

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052424\
 Data File : VU058961.D
 Acq On : 23 May 2024 20:22
 Operator : MD/SY
 Sample : P2566-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHHS7

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024
 Supervised By :Mahesh Dadoda 05/27/2024

Quant Time: May 24 07:07:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 24 06:52:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.251	114	2333m	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.421	117	4156	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	5260	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	2067	83.770	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	167.540%#
7) Chloroethane-d5	1.907	69	731	35.647	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.300%
11) 1,1-Dichloroethene-d2	2.566	63	2895	76.794	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	153.580%#
21) 2-Butanone-d5	0.000	46	0	0.000	ug/L	
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.000%#
24) Chloroform-d	5.062	84	1140	26.935	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	53.880%#
26) 1,2-Dichloroethane-d4	5.701	65	957m	36.973	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.940%
32) Benzene-d6	5.734	84	2324	16.402	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	32.800%#
36) 1,2-Dichloropropane-d6	0.000	67	0d	0.000	ug/L	
Spiked Amount	50.000	Range	70 - 120	Recovery	=	0.000%#
41) Toluene-d8	7.901	98	3625	28.543	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	57.080%#
43) trans-1,3-Dichloroprop...	8.187	79	1027	48.873	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.740%
47) 2-Hexanone-d5	8.647	63	184m	9.507	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	9.510%#
56) 1,1,2,2-Tetrachloroeth...	10.749	84	1168	16.590	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	33.180%#
66) 1,2-Dichlorobenzene-d4	12.190	152	3425	31.557	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	63.120%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	705	42.150	ug/L	99
5) Vinyl chloride	1.602	62	10420	533.494	ug/L	93
12) 1,1-Dichloroethene	2.570	96	540m	37.362	ug/L	
13) Acetone	2.634	43	11276	754.561	ug/L	96
16) Methylene chloride	3.036	84	1388	60.204	ug/L	87
20) cis-1,2-Dichloroethene	4.660	96	42068	2188.850	ug/L	94
25) Chloroform	5.081	83	2103m	53.852	ug/L	
30) 1,1,1-Trichloroethane	5.319	97	1030m	20.649	ug/L	
31) Carbon tetrachloride	5.518	117	4322	107.274	ug/L	100
33) Benzene	5.782	78	2293m	18.352	ug/L	
34) Trichloroethene	6.531	95	36842668m	1111006.739	ug/L	
42) Toluene	7.968	91	5999	44.792	ug/L	100
45) 1,1,2-Trichloroethane	8.396	97	2775m	69.221	ug/L	
46) Tetrachloroethene	8.547	164	76804	3473.646	ug/L	97
52) Ethylbenzene	9.566	91	18255	125.950	ug/L	96
53) m,p-Xylene	9.688	106	16232	311.782	ug/L	88
54) o-Xylene	10.097	106	10355	198.722	ug/L	89
61) Isopropylbenzene	10.479	105	9383	27.935	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	63736	240.858	ug/L	95

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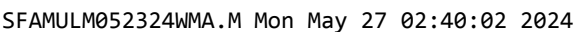
Quant Time: May 24 07:07:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 06:52:32 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.463	105	178278	668.036	ug/L	99

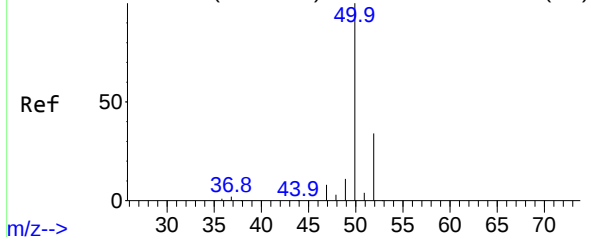
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052324WMA.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 06:52:32 2024
Response via : Initial Calibration



Abundance Scan 71 (1.518 min): VU058945.D\data.ms (-63)



#3

Chloromethane

Concen: 42.150 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.003 min

Lab File: VU058961.D

Acq: 23 May 2024 20:22

Instrument :

MSVOA_U

ClientSampleId :

BHHS7

Tgt Ion: 50 Resp: 70

Ion Ratio Lower Upper

50 100

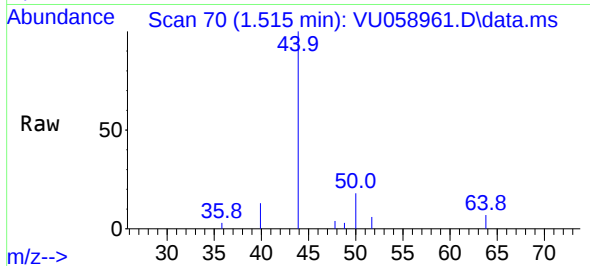
52 34.8 23.9 44.3

Manual Integrations

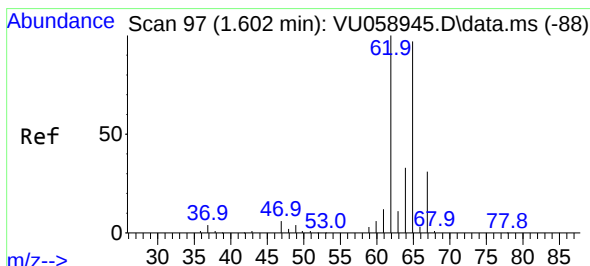
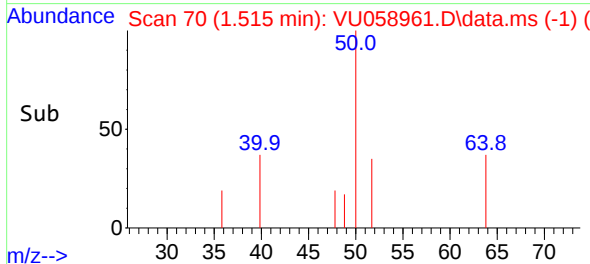
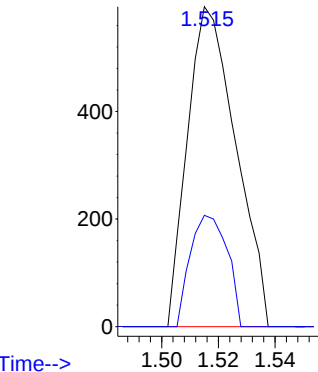
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Supervised By :Mahesh Dadoda 05/27/2024



Abundance



#5

Vinyl chloride

Concen: 533.494 ug/L

RT: 1.602 min Scan# 97

Delta R.T. -0.000 min

Lab File: VU058961.D

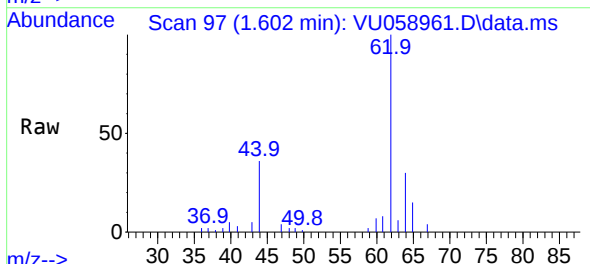
Acq: 23 May 2024 20:22

Tgt Ion: 62 Resp: 10420

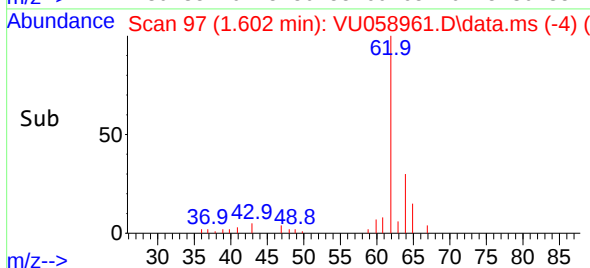
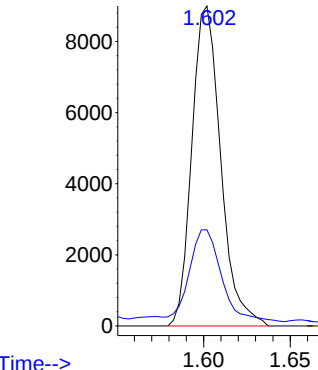
Ion Ratio Lower Upper

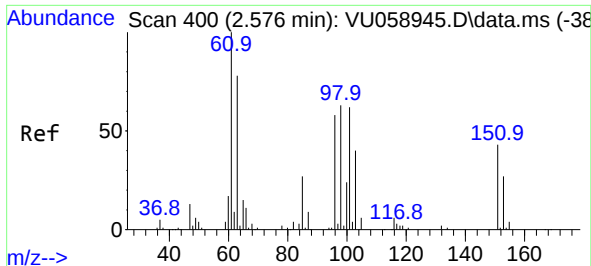
62 100

64 30.1 23.7 43.9



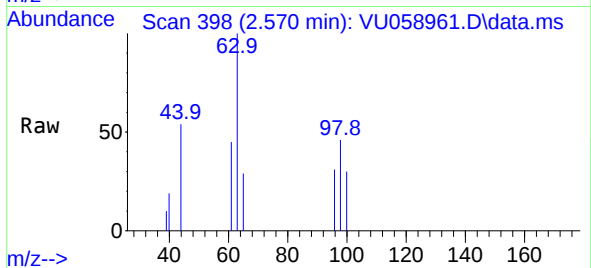
Abundance





#12
1,1-Dichloroethene
Concen: 37.362 ug/L m
RT: 2.570 min Scan# 398
Delta R.T. -0.006 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

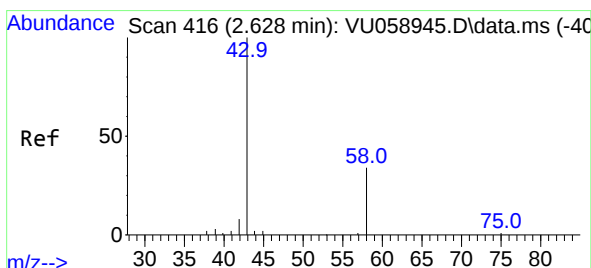
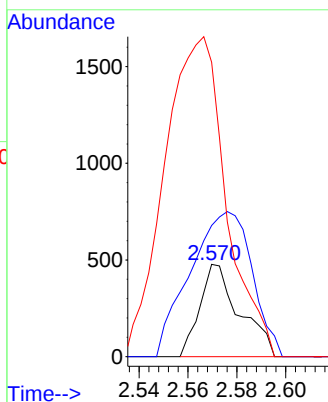
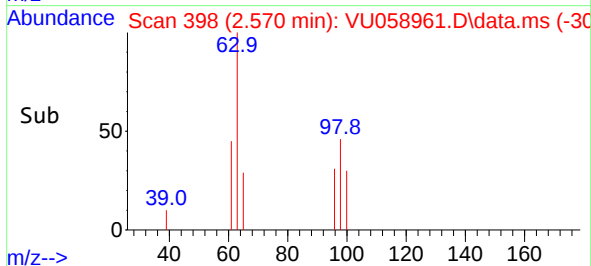
Instrument :
MSVOA_U
ClientSampleId :
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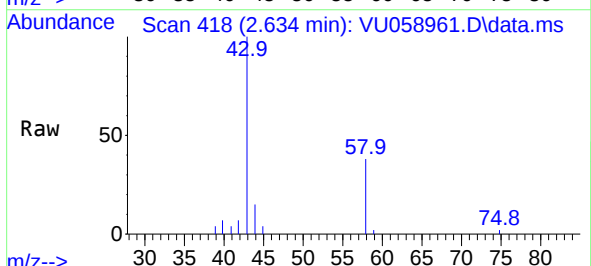
Tgt Ion: 96 Resp: 540
Ion Ratio Lower Upper
96 100
61 142.1 122.2 227.0
63 319.3 102.8 190.8

Manual Integrations
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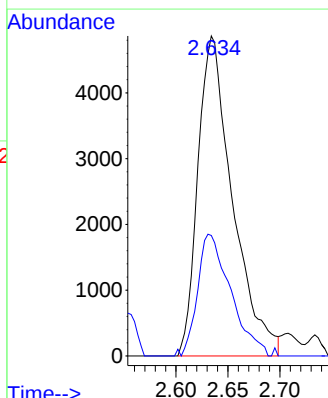
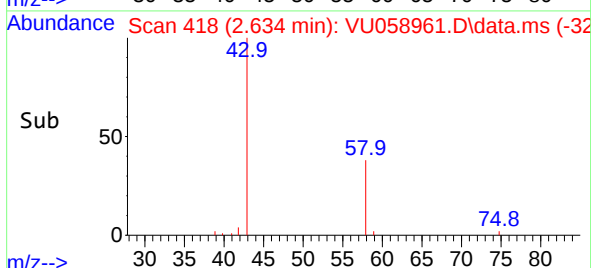
Reviewed By :Semsettin Yesilyurt 05/27/2024
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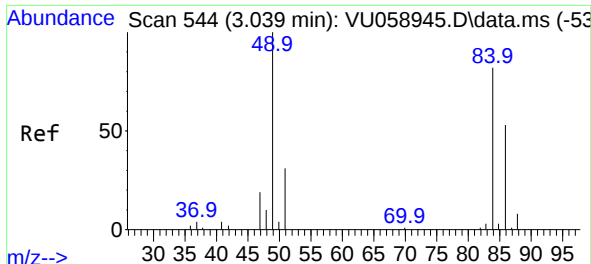


#13
Acetone
Concen: 754.561 ug/L
RT: 2.634 min Scan# 418
Delta R.T. 0.006 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22



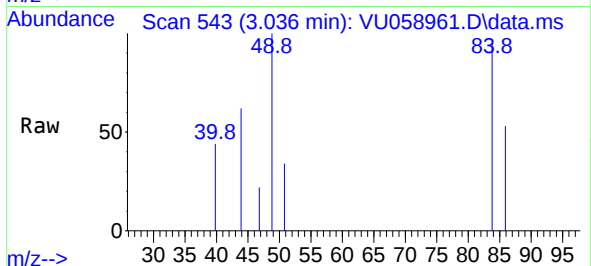
Tgt Ion: 43 Resp: 11276
Ion Ratio Lower Upper
43 100
58 36.2 0.0 67.2





#16
Methylene chloride
Concen: 60.204 ug/L
RT: 3.036 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

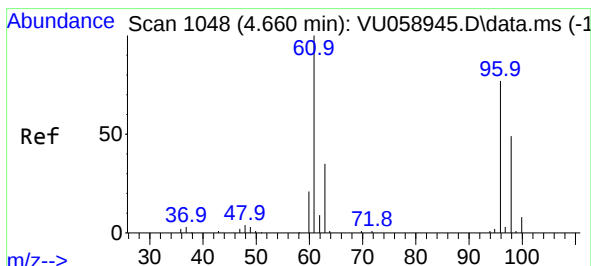
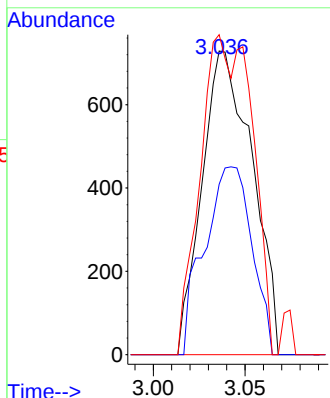
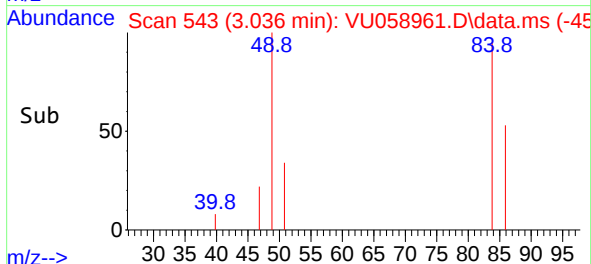
Instrument :
MSVOA_U
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BHHS7



Tgt Ion: 84 Resp: 138
Ion Ratio Lower Upper
84 100
86 56.1 44.9 83.5
49 105.3 85.4 158.6

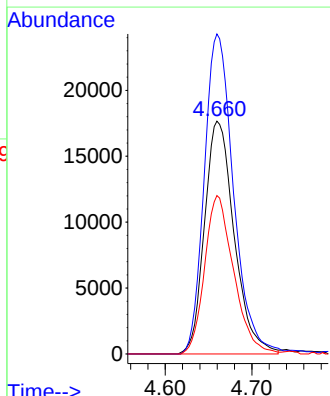
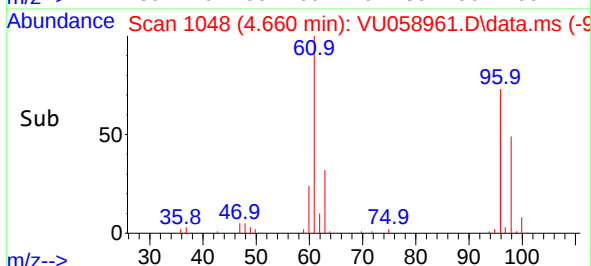
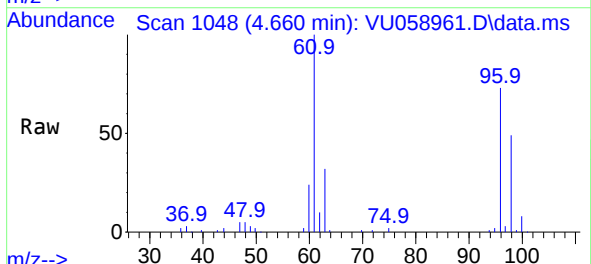
Manual Integrations
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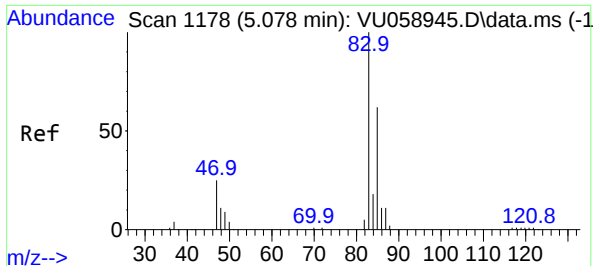
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#20
cis-1,2-Dichloroethene
Concen: 2188.850 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

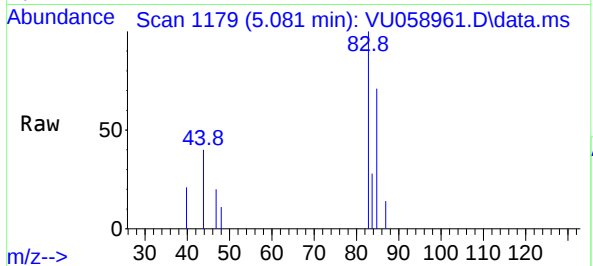
Tgt Ion: 96 Resp: 42068
Ion Ratio Lower Upper
96 100
61 137.5 91.1 169.3
98 68.0 44.4 82.4





#25
Chloroform
Concen: 53.852 ug/L m
RT: 5.081 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

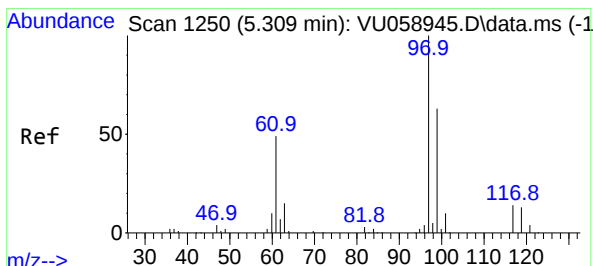
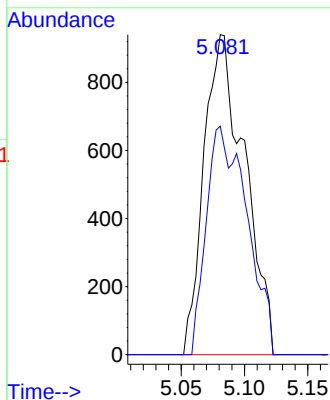
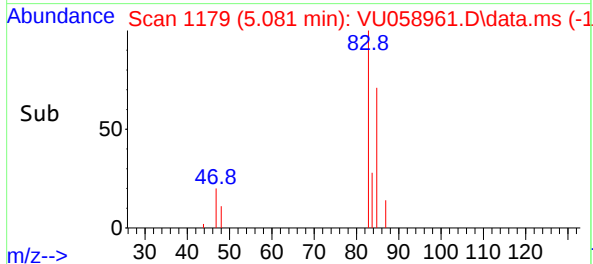
Instrument :
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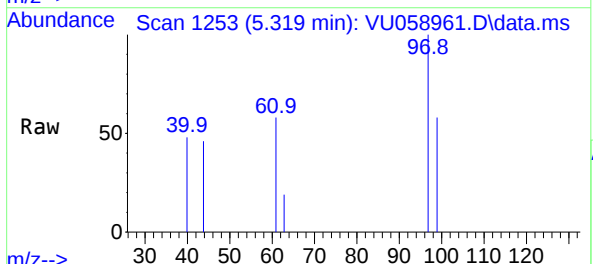
Tgt Ion: 83 Resp: 210
Ion Ratio Lower Upper
83 100
85 71.4 43.8 81.3

Manual Integrations
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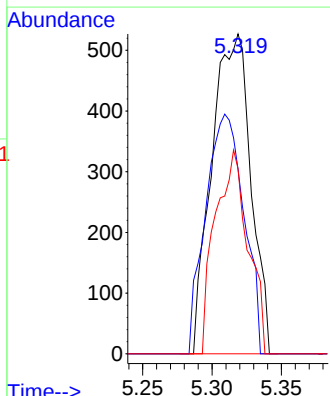
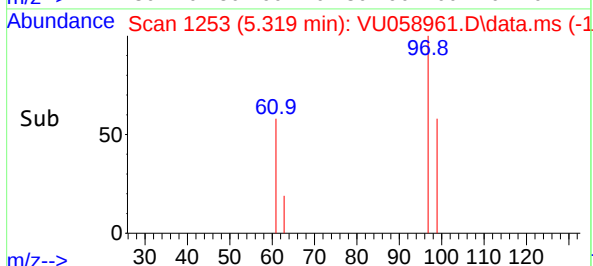
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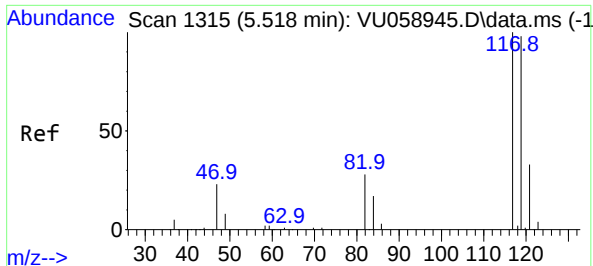


#30
1,1,1-Trichloroethane
Concen: 20.649 ug/L m
RT: 5.319 min Scan# 1253
Delta R.T. 0.010 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22



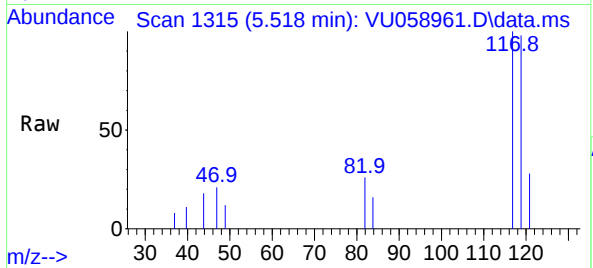
Tgt Ion: 97 Resp: 1030
Ion Ratio Lower Upper
97 100
99 73.7 51.8 77.8
61 53.2 38.9 58.3





#31
Carbon tetrachloride
Concen: 107.274 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

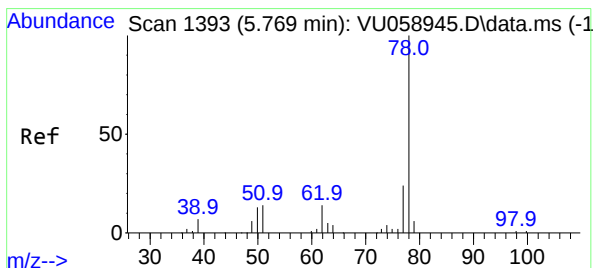
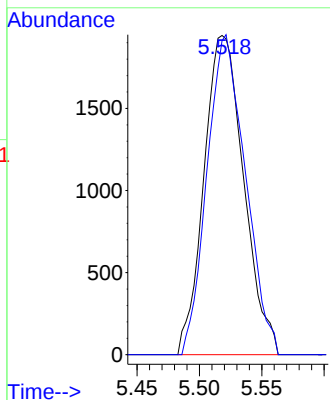
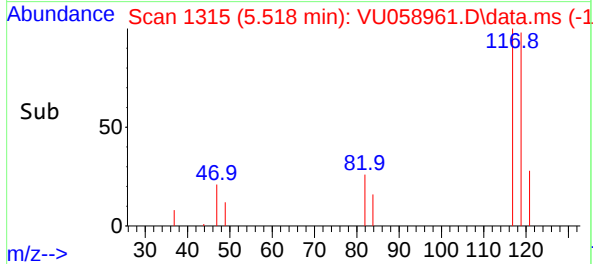
Instrument :
MSVOA_U
ClientSampleId :
BHHS7



Tgt Ion:117 Resp: 432
Ion Ratio Lower Upper
117 100
119 96.6 77.4 116.0

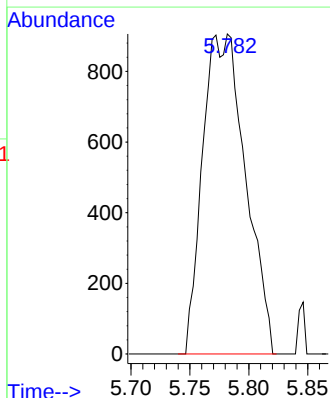
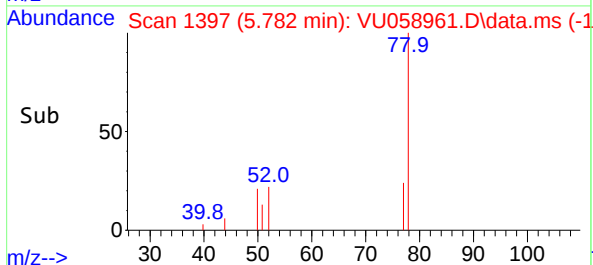
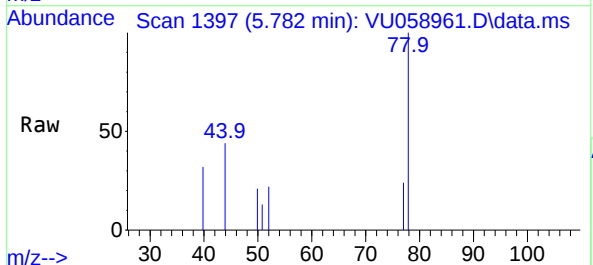
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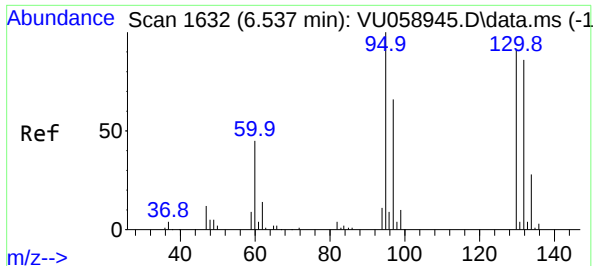
Reviewed By :Semsettin Yesilyurt 05/27/2024
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#33
Benzene
Concen: 18.352 ug/L m
RT: 5.782 min Scan# 1397
Delta R.T. 0.013 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

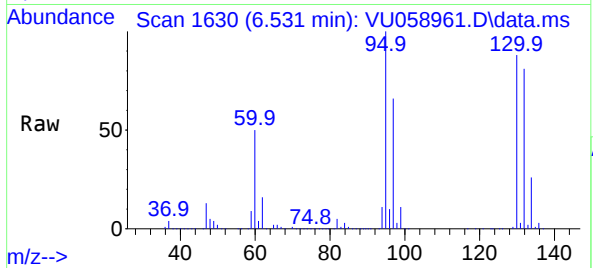
Tgt Ion: 78 Resp: 2293





#34
Trichloroethene
Concen: 1111006.739 ug/L m
RT: 6.531 min Scan# 1
Delta R.T. -0.007 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

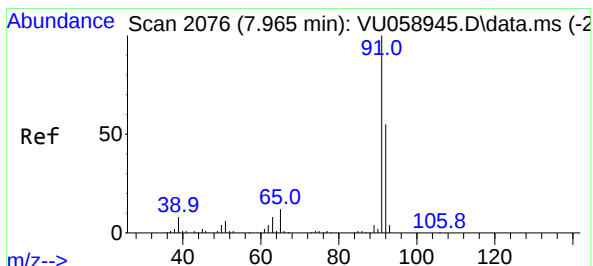
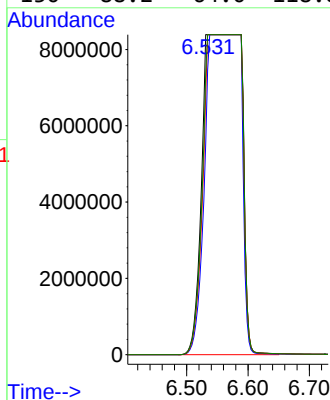
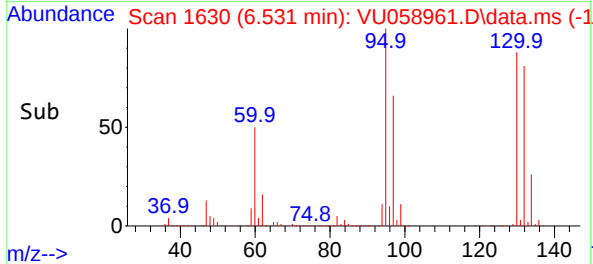
Instrument :
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ClientSampleId :
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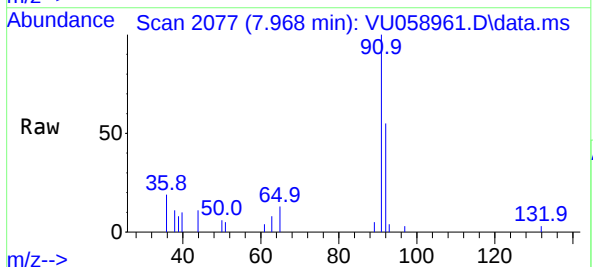
Tgt Ion: 95 Resp: 3684266
Ion Ratio Lower Upper
95 100
97 66.0 45.9 85.3
132 81.4 60.5 112.5
130 88.2 64.0 118.8

Manual Integrations
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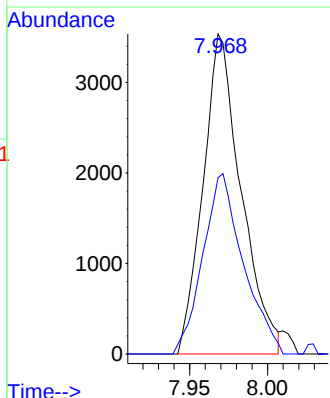
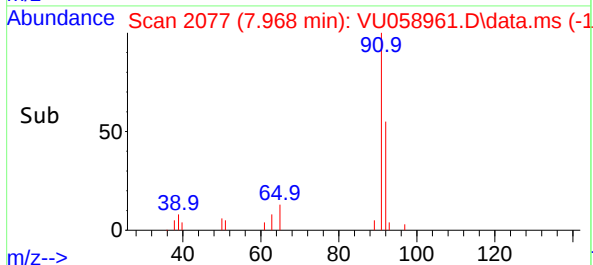
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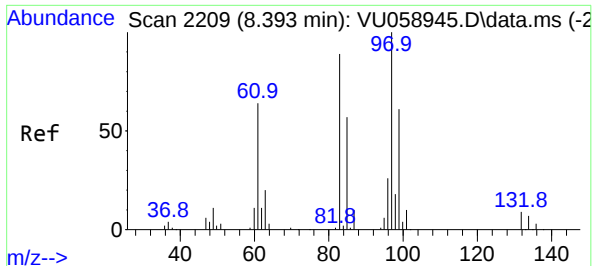


#42
Toluene
Concen: 44.792 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22



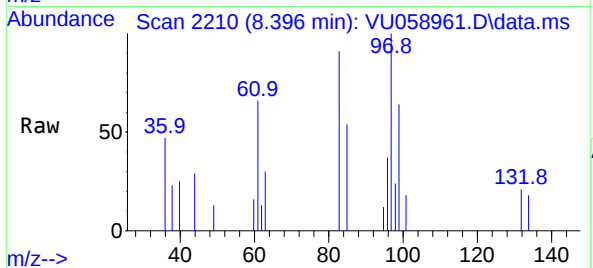
Tgt Ion: 91 Resp: 5999
Ion Ratio Lower Upper
91 100
92 55.1 38.7 71.9





#45
1,1,2-Trichloroethane
Concen: 69.221 ug/L m
RT: 8.396 min Scan# 2110
Delta R.T. 0.003 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

Instrument :
MSVOA_U
ClientSampleId :
BHHS7

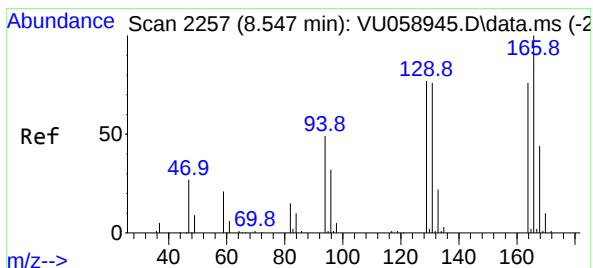
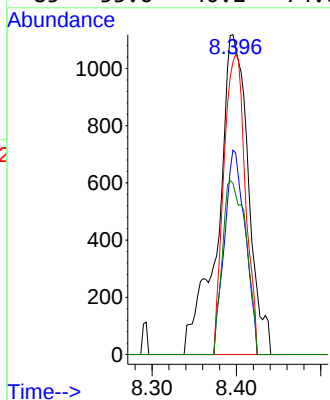
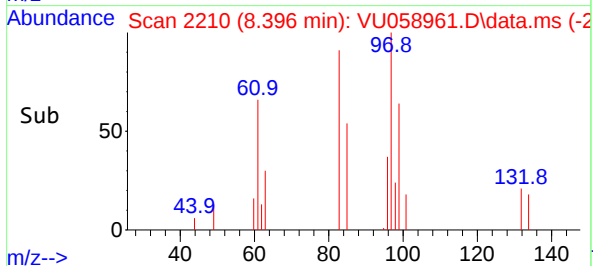


Tgt Ion: 97 Resp: 2775

Ion	Ratio	Lower	Upper
97	100		
99	63.9	42.6	79.2
83	91.4	62.2	115.6
85	53.6	40.2	74.6

Manual Integrations
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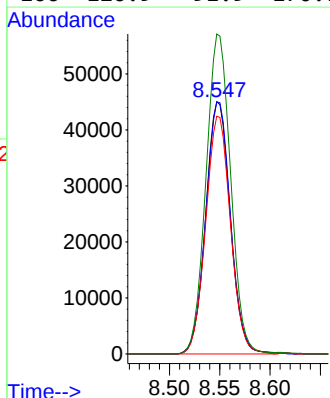
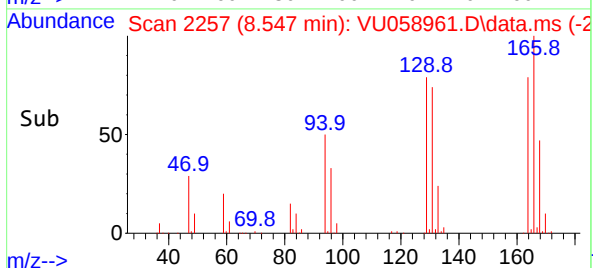
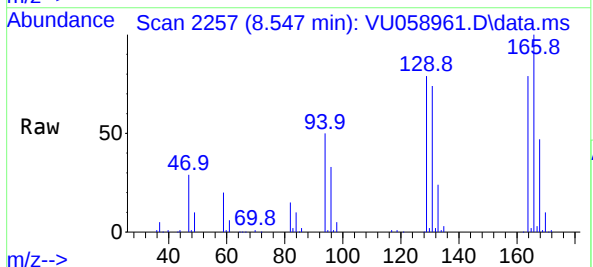
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024

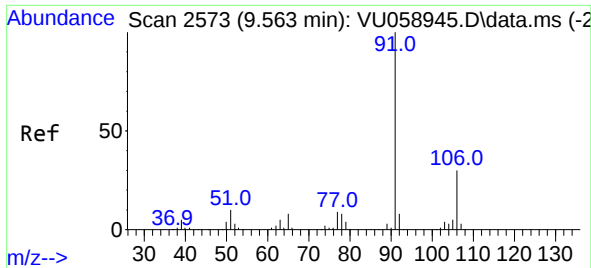


#46
Tetrachloroethene
Concen: 3473.646 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

Tgt Ion:164 Resp: 76804

Ion	Ratio	Lower	Upper
164	100		
129	100.0	70.6	131.0
131	94.3	69.2	128.6
166	126.9	91.9	170.7





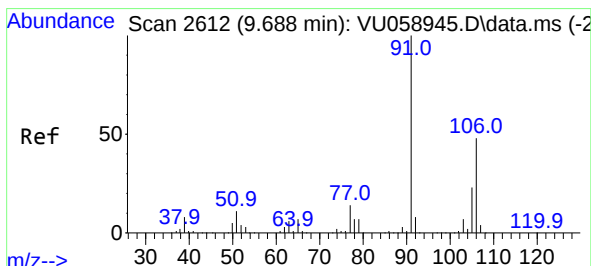
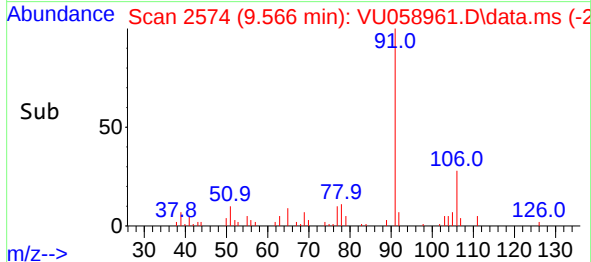
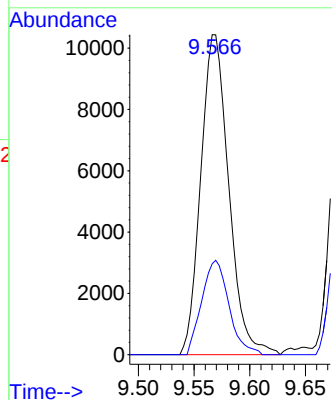
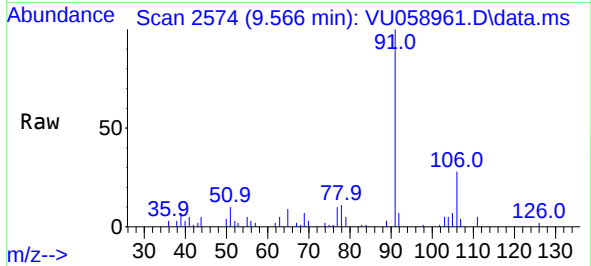
#52
Ethylbenzene
Concen: 125.950 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

Instrument :
MSVOA_U
ClientSampleId :
BHHS7

Tgt Ion: 91 Resp: 1825
Ion Ratio Lower Upper
91 100
106 32.0 20.8 38.6

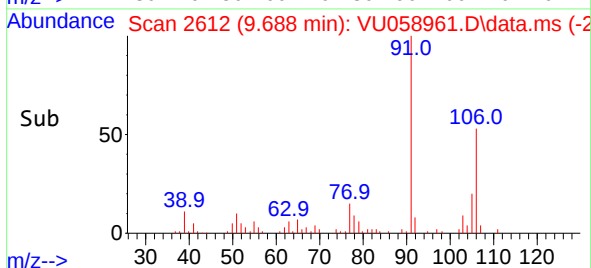
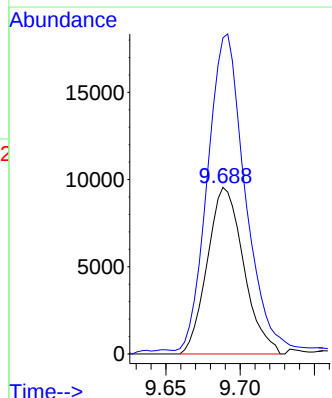
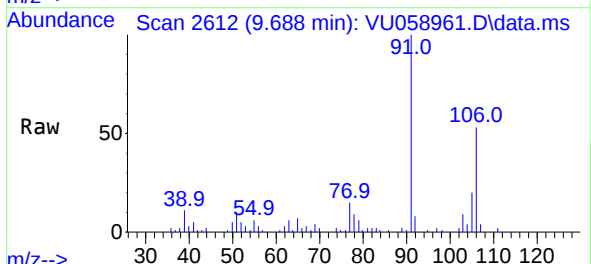
Manual Integrations
APPROVED

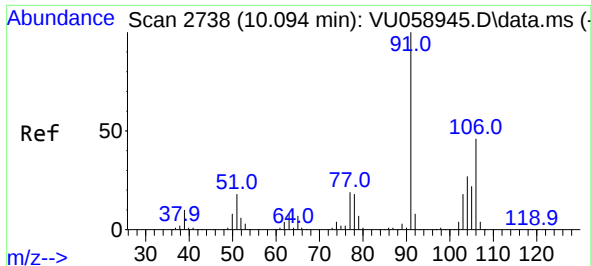
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#53
m,p-Xylene
Concen: 311.782 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

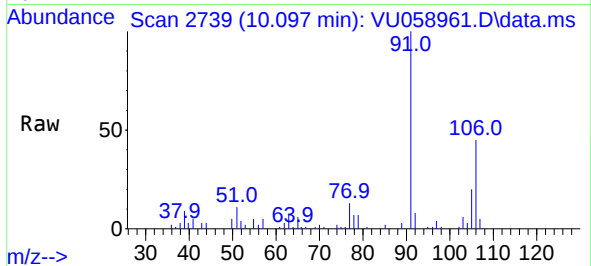
Tgt Ion:106 Resp: 16232
Ion Ratio Lower Upper
106 100
91 189.9 145.7 270.7





#54
o-Xylene
Concen: 198.722 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

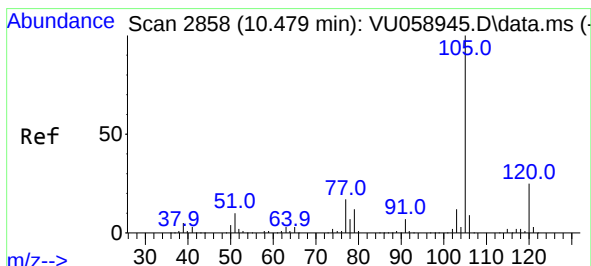
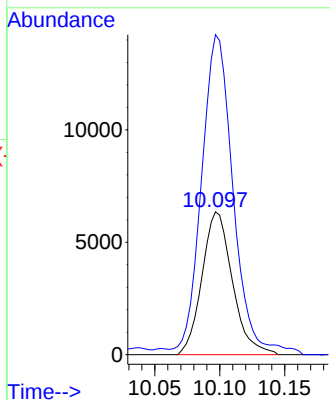
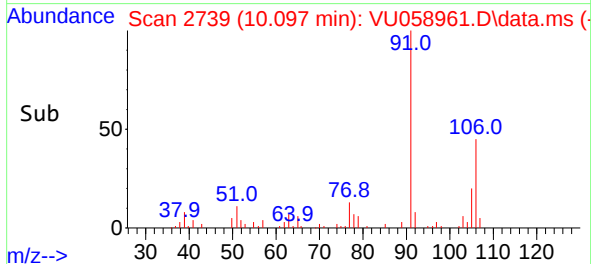
Instrument :
MSVOA_U
ClientSampleId :
BHHS7



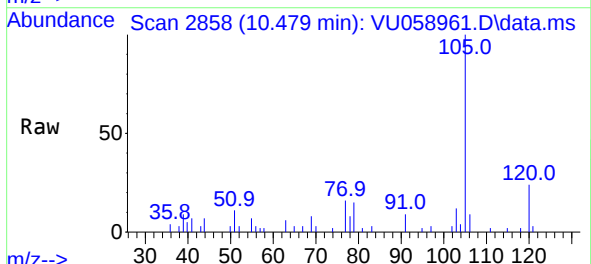
Tgt Ion:106 Resp: 1035
Ion Ratio Lower Upper
106 100
91 201.8 154.0 286.0

Manual Integrations
APPROVED

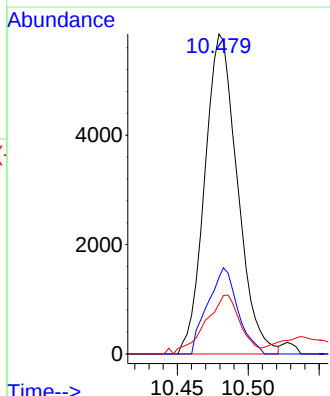
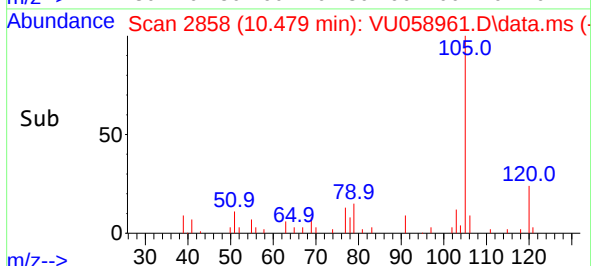
Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024

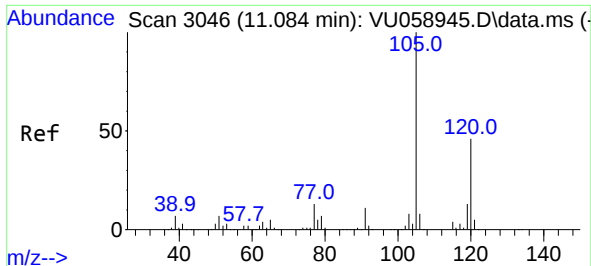


#61
Isopropylbenzene
Concen: 27.935 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22



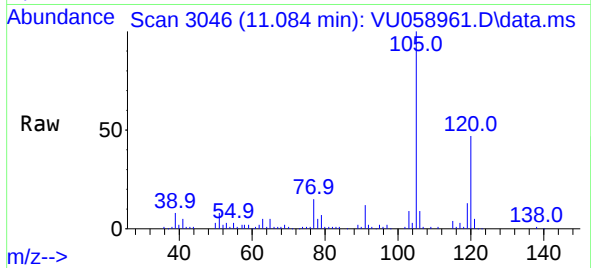
Tgt Ion:105 Resp: 9383
Ion Ratio Lower Upper
105 100
120 24.7 20.0 30.0
77 19.4 13.4 20.0





#62
1,3,5-Trimethylbenzene
Concen: 240.858 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

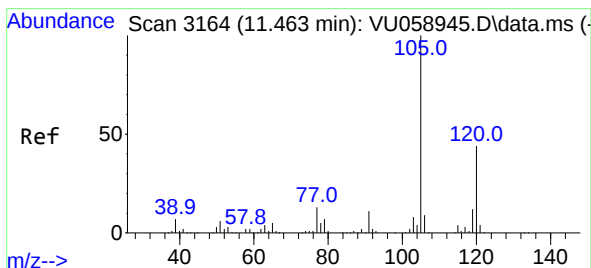
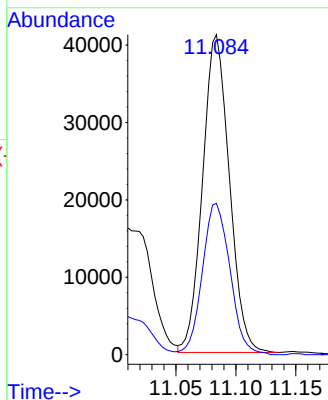
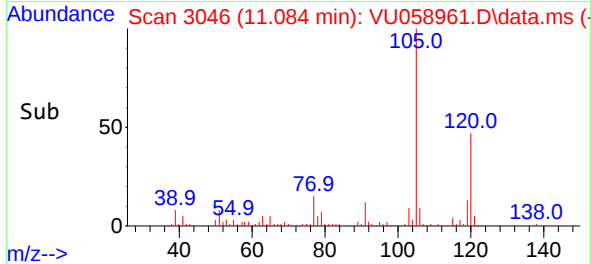
Instrument :
MSVOA_U
ClientSampleId :
BHHS7



Tgt Ion:105 Resp: 63730
Ion Ratio Lower Upper
105 100
120 49.3 36.9 55.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/27/2024
Supervised By :Mahesh Dadoda 05/27/2024



#63
1,2,4-Trimethylbenzene
Concen: 668.036 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU058961.D
Acq: 23 May 2024 20:22

Tgt Ion:105 Resp: 178278
Ion Ratio Lower Upper
105 100
120 43.4 35.3 52.9

