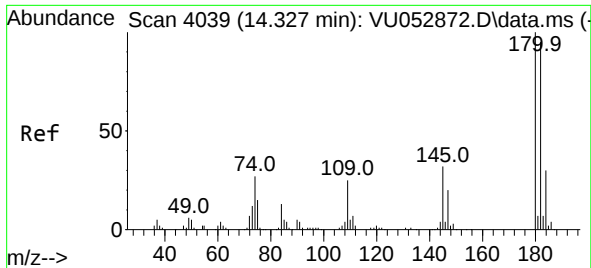
Ion Ratio Lower Upper

180 100

182 98.7 78.2 117.2

145 27.2 23.4 35.2





#72

1,2,3-Trichlorobenzene

Concen: 1.960 ug/L

RT: 14.327 min Scan# 4039

Delta R.T. 0.000 min

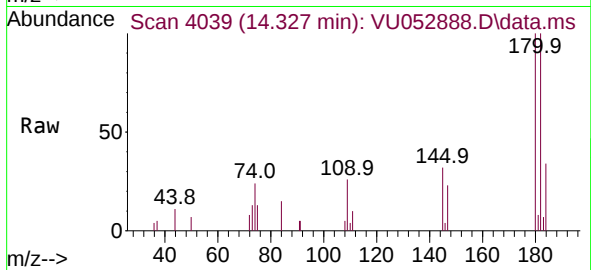
Lab File: VU052888.D

Acq: 31 Jan 2023 18:50

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 4458

Ion Ratio Lower Upper

180 100

182 98.1 77.5 116.3

145 31.2 24.2 36.4

