

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121223\
 Data File : VU056822.D
 Acq On : 13 Dec 2023 07:03
 Operator : MD/SY
 Sample : 05684-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E06J2

Manual Integrations
 APPROVED

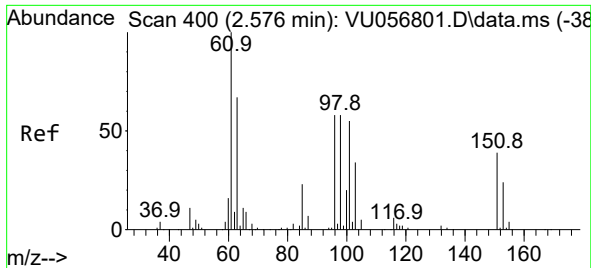
Reviewed By : Semsettin Yesilyurt 12/16/2023
 Supervised By : Mahesh Dadoda 12/18/2023

Quant Time: Dec 13 07:32:07 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)

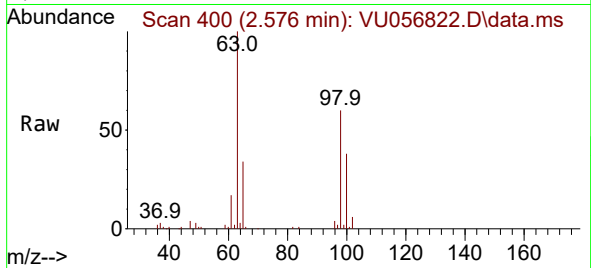
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	265765	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	264375	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.814	152	149953	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	87003	3.819	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	76.400%		
7) Chloroethane-d5	1.911	69	77440	4.543	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	90.800%		
11) 1,1-Dichloroethene-d2	2.563	65	41826	4.291	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	85.800%		
20) 2-Butanone-d5	4.615	46	224308	49.859	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	99.720%		
24) Chloroform-d	5.055	84	201008	4.660	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	93.200%		
26) 1,2-Dichloroethane-d4	5.695	65	98038	4.803	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	96.000%		
32) Benzene-d6	5.721	84	388163	4.734	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	94.600%		
36) 1,2-Dichloropropane-d6	6.685	67	123731	4.821	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	96.400%		
41) Toluene-d8	7.894	98	331733	4.526	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	90.600%		
43) trans-1,3-Dichloroprop...	8.174	79	45508	4.572	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	91.400%		
46) 2-Hexanone-d5	8.627	63	201991	53.806	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	107.620%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	92843	5.000	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	100.000%		
66) 1,2-Dichlorobenzene-d4	12.196	152	136624	4.635	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	92.600%		
Target Compounds						
12) 1,1-Dichloroethene	2.576	96	3303	0.153	ug/L	# 1
13) Acetone	2.631	43	15383	5.611	ug/L	99
19) 1,1-Dichloroethane	3.869	63	12555	0.298	ug/L	94
22) cis-1,2-Dichloroethene	4.660	96	36378	1.529	ug/L	96
33) Benzene	5.769	78	12464	0.134	ug/L	100
34) Trichloroethene	6.537	95	275330	10.803	ug/L	99
47) Tetrachloroethene	8.547	164	281097	15.759	ug/L	96
51) Chlorobenzene	9.441	112	2564793	41.858	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	14755008	263.277	ug/L	97
65) 1,4-Dichlorobenzene	11.827	146	22096444m	400.413	ug/L	
67) 1,2-Dichlorobenzene	12.206	146	24164720m	473.313	ug/L	
70) 1,2,4-trichlorobenzene	13.833	180	886987	26.450	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	322241	11.319	ug/L	99

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



#12
1,1-Dichloroethene
Concen: 0.153 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU056822.D
Acq: 13 Dec 2023 07:03

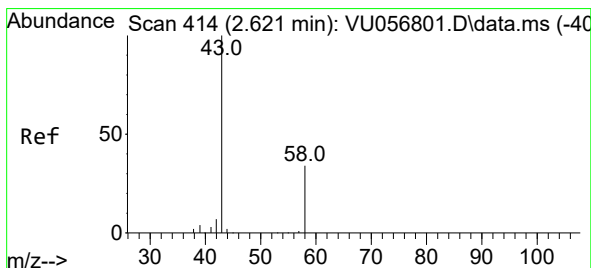
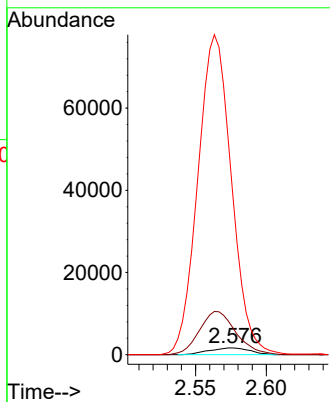
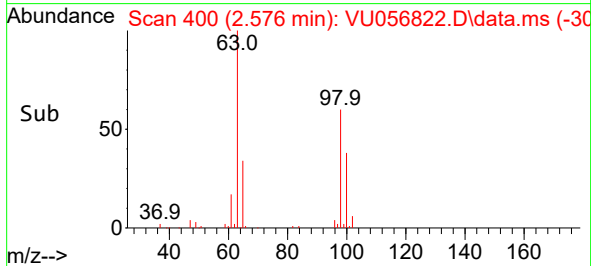
Instrument :
MSVOA_U
ClientSampleId :
E06J2



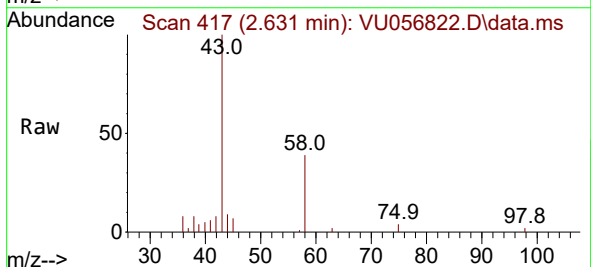
Tgt Ion: 96 Resp: 330
Ion Ratio Lower Upper
96 100
61 405.9 119.0 221.0
63 2404.4 88.7 164.7

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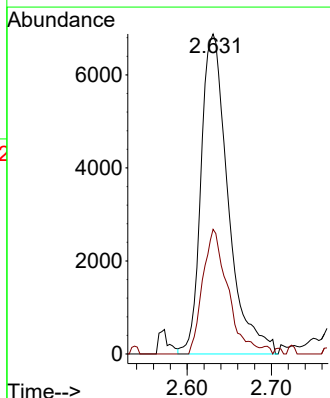
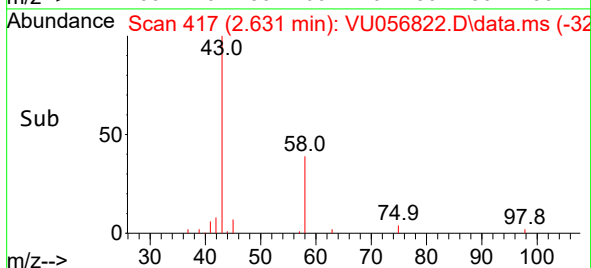
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023

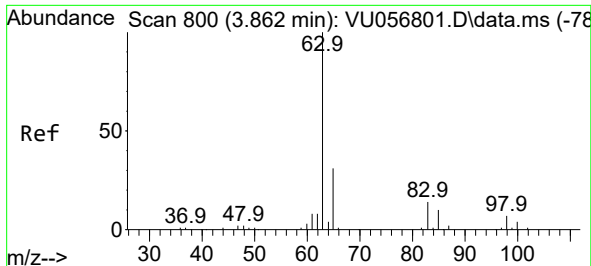


#13
Acetone
Concen: 5.611 ug/L
RT: 2.631 min Scan# 417
Delta R.T. 0.010 min
Lab File: VU056822.D
Acq: 13 Dec 2023 07:03



Tgt Ion: 43 Resp: 15383
Ion Ratio Lower Upper
43 100
58 35.9 0.0 72.6





#19

1,1-Dichloroethane

Concen: 0.298 ug/L

RT: 3.869 min Scan# 800

Delta R.T. 0.006 min

Lab File: VU056822.D

Acq: 13 Dec 2023 07:03

Instrument :

MSVOA_U

ClientSampleId :

E06J2

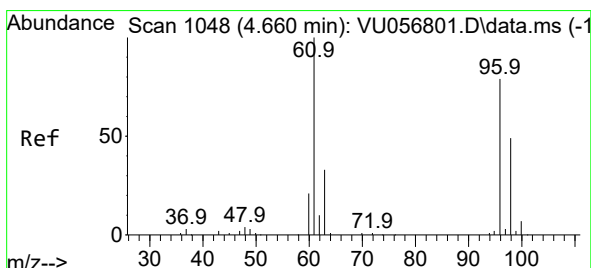
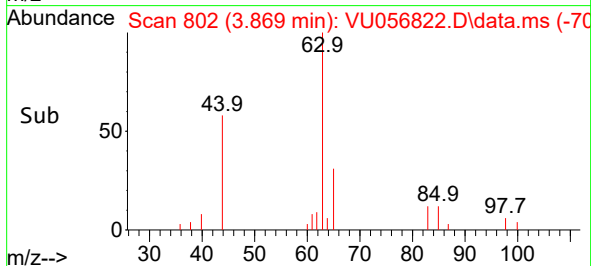
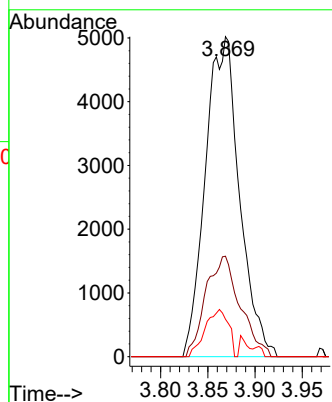
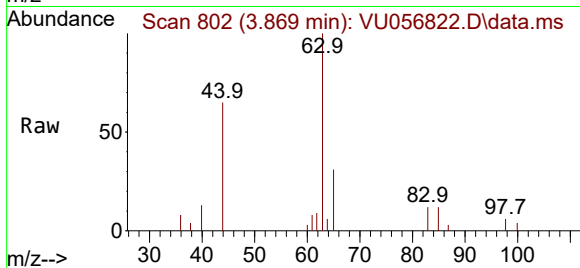
Tgt Ion: 63 Resp: 1255

Ion	Ratio	Lower	Upper
63	100		
65	29.7	22.9	42.5
83	11.1	10.1	18.9

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#22

cis-1,2-Dichloroethene

Concen: 1.529 ug/L

RT: 4.660 min Scan# 1048

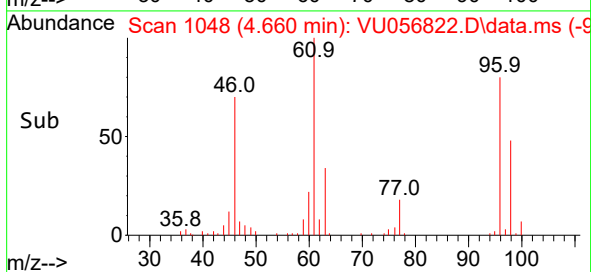
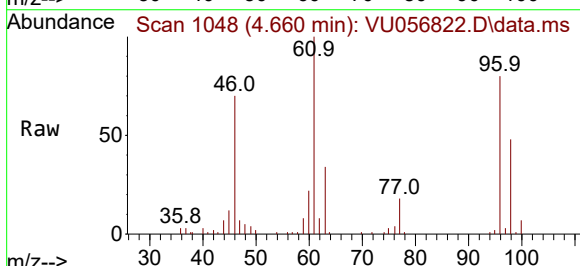
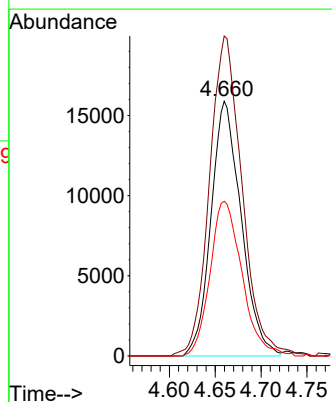
Delta R.T. -0.000 min

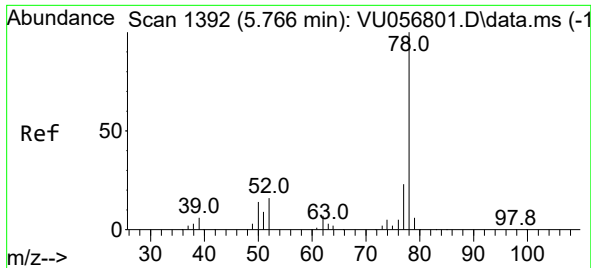
Lab File: VU056822.D

Acq: 13 Dec 2023 07:03

Tgt Ion: 96 Resp: 36378

Ion	Ratio	Lower	Upper
96	100		
61	125.6	91.3	169.6
98	60.8	44.2	82.0





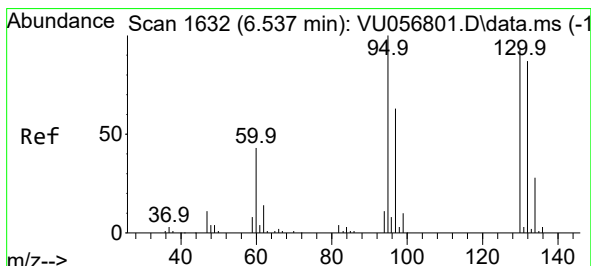
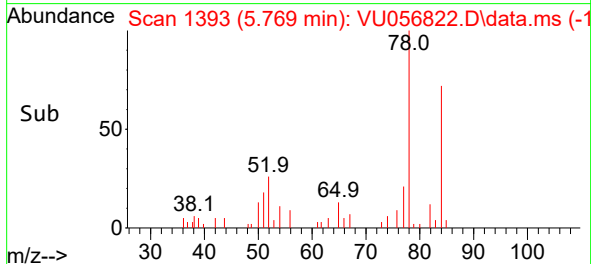
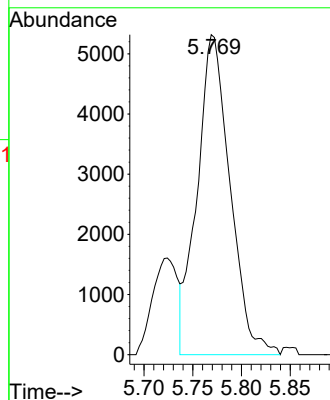
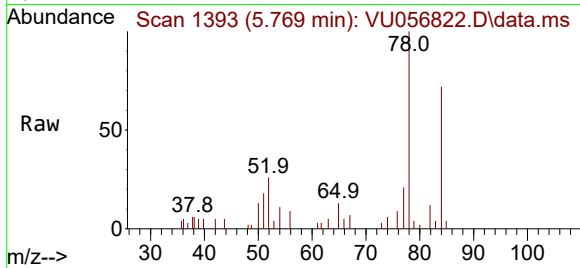
#33
Benzene
Concen: 0.134 ug/L
RT: 5.769 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU056822.D
Acq: 13 Dec 2023 07:03

Instrument :
MSVOA_U
ClientSampleId :
E06J2

Tgt Ion: 78 Resp: 1246

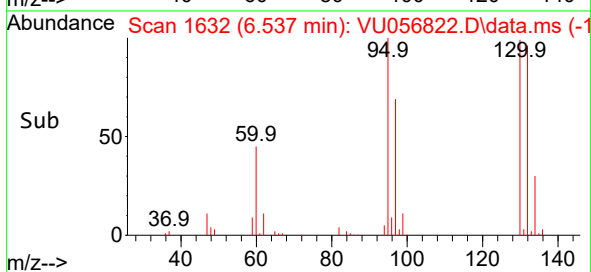
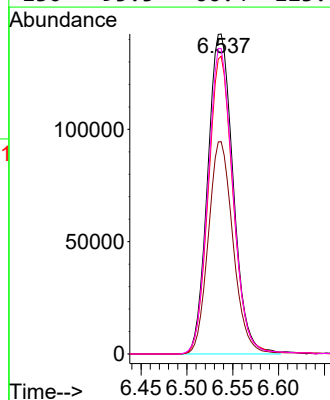
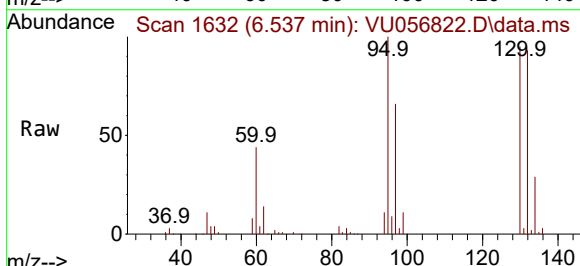
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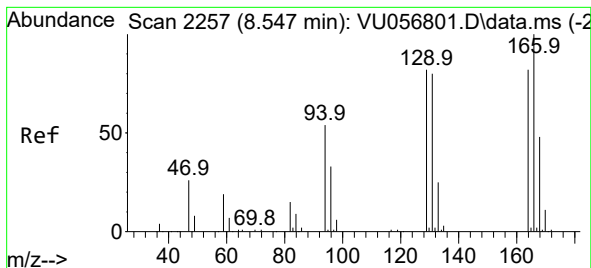
Reviewed By :Semsettin Yesilyurt 12/16/2023
Supervised By :Mahesh Dadoda 12/18/2023



#34
Trichloroethene
Concen: 10.803 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU056822.D
Acq: 13 Dec 2023 07:03

Tgt Ion: 95 Resp: 275330
Ion Ratio Lower Upper
95 100
97 66.3 46.1 85.5
132 93.0 63.6 118.0
130 95.5 66.4 123.4





#47

Tetrachloroethene

Concen: 15.759 ug/L

RT: 8.547 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056822.D

Acq: 13 Dec 2023 07:03

Instrument :

MSVOA_U

ClientSampleId :

E06J2

Tgt Ion:164 Resp: 28109

Ion Ratio Lower Upper

164 100

129 104.6 73.4 136.4

131 99.2 71.5 132.9

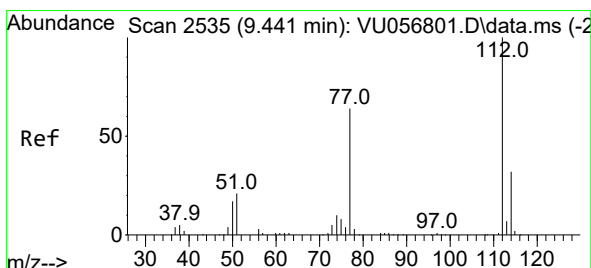
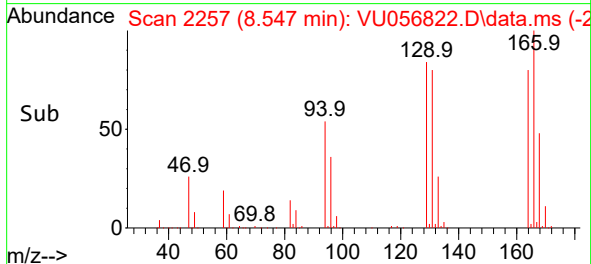
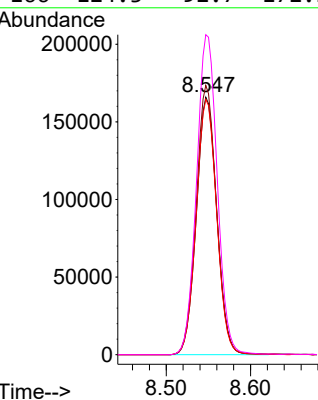
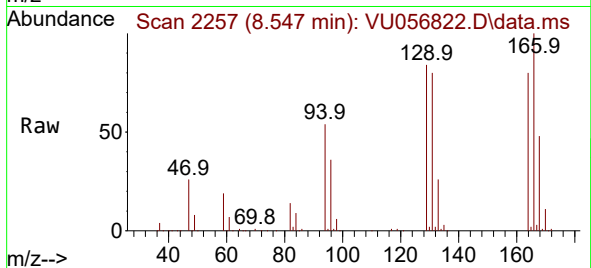
166 124.3 92.7 172.1

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#51

Chlorobenzene

Concen: 41.858 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU056822.D

Acq: 13 Dec 2023 07:03

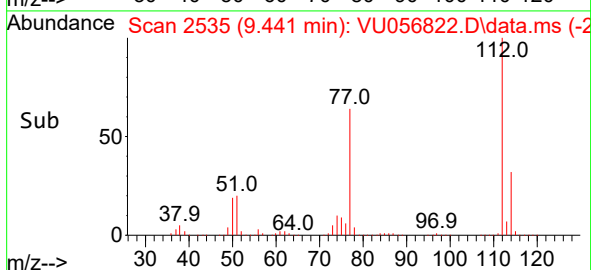
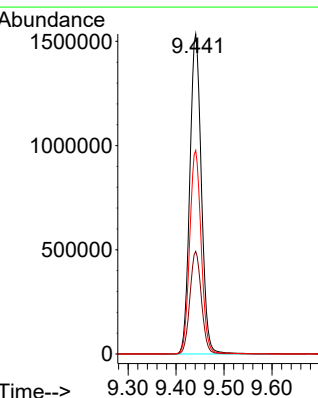
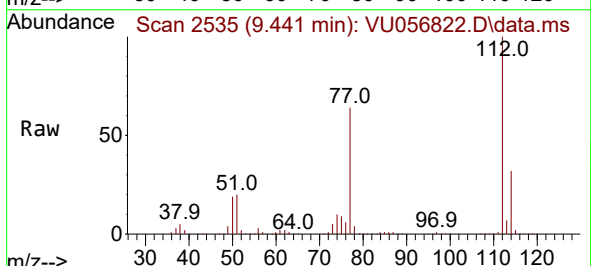
Tgt Ion:112 Resp: 2564793

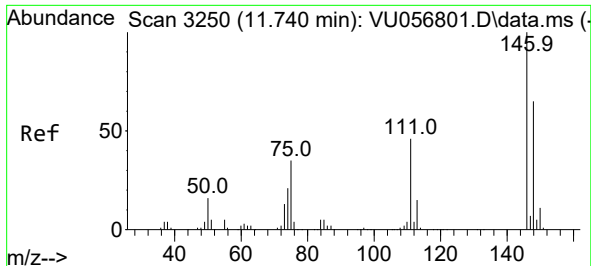
Ion Ratio Lower Upper

112 100

114 32.0 21.9 40.7

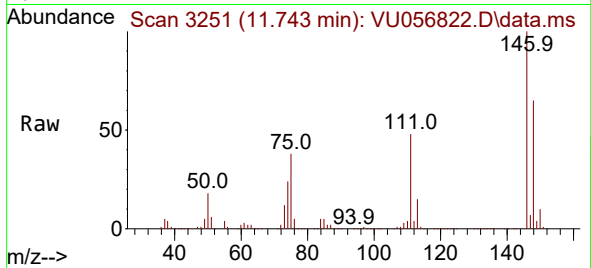
77 63.6 51.6 77.4





#64
1,3-Dichlorobenzene
Concen: 263.277 ug/L
RT: 11.743 min Scan# 3250
Delta R.T. 0.003 min
Lab File: VU056822.D
Acq: 13 Dec 2023 07:03

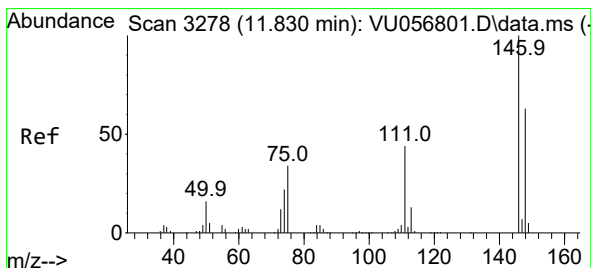
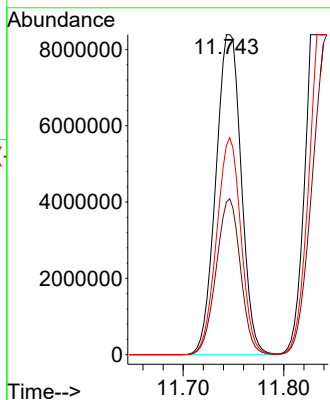
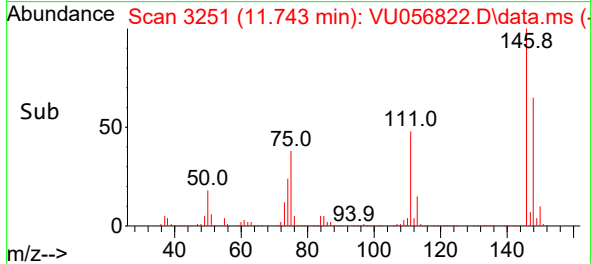
Instrument :
MSVOA_U
ClientSampleId :
E06J2



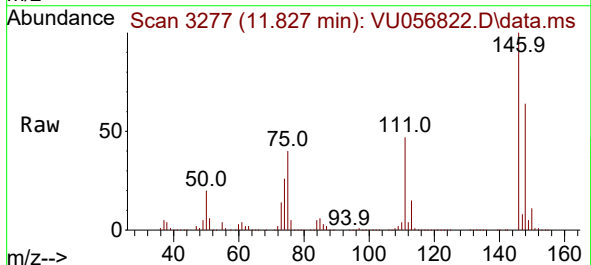
Tgt Ion:146 Resp:14755008
Ion Ratio Lower Upper
146 100
111 47.6 31.7 58.9
148 65.3 44.3 82.3

Manual Integrations
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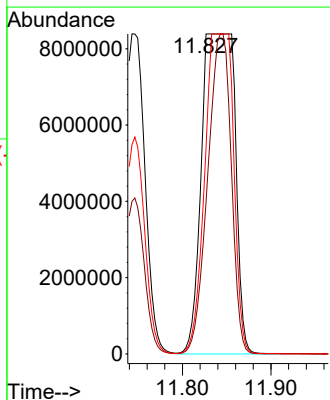
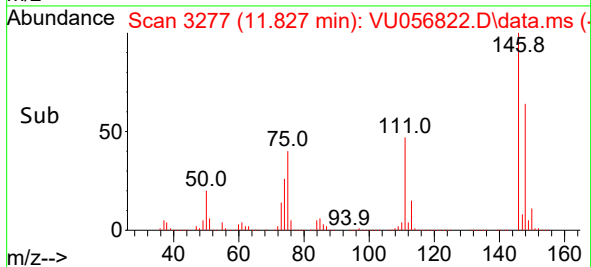
Reviewed By :Semsettin Yesilyurt 12/16/2023
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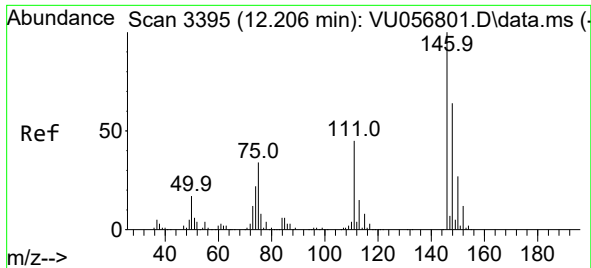


#65
1,4-Dichlorobenzene
Concen: 400.413 ug/L m
RT: 11.827 min Scan# 3277
Delta R.T. -0.003 min
Lab File: VU056822.D
Acq: 13 Dec 2023 07:03



Tgt Ion:146 Resp:22096444
Ion Ratio Lower Upper
146 100
111 47.4 31.2 58.0
148 64.4 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 473.313 ug/L m

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU056822.D

Acq: 13 Dec 2023 07:03

Instrument :

MSVOA_U

ClientSampleId :

E06J2

Tgt Ion:146 Resp:24164720

Ion Ratio Lower Upper

146 100

111 62.2 36.9 55.3

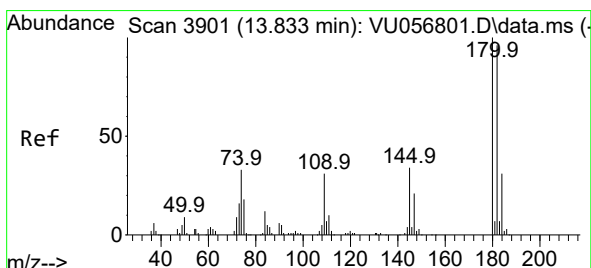
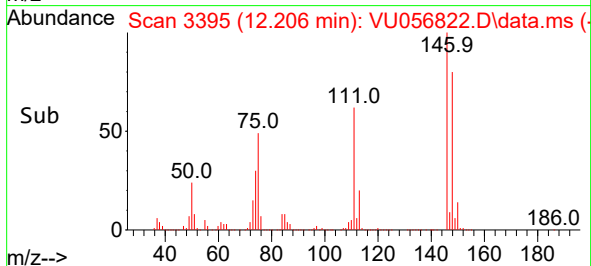
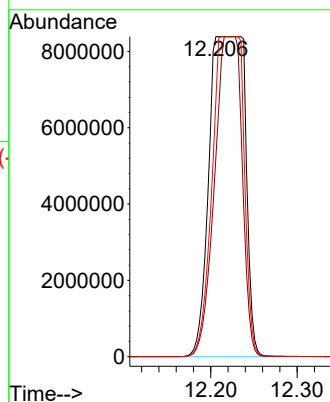
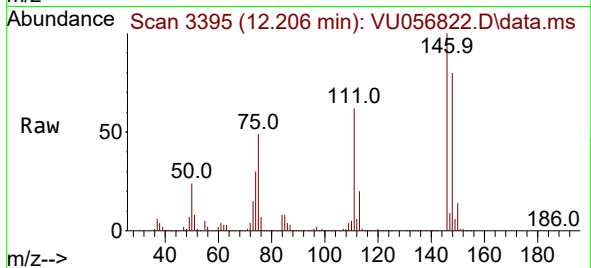
148 80.0 53.0 79.4

Manual Integrations

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#70

1,2,4-trichlorobenzene

Concen: 26.450 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. -0.000 min

Lab File: VU056822.D

Acq: 13 Dec 2023 07:03

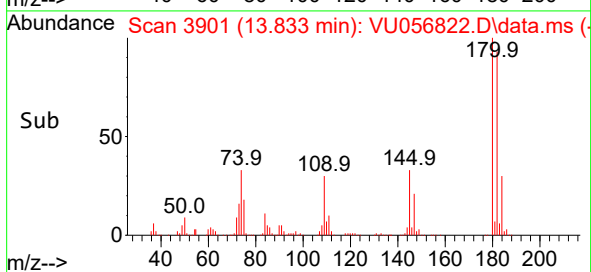
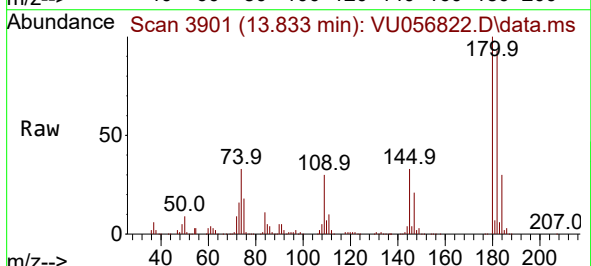
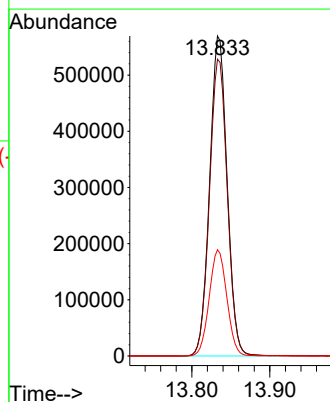
Tgt Ion:180 Resp: 886987

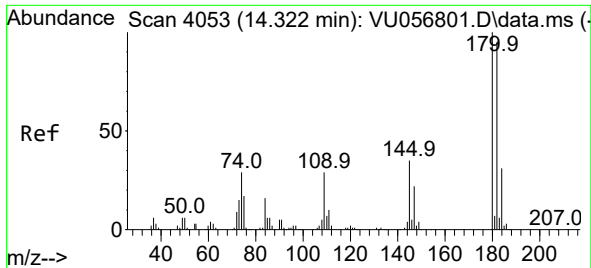
Ion Ratio Lower Upper

180 100

182 94.4 74.3 111.5

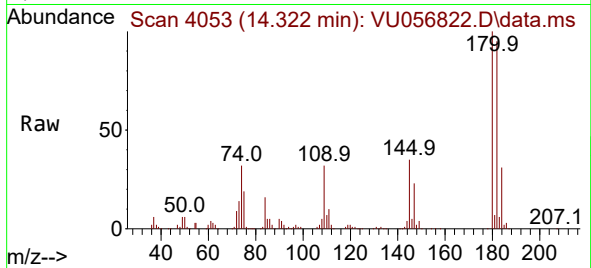
145 33.4 26.7 40.1





#72
 1,2,3-Trichlorobenzene
 Concen: 11.319 ug/L
 RT: 14.322 min Scan# 4053
 Delta R.T. -0.000 min
 Lab File: VU056822.D
 Acq: 13 Dec 2023 07:03

Instrument :
 MSVOA_U
 ClientSampleId :
 E06J2



Tgt Ion:180 Resp: 32224
 Ion Ratio Lower Upper
 180 100
 182 94.6 75.0 112.6
 145 35.4 28.6 42.8

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