

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090322\
 Data File : VU050610.D
 Acq On : 03 Sep 2022 14:26
 Operator : SY/MD
 Sample : N4458-02 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KW5

Quant Time: Sep 05 01:07:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 05 01:05:15 2022
 Response via : Initial Calibration

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

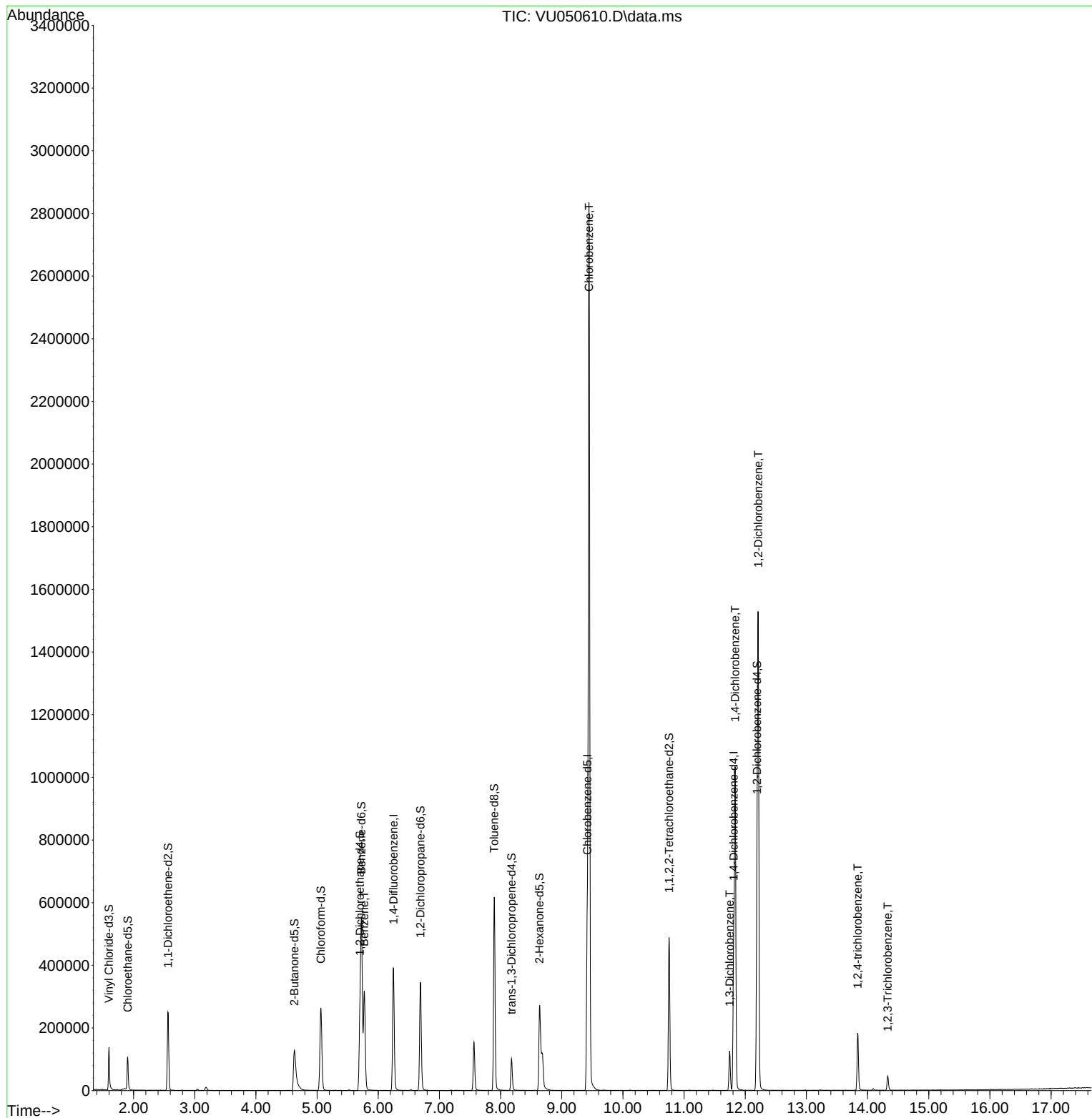
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	320953	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	308381	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	116837	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	110472	40.243	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	80.480%	
7) Chloroethane-d5	1.903	69	77361	41.673	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	83.340%	
11) 1,1-Dichloroethene-d2	2.562	63	148465	30.605	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	61.200%	
21) 2-Butanone-d5	4.629	46	197607	98.389	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	98.390%	
24) Chloroform-d	5.060	84	254865	48.986	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	97.980%	
26) 1,2-Dichloroethane-d4	5.700	65	160981	50.634	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	101.260%	
32) Benzene-d6	5.726	84	515877	50.621	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	101.240%	
36) 1,2-Dichloropropane-d6	6.690	67	175944	52.585	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	105.160%	
41) Toluene-d8	7.896	98	422136	48.438	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	96.880%	
43) trans-1,3-Dichloroprop...	8.179	79	61506	44.428	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	88.860%	
47) 2-Hexanone-d5	8.636	63	81178	96.454	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	96.450%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	251947	49.759	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	99.520%	
66) 1,2-Dichlorobenzene-d4	12.192	152	146788	53.669	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	107.340%	
Target Compounds						
					Qvalue	
33) Benzene	5.771	78	316219	28.176	ug/L	100
51) Chlorobenzene	9.446	112	1534808	216.928	ug/L	100
64) 1,3-Dichlorobenzene	11.745	146	50841	12.494	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	400369	99.538	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	575784	132.855	ug/L	99
70) 1,2,4-trichlorobenzene	13.838	180	58790	23.445	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	15426	5.681	ug/L	99

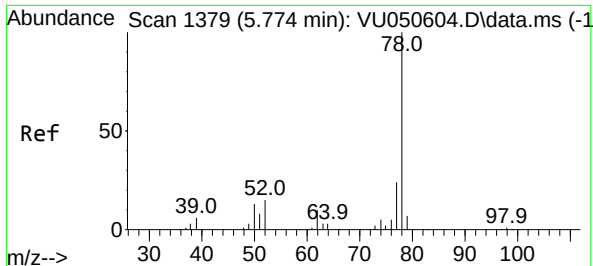
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM090222WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 05 01:05:15 2022
Response via : Initial Calibration





#33

Benzene

Concen: 28.176 ug/L

RT: 5.771 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU050610.D

Acq: 03 Sep 2022 14:26

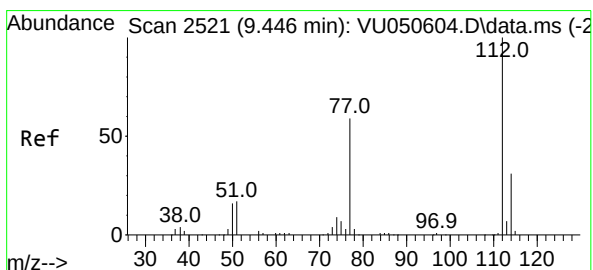
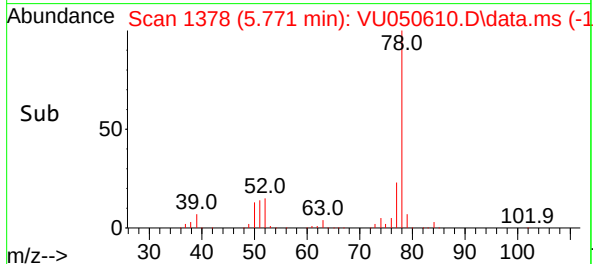
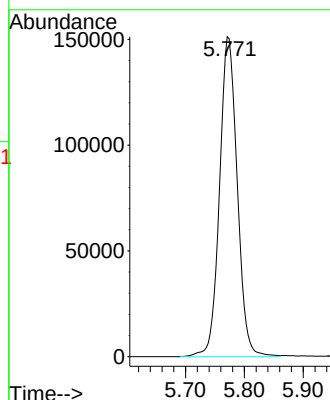
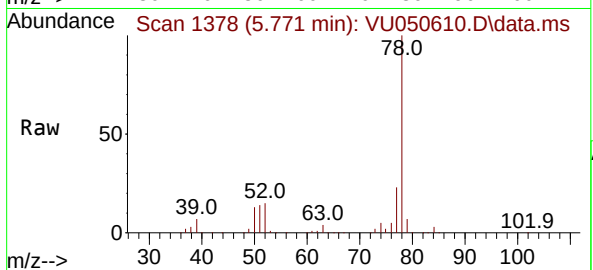
Instrument :

MSVOA_U

ClientSampleId :

C0KW5

Tgt Ion: 78 Resp: 316219



#51

Chlorobenzene

Concen: 216.928 ug/L

RT: 9.446 min Scan# 2521

Delta R.T. 0.000 min

Lab File: VU050610.D

Acq: 03 Sep 2022 14:26

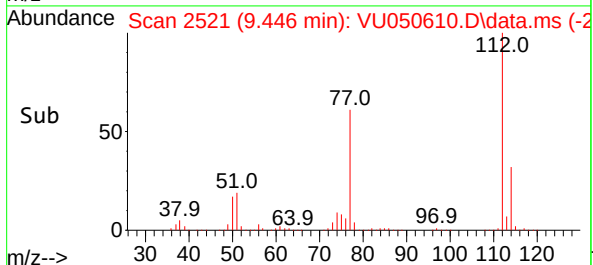
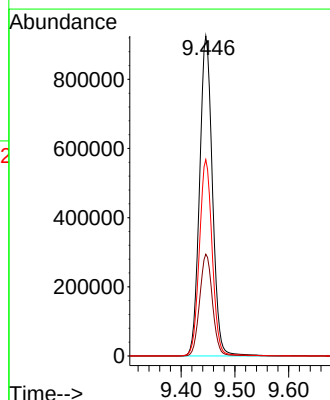
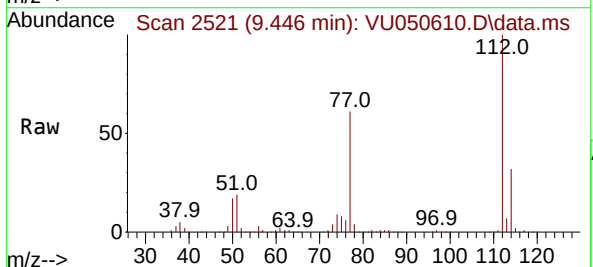
Tgt Ion: 112 Resp: 1534808

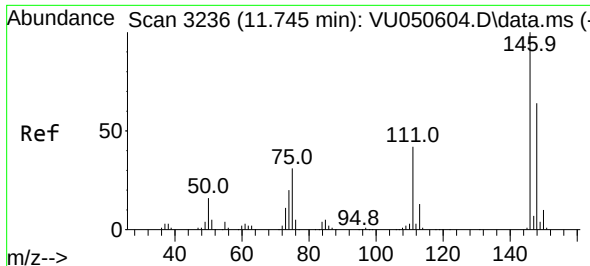
Ion Ratio Lower Upper

112 100

114 31.8 22.1 41.1

77 61.4 49.2 73.8

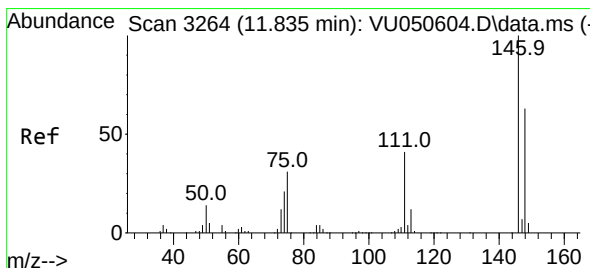
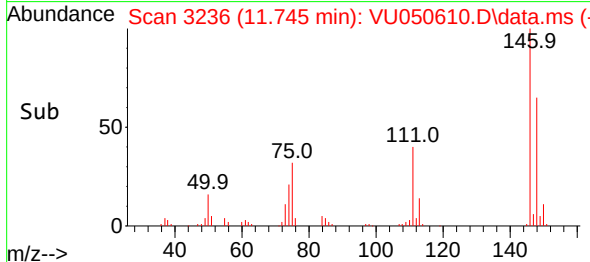
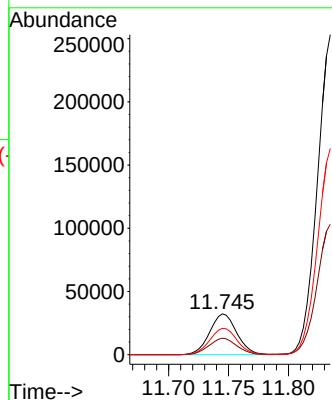
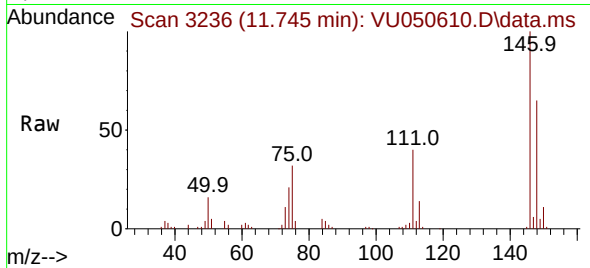




#64
1,3-Dichlorobenzene
Concen: 12.494 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU050610.D
Acq: 03 Sep 2022 14:26

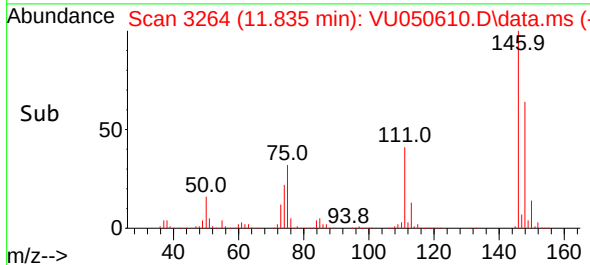
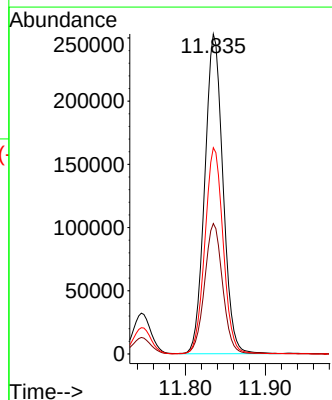
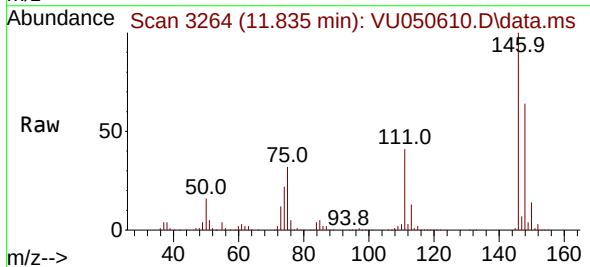
Instrument :
MSVOA_U
ClientSampleId :
C0KW5

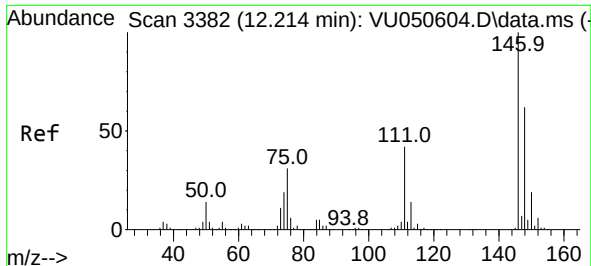
Tgt Ion:146 Resp: 50841
Ion Ratio Lower Upper
146 100
111 40.5 29.9 55.5
148 64.5 45.5 84.5



#65
1,4-Dichlorobenzene
Concen: 99.538 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.000 min
Lab File: VU050610.D
Acq: 03 Sep 2022 14:26

Tgt Ion:146 Resp: 400369
Ion Ratio Lower Upper
146 100
111 40.7 27.9 51.7
148 64.5 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 132.855 ug/L

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU050610.D

Acq: 03 Sep 2022 14:26

Instrument :

MSVOA_U

ClientSampleId :

C0KW5

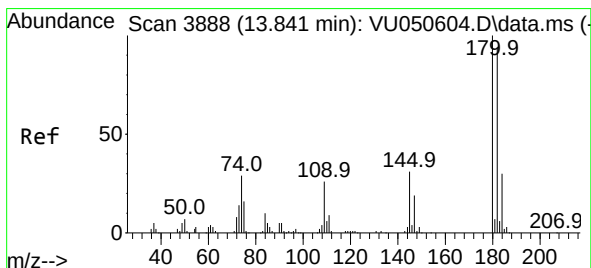
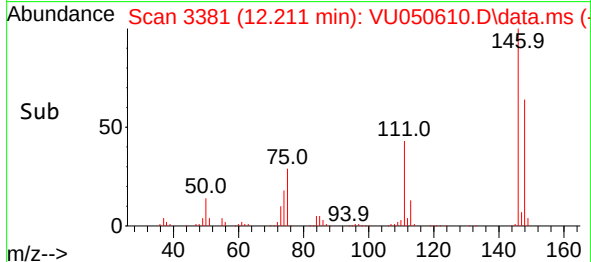
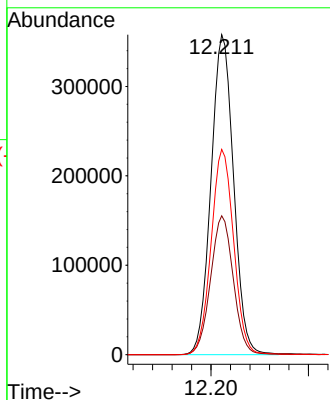
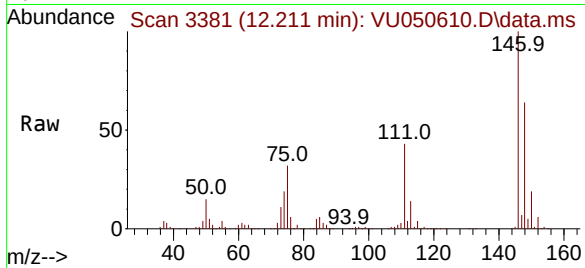
Tgt Ion:146 Resp: 575784

Ion Ratio Lower Upper

146 100

111 43.4 35.1 52.7

148 64.1 51.8 77.6



#70

1,2,4-trichlorobenzene

Concen: 23.445 ug/L

RT: 13.838 min Scan# 3887

Delta R.T. -0.003 min

Lab File: VU050610.D

Acq: 03 Sep 2022 14:26

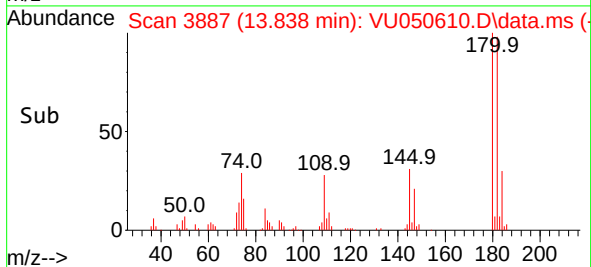
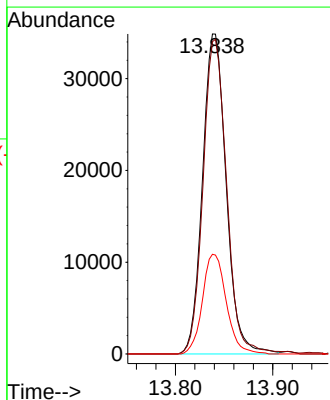
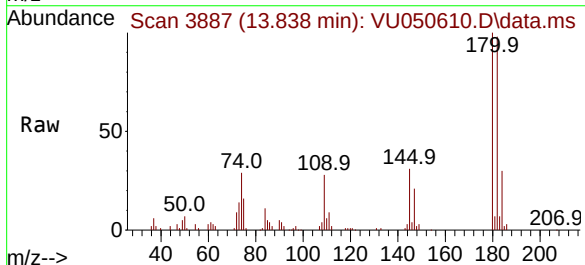
Tgt Ion:180 Resp: 58790

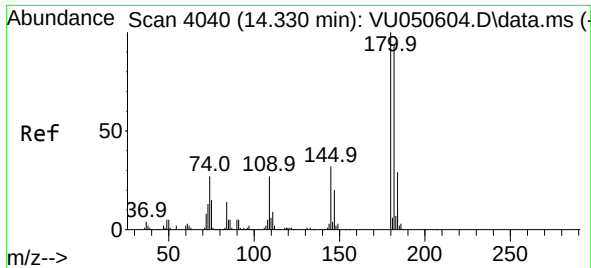
Ion Ratio Lower Upper

180 100

182 97.8 76.2 114.2

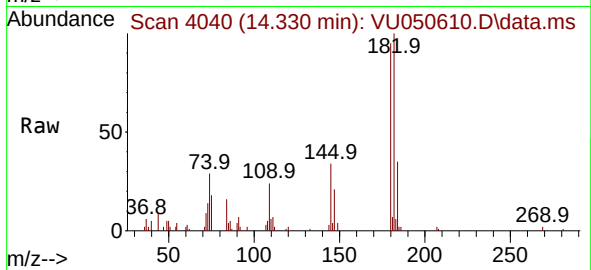
145 31.4 24.7 37.1





#72
 1,2,3-Trichlorobenzene
 Concen: 5.681 ug/L
 RT: 14.330 min Scan# 40
 Delta R.T. 0.000 min
 Lab File: VU050610.D
 Acq: 03 Sep 2022 14:26

Instrument :
 MSVOA_U
 ClientSampleId :
 C0KW5



Tgt Ion:	180	Resp:	15426
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.1	114.1
145	33.0	26.4	39.6

