

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
 Data File : VU057846.D
 Acq On : 07 Feb 2024 17:35
 Operator : MD/SY
 Sample : P1081-04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B38

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 02/09/2024
 Supervised By :Semsettin Yesilyurt 02/09/2024

Quant Time: Feb 08 01:29:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:18:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	256118	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.444	117	237473	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.823	152	152535	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	95450	46.561	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	93.120%	
7) Chloroethane-d5	1.891	69	75764	47.640	ug/L	-0.02
Spiked Amount 50.000	Range 70	- 130	Recovery	=	95.280%	
11) 1,1-Dichloroethene-d2	2.557	63	128652	34.170	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	68.340%	
21) 2-Butanone-d5	4.615	46	65098	57.219	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	57.220%	
24) Chloroform-d	5.052	84	167107	45.953	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	91.900%	
26) 1,2-Dichloroethane-d4	5.692	65	112175	48.660	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	97.320%	
32) Benzene-d6	5.721	84	345398	48.145	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	96.300%	
36) 1,2-Dichloropropane-d6	6.682	67	107943	47.646	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	95.300%	
41) Toluene-d8	7.894	98	312825	48.098	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	96.200%	
43) trans-1,3-Dichloroprop...	8.174	79	51958	46.882	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	93.760%	
47) 2-Hexanone-d5	8.637	63	102194	110.510	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	110.510%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	169142	57.353	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	114.700%	
66) 1,2-Dichlorobenzene-d4	12.209	152	136425	46.554	ug/L	0.02
Spiked Amount 50.000	Range 80	- 120	Recovery	=	93.100%	
Target Compounds						
						Qvalue
13) Acetone	2.615	43	20591	14.088	ug/L	97
14) Carbon disulfide	2.785	76	7850	1.507	ug/L	96
20) cis-1,2-Dichloroethene	4.653	96	3389	1.709	ug/L	97
25) Chloroform	5.078	83	44490	12.597	ug/L	98
29) Cyclohexane	5.377	56	25764	8.338	ug/L	95
31) Carbon tetrachloride	5.521	117	2507	0.940	ug/L	97
33) Benzene	5.759	78	21563024m	2868.405	ug/L	
34) Trichloroethene	6.541	95	3099	1.533	ug/L	90
42) Toluene	7.965	91	52128	6.621	ug/L	97
46) Tetrachloroethene	8.554	164	3583	2.556	ug/L	93
51) Chlorobenzene	9.441	112	48796568m	9758.746	ug/L	
64) 1,3-Dichlorobenzene	11.750	146	5343220	1106.676	ug/L	97
65) 1,4-Dichlorobenzene	11.836	146	29152505m	5886.686	ug/L	
67) 1,2-Dichlorobenzene	12.213	146	29126156m	5984.143	ug/L	
70) 1,2,4-trichlorobenzene	13.836	180	1418490	488.315	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	334607	123.104	ug/L	99

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

Instrument :

MSVOA_U

ClientSampleId :

C0B38

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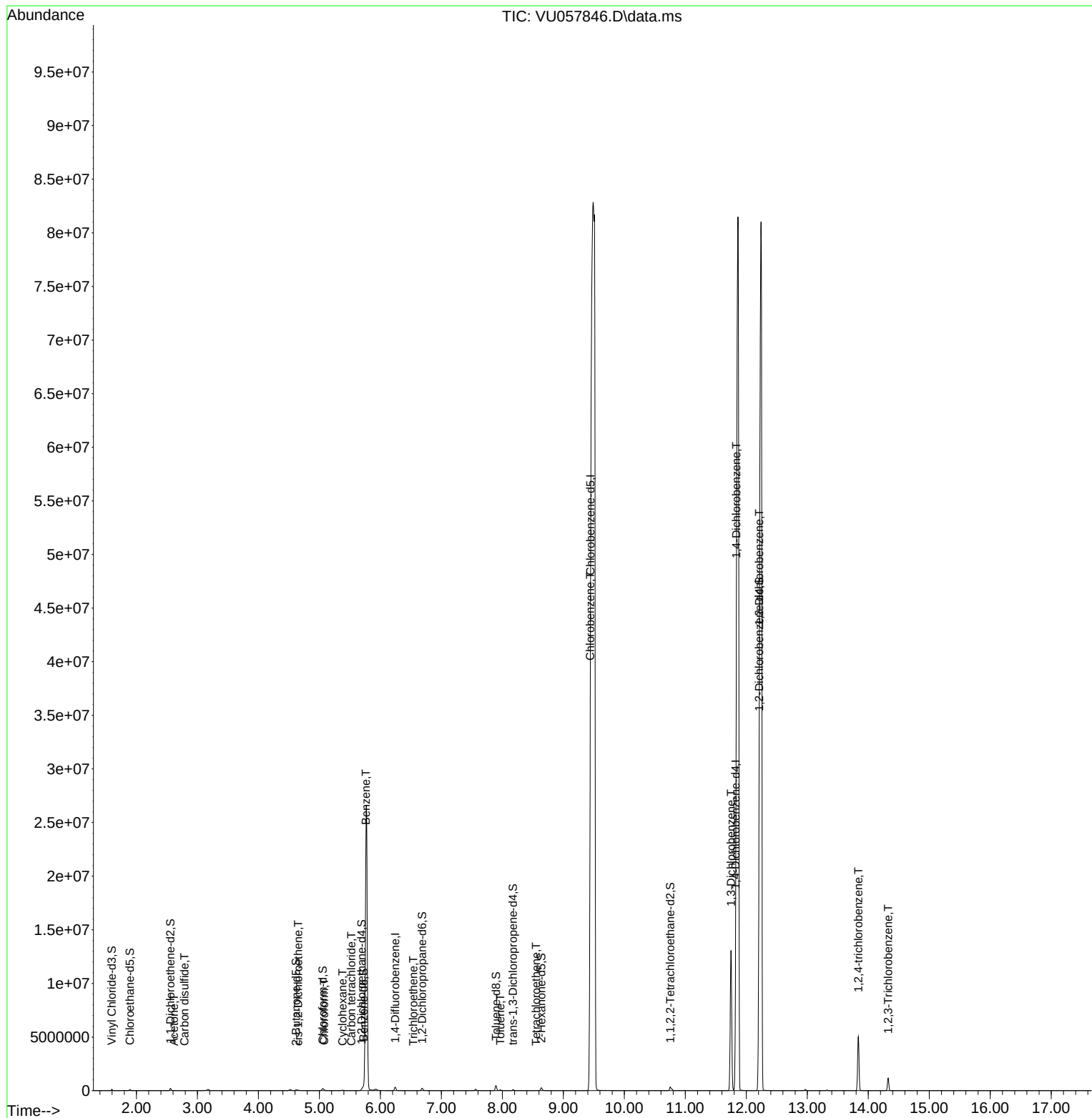
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
Data File : VU057846.D
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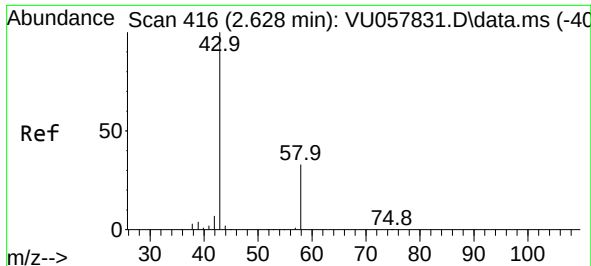
Instrument :
MSVOA_U
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C0B38

Quant Time: Feb 08 01:29:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
Quant Title : VOC Analysis
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#13

Acetone

Concen: 14.088 ug/L

RT: 2.615 min Scan# 41

Delta R.T. -0.013 min

Lab File: VU057846.D

Acq: 07 Feb 2024 17:35

Instrument :

MSVOA_U

ClientSampleId :

C0B38

Tgt Ion: 43 Resp: 2059

Ion Ratio Lower Upper

43 100

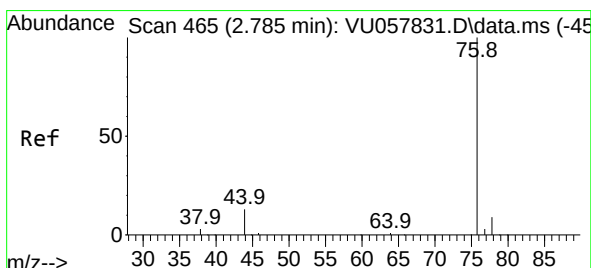
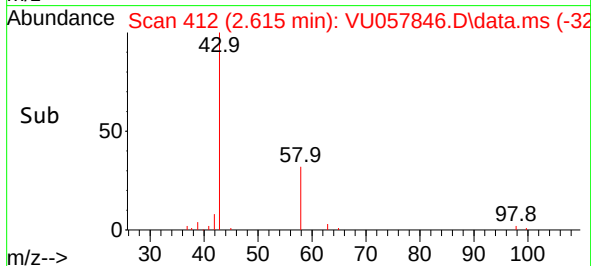
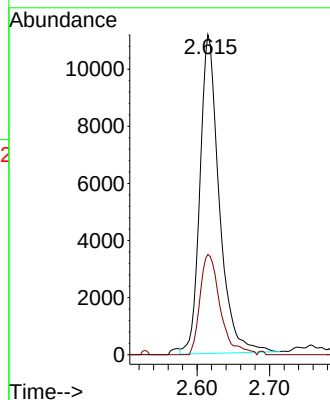
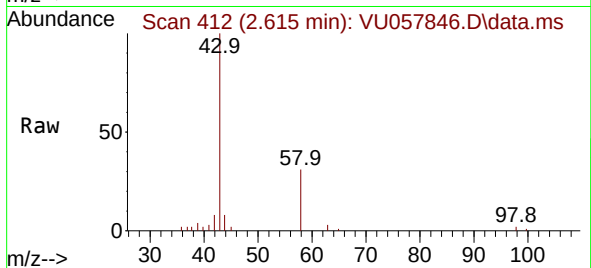
58 31.2 0.0 65.8

Manual Integrations

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#14

Carbon disulfide

Concen: 1.507 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.000 min

Lab File: VU057846.D

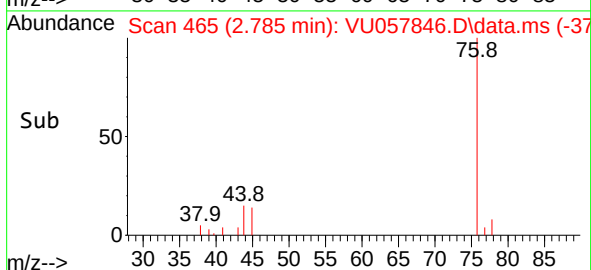
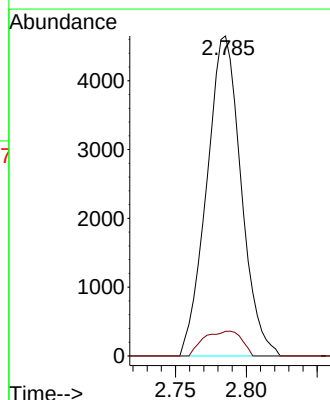
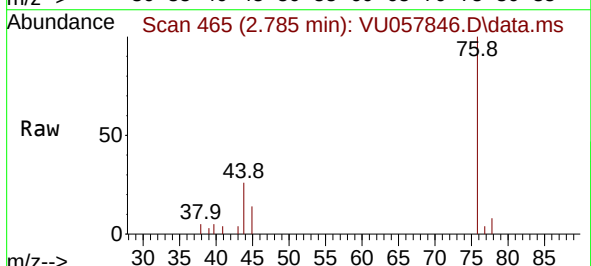
Acq: 07 Feb 2024 17:35

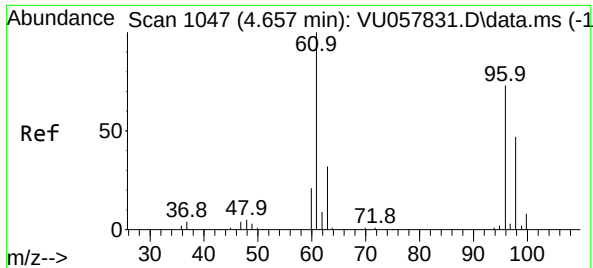
Tgt Ion: 76 Resp: 7850

Ion Ratio Lower Upper

76 100

78 7.7 7.2 10.8





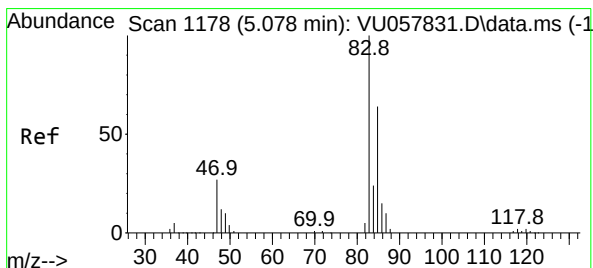
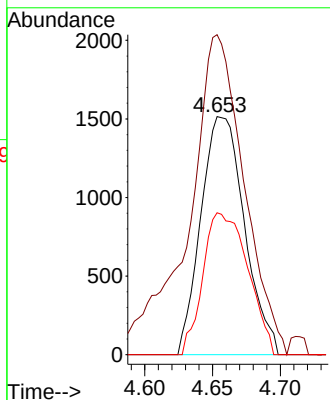
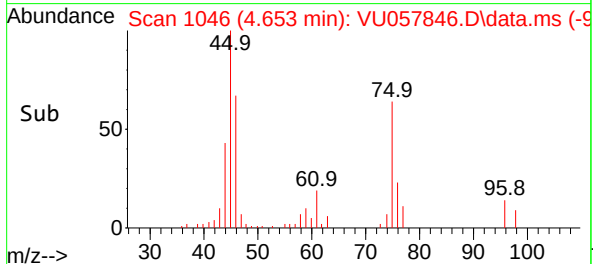
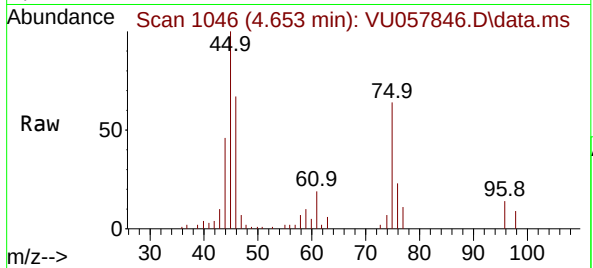
#20
cis-1,2-Dichloroethene
Concen: 1.709 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

Instrument :
MSVOA_U
ClientSampleId :
C0B38

Tgt Ion: 96 Resp: 3389
Ion Ratio Lower Upper
96 100
61 134.4 95.7 177.7
98 59.6 45.2 84.0

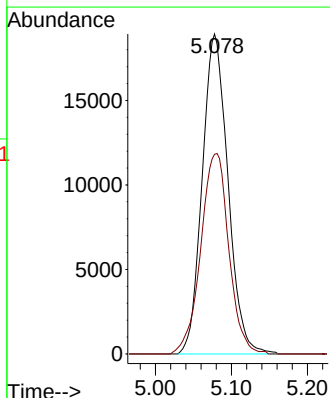
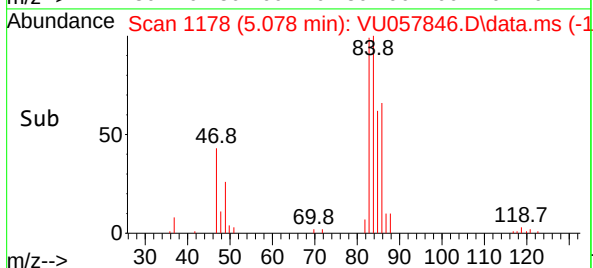
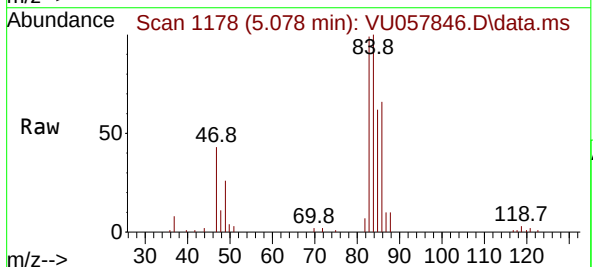
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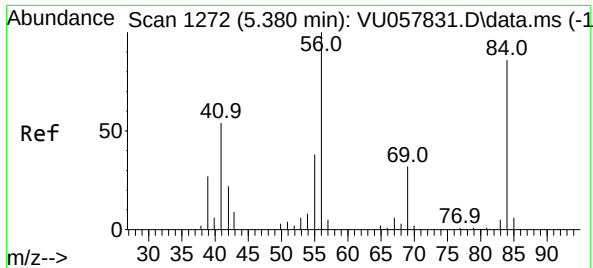
Reviewed By :Mahesh Dadoda 02/09/2024
Supervised By :Semsettin Yesilyurt 02/09/2024



#25
Chloroform
Concen: 12.597 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. -0.000 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

Tgt Ion: 83 Resp: 44490
Ion Ratio Lower Upper
83 100
85 62.4 45.0 83.6





#29

Cyclohexane

Concen: 8.338 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU057846.D

Acq: 07 Feb 2024 17:35

Instrument :

MSVOA_U

ClientSampleId :

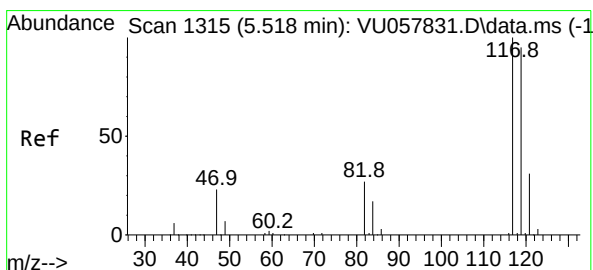
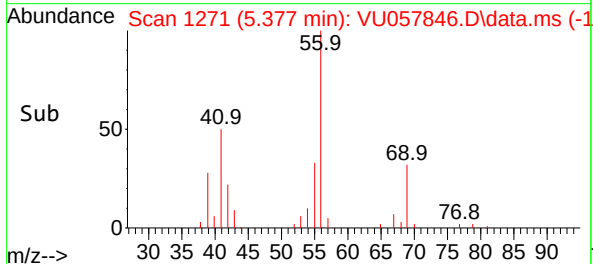
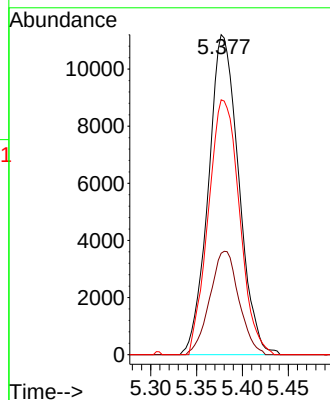
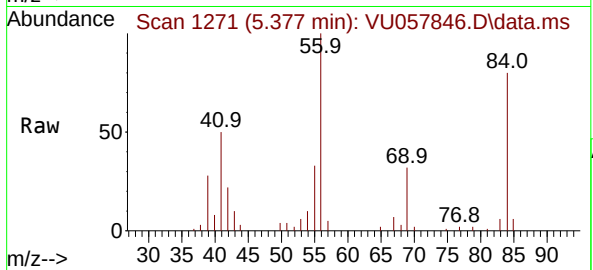
C0B38

Tgt Ion: 56	Resp: 2576
Ion Ratio	Lower Upper
56 100	
69 31.0	25.4 38.0
84 81.8	70.4 105.6

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#31

Carbon tetrachloride

Concen: 0.940 ug/L

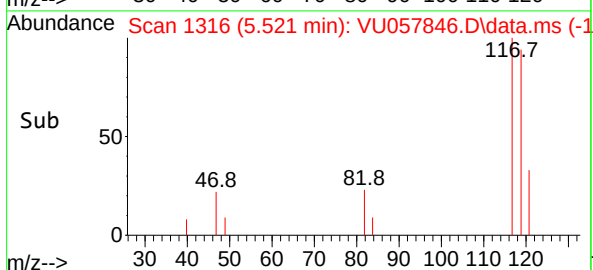
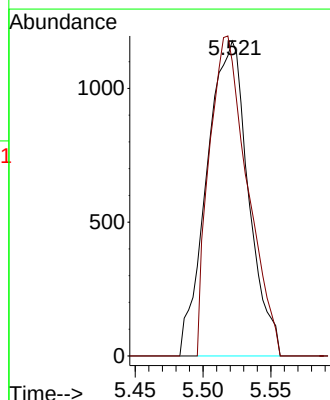
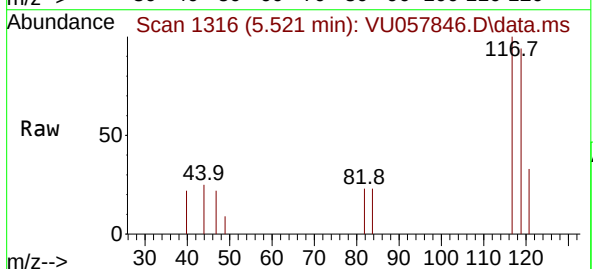
RT: 5.521 min Scan# 1316

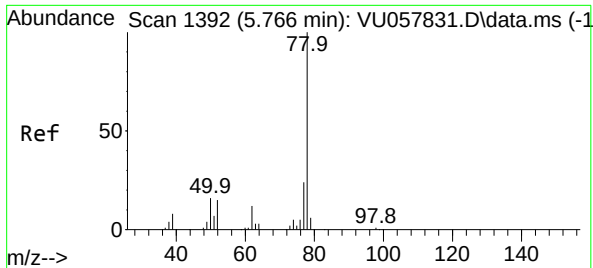
Delta R.T. 0.003 min

Lab File: VU057846.D

Acq: 07 Feb 2024 17:35

Tgt Ion:117	Resp: 2507
Ion Ratio	Lower Upper
117 100	
119 93.0	76.7 115.1





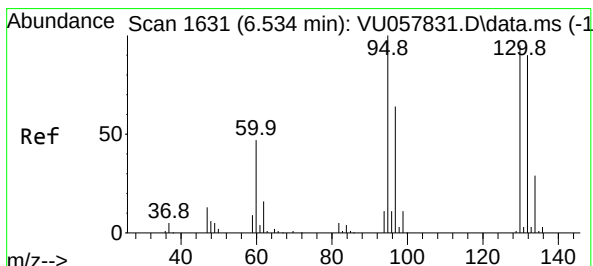
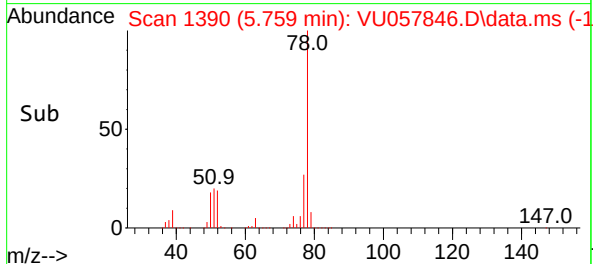
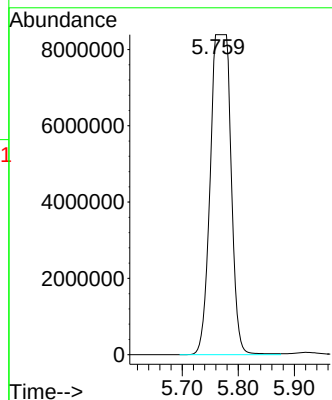
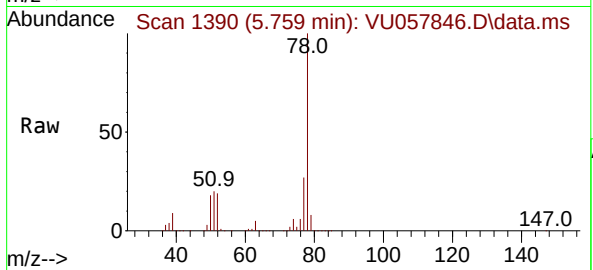
#33
Benzene
Concen: 2868.405 ug/L m
RT: 5.759 min Scan# 1390
Delta R.T. -0.006 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

Instrument :
MSVOA_U
ClientSampleId :
C0B38

Tgt Ion: 78 Resp:21563024

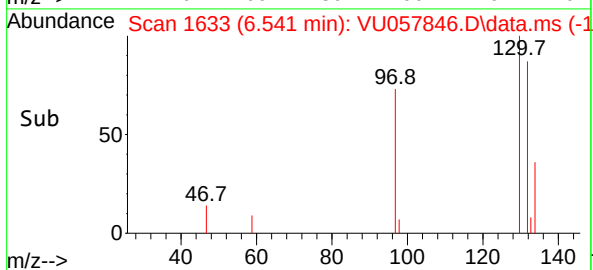
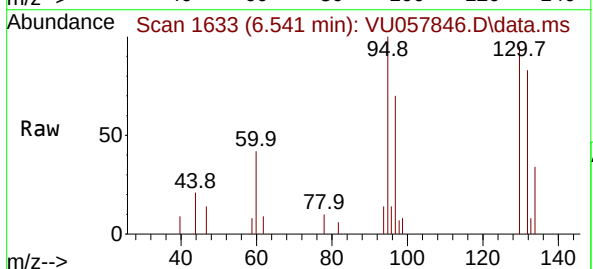
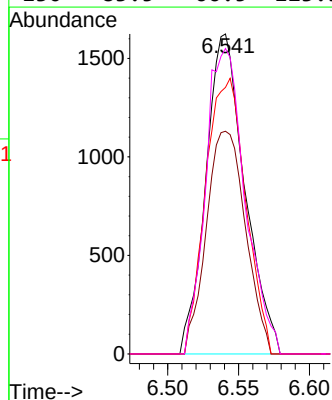
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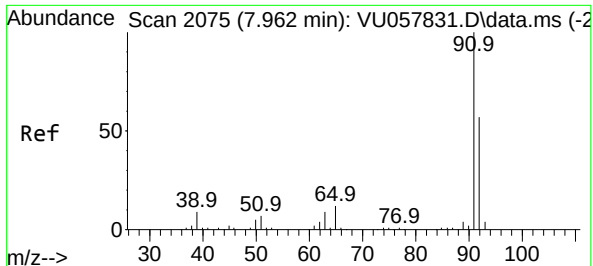
Reviewed By :Mahesh Dadoda 02/09/2024
Supervised By :Semsettin Yesilyurt 02/09/2024



#34
Trichloroethene
Concen: 1.533 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

Tgt Ion: 95 Resp: 3099
Ion Ratio Lower Upper
95 100
97 60.9 44.9 83.5
132 79.9 63.1 117.1
130 83.5 66.5 123.5





#42

Toluene

Concen: 6.621 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057846.D

Acq: 07 Feb 2024 17:35

Instrument :

MSVOA_U

ClientSampleId :

C0B38

Tgt Ion: 91 Resp: 52128

Ion Ratio Lower Upper

91 100

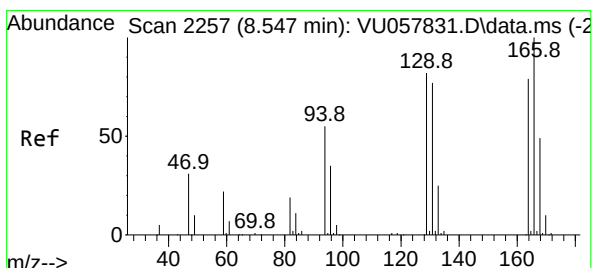
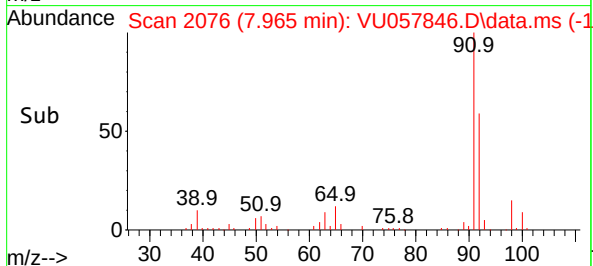
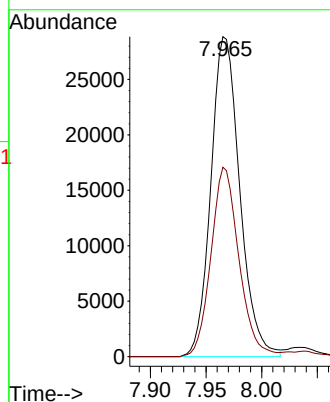
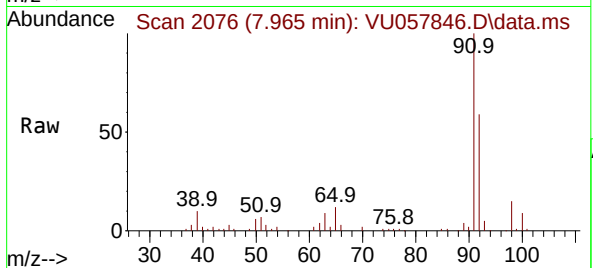
92 59.2 39.8 73.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 02/09/2024

Supervised By :Semsettin Yesilyurt 02/09/2024



#46

Tetrachloroethene

Concen: 2.556 ug/L

RT: 8.554 min Scan# 2259

Delta R.T. 0.006 min

Lab File: VU057846.D

Acq: 07 Feb 2024 17:35

Tgt Ion:164 Resp: 3583

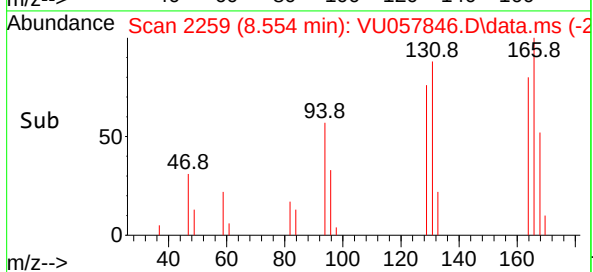
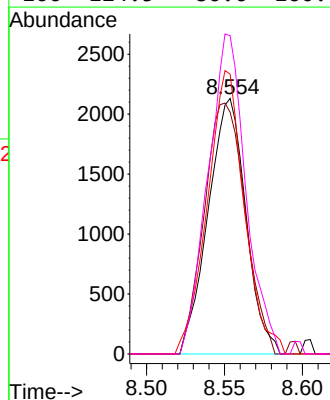
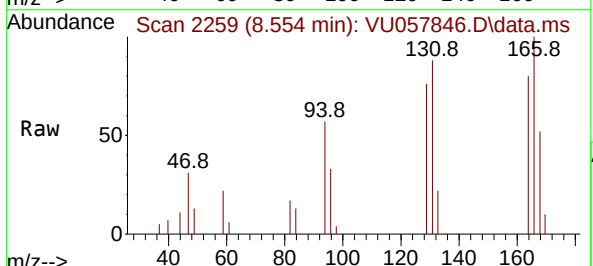
Ion Ratio Lower Upper

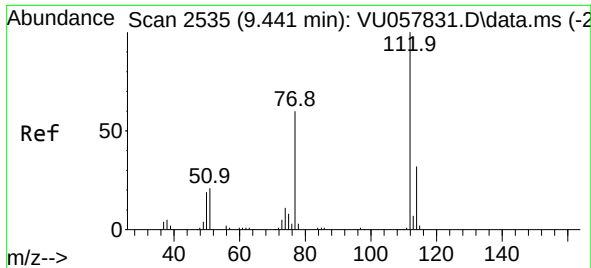
164 100

129 94.6 70.8 131.4

131 109.5 66.8 124.0

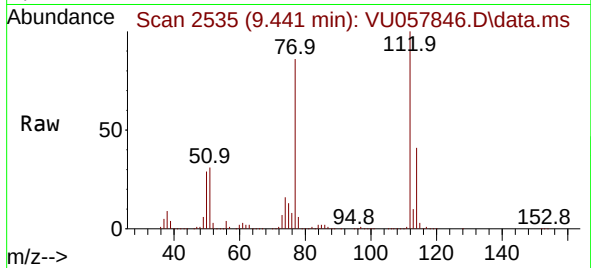
166 124.5 86.6 160.8





#51
Chlorobenzene
Concen: 9758.746 ug/L m
RT: 9.441 min Scan# 2535
Delta R.T. -0.000 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

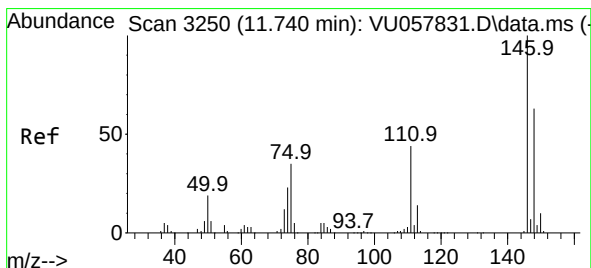
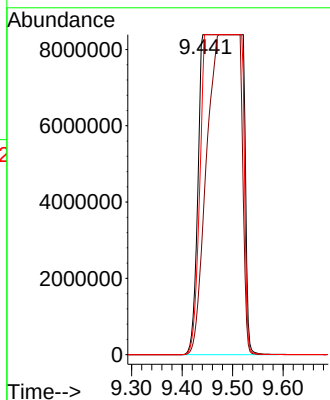
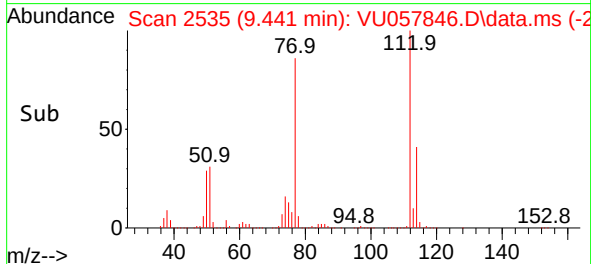
Instrument :
MSVOA_U
ClientSampleId :
C0B38



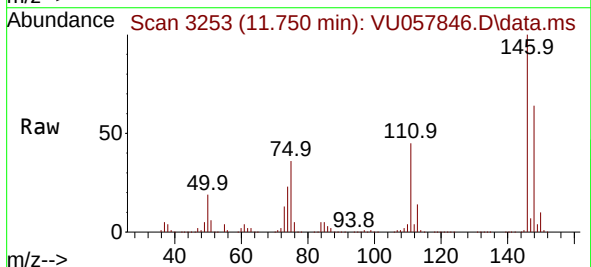
Tgt Ion:112 Resp:4879656
Ion Ratio Lower Upper
112 100
114 40.9 22.0 41.0
77 86.4 48.2 72.4

Manual Integrations
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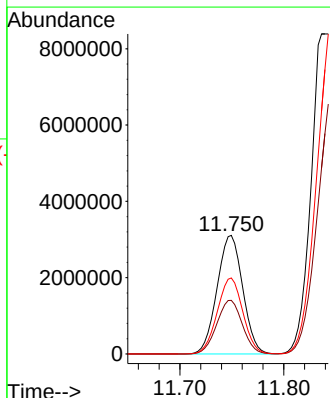
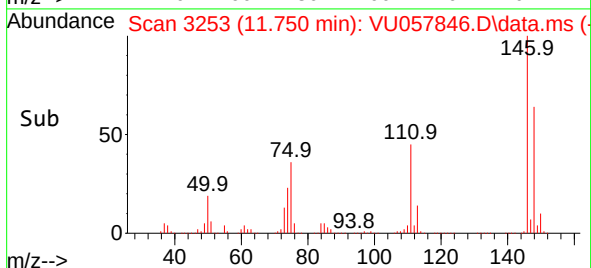
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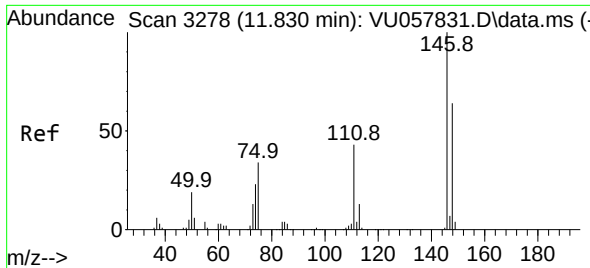


#64
1,3-Dichlorobenzene
Concen: 1106.676 ug/L
RT: 11.750 min Scan# 3253
Delta R.T. 0.010 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35



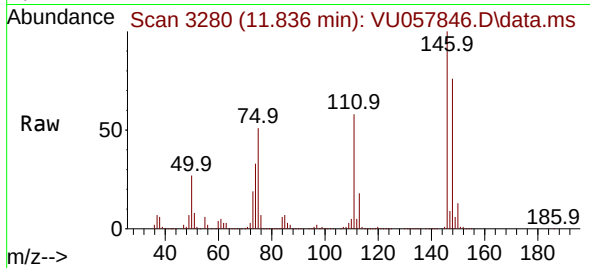
Tgt Ion:146 Resp: 5343220
Ion Ratio Lower Upper
146 100
111 45.2 31.1 57.7
148 64.1 46.8 86.8





#65
1,4-Dichlorobenzene
Concen: 5886.686 ug/L m
RT: 11.836 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35

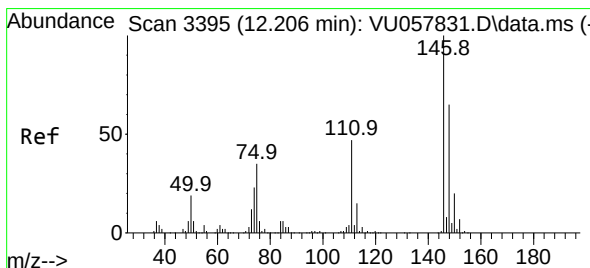
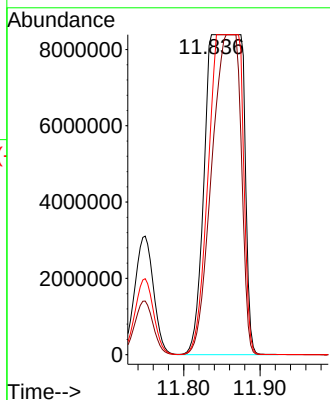
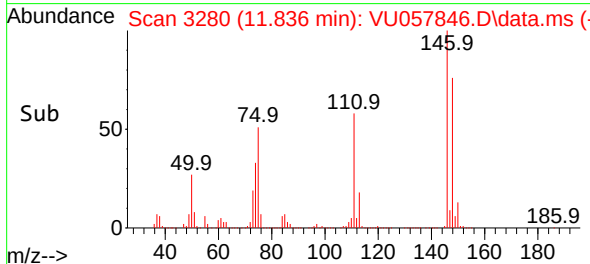
Instrument :
MSVOA_U
ClientSampleId :
C0B38



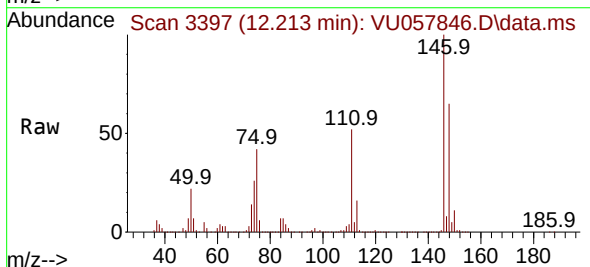
Tgt Ion:146 Resp:2915250
Ion Ratio Lower Upper
146 100
111 58.2 30.5 56.7
148 76.0 45.3 84.1

Manual Integrations
APPROVED

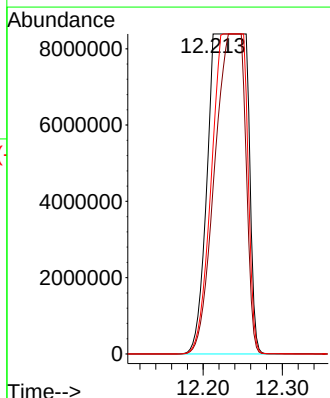
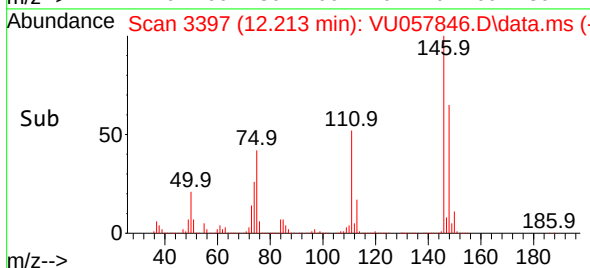
Reviewed By :Mahesh Dadoda 02/09/2024
Supervised By :Semsettin Yesilyurt 02/09/2024

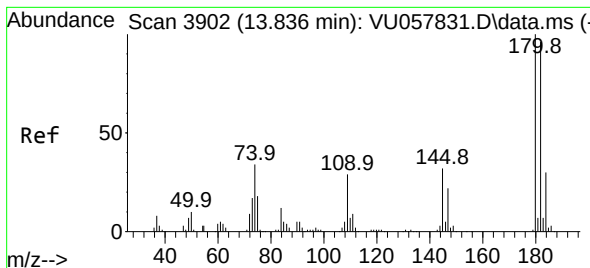


#67
1,2-Dichlorobenzene
Concen: 5984.143 ug/L m
RT: 12.213 min Scan# 3397
Delta R.T. 0.006 min
Lab File: VU057846.D
Acq: 07 Feb 2024 17:35



Tgt Ion:146 Resp:29126156
Ion Ratio Lower Upper
146 100
111 52.1 37.8 56.8
148 64.9 51.7 77.5





#70

1,2,4-trichlorobenzene

Concen: 488.315 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU057846.D

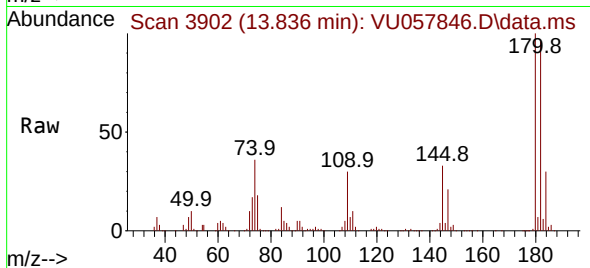
Acq: 07 Feb 2024 17:35

Instrument :

MSVOA_U

ClientSampleId :

C0B38



Tgt Ion:180 Resp: 1418490

Ion Ratio Lower Upper

180 100

182 95.6 76.0 114.0

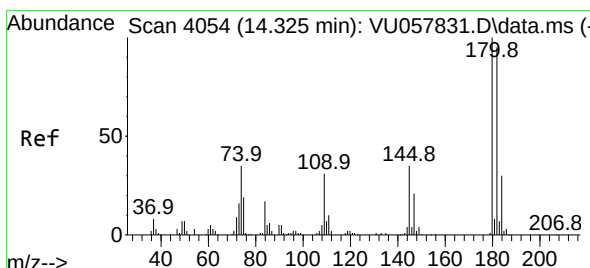
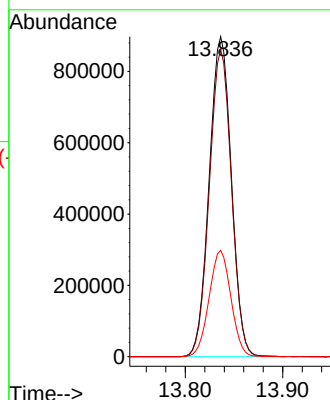
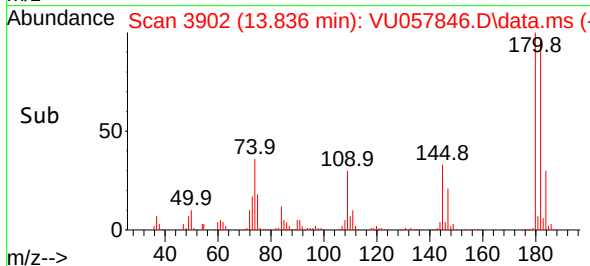
145 32.7 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/09/2024

Supervised By :Semsettin Yesilyurt 02/09/2024



#72

1,2,3-Trichlorobenzene

Concen: 123.104 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU057846.D

Acq: 07 Feb 2024 17:35

Tgt Ion:180 Resp: 334607

Ion Ratio Lower Upper

180 100

182 94.6 76.6 114.8

145 34.9 27.7 41.5

