

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
 Data File : VU052902.D
 Acq On : 01 Feb 2023 13:58
 Operator : JC/MD
 Sample : 01314-13DL 100X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44M0DL

Quant Time: Feb 01 20:04:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 20:03:09 2023
 Response via : Initial Calibration

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

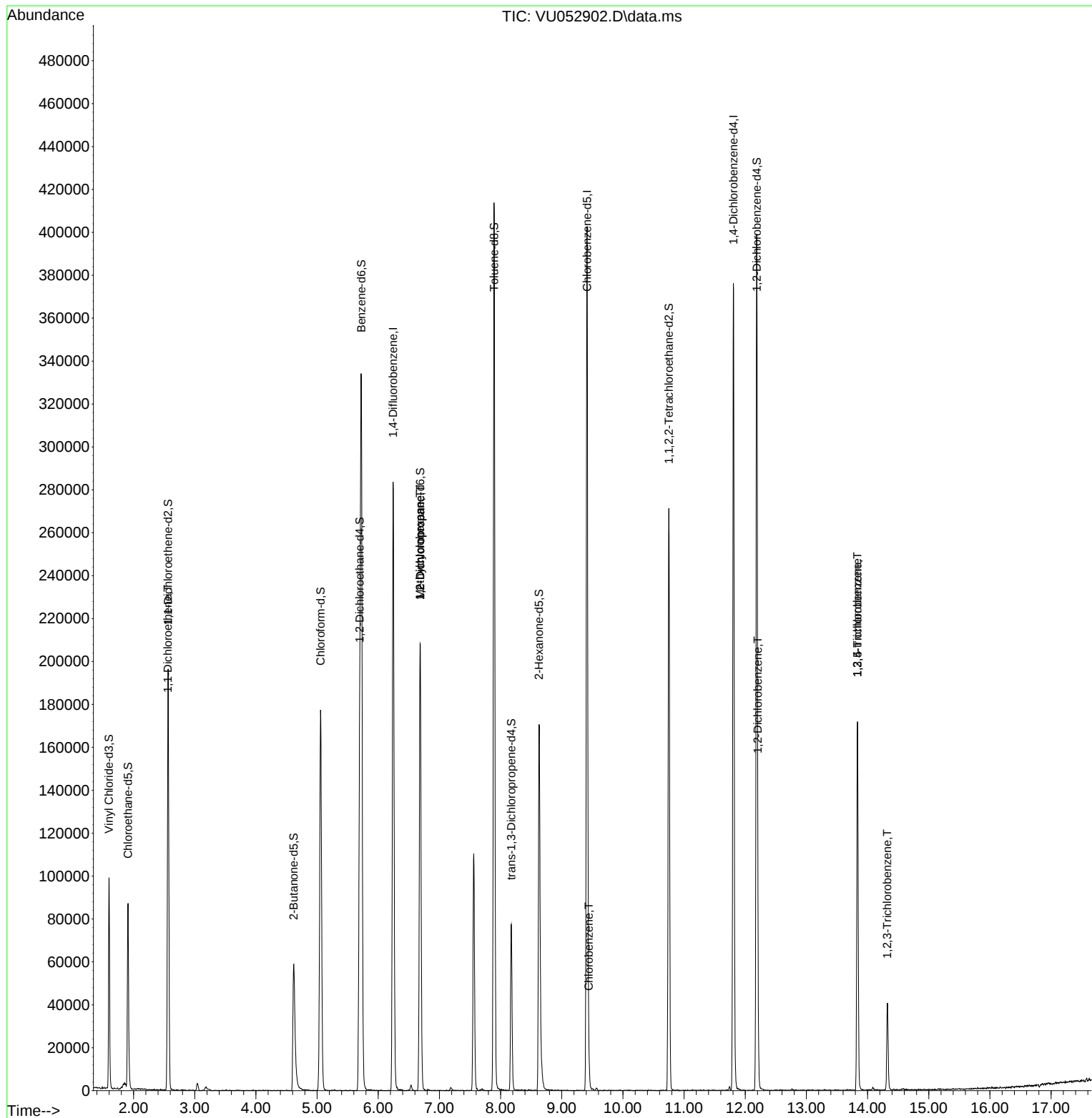
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	234121	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	229499	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	105238	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	74200	44.033	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.060%		
7) Chloroethane-d5	1.909	69	68889	49.615	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.220%		
11) 1,1-Dichloroethene-d2	2.565	63	114068	34.034	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.060%		
21) 2-Butanone-d5	4.616	46	82131	78.898	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	78.900%		
24) Chloroform-d	5.057	84	166663	46.343	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.680%		
26) 1,2-Dichloroethane-d4	5.697	65	109609	47.733	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.460%		
32) Benzene-d6	5.722	84	318008	45.355	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.700%		
36) 1,2-Dichloropropane-d6	6.687	67	95567	46.473	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.940%		
41) Toluene-d8	7.893	98	274011	42.917	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.840%		
43) trans-1,3-Dichloroprop...	8.176	79	44394	43.072	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.140%		
47) 2-Hexanone-d5	8.629	63	55126	76.293	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	76.290%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	128220	42.202	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.400%		
66) 1,2-Dichlorobenzene-d4	12.188	152	110188	53.923	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.840%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.559	96	976	0.564	ug/L #	1
35) Methylcyclohexane	6.684	83	25090	7.984	ug/L #	20
37) 1,2-Dichloropropane	6.687	63	10464	5.448	ug/L #	85
51) Chlorobenzene	9.443	112	6619	1.202	ug/L	94
67) 1,2-Dichlorobenzene	12.205	146	9734	2.806	ug/L	94
69) 1,3,5-Trichlorobenzene	13.835	180	56527	22.266	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	56527	26.558	ug/L	98
72) 1,2,3-Trichlorobenzene	14.323	180	13343	5.932	ug/L	94

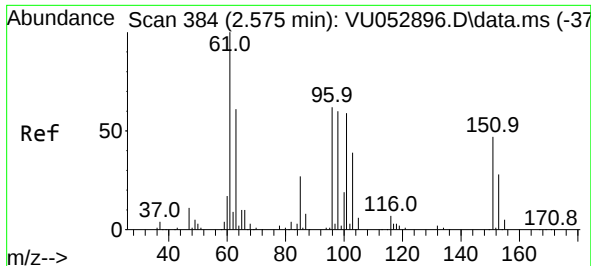
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 01 20:03:09 2023
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#12

1,1-Dichloroethene

Concen: 0.564 ug/L

RT: 2.559 min Scan# 31

Delta R.T. -0.016 min

Lab File: VU052902.D

Acq: 01 Feb 2023 13:58

Instrument :

MSVOA_U

ClientSampleId :

A44MODL

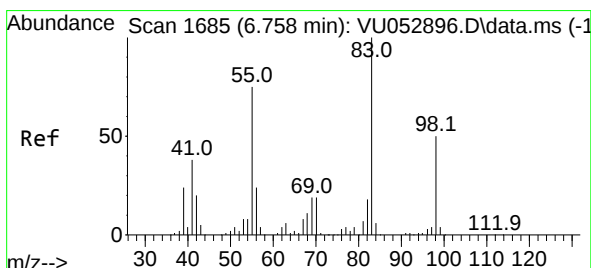
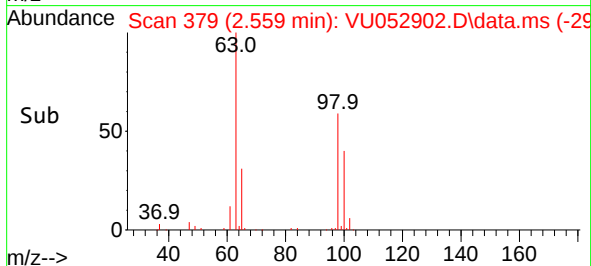
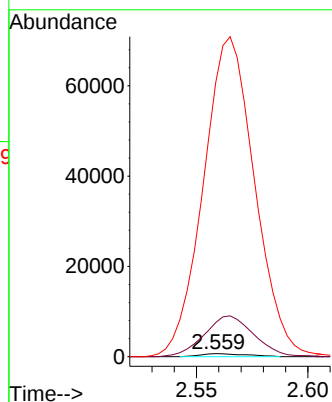
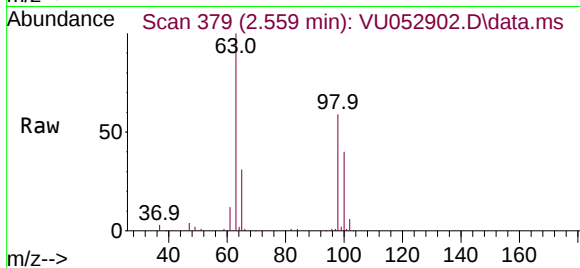
Tgt Ion: 96 Resp: 976

Ion Ratio Lower Upper

96 100

61 1093.1 114.3 212.3#

63 8786.1 80.6 149.6#



#35

Methylcyclohexane

Concen: 7.984 ug/L

RT: 6.684 min Scan# 1662

Delta R.T. -0.074 min

Lab File: VU052902.D

Acq: 01 Feb 2023 13:58

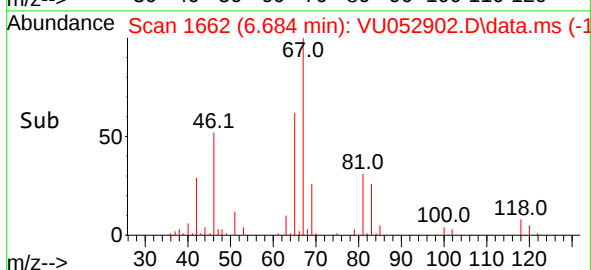
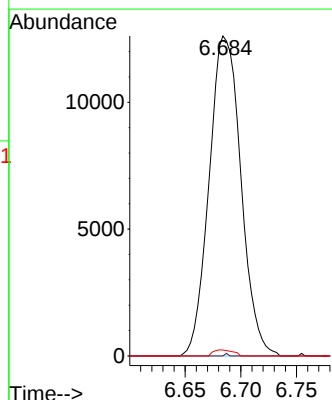
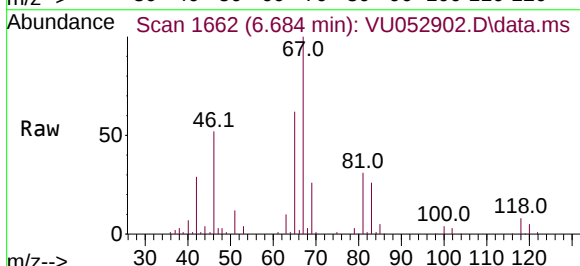
Tgt Ion: 83 Resp: 25090

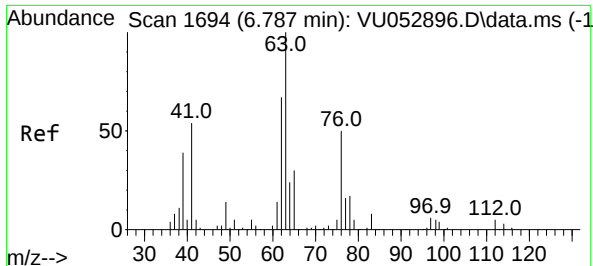
Ion Ratio Lower Upper

83 100

55 0.0 57.1 85.7#

98 1.2 38.9 58.3#





#37

1,2-Dichloropropane

Concen: 5.448 ug/L

RT: 6.687 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU052902.D

Acq: 01 Feb 2023 13:58

Instrument :

MSVOA_U

ClientSampleId :

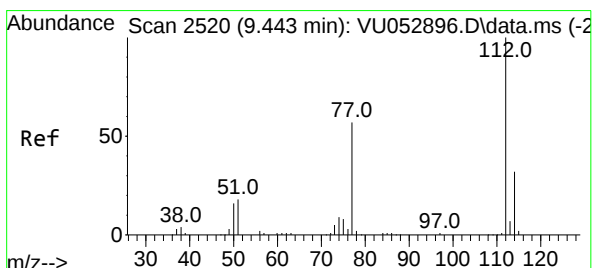
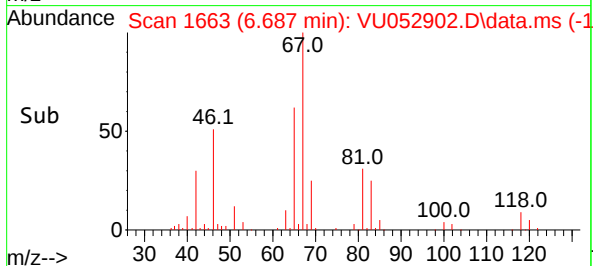
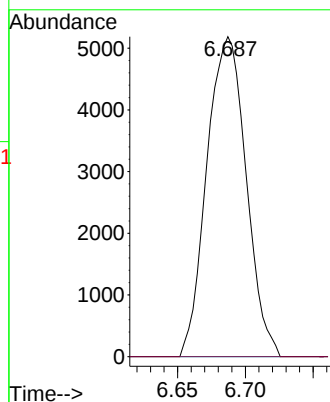
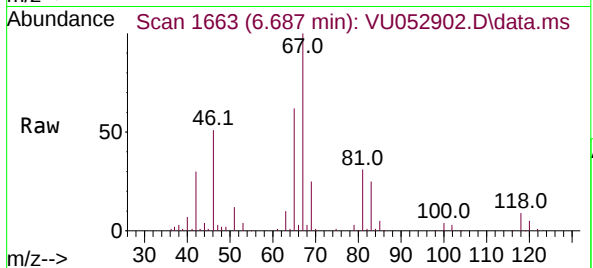
A44MODL

Tgt Ion: 63 Resp: 10464

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.8#



#51

Chlorobenzene

Concen: 1.202 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052902.D

Acq: 01 Feb 2023 13:58

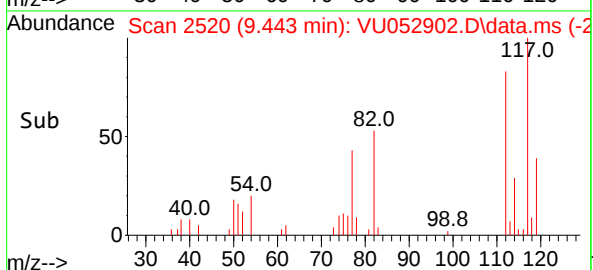
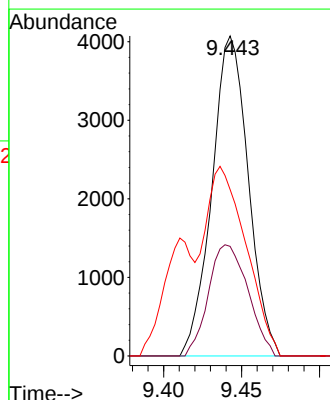
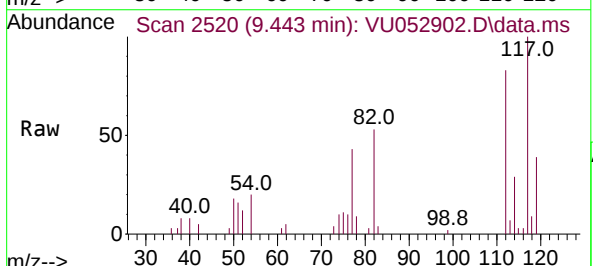
Tgt Ion: 112 Resp: 6619

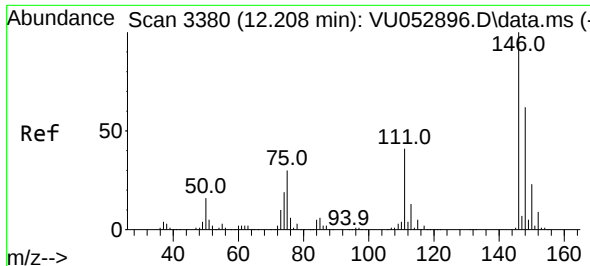
Ion Ratio Lower Upper

112 100

114 34.3 22.8 42.4

77 52.0 45.9 68.9





#67

1,2-Dichlorobenzene

Concen: 2.806 ug/L

RT: 12.205 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU052902.D

Acq: 01 Feb 2023 13:58

Instrument :

MSVOA_U

ClientSampleId :

A44MODL

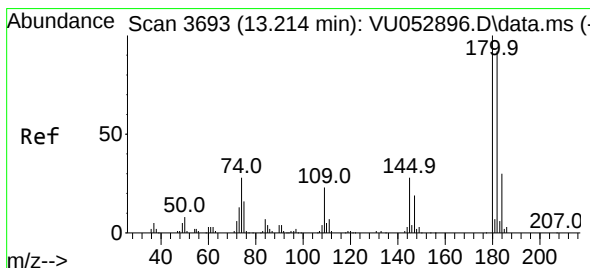
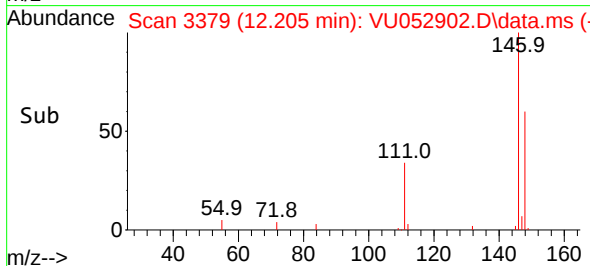
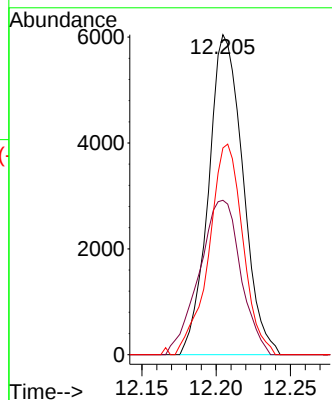
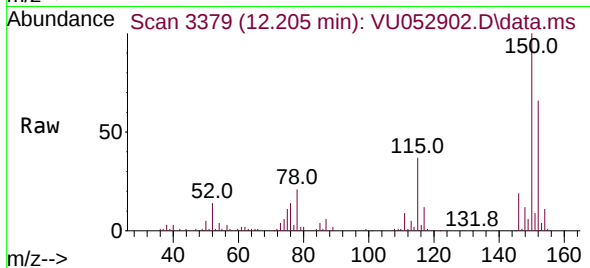
Tgt Ion:146 Resp: 9734

Ion Ratio Lower Upper

146 100

111 48.3 33.2 49.8

148 64.6 50.2 75.4



#69

1,3,5-Trichlorobenzene

Concen: 22.266 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.620 min

Lab File: VU052902.D

Acq: 01 Feb 2023 13:58

Tgt Ion:180 Resp: 56527

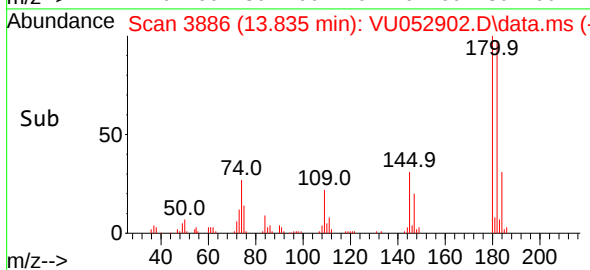
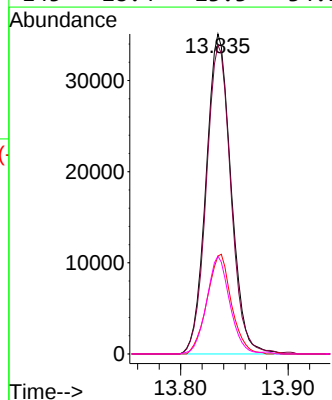
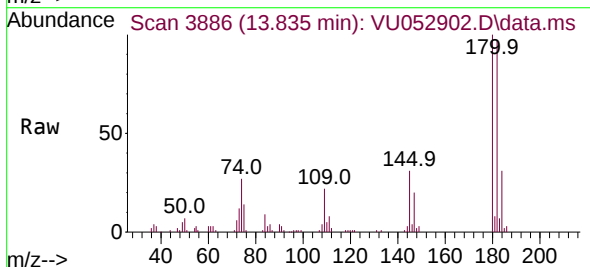
Ion Ratio Lower Upper

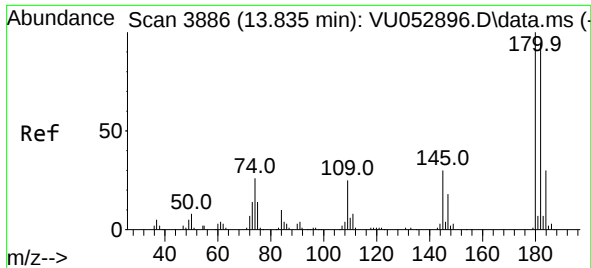
180 100

182 95.4 77.0 115.6

184 30.3 24.4 36.6

145 28.4 23.3 34.9

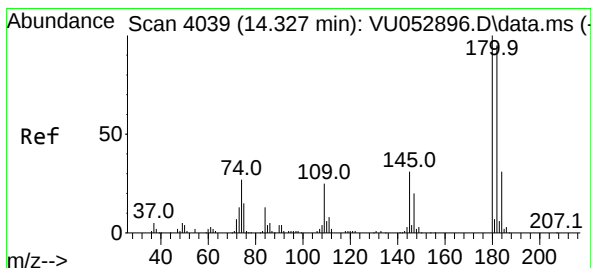
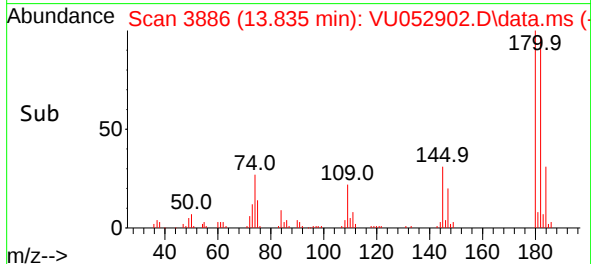
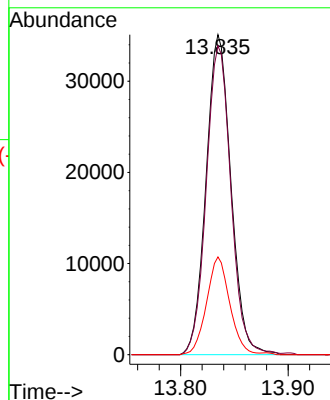
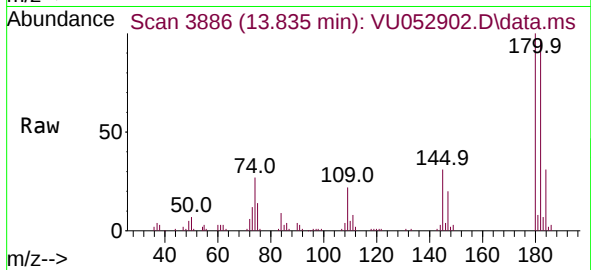




#70
1,2,4-trichlorobenzene
Concen: 26.558 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. -0.000 min
Lab File: VU052902.D
Acq: 01 Feb 2023 13:58

Instrument :
MSVOA_U
ClientSampleId :
A44MODL

Tgt Ion:180 Resp: 56527
Ion Ratio Lower Upper
180 100
182 95.4 78.2 117.2
145 28.4 23.4 35.2



#72
1,2,3-Trichlorobenzene
Concen: 5.932 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052902.D
Acq: 01 Feb 2023 13:58

Tgt Ion:180 Resp: 13343
Ion Ratio Lower Upper
180 100
182 104.0 77.5 116.3
145 32.2 24.2 36.4

