

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056821.D
 Acq On : 13 Dec 2023 06:38
 Operator : MD/SY
 Sample : 05684-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E06J1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023

Quant Time: Dec 13 07:04:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Dec 13 01:32:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	271835	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.441	117	244101	5.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.872	152	143805m	5.000	ug/L	0.06
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	85555	3.672	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	73.400%		
7) Chloroethane-d5	1.907	69	75618	4.337	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	86.800%		
11) 1,1-Dichloroethene-d2	2.563	65	39269	3.939	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	78.800%		
20) 2-Butanone-d5	4.615	46	223506	48.572	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	97.140%		
24) Chloroform-d	5.055	84	196550	4.455	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	89.000%		
26) 1,2-Dichloroethane-d4	5.695	65	97962	4.692	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	93.800%		
32) Benzene-d6	5.721	84	371214	4.903	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	98.000%		
36) 1,2-Dichloropropane-d6	6.685	67	117442	4.956	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	99.200%		
41) Toluene-d8	7.894	98	325279	4.807	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	96.200%		
43) trans-1,3-Dichloroprop...	8.177	79	44889	4.884	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	97.600%		
46) 2-Hexanone-d5	8.637	63	223825	64.574	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	129.140%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	103310	6.025	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	120.600%#		
66) 1,2-Dichlorobenzene-d4	12.257	152	93690	3.314	ug/L	0.07
Spiked Amount 5.000	Range 80 - 120		Recovery =	66.200%#		
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	55840	2.008	ug/L	89
13) Acetone	2.621	43	146092	52.096	ug/L	98
14) Carbon disulfide	2.788	76	13198	0.172	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	212586	9.500	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	571524	23.478	ug/L	99
25) Chloroform	5.078	83	42227	0.936	ug/L	99
31) Carbon tetrachloride	5.518	117	8991	0.293	ug/L	95
33) Benzene	5.766	78	6118437	71.321	ug/L	100
34) Trichloroethene	6.534	95	181215	7.701	ug/L	98
42) Toluene	7.965	91	275451	3.103	ug/L	99
47) Tetrachloroethene	8.550	164	1553465	94.326	ug/L	98
51) Chlorobenzene	9.434	112	51550190m	911.196	ug/L	
52) Ethylbenzene	9.579	91	23741	0.242	ug/L	96
53) m,p-Xylene	9.695	106	24520	0.672	ug/L	97
54) o-Xylene	10.103	106	21074	0.606	ug/L	98
64) 1,3-Dichlorobenzene	11.740	146	49449474m	920.060	ug/L	
65) 1,4-Dichlorobenzene	11.839	146	47719444m	901.701	ug/L	
67) 1,2-Dichlorobenzene	12.212	146	55143268m	1126.264	ug/L	
70) 1,2,4-trichlorobenzene	13.836	180	1050936	32.679	ug/L	98

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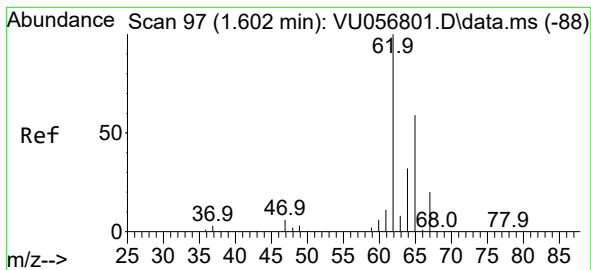
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Dec 13 01:32:29 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.325	180	144459	5.291	ug/L	98

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



#5

Vinyl chloride

Concen: 2.008 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU056821.D

Acq: 13 Dec 2023 06:38

Instrument :

MSVOA_U

ClientSampleId :

E06J1

Tgt Ion: 62 Resp: 55840

Ion Ratio Lower Upper

62 100

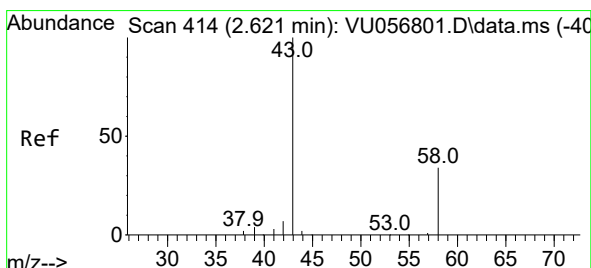
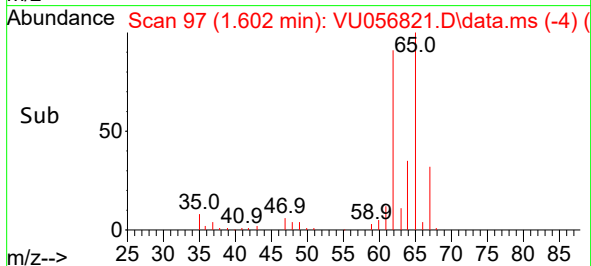
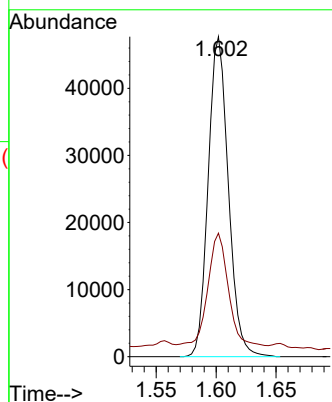
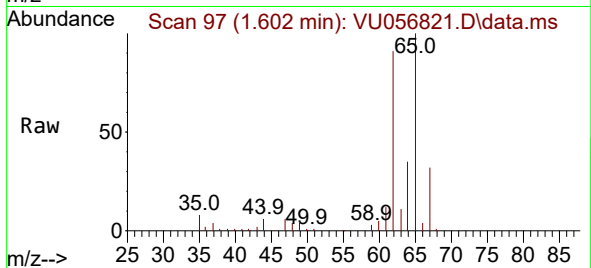
64 38.6 22.8 42.4

Manual Integrations

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#13

Acetone

Concen: 52.096 ug/L

RT: 2.621 min Scan# 414

Delta R.T. 0.000 min

Lab File: VU056821.D

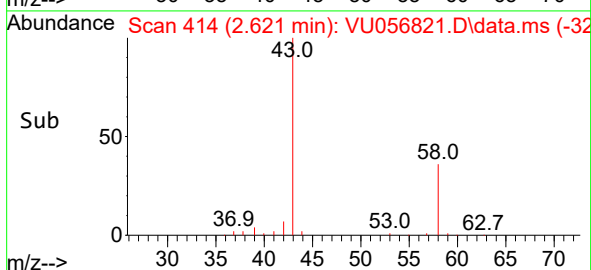
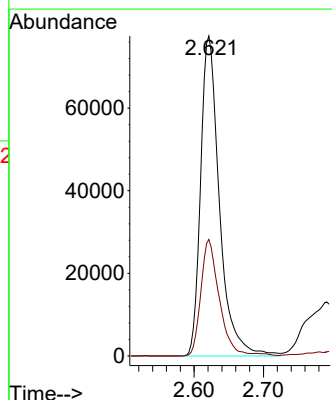
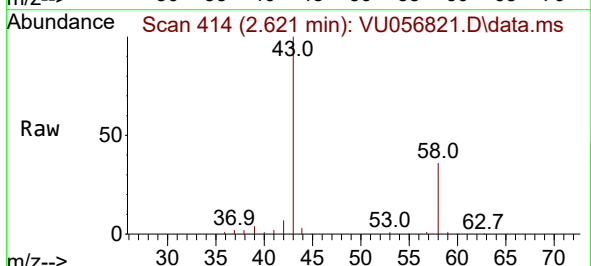
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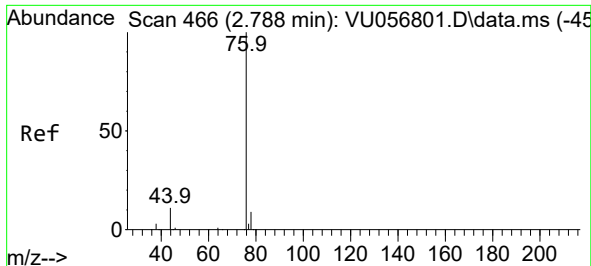
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Ion Ratio Lower Upper

43 100

58 35.4 0.0 72.6





#14

Carbon disulfide

Concen: 0.172 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU056821.D

Acq: 13 Dec 2023 06:38

Instrument :

MSVOA_U

ClientSampleId :

E06J1

Tgt Ion: 76 Resp: 13198

Ion Ratio Lower Upper

76 100

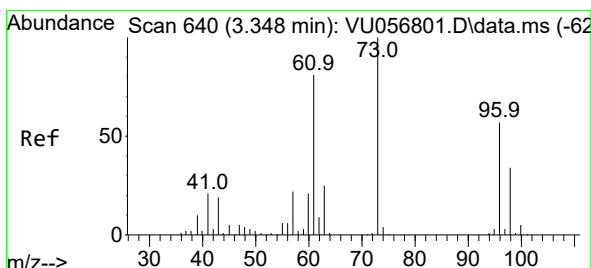
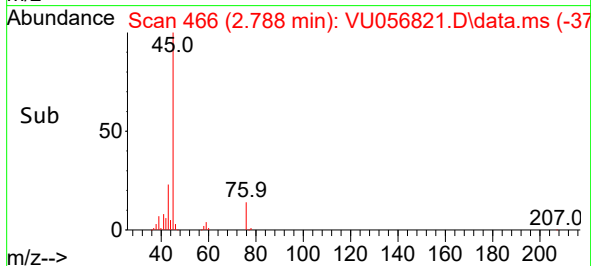
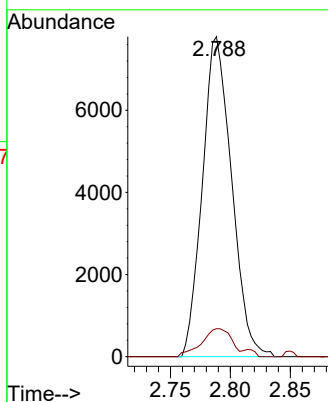
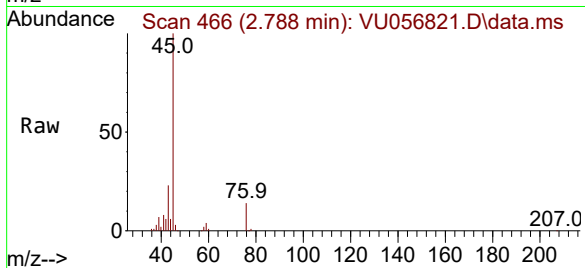
78 8.8 7.3 10.9

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#18

trans-1,2-Dichloroethene

Concen: 9.500 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU056821.D

Acq: 13 Dec 2023 06:38

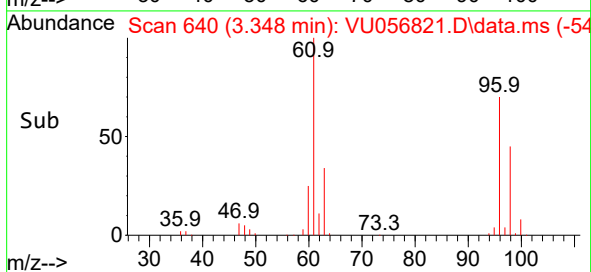
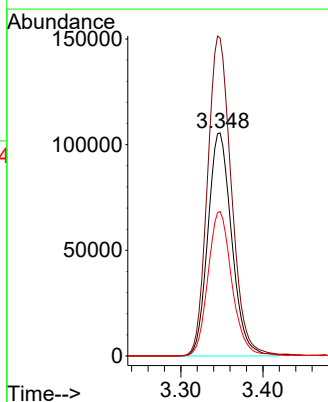
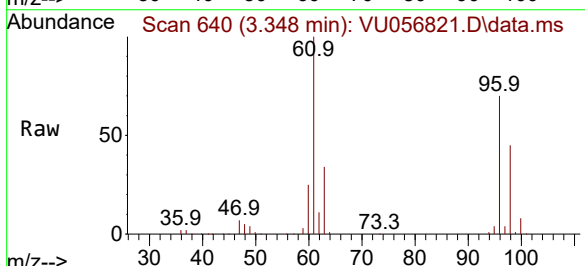
Tgt Ion: 96 Resp: 212586

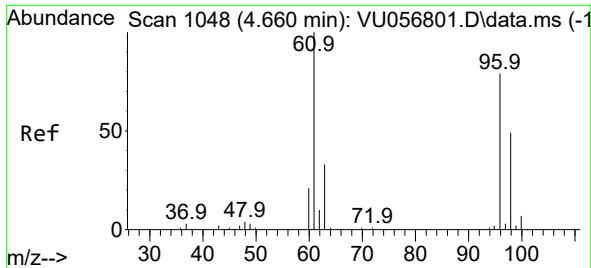
Ion Ratio Lower Upper

96 100

61 142.6 101.8 189.0

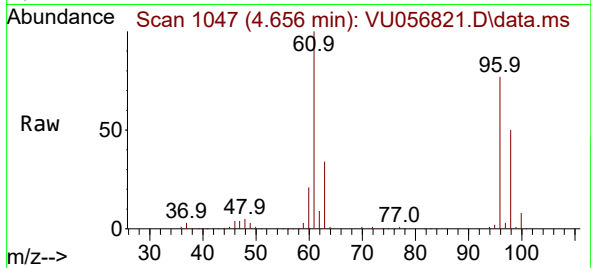
98 64.8 43.0 79.8





#22
 cis-1,2-Dichloroethene
 Concen: 23.478 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.003 min
 Lab File: VU056821.D
 Acq: 13 Dec 2023 06:38

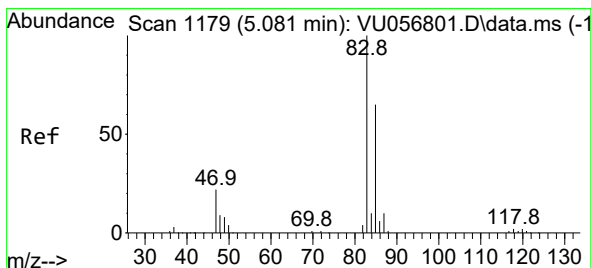
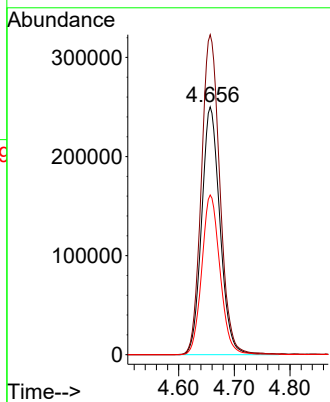
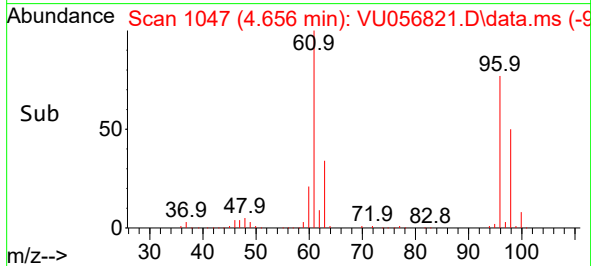
Instrument :
 MSVOA_U
 ClientSampleId :
 E06J1



Tgt Ion: 96 Resp: 571524
 Ion Ratio Lower Upper
 96 100
 61 129.1 91.3 169.6
 98 64.4 44.2 82.0

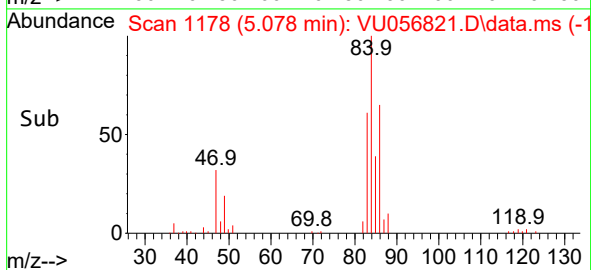
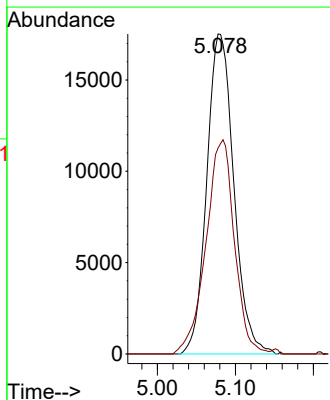
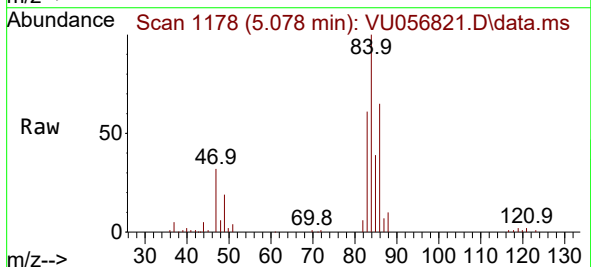
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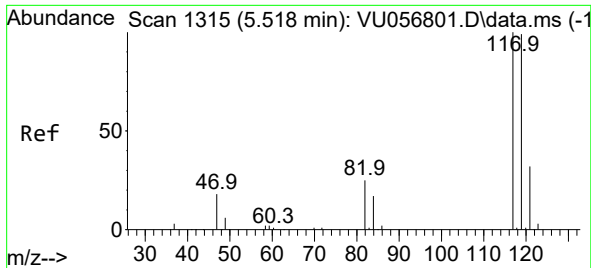
Reviewed By :Semsettin Yesilyurt 12/16/2023
 Supervised By :Mahesh Dadoda 12/18/2023



#25
 Chloroform
 Concen: 0.936 ug/L
 RT: 5.078 min Scan# 1178
 Delta R.T. -0.003 min
 Lab File: VU056821.D
 Acq: 13 Dec 2023 06:38

Tgt Ion: 83 Resp: 42227
 Ion Ratio Lower Upper
 83 100
 85 64.4 45.8 85.0





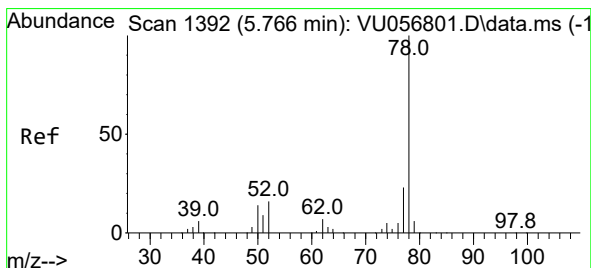
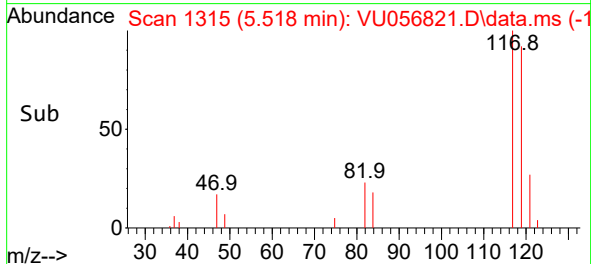
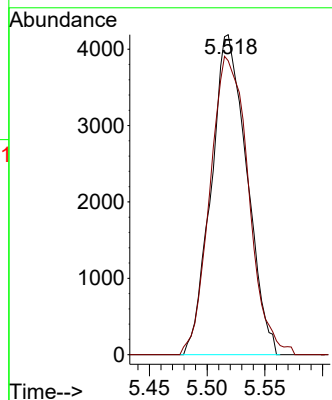
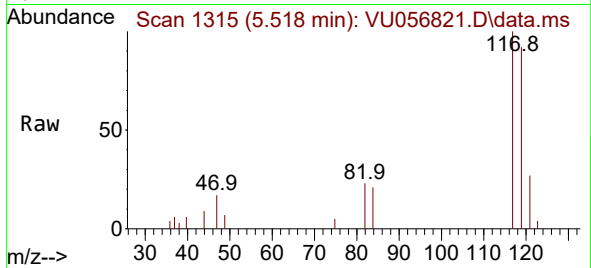
#31
Carbon tetrachloride
Concen: 0.293 ug/L
RT: 5.518 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU056821.D
Acq: 13 Dec 2023 06:38

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:117 Resp: 899
Ion Ratio Lower Upper
117 100
119 100.3 76.2 114.4

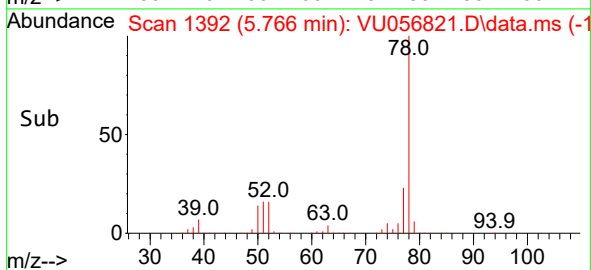
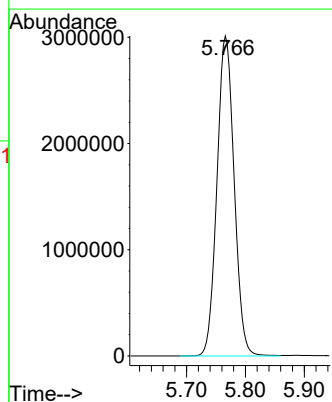
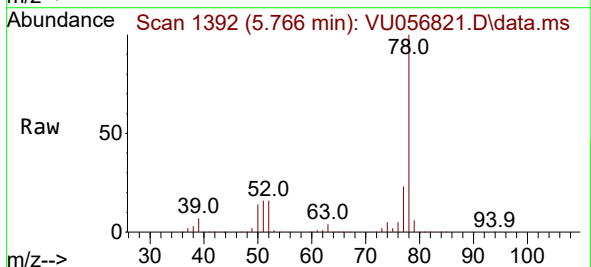
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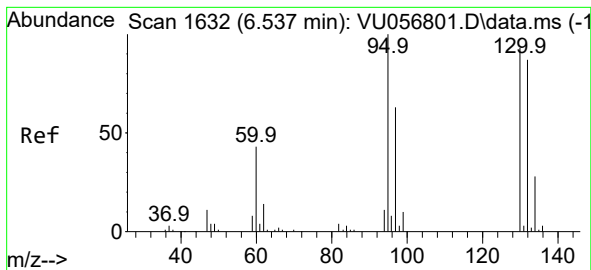
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#33
Benzene
Concen: 71.321 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU056821.D
Acq: 13 Dec 2023 06:38

Tgt Ion: 78 Resp: 6118437





#34

Trichloroethene

Concen: 7.701 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU056821.D

Acq: 13 Dec 2023 06:38

Instrument :

MSVOA_U

ClientSampleId :

E06J1

Tgt Ion: 95 Resp: 18121

Ion Ratio Lower Upper

95 100

97 65.1 46.1 85.5

132 88.7 63.6 118.0

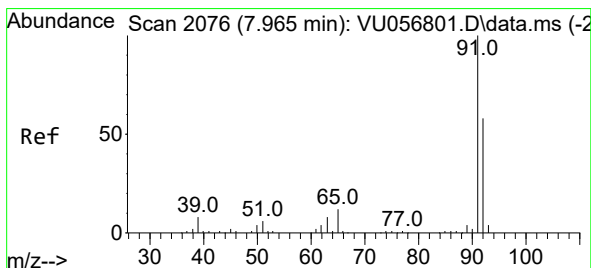
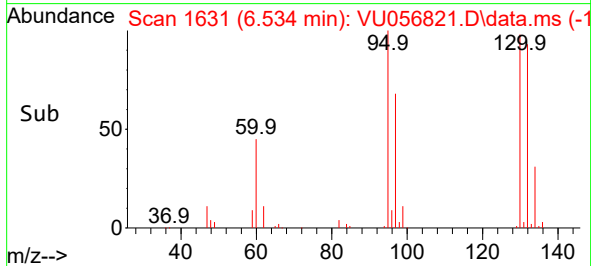
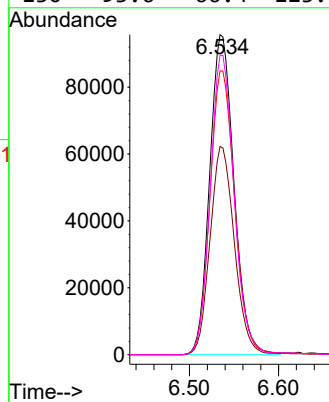
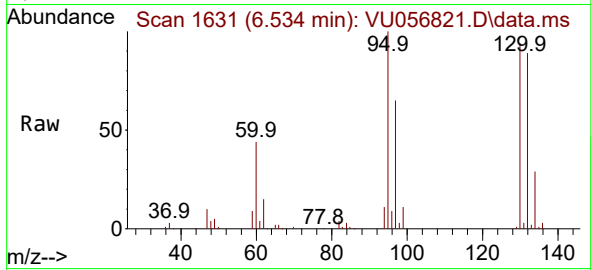
130 93.6 66.4 123.4

Manual Integrations

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Supervised By :Mahesh Dadoda 12/18/2023



#42

Toluene

Concen: 3.103 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056821.D

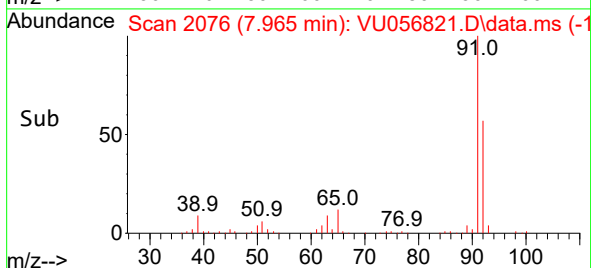
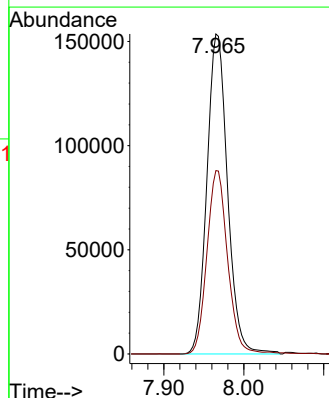
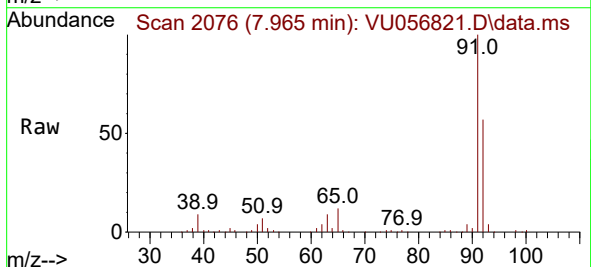
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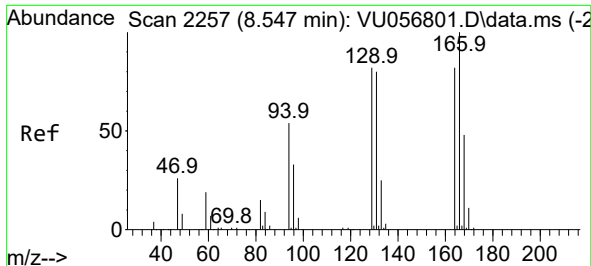
Tgt Ion: 91 Resp: 275451

Ion Ratio Lower Upper

91 100

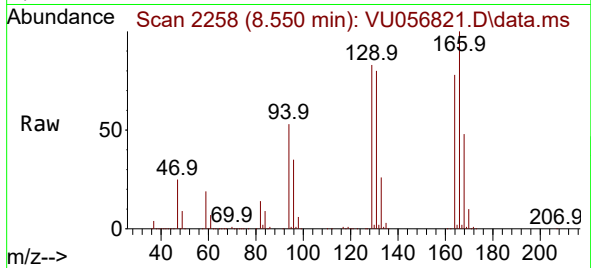
92 57.3 40.4 75.0





#47
Tetrachloroethene
Concen: 94.326 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU056821.D
Acq: 13 Dec 2023 06:38

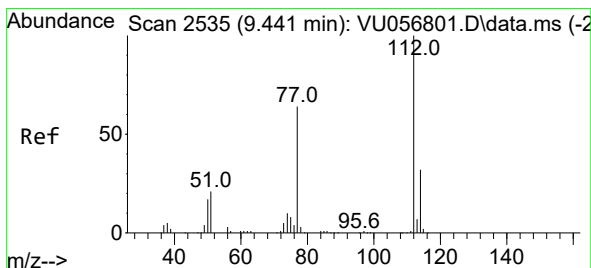
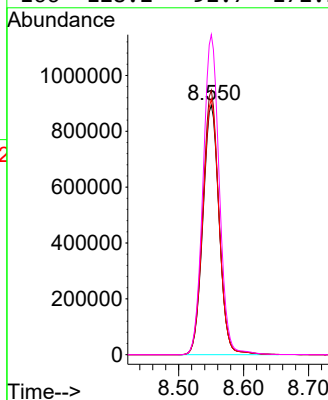
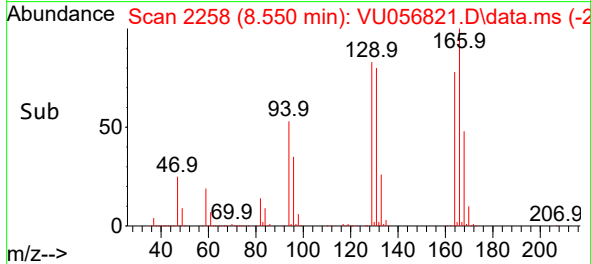
Instrument :
MSVOA_U
ClientSampleId :
E06J1



Tgt Ion:164 Resp: 155346
Ion Ratio Lower Upper
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129 105.9 73.4 136.4
131 102.3 71.5 132.9
166 128.2 92.7 172.1

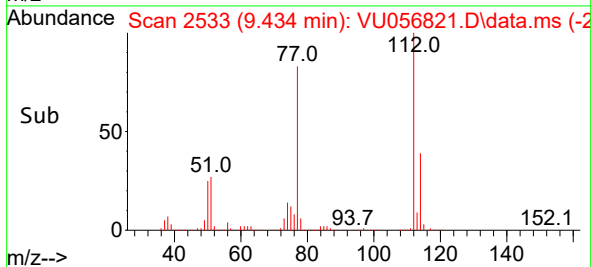
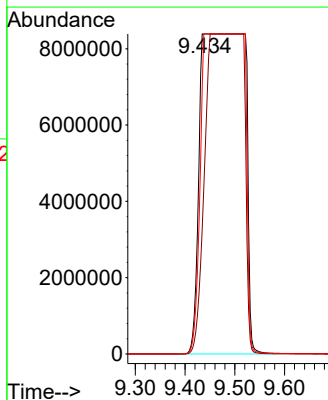
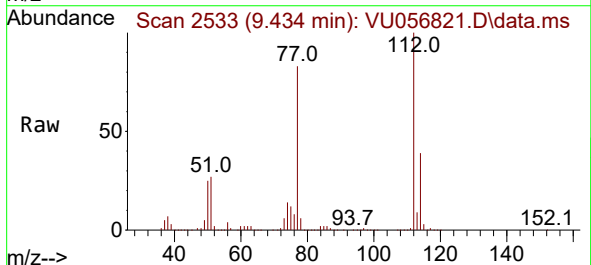
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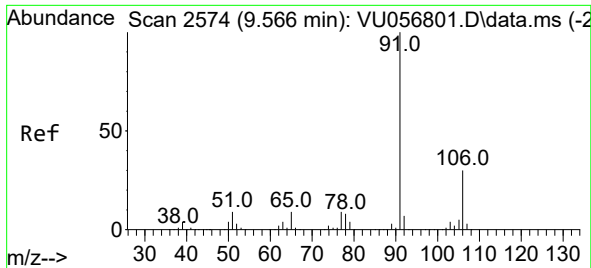
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#51
Chlorobenzene
Concen: 911.196 ug/L m
RT: 9.434 min Scan# 2533
Delta R.T. -0.006 min
Lab File: VU056821.D
Acq: 13 Dec 2023 06:38

Tgt Ion:112 Resp:51550190
Ion Ratio Lower Upper
112 100
114 39.1 21.9 40.7
77 83.1 51.6 77.4#





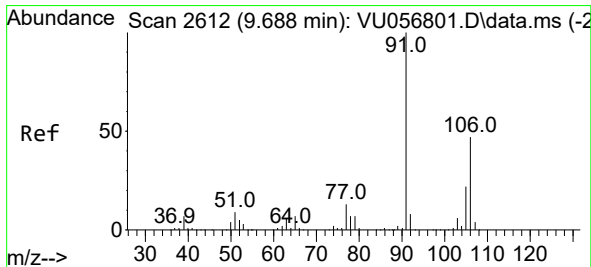
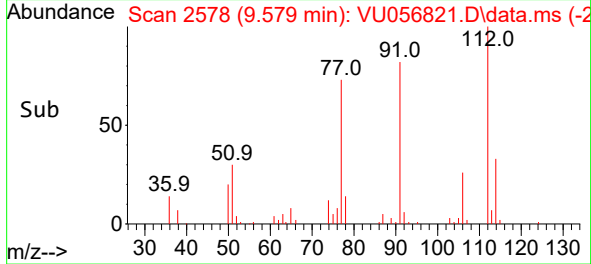
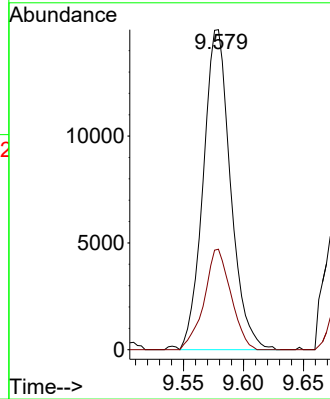
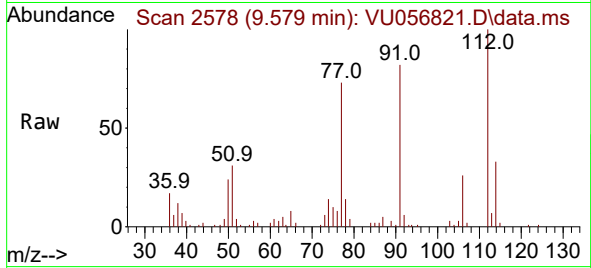
#52
Ethylbenzene
Concen: 0.242 ug/L
RT: 9.579 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU056821.D
Acq: 13 Dec 2023 06:38

Instrument :
MSVOA_U
ClientSampleId :
E06J1

Tgt Ion: 91 Resp: 2374
Ion Ratio Lower Upper
91 100
106 31.4 20.6 38.4

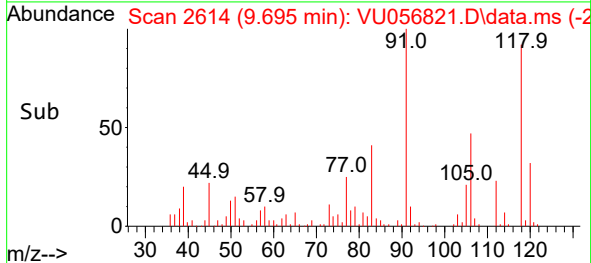
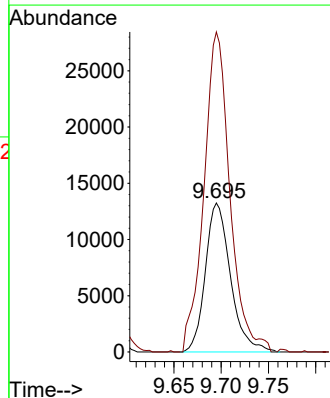
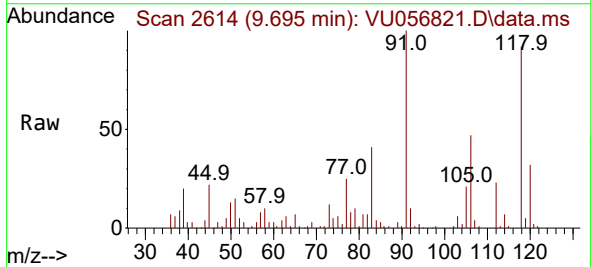
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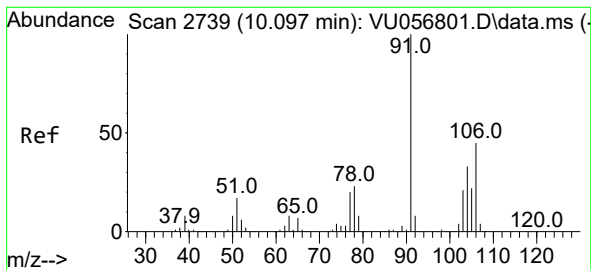
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#53
m,p-Xylene
Concen: 0.672 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.006 min
Lab File: VU056821.D
Acq: 13 Dec 2023 06:38

Tgt Ion:106 Resp: 24520
Ion Ratio Lower Upper
106 100
91 214.9 154.0 286.0





#54

o-Xylene

Concen: 0.606 ug/L

RT: 10.103 min Scan# 21074

Delta R.T. 0.006 min

Lab File: VU056821.D

Acq: 13 Dec 2023 06:38

Instrument :

MSVOA_U

ClientSampleId :

E06J1

Tgt Ion:106 Resp: 21074

Ion Ratio Lower Upper

106 100

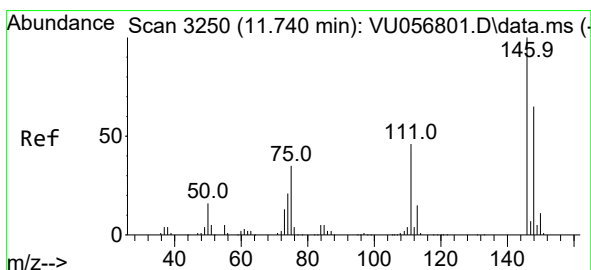
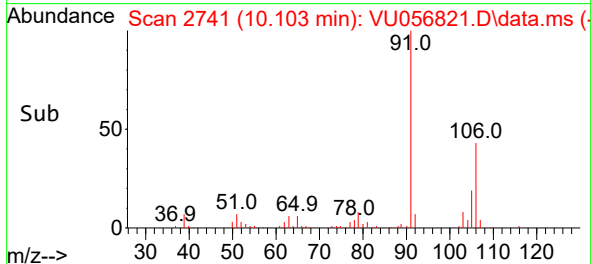
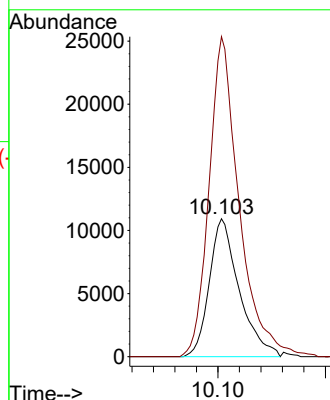
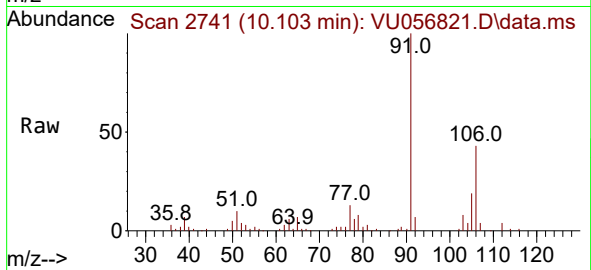
91 231.9 160.2 297.6

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Reviewed By :Semsettin Yesilyurt 12/16/2023

Supervised By :Mahesh Dadoda 12/18/2023



#64

1,3-Dichlorobenzene

Concen: 920.060 ug/L m

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU056821.D

Acq: 13 Dec 2023 06:38

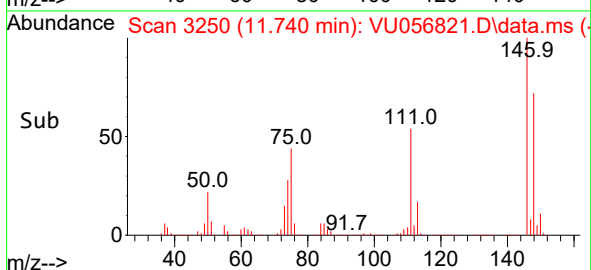
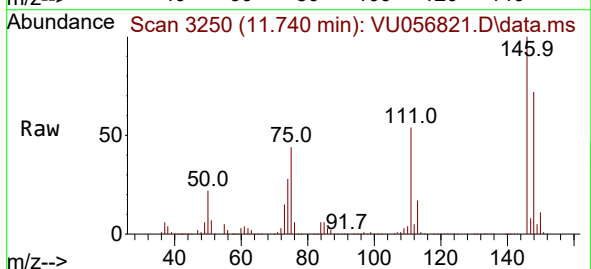
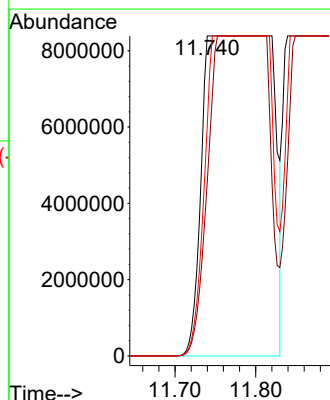
Tgt Ion:146 Resp:49449474

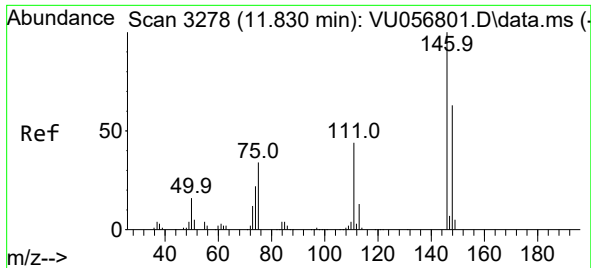
Ion Ratio Lower Upper

146 100

111 54.2 31.7 58.9

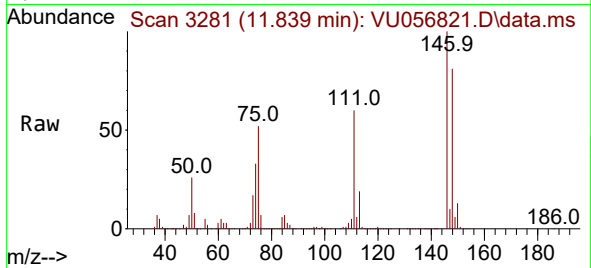
148 71.9 44.3 82.3





#65
1,4-Dichlorobenzene
Concen: 901.701 ug/L m
RT: 11.839 min Scan# 31
Delta R.T. 0.010 min
Lab File: VU056821.D
Acq: 13 Dec 2023 06:38

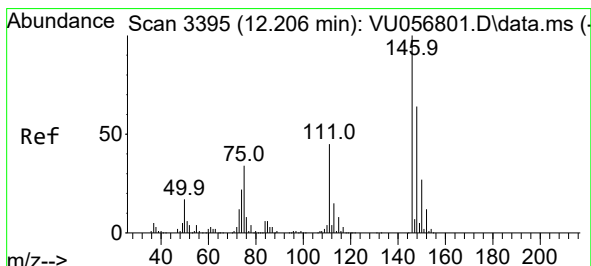
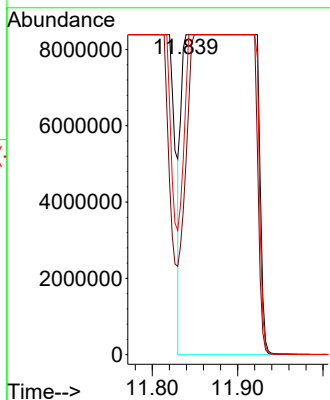
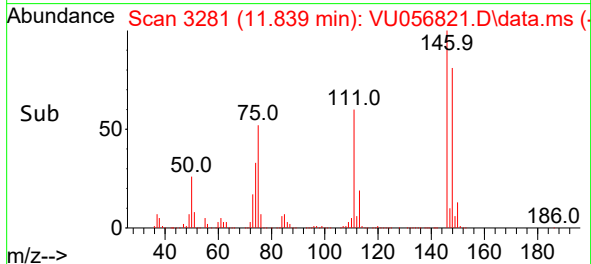
Instrument :
MSVOA_U
ClientSampleId :
E06J1



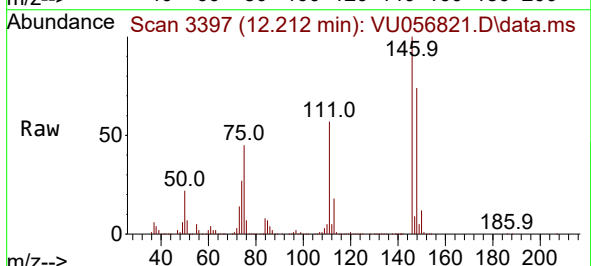
Tgt Ion:146 Resp:4771944
Ion Ratio Lower Upper
146 100
111 60.4 31.2 58.0
148 81.3 45.6 84.8

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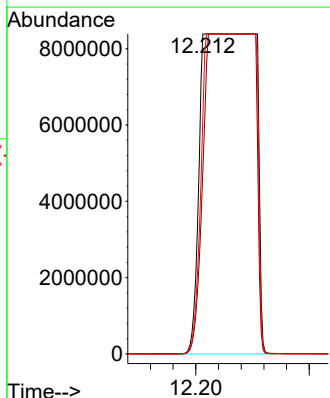
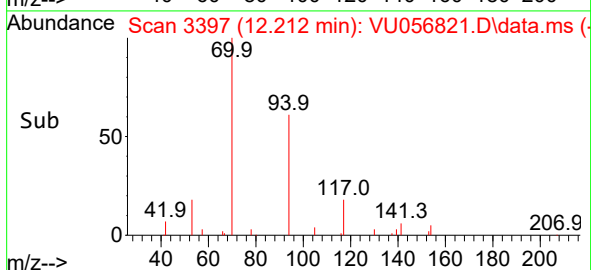
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023

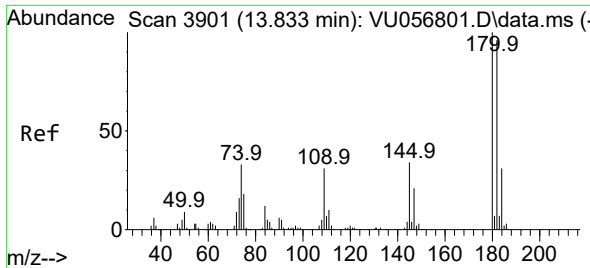


#67
1,2-Dichlorobenzene
Concen: 1126.264 ug/L m
RT: 12.212 min Scan# 3397
Delta R.T. 0.006 min
Lab File: VU056821.D
Acq: 13 Dec 2023 06:38



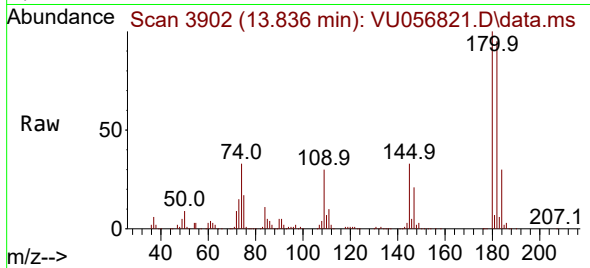
Tgt Ion:146 Resp:55143268
Ion Ratio Lower Upper
146 100
111 57.1 36.9 55.3
148 73.6 53.0 79.4





#70
1,2,4-trichlorobenzene
Concen: 32.679 ug/L
RT: 13.836 min Scan# 3901
Delta R.T. 0.003 min
Lab File: VU056821.D
Acq: 13 Dec 2023 06:38

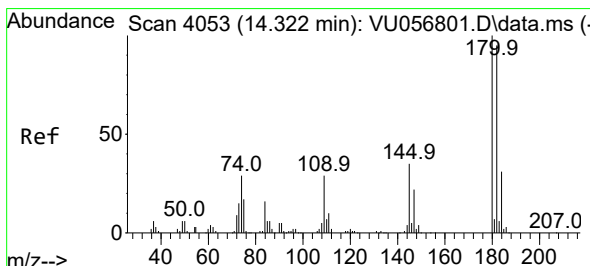
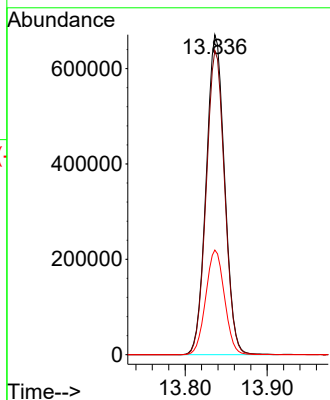
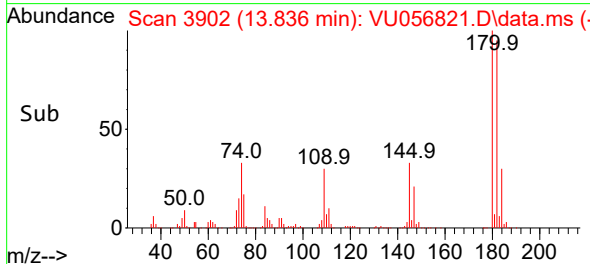
Instrument :
MSVOA_U
ClientSampleId :
E06J1



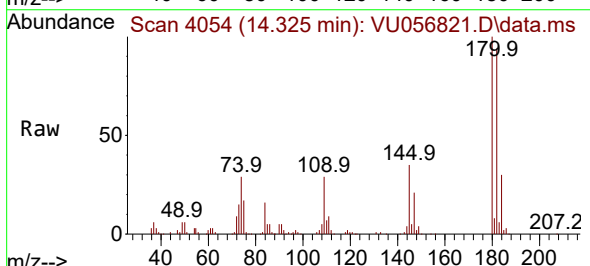
Tgt Ion:180 Resp: 1050930
Ion Ratio Lower Upper
180 100
182 95.0 74.3 111.5
145 33.2 26.7 40.1

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Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#72
1,2,3-Trichlorobenzene
Concen: 5.291 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU056821.D
Acq: 13 Dec 2023 06:38



Tgt Ion:180 Resp: 144459
Ion Ratio Lower Upper
180 100
182 95.2 75.0 112.6
145 34.4 28.6 42.8

