

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
 Data File : VU061114.D
 Acq On : 11 Oct 2024 13:25
 Operator : MD/SY
 Sample : P4380-22
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E27G7

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/14/2024
 Supervised By :Semsettin Yesilyurt 10/14/2024

Quant Time: Oct 14 04:18:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR100124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 11 06:46:55 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	156587	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	146300	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	72169	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	46021	4.111	ug/L	-0.01
Spiked Amount	5.000	Range 40 - 130	Recovery	=	82.200%	
7) Chloroethane-d5	1.901	69	40230	4.801	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	96.000%	
11) 1,1-Dichloroethene-d2	2.551	65	21100	4.272	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	85.400%	
20) 2-Butanone-d5	4.692	46	127780	47.650	ug/L	0.07
Spiked Amount	50.000	Range 40 - 130	Recovery	=	95.300%	
24) Chloroform-d	5.049	84	101251	5.132	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	102.600%	
26) 1,2-Dichloroethane-d4	5.692	65	53566	5.122	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	102.400%	
32) Benzene-d6	5.711	84	196126	5.084	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	101.600%	
36) 1,2-Dichloropropane-d6	6.682	67	66918	5.282	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	105.600%	
41) Toluene-d8	7.888	98	180198	4.998	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	100.000%	
43) trans-1,3-Dichloroprop...	8.174	79	25516	4.711	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	94.200%	
46) 2-Hexanone-d5	8.634	63	124689	55.615	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	111.220%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	49162	5.292	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	105.800%	
66) 1,2-Dichlorobenzene-d4	12.184	152	64210	5.564	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	111.200%	
Target Compounds						
					Qvalue	
14) Carbon disulfide	2.772	76	4378	0.142	ug/L #	87
18) trans-1,2-Dichloroethene	3.325	96	2043	0.206	ug/L	91
22) cis-1,2-Dichloroethene	4.647	96	43580	3.948	ug/L	97
30) Cyclohexane	5.357	56	3464	0.184	ug/L #	76
33) Benzene	5.759	78	39753	0.922	ug/L	100
34) Trichloroethene	6.531	95	20275	1.734	ug/L	96
35) Methylcyclohexane	6.746	83	2799	0.148	ug/L #	66
42) Toluene	7.959	91	174078	3.789	ug/L	100
47) Tetrachloroethene	8.541	164	173602	22.816	ug/L	96
52) Ethylbenzene	9.563	91	26305	0.505	ug/L	96
53) m,p-Xylene	9.685	106	25688	1.353	ug/L	94
54) o-Xylene	10.094	106	13901	0.744	ug/L	91
55) Styrene	10.110	104	7787	0.258	ug/L	85
60) Isopropylbenzene	10.476	105	5015m	0.104	ug/L	
62) 1,3,5-Trimethylbenzene	11.081	105	39393	0.926	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	76553	1.783	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	3056	0.274	ug/L #	87

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

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

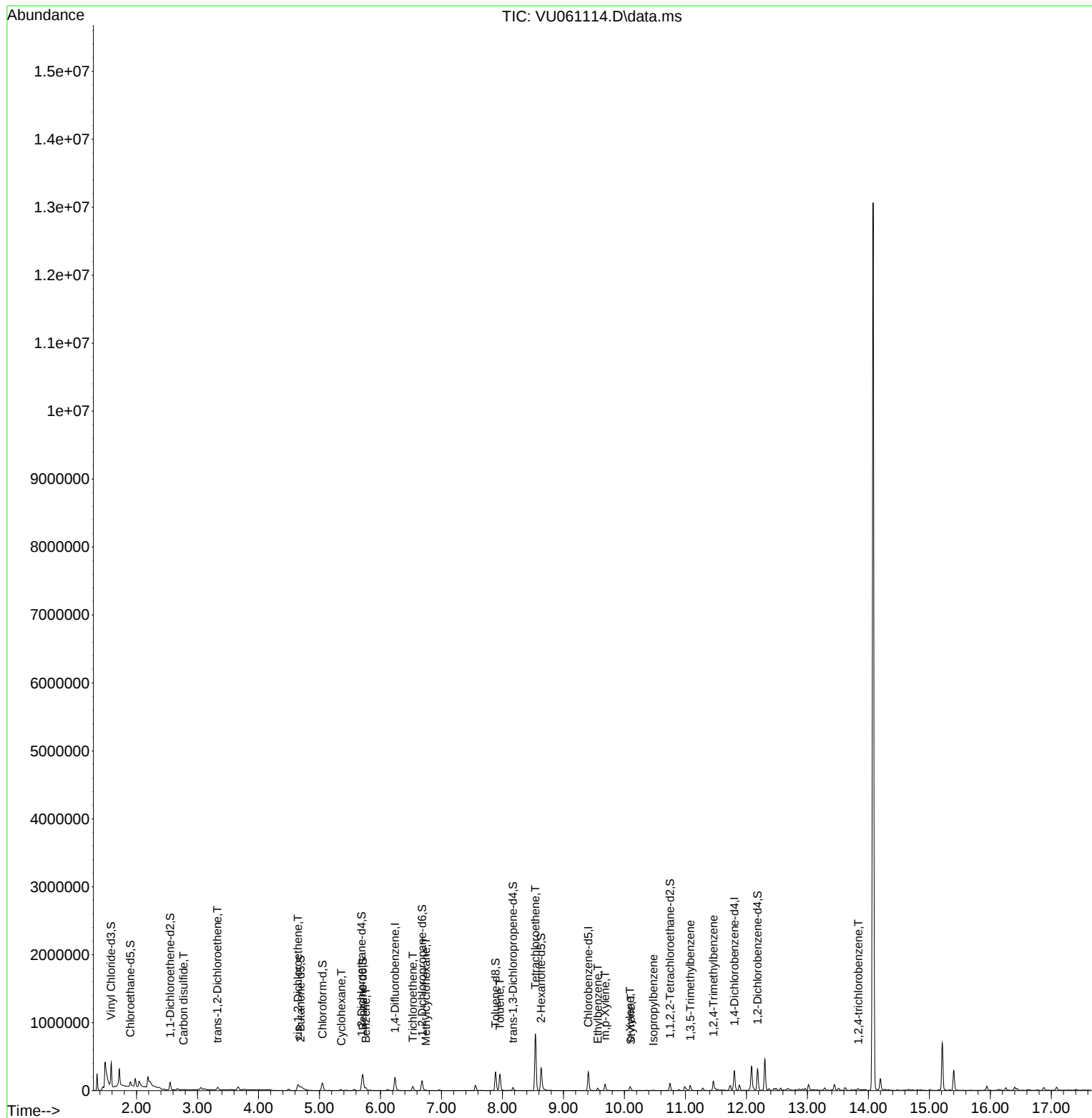
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101124\
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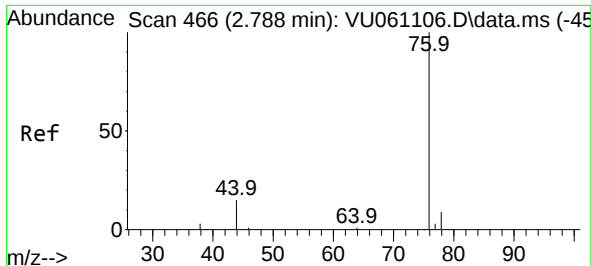
Instrument :
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#14

Carbon disulfide

Concen: 0.142 ug/L

RT: 2.772 min Scan# 40

Delta R.T. -0.016 min

Lab File: VU061114.D

Acq: 11 Oct 2024 13:25

Instrument :

MSVOA_U

ClientSampleId :

E27G7

Tgt Ion: 76 Resp: 4378

Ion Ratio Lower Upper

76 100

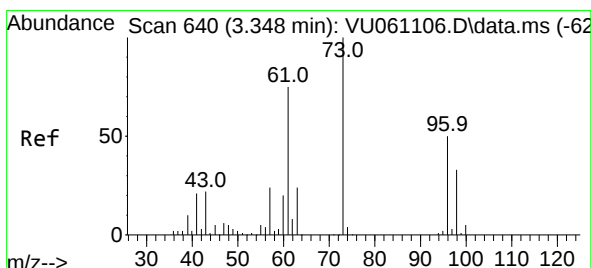
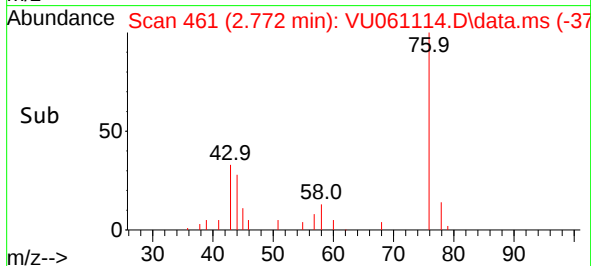
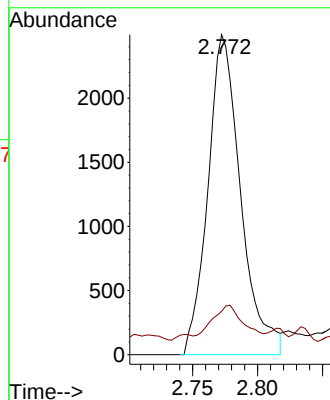
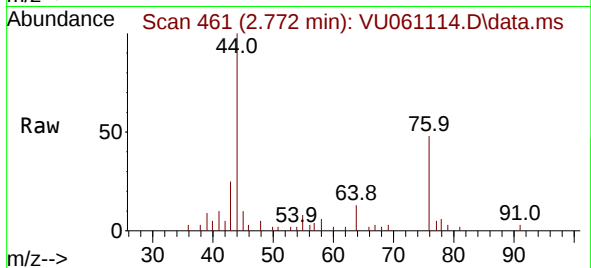
78 13.5 7.1 10.7

Manual Integrations

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#18

trans-1,2-Dichloroethene

Concen: 0.206 ug/L

RT: 3.325 min Scan# 633

Delta R.T. -0.022 min

Lab File: VU061114.D

Acq: 11 Oct 2024 13:25

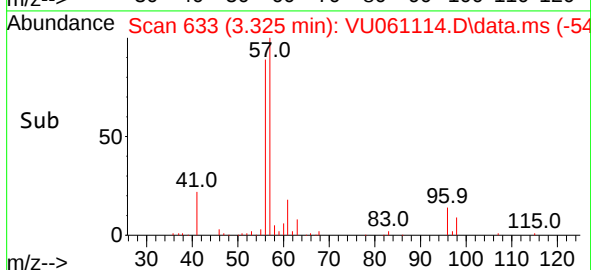
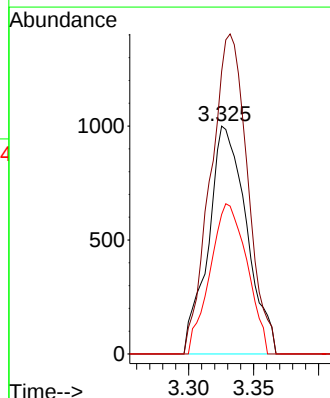
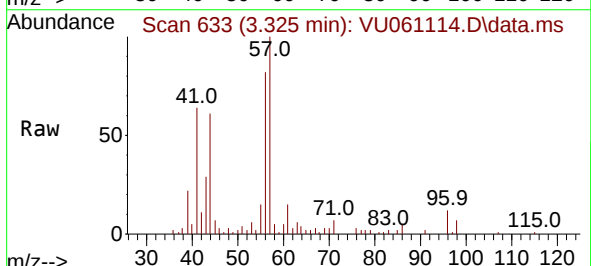
Tgt Ion: 96 Resp: 2043

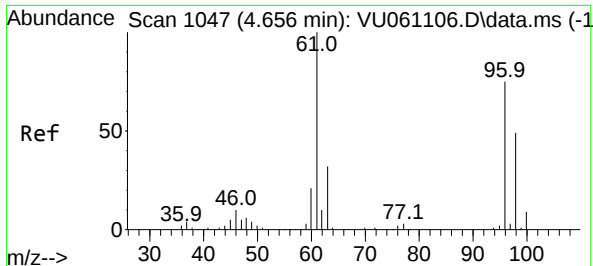
Ion Ratio Lower Upper

96 100

61 124.0 97.2 180.6

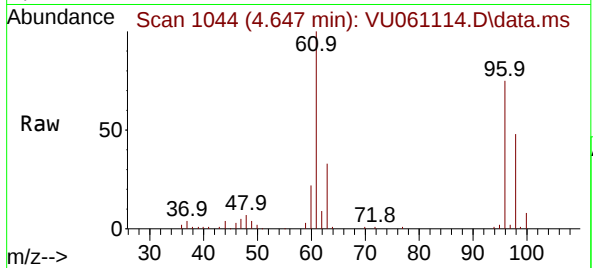
98 61.2 43.3 80.5





#22
 cis-1,2-Dichloroethene
 Concen: 3.948 ug/L
 RT: 4.647 min Scan# 1044
 Delta R.T. -0.013 min
 Lab File: VU061114.D
 Acq: 11 Oct 2024 13:25

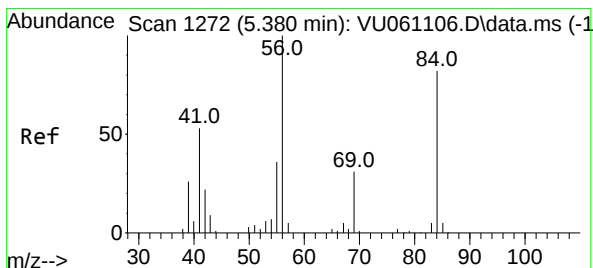
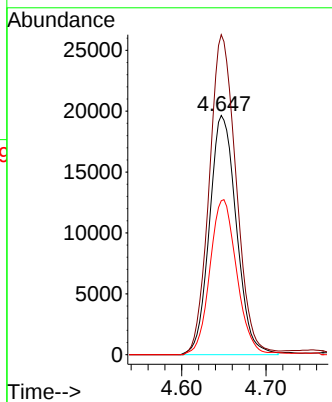
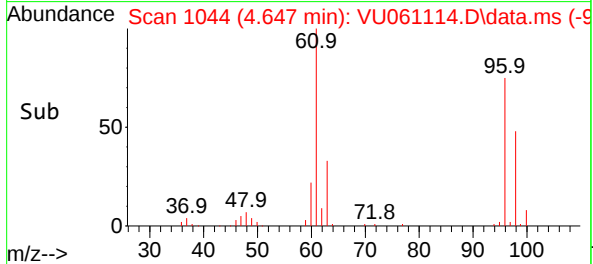
Instrument :
 MSVOA_U
 ClientSampleId :
 E27G7



Tgt Ion: 96 Resp: 43580
 Ion Ratio Lower Upper
 96 100
 61 133.8 89.7 166.5
 98 64.3 45.1 83.9

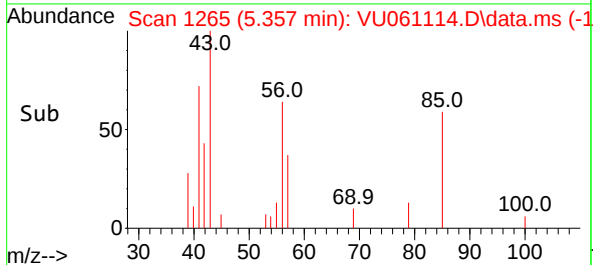
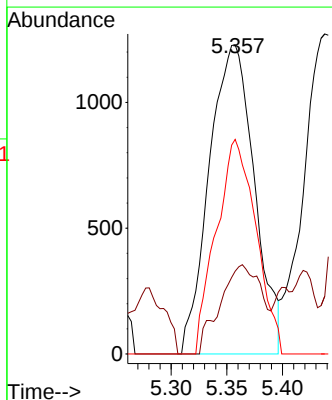
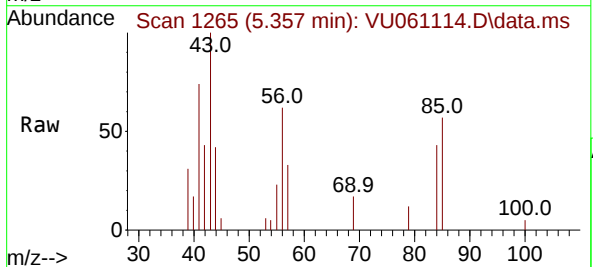
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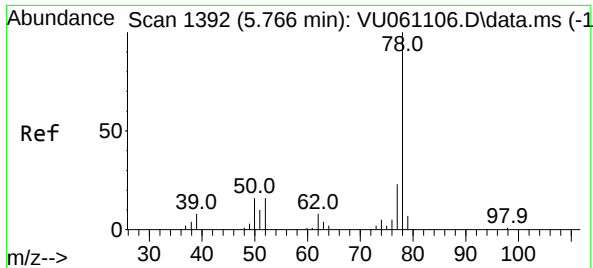
Reviewed By :Mahesh Dadoda 10/14/2024
 Supervised By :Semsettin Yesilyurt 10/14/2024



#30
 Cyclohexane
 Concen: 0.184 ug/L
 RT: 5.357 min Scan# 1265
 Delta R.T. -0.022 min
 Lab File: VU061114.D
 Acq: 11 Oct 2024 13:25

Tgt Ion: 56 Resp: 3464
 Ion Ratio Lower Upper
 56 100
 69 26.9 25.4 38.0
 84 61.3 71.0 106.6#





#33

Benzene

Concen: 0.922 ug/L

RT: 5.759 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU061114.D

Acq: 11 Oct 2024 13:25

Instrument :

MSVOA_U

ClientSampleId :

E27G7

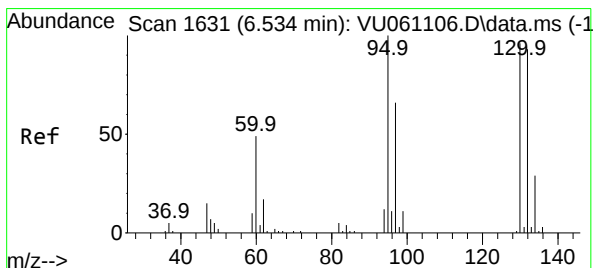
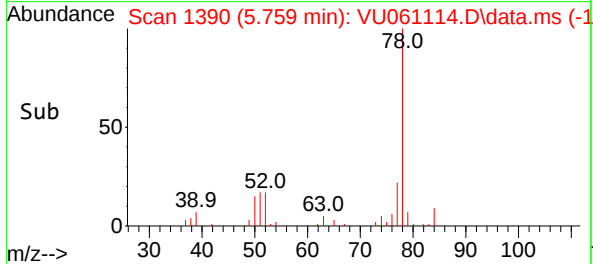
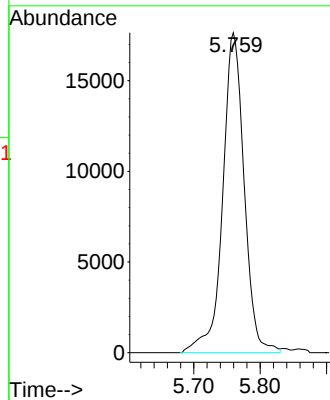
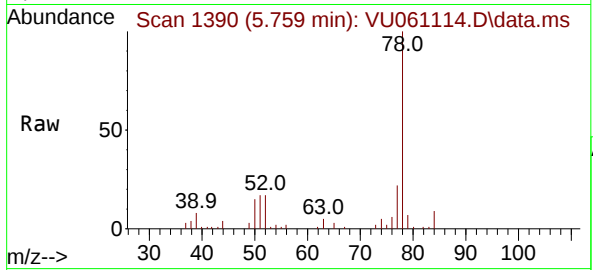
Tgt Ion: 78 Resp: 3975

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/14/2024

Supervised By :Semsettin Yesilyurt 10/14/2024



#34

Trichloroethene

Concen: 1.734 ug/L

RT: 6.531 min Scan# 1630

Delta R.T. -0.006 min

Lab File: VU061114.D

Acq: 11 Oct 2024 13:25

Tgt Ion: 95 Resp: 20275

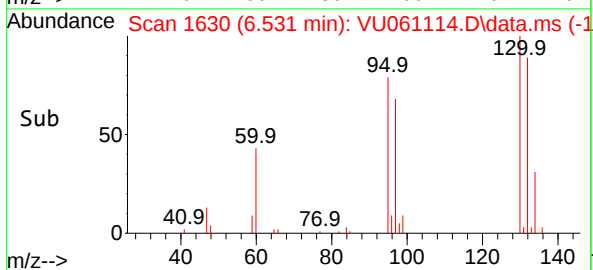
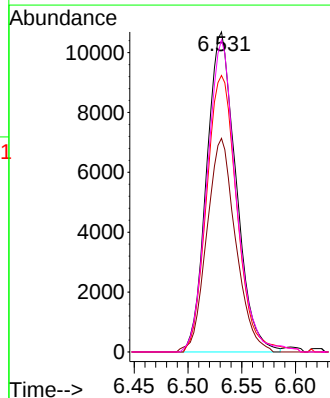
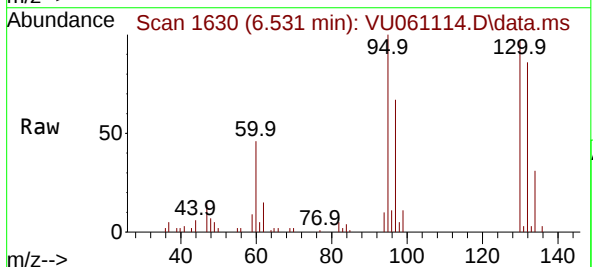
Ion Ratio Lower Upper

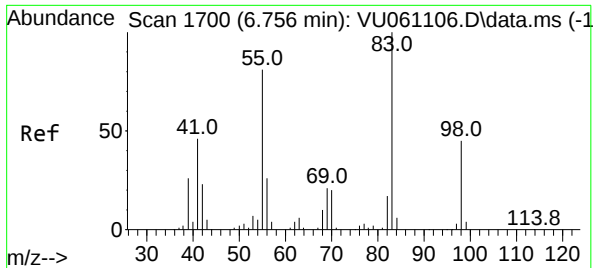
95 100

97 66.8 44.9 83.5

132 86.4 63.5 117.9

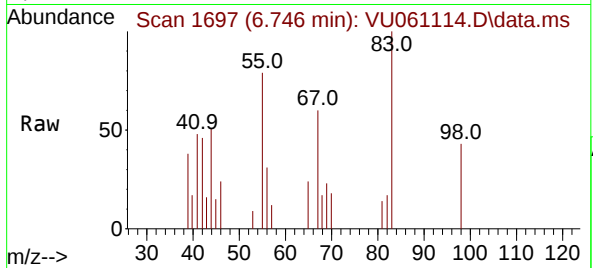
130 97.5 70.2 130.4





#35
Methylcyclohexane
Concen: 0.148 ug/L
RT: 6.746 min Scan# 1697
Delta R.T. -0.010 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

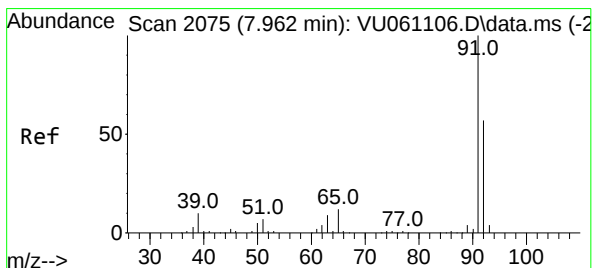
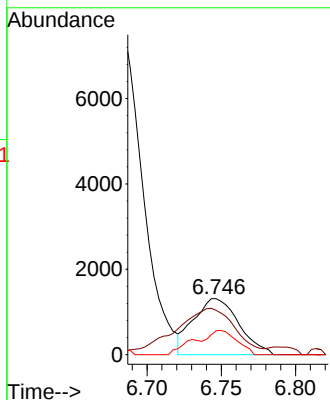
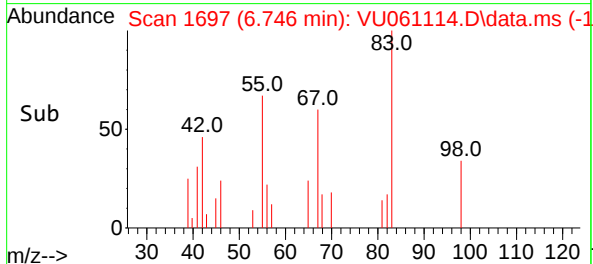
Instrument :
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ClientSampleId :
E27G7



Tgt Ion: 83 Resp: 2799
Ion Ratio Lower Upper
83 100
55 109.6 62.6 94.0
98 26.9 37.6 56.4

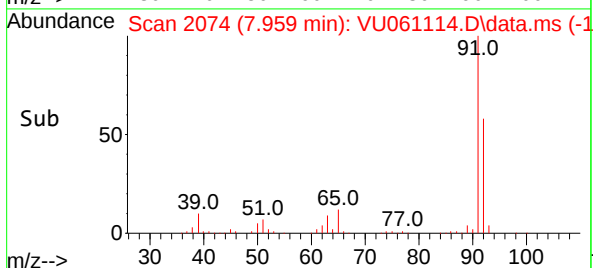
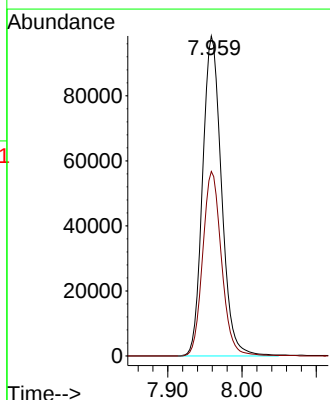
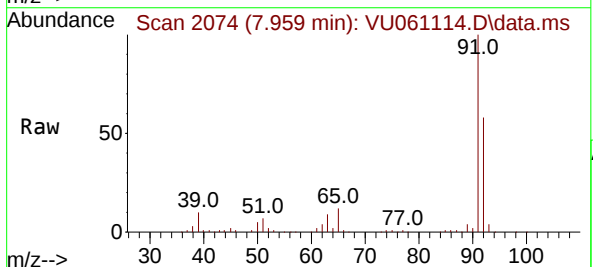
Manual Integrations
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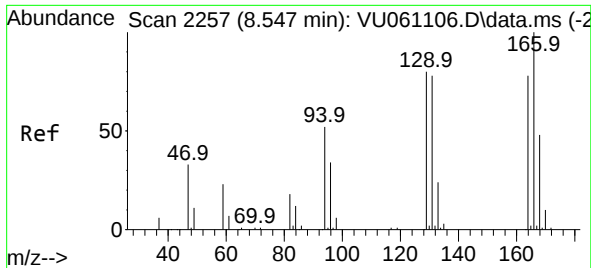
Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024



#42
Toluene
Concen: 3.789 ug/L
RT: 7.959 min Scan# 2074
Delta R.T. -0.003 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Tgt Ion: 91 Resp: 174078
Ion Ratio Lower Upper
91 100
92 57.7 40.5 75.3





#47

Tetrachloroethene

Concen: 22.816 ug/L

RT: 8.541 min Scan# 21

Delta R.T. -0.006 min

Lab File: VU061114.D

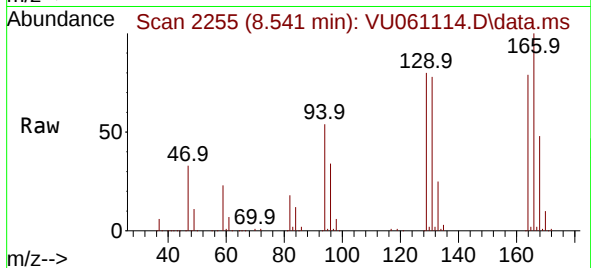
Acq: 11 Oct 2024 13:25

Instrument :

MSVOA_U

ClientSampleId :

E27G7



Tgt Ion:164 Resp: 17360

Ion Ratio Lower Upper

164 100

129 101.7 67.3 124.9

131 98.7 65.4 121.4

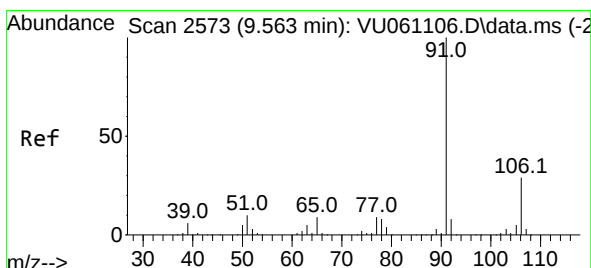
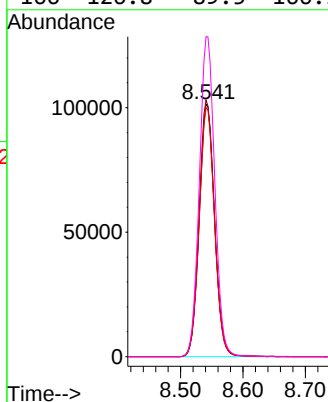
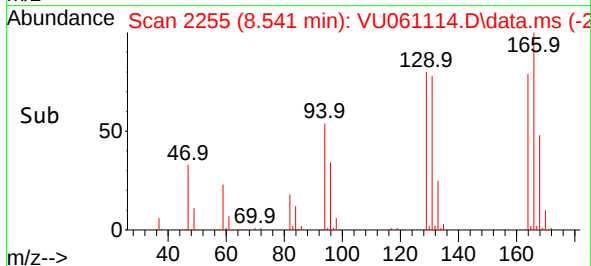
166 126.8 89.5 166.1

Manual Integrations

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#52

Ethylbenzene

Concen: 0.505 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. 0.000 min

Lab File: VU061114.D

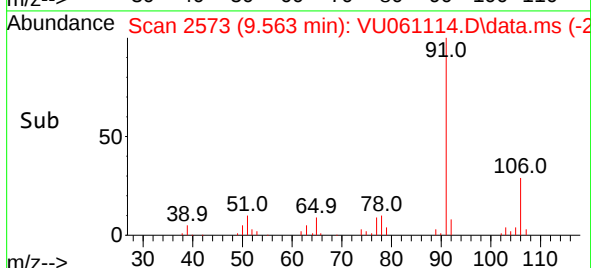
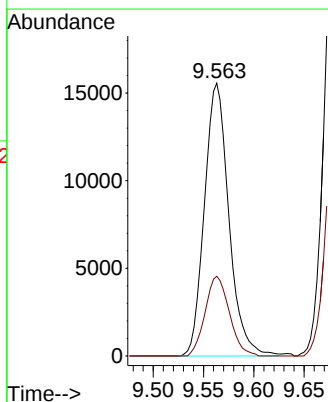
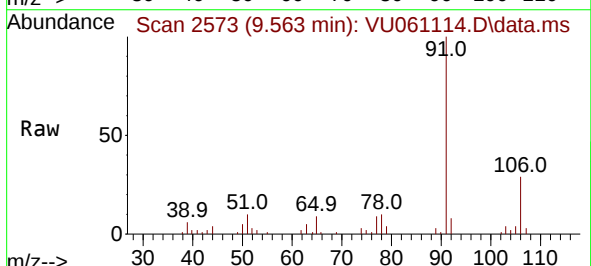
Acq: 11 Oct 2024 13:25

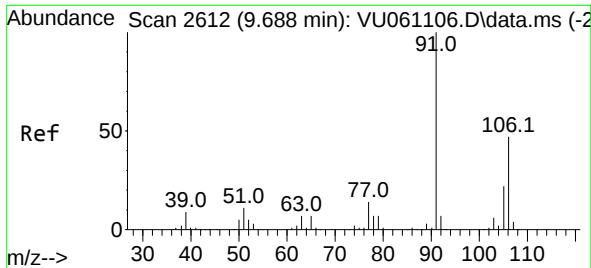
Tgt Ion: 91 Resp: 26305

Ion Ratio Lower Upper

91 100

106 29.2 21.8 40.6





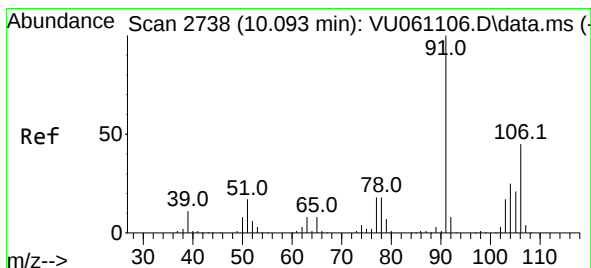
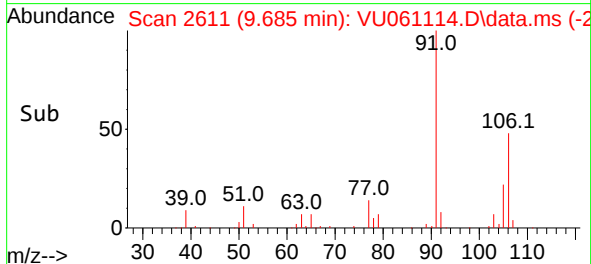
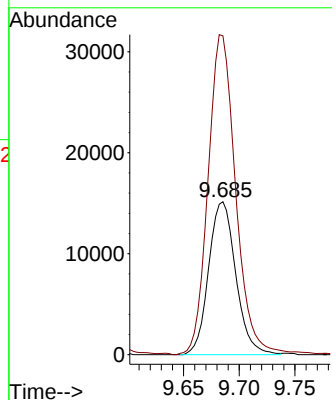
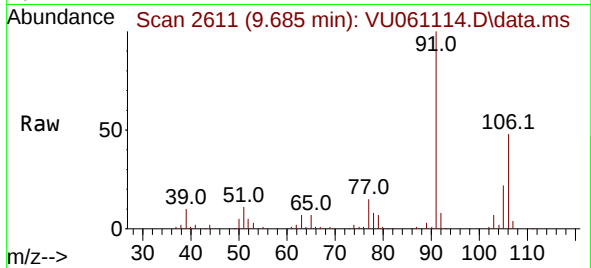
#53
m,p-Xylene
Concen: 1.353 ug/L
RT: 9.685 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Instrument :
MSVOA_U
ClientSampleId :
E27G7

Tgt Ion:106 Resp: 2568
Ion Ratio Lower Upper
106 100
91 208.4 139.7 259.4

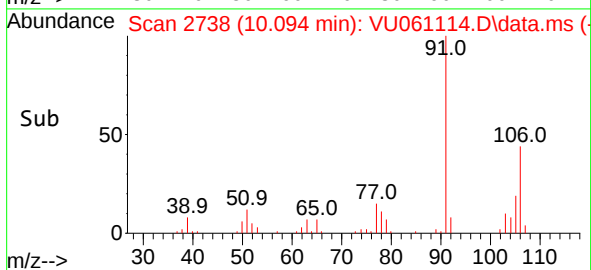
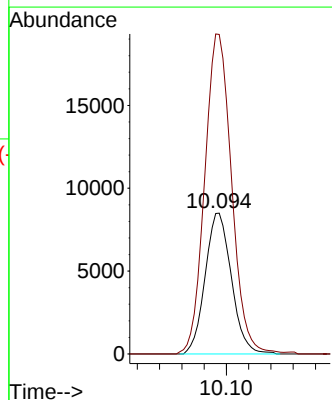
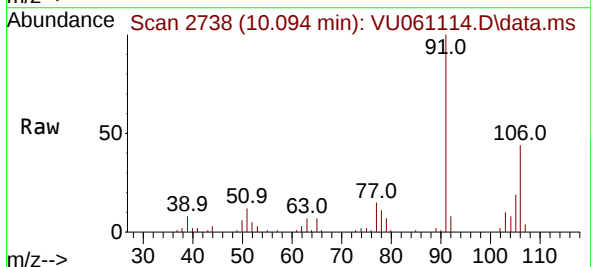
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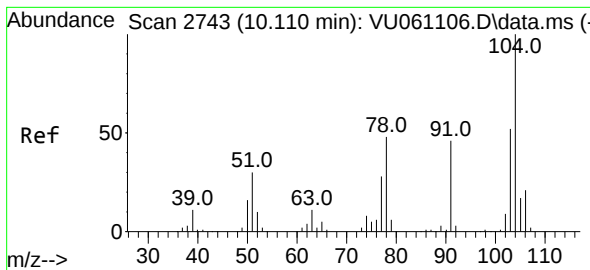
Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024



#54
o-Xylene
Concen: 0.744 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Tgt Ion:106 Resp: 13901
Ion Ratio Lower Upper
106 100
91 226.9 148.6 276.0





#55

Styrene

Concen: 0.258 ug/L

RT: 10.110 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU061114.D

Acq: 11 Oct 2024 13:25

Instrument :

MSVOA_U

ClientSampleId :

E27G7

Tgt Ion:104 Resp: 778

Ion Ratio Lower Upper

104 100

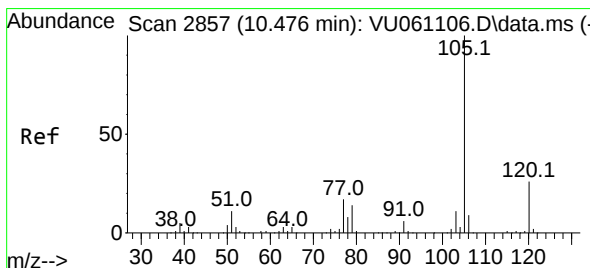
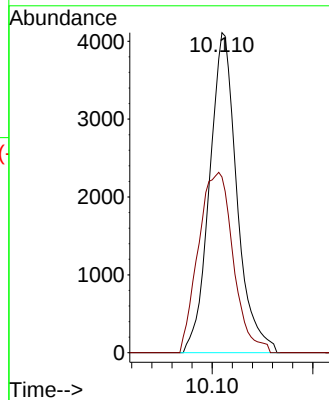
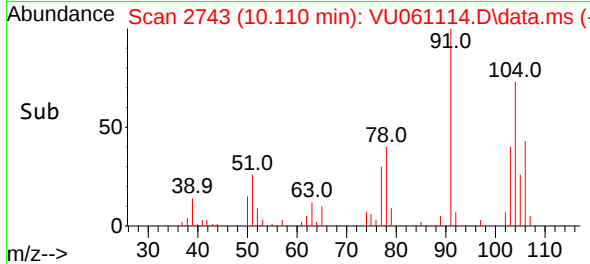
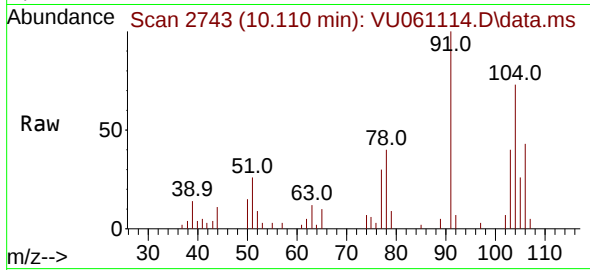
78 54.9 31.7 58.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 10/14/2024

Supervised By :Semsettin Yesilyurt 10/14/2024



#60

Isopropylbenzene

Concen: 0.104 ug/L m

RT: 10.476 min Scan# 2857

Delta R.T. 0.000 min

Lab File: VU061114.D

Acq: 11 Oct 2024 13:25

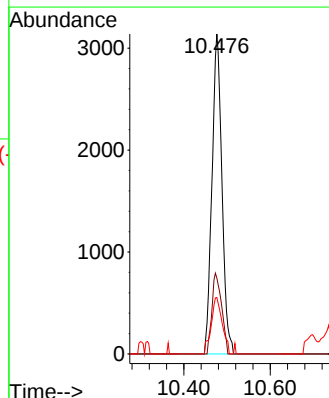
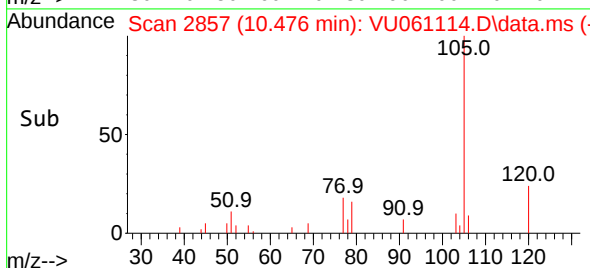
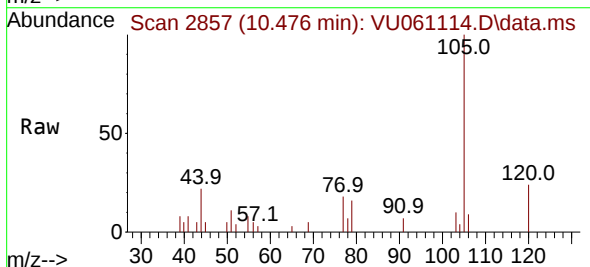
Tgt Ion:105 Resp: 5015

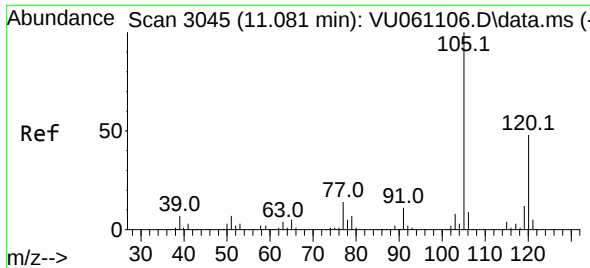
Ion Ratio Lower Upper

105 100

120 287.8 21.5 32.3#

77 128.0 12.6 18.8#





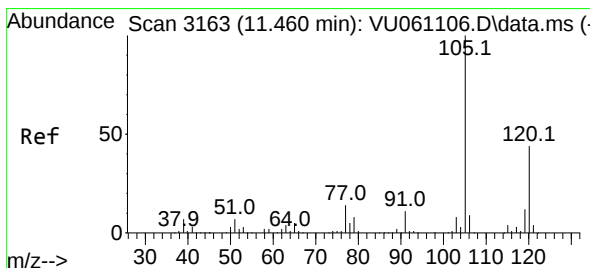
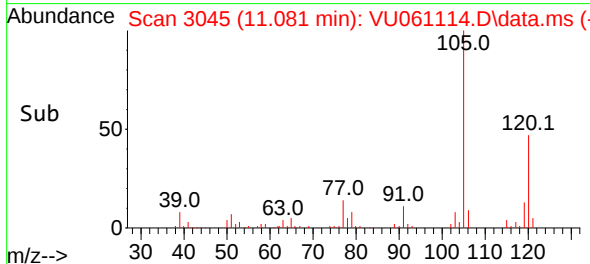
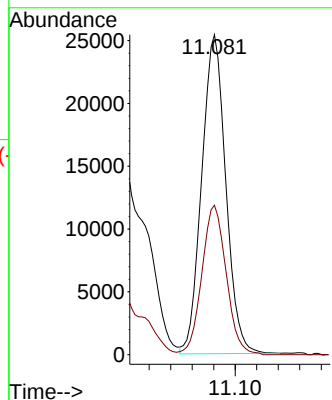
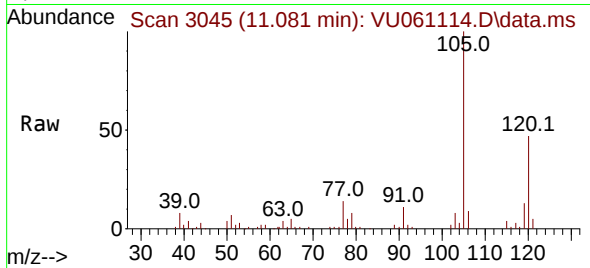
#62
1,3,5-Trimethylbenzene
Concen: 0.926 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Instrument :
MSVOA_U
ClientSampleId :
E27G7

Tgt Ion:105 Resp: 3939
Ion Ratio Lower Upper
105 100
120 47.5 38.5 57.7

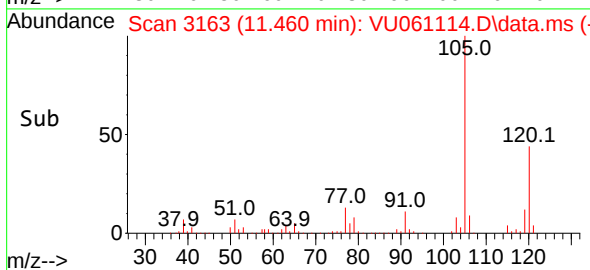
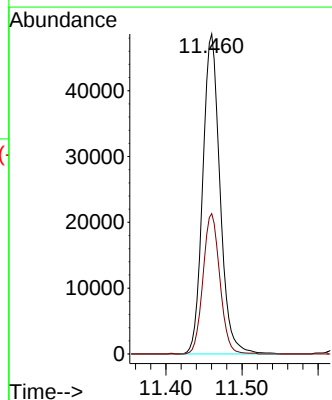
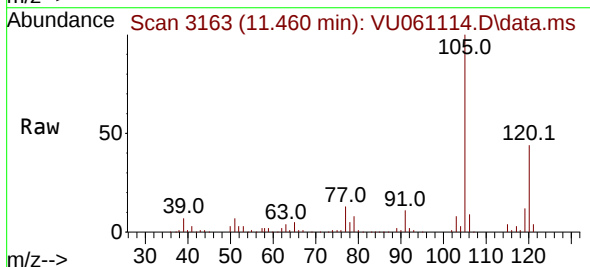
Manual Integrations
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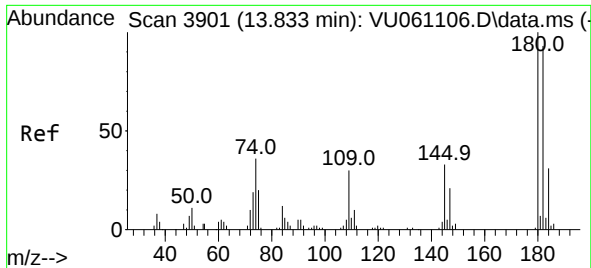
Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024



#63
1,2,4-Trimethylbenzene
Concen: 1.783 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

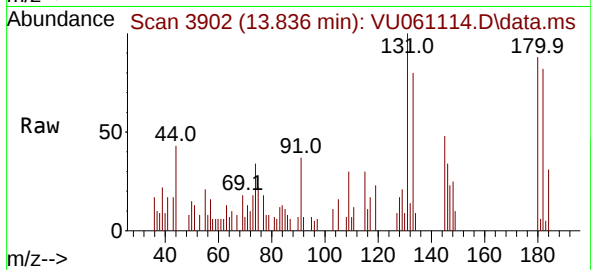
Tgt Ion:105 Resp: 76553
Ion Ratio Lower Upper
105 100
120 42.9 36.1 54.1





#70
1,2,4-trichlorobenzene
Concen: 0.274 ug/L
RT: 13.836 min Scan# 3901
Delta R.T. 0.000 min
Lab File: VU061114.D
Acq: 11 Oct 2024 13:25

Instrument :
MSVOA_U
ClientSampleId :
E27G7



Tgt Ion:180 Resp: 3050
Ion Ratio Lower Upper
180 100
182 93.9 77.4 116.2
145 54.1 22.9 34.3

Manual Integrations
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Reviewed By :Mahesh Dadoda 10/14/2024
Supervised By :Semsettin Yesilyurt 10/14/2024

