

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072224\
 Data File : VU060103.D
 Acq On : 22 Jul 2024 19:34
 Operator : MD/SY
 Sample : P3325-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B34

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024
 Supervised By :Semsettin Yesilyurt 07/24/2024

Quant Time: Jul 23 08:20:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jul 23 07:21:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	128783	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	135837	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	69320	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	31319	3.495	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.000%
7) Chloroethane-d5	1.908	69	33008	3.965	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.400%
11) 1,1-Dichloroethene-d2	2.560	65	13141	3.756	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.200%
20) 2-Butanone-d5	4.621	46	107809	51.464	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.920%
24) Chloroform-d	5.055	84	82517	4.382	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	5.695	65	38795	4.424	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
32) Benzene-d6	5.721	84	142474	3.915	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.200%
36) 1,2-Dichloropropane-d6	6.685	67	48642	4.194	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.800%
41) Toluene-d8	7.894	98	114806	3.491	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.800%#
43) trans-1,3-Dichloroprop...	8.177	79	15063	3.816	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.400%
46) 2-Hexanone-d5	8.627	63	87019	49.675	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.340%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	48681	4.716	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	55059	4.400	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	5749	0.436	ug/L #	80
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	30016	2.766	ug/L	99
12) 1,1-Dichloroethene	2.573	96	155163	15.785	ug/L #	78
13) Acetone	2.631	43	7263	5.241	ug/L	94
16) Methylene chloride	3.036	84	1419333	117.767	ug/L	98
17) Methyl tert-butyl Ether	3.358	73	5480	0.244	ug/L #	92
18) trans-1,2-Dichloroethene	3.351	96	3573	0.349	ug/L	89
19) 1,1-Dichloroethane	3.862	63	44511	2.293	ug/L	97
22) cis-1,2-Dichloroethene	4.657	96	501979	43.831	ug/L	99
25) Chloroform	5.078	83	146429	6.858	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	13718	0.809	ug/L	97
31) Carbon tetrachloride	5.518	117	23991	1.639	ug/L	100
33) Benzene	5.776	78	6530	0.146	ug/L	100
34) Trichloroethene	6.534	95	18180792m	1527.638	ug/L	
38) Bromodichloromethane	7.100	83	3378	0.222	ug/L #	86
42) Toluene	7.965	91	42653	0.893	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	4100	0.443	ug/L	90
47) Tetrachloroethene	8.547	164	457994	46.542	ug/L	99
52) Ethylbenzene	9.566	91	138874	2.916	ug/L	100

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jul 23 07:21:00 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.689	106	236510	12.855	ug/L	98
54) o-Xylene	10.094	106	119519	6.793	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	17460	0.504	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	54449	1.627	ug/L	100
67) 1,2-Dichlorobenzene	12.209	146	24462	1.048	ug/L	95

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

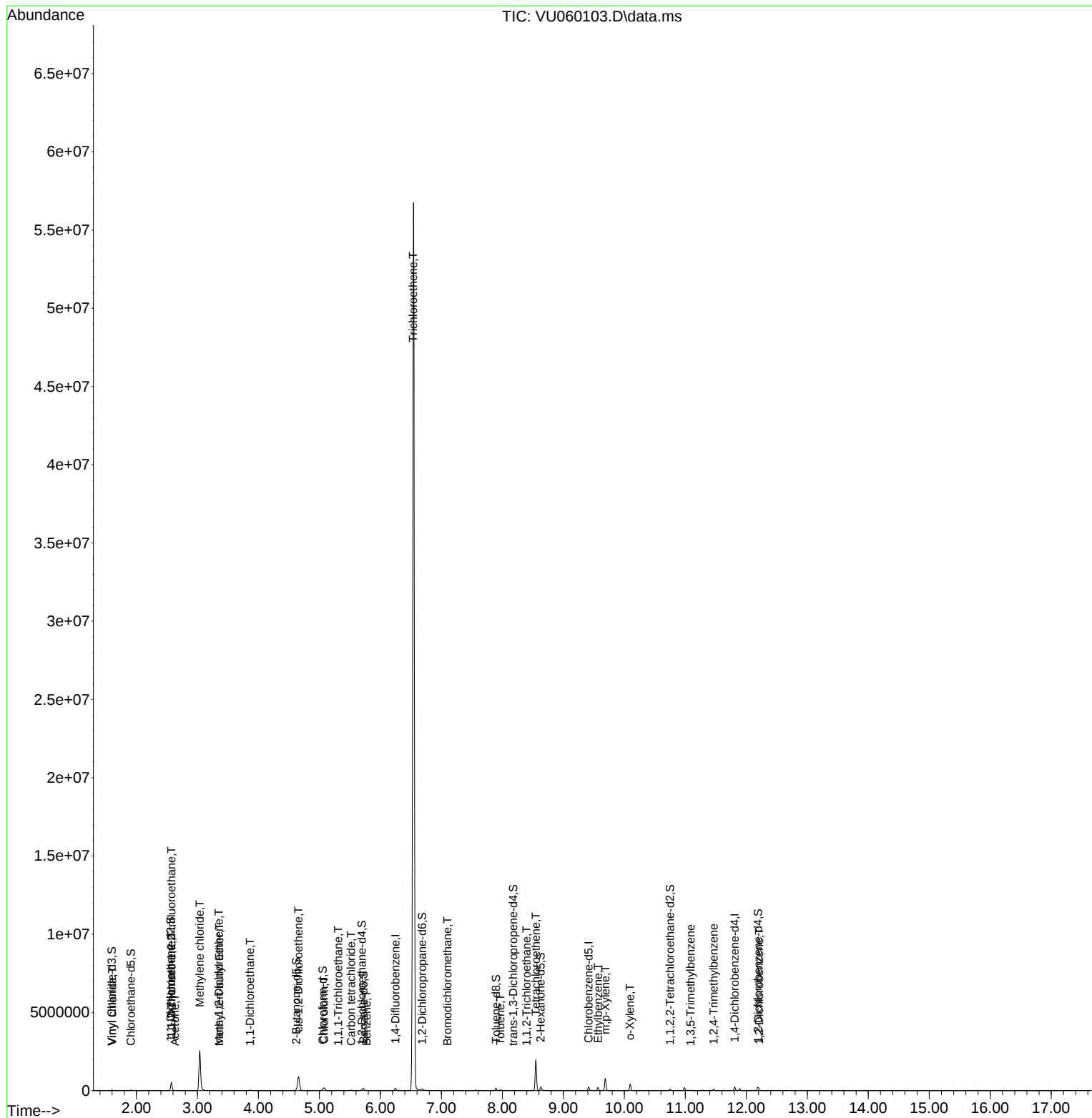
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072224\
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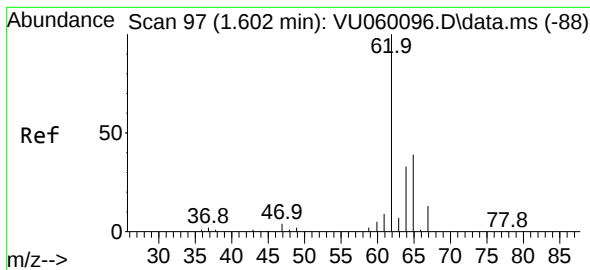
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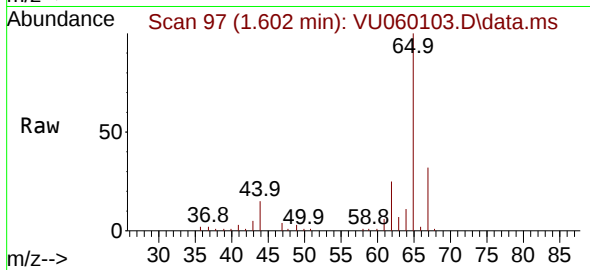
Quant Time: Jul 23 08:20:35 2024
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#5
 Vinyl chloride
 Concen: 0.436 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VU060103.D
 Acq: 22 Jul 2024 19:34

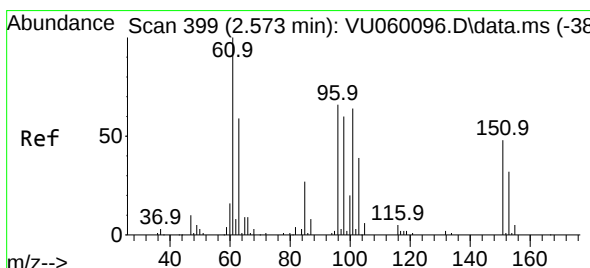
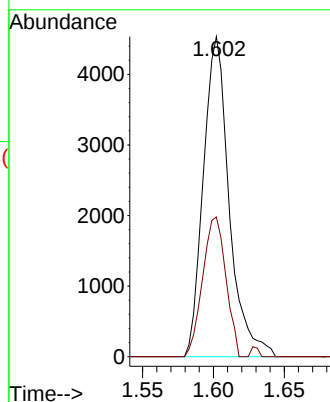
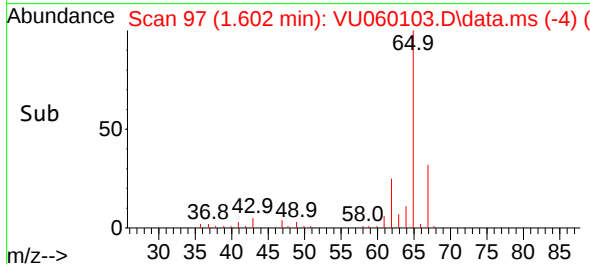
Instrument :
 MSVOA_U
 ClientSampleId :
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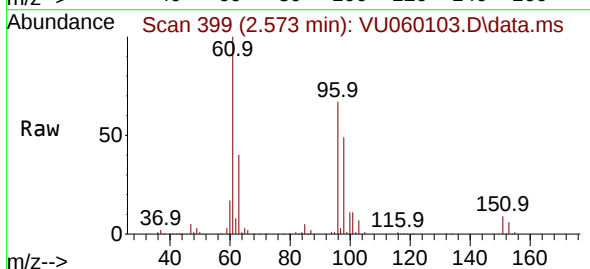
Tgt Ion: 62 Resp: 5749
 Ion Ratio Lower Upper
 62 100
 64 43.6 22.8 42.4

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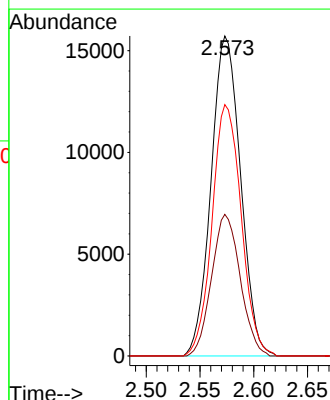
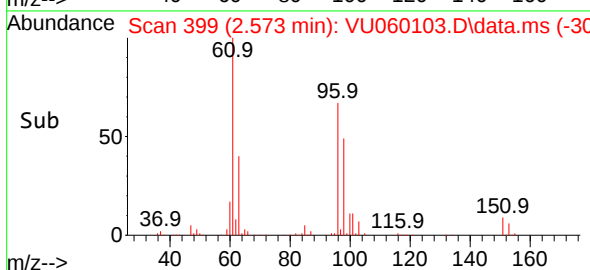
Reviewed By :Mahesh Dadoda 07/24/2024
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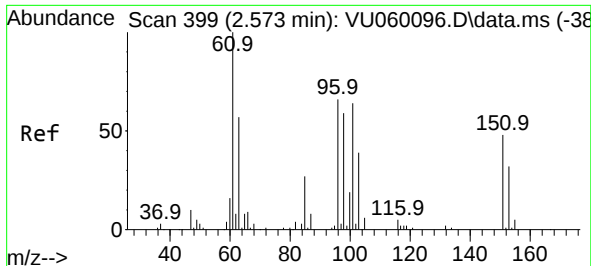


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.766 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.000 min
 Lab File: VU060103.D
 Acq: 22 Jul 2024 19:34



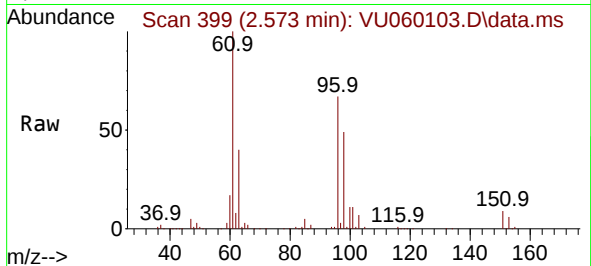
Tgt Ion:101 Resp: 30016
 Ion Ratio Lower Upper
 101 100
 85 42.9 33.2 49.8
 151 77.5 61.8 92.8





#12
1,1-Dichloroethene
Concen: 15.785 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

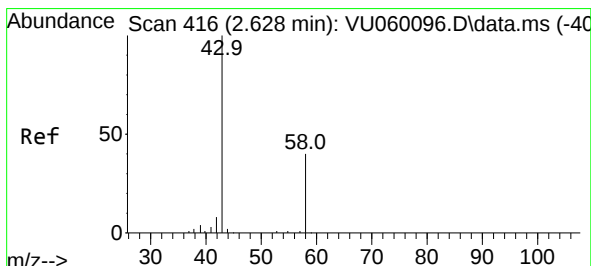
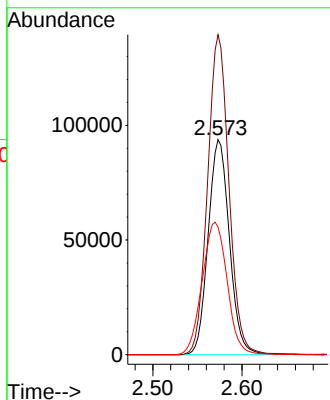
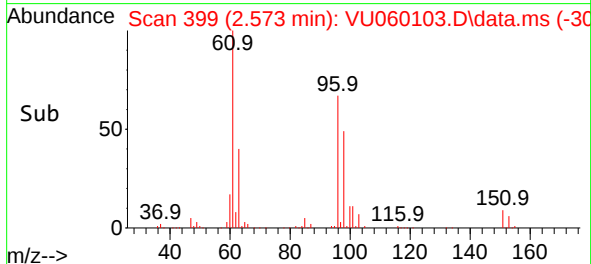
Instrument :
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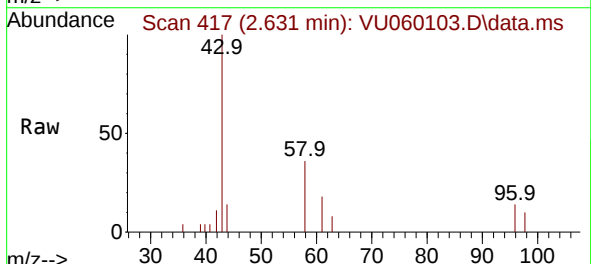
Tgt Ion: 96 Resp: 15516
Ion Ratio Lower Upper
96 100
61 148.8 107.0 198.6
63 59.3 76.4 142.0

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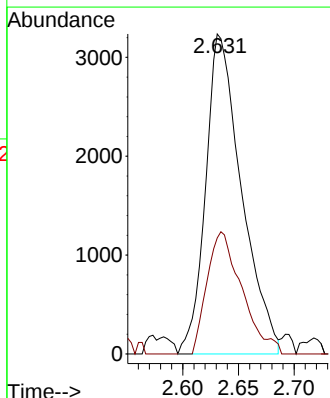
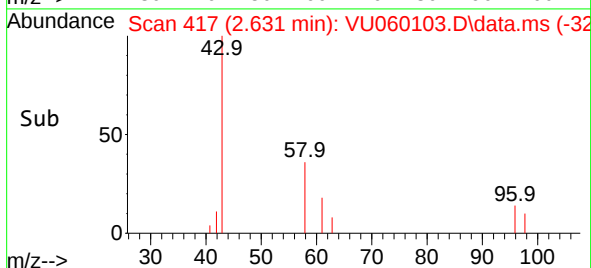
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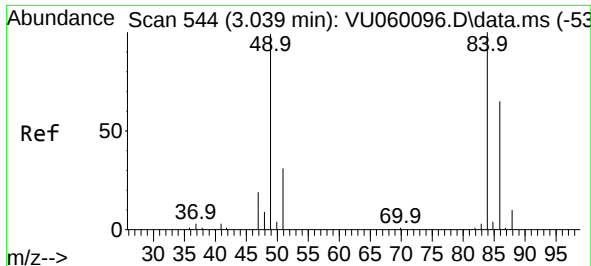


#13
Acetone
Concen: 5.241 ug/L
RT: 2.631 min Scan# 417
Delta R.T. 0.003 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34



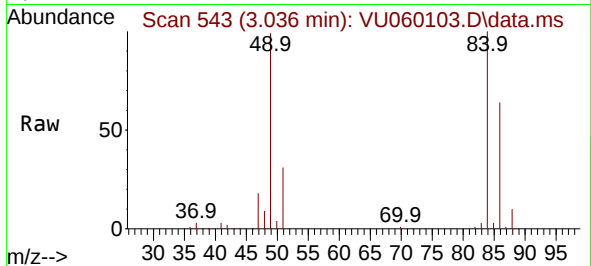
Tgt Ion: 43 Resp: 7263
Ion Ratio Lower Upper
43 100
58 37.1 0.0 82.2





#16
Methylene chloride
Concen: 117.767 ug/L
RT: 3.036 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

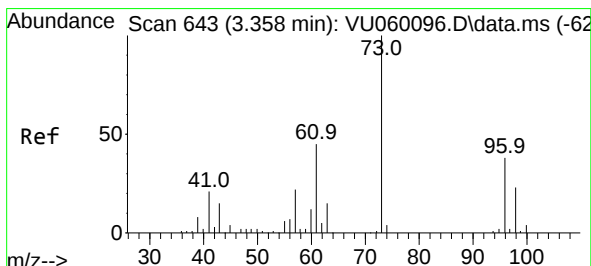
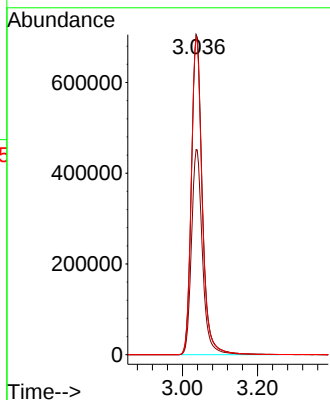
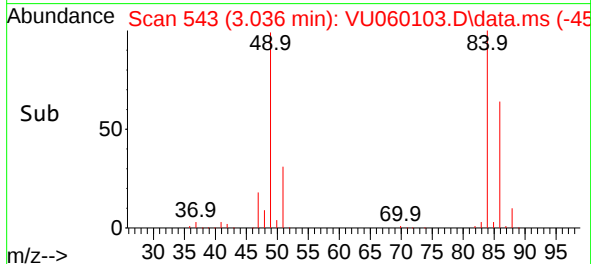
Instrument :
MSVOA_U
ClientSampleId :
C0B34



Tgt Ion: 84 Resp: 141933
Ion Ratio Lower Upper
84 100
86 64.1 44.4 82.5
49 99.4 72.0 133.6

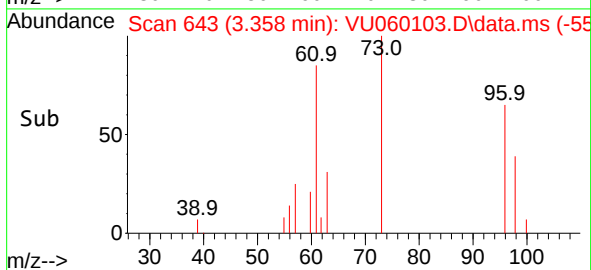
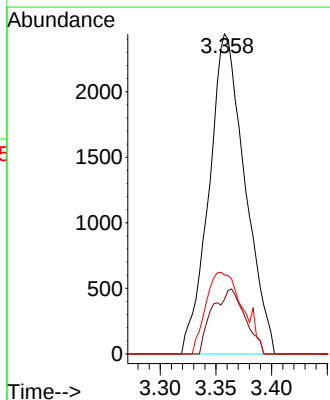
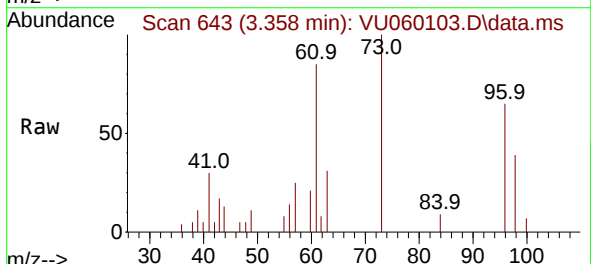
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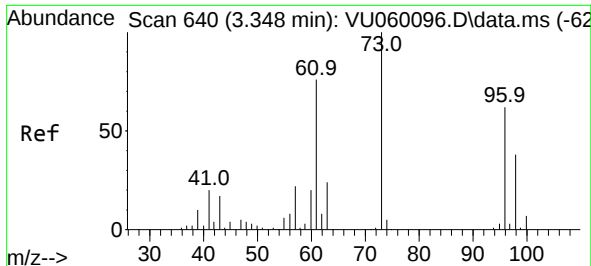
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#17
Methyl tert-butyl Ether
Concen: 0.244 ug/L
RT: 3.358 min Scan# 643
Delta R.T. 0.000 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

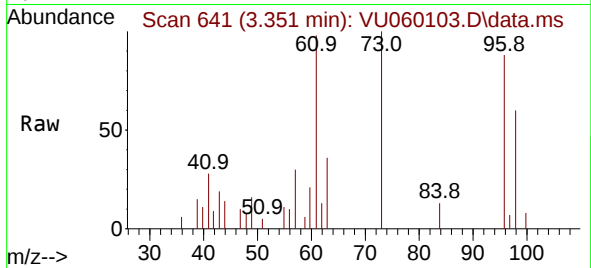
Tgt Ion: 73 Resp: 5480
Ion Ratio Lower Upper
73 100
43 18.5 13.1 19.7
57 26.2 17.0 25.4#





#18
trans-1,2-Dichloroethene
Concen: 0.349 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

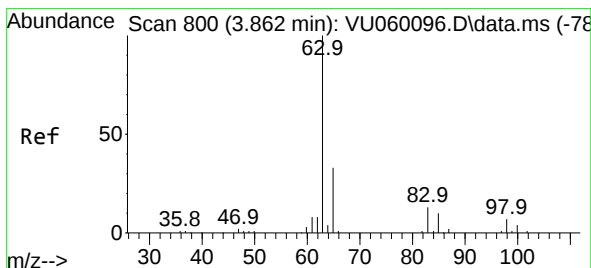
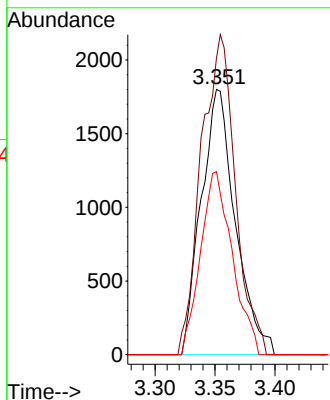
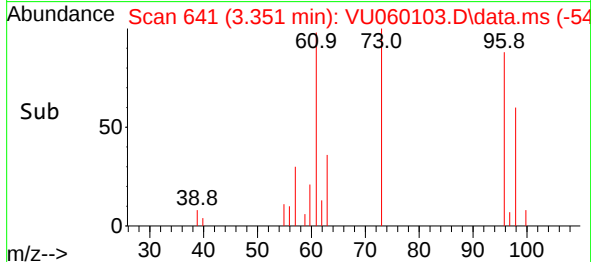
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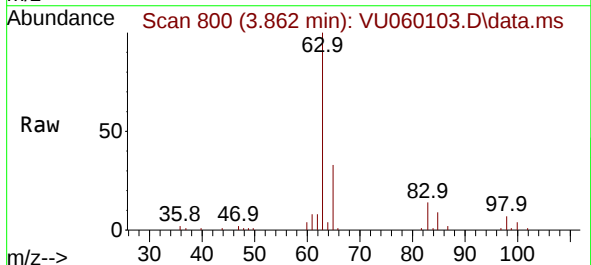
Tgt Ion: 96 Resp: 357
Ion Ratio Lower Upper
96 100
61 111.7 91.6 170.0
98 69.0 47.7 88.5

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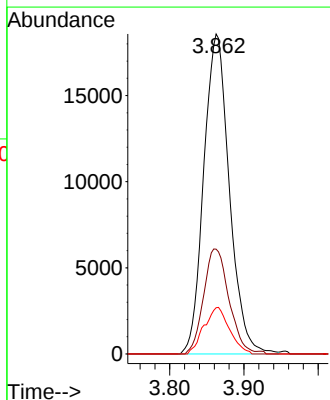
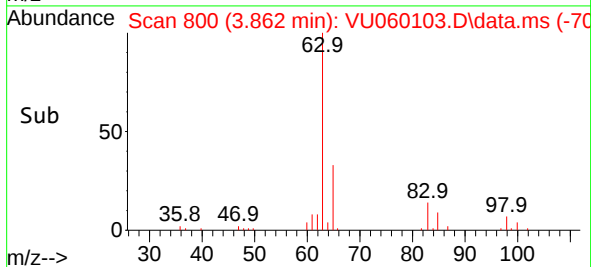
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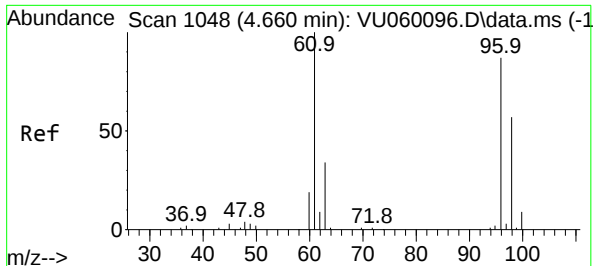


#19
1,1-Dichloroethane
Concen: 2.293 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU060103.D
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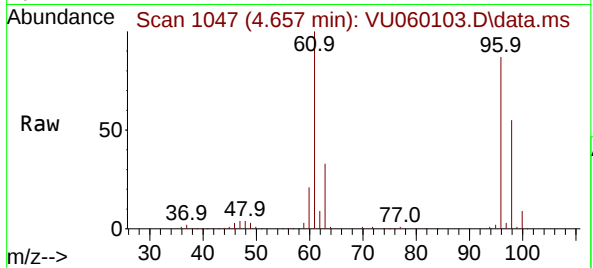
Tgt Ion: 63 Resp: 44511
Ion Ratio Lower Upper
63 100
65 33.4 22.0 40.8
83 14.4 9.7 17.9





#22
cis-1,2-Dichloroethene
Concen: 43.831 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

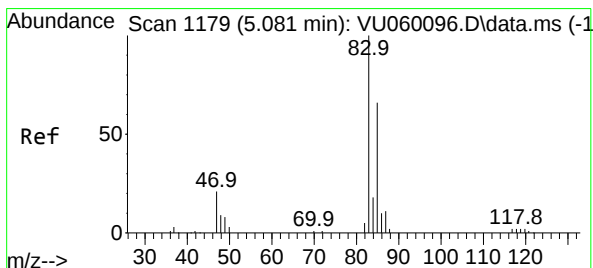
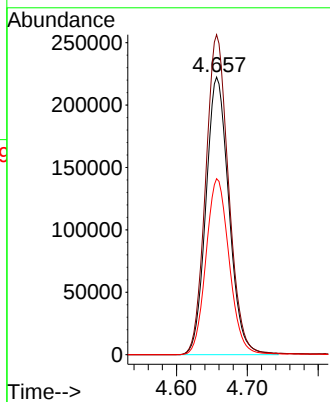
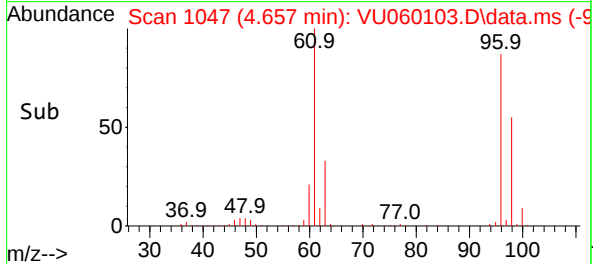
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Tgt Ion: 96 Resp: 501979
Ion Ratio Lower Upper
96 100
61 115.2 80.2 148.9
98 63.4 44.7 83.1

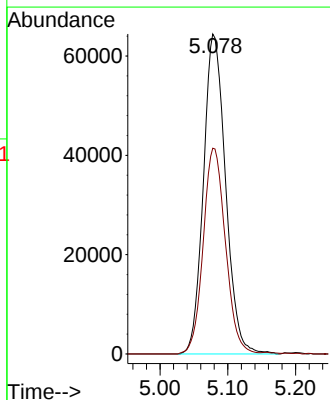
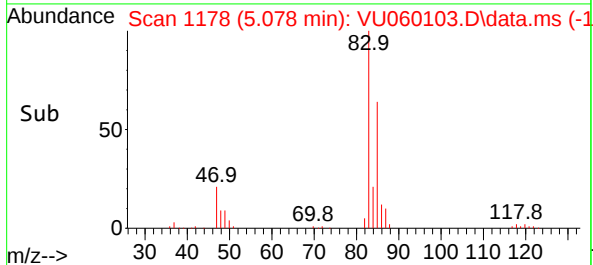
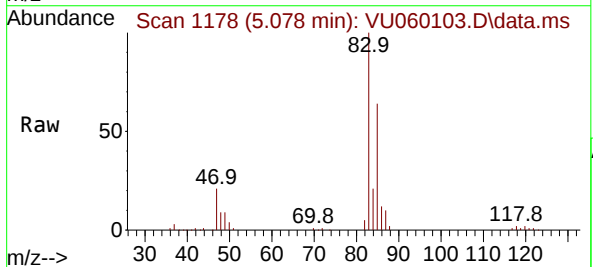
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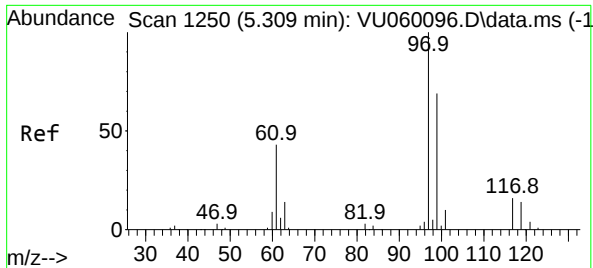
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#25
Chloroform
Concen: 6.858 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. -0.003 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

Tgt Ion: 83 Resp: 146429
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.2





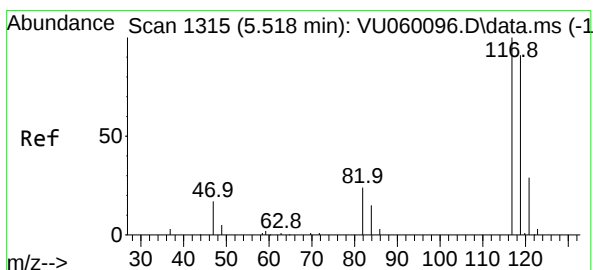
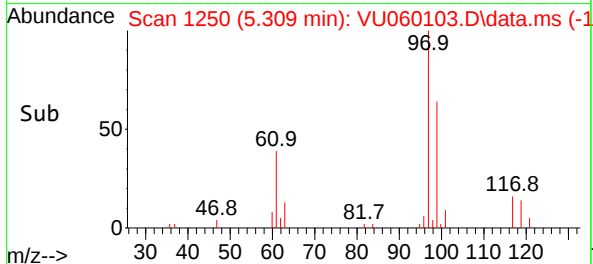
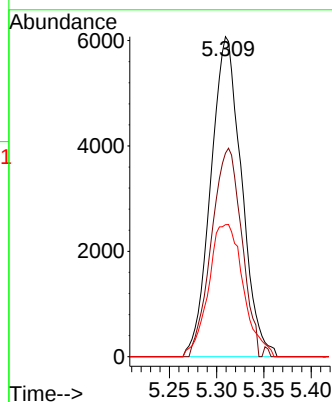
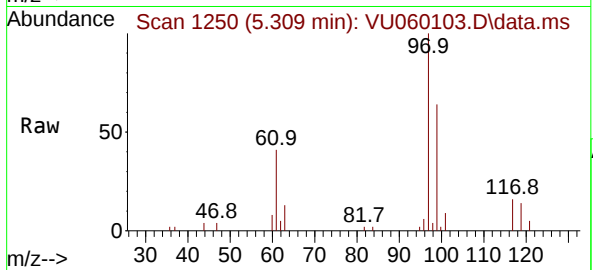
#29
1,1,1-Trichloroethane
Concen: 0.809 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU060103.D
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Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 97 Resp: 13718
Ion Ratio Lower Upper
97 100
99 64.0 51.0 76.4
61 46.6 34.1 51.1

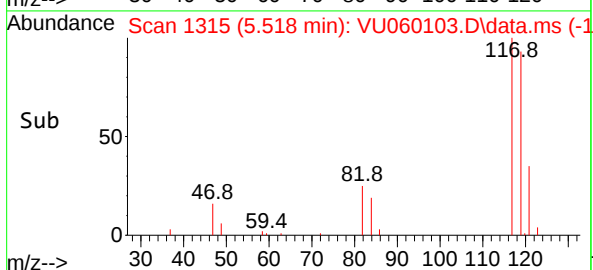
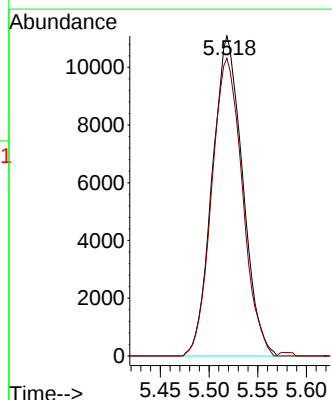
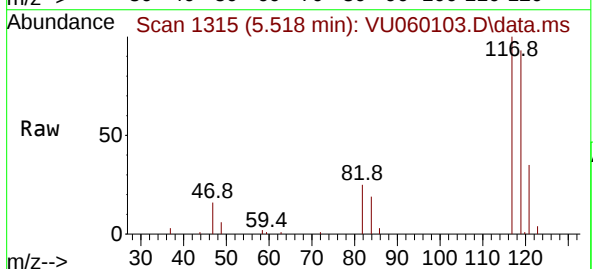
Manual Integrations
APPROVED

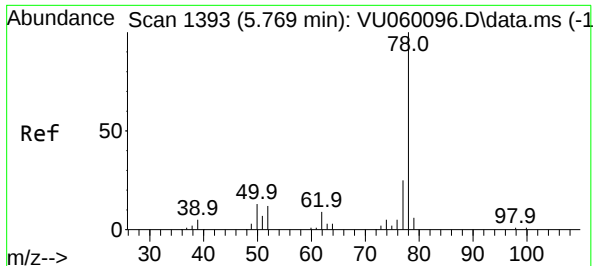
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#31
Carbon tetrachloride
Concen: 1.639 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

Tgt Ion:117 Resp: 23991
Ion Ratio Lower Upper
117 100
119 94.2 75.6 113.4





#33

Benzene

Concen: 0.146 ug/L

RT: 5.776 min Scan# 11

Delta R.T. 0.007 min

Lab File: VU060103.D

Acq: 22 Jul 2024 19:34

Instrument :

MSVOA_U

ClientSampleId :

C0B34

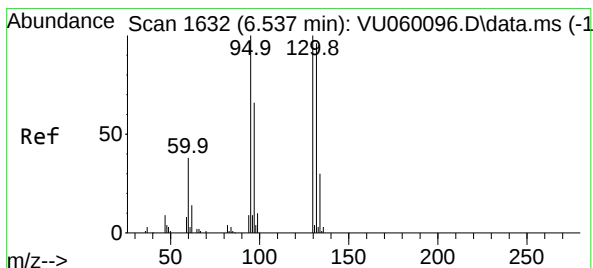
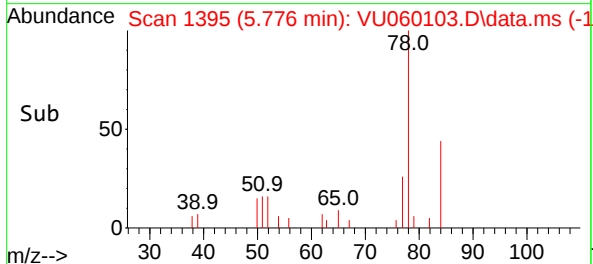
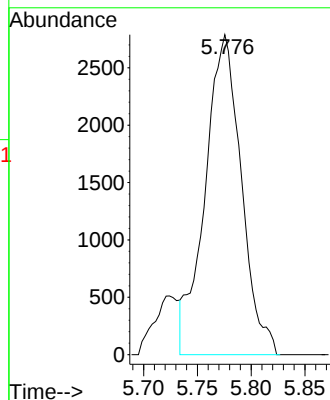
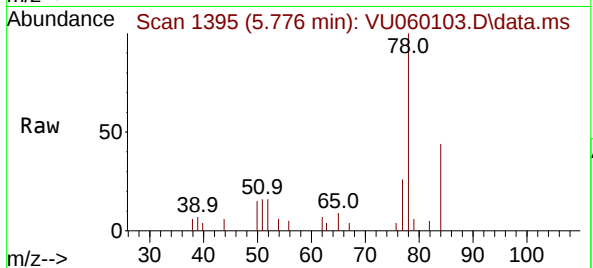
Tgt Ion: 78 Resp: 6530

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#34

Trichloroethene

Concen: 1527.638 ug/L m

RT: 6.534 min Scan# 1631

Delta R.T. -0.003 min

Lab File: VU060103.D

Acq: 22 Jul 2024 19:34

Tgt Ion: 95 Resp:18180792

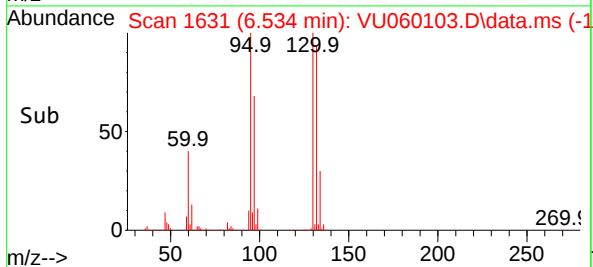
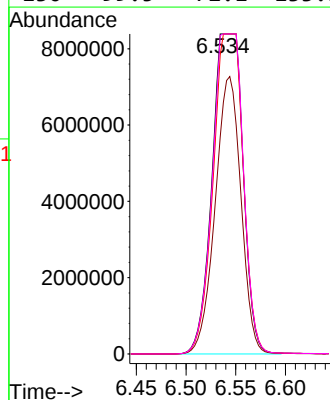
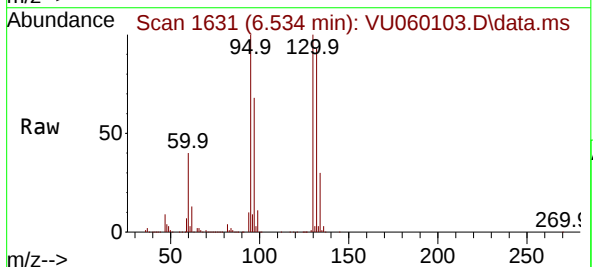
Ion Ratio Lower Upper

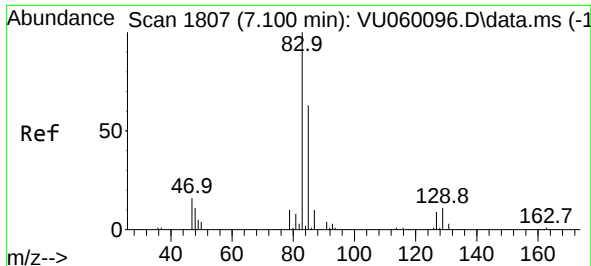
95 100

97 67.8 45.9 85.3

132 93.4 71.4 132.6

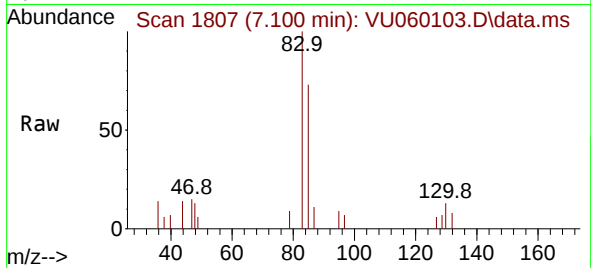
130 99.5 72.1 133.9





#38
Bromodichloromethane
Concen: 0.222 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

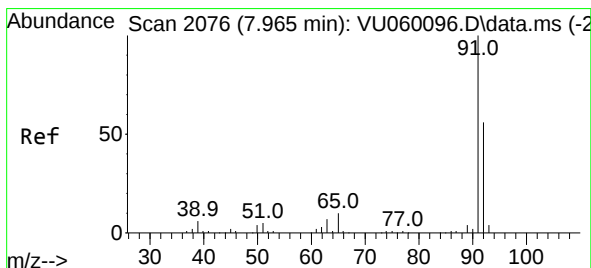
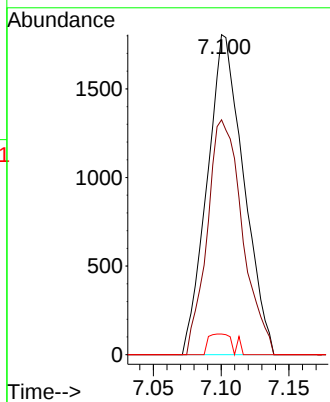
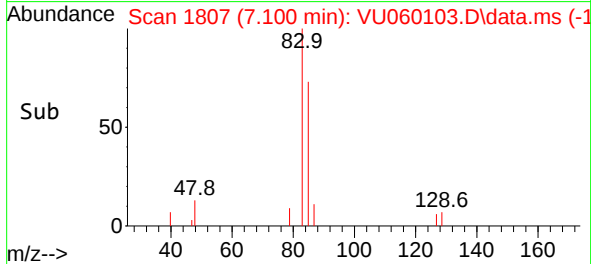
Instrument :
MSVOA_U
ClientSampleId :
C0B34



Tgt Ion: 83 Resp: 3378
Ion Ratio Lower Upper
83 100
85 73.4 43.5 80.7
127 6.5 7.1 10.7

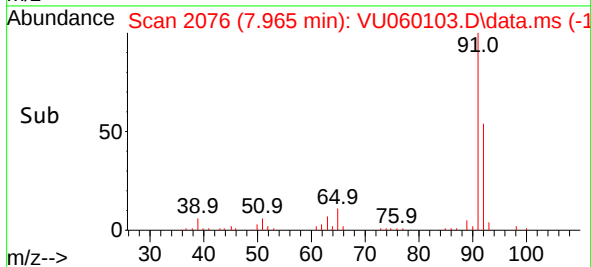
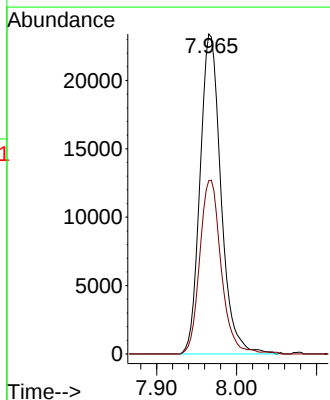
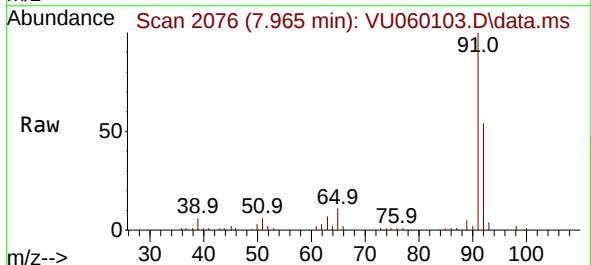
Manual Integrations
APPROVED

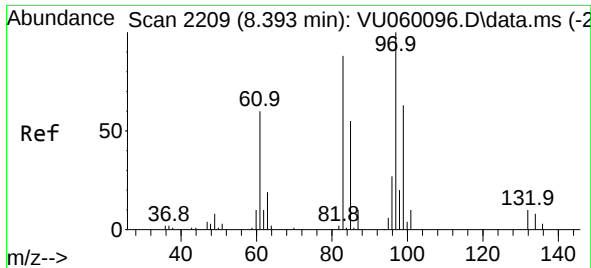
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#42
Toluene
Concen: 0.893 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

Tgt Ion: 91 Resp: 42653
Ion Ratio Lower Upper
91 100
92 54.2 39.8 73.8





#45
1,1,2-Trichloroethane
Concen: 0.443 ug/L
RT: 8.396 min Scan# 210
Delta R.T. 0.003 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

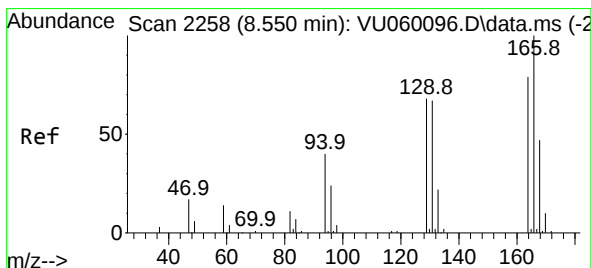
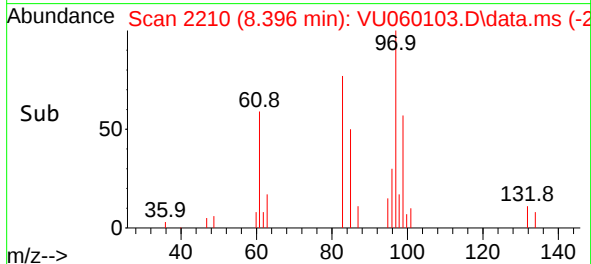
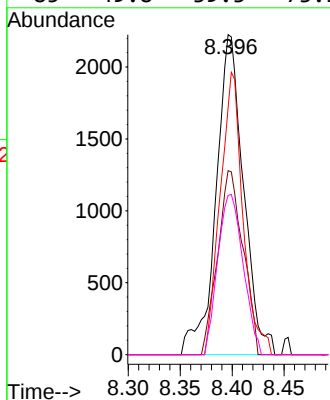
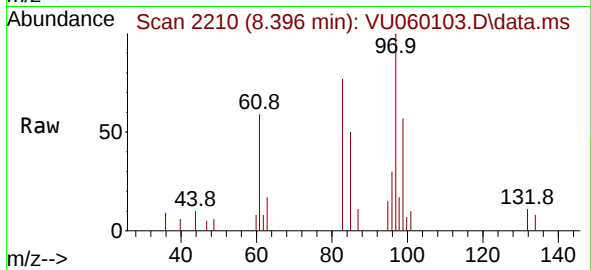
Instrument :
MSVOA_U
ClientSampleId :
C0B34

Tgt Ion: 97 Resp: 4100

Ion	Ratio	Lower	Upper
97	100		
99	57.5	43.8	81.4
83	77.3	62.1	115.3
85	49.8	39.3	73.1

Manual Integrations
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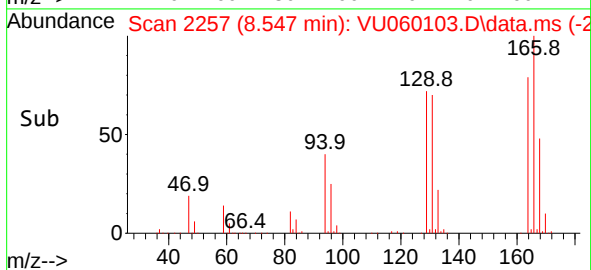
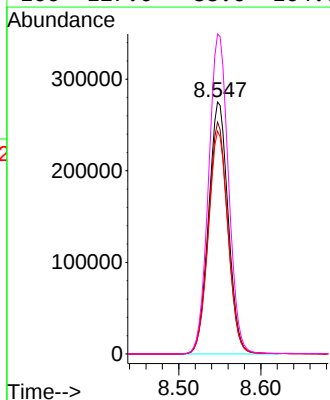
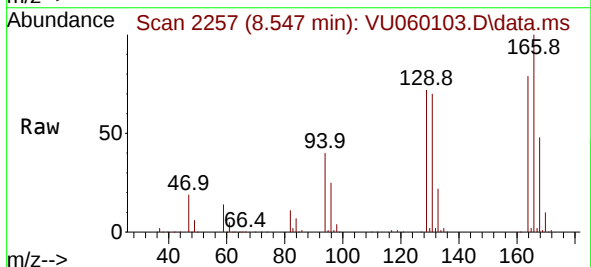
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

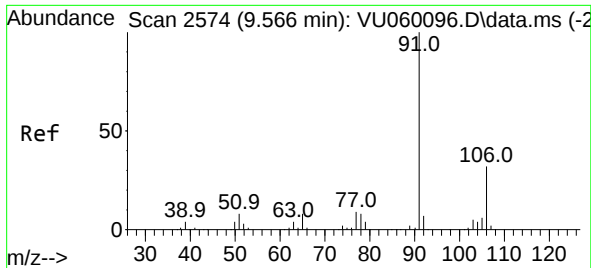


#47
Tetrachloroethene
Concen: 46.542 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

Tgt Ion:164 Resp: 457994

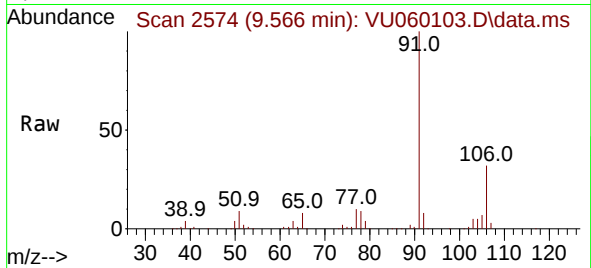
Ion	Ratio	Lower	Upper
164	100		
129	92.0	64.6	120.0
131	88.5	61.2	113.8
166	127.0	88.6	164.6





#52
Ethylbenzene
Concen: 2.916 ug/L
RT: 9.566 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

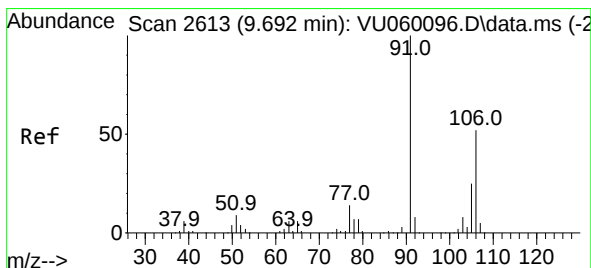
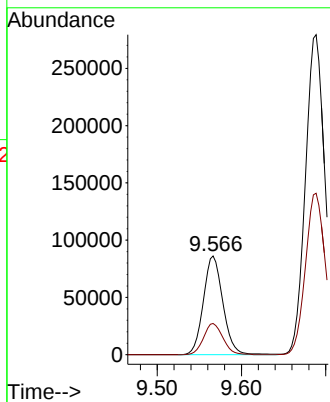
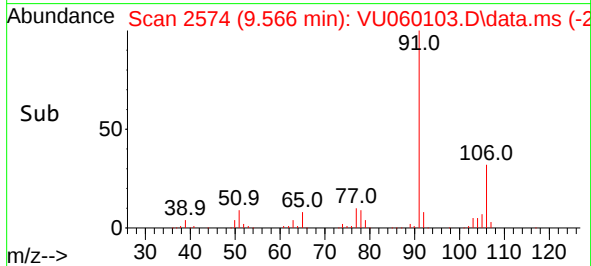
Instrument :
MSVOA_U
ClientSampleId :
C0B34



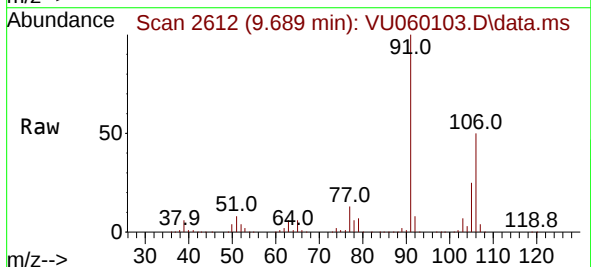
Tgt Ion: 91 Resp: 138874
Ion Ratio Lower Upper
91 100
106 31.6 21.9 40.7

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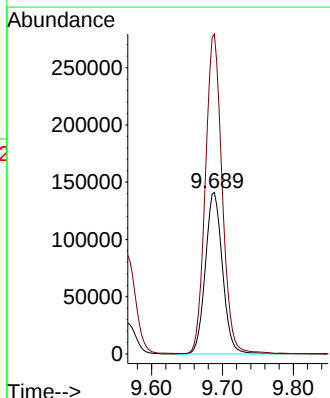
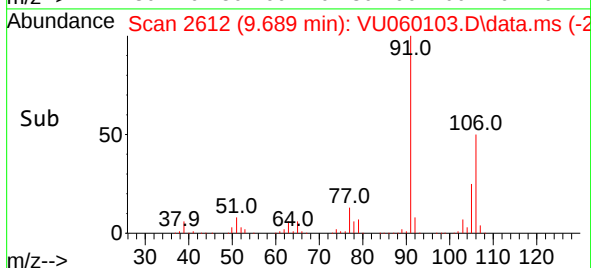
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

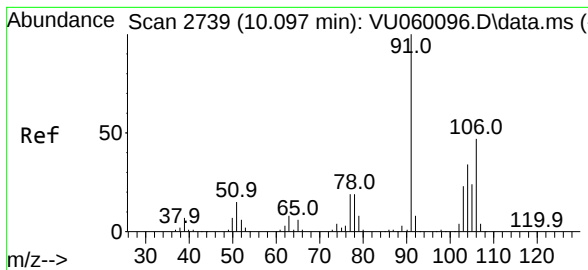


#53
m,p-Xylene
Concen: 12.855 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34



Tgt Ion:106 Resp: 236510
Ion Ratio Lower Upper
106 100
91 198.3 141.3 262.5





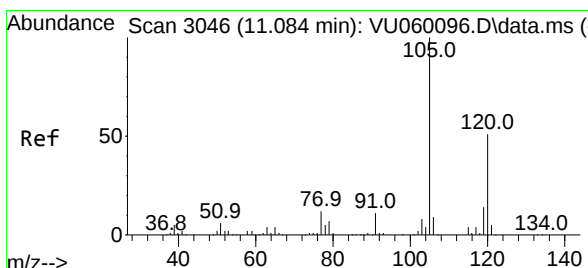
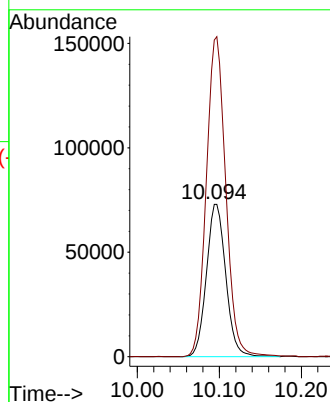
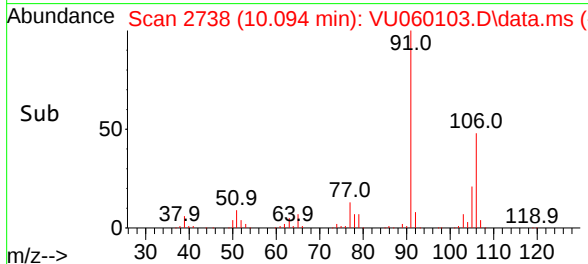
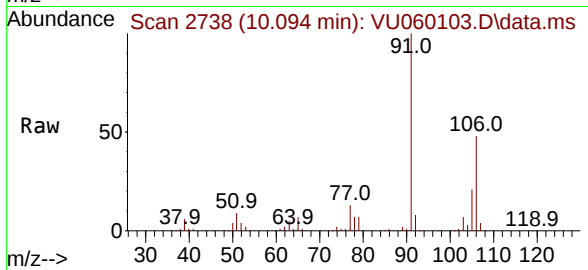
#54
o-Xylene
Concen: 6.793 ug/L
RT: 10.094 min Scan# 2119
Delta R.T. -0.003 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

Instrument :
MSVOA_U
ClientSampleId :
C0B34

Tgt Ion:106 Resp: 119519
Ion Ratio Lower Upper
106 100
91 207.8 143.6 266.6

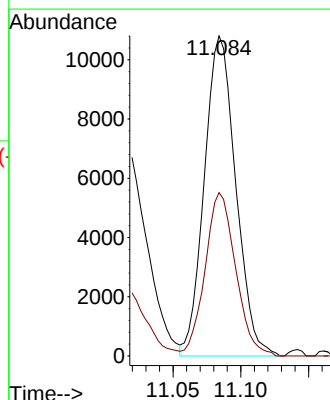
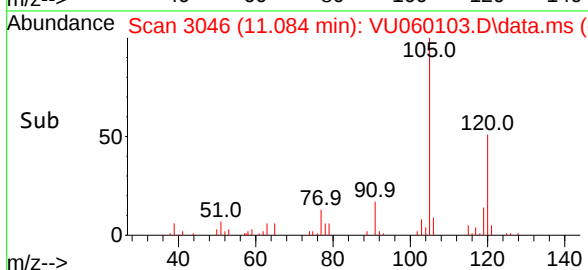
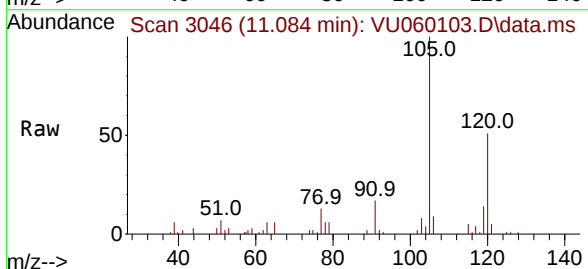
Manual Integrations
APPROVED

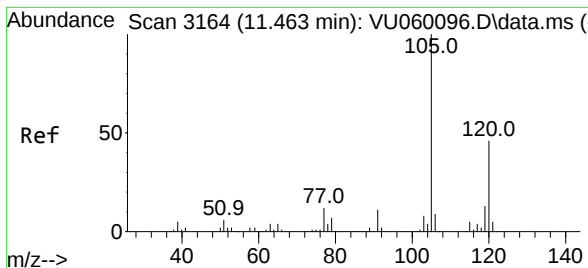
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#62
1,3,5-Trimethylbenzene
Concen: 0.504 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU060103.D
Acq: 22 Jul 2024 19:34

Tgt Ion:105 Resp: 17460
Ion Ratio Lower Upper
105 100
120 49.6 39.4 59.2





#63

1,2,4-Trimethylbenzene

Concen: 1.627 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU060103.D

Acq: 22 Jul 2024 19:34

Instrument :

MSVOA_U

ClientSampleId :

C0B34

Tgt Ion:105 Resp: 54449

Ion Ratio Lower Upper

105 100

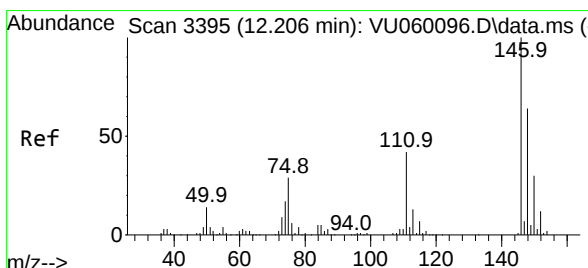
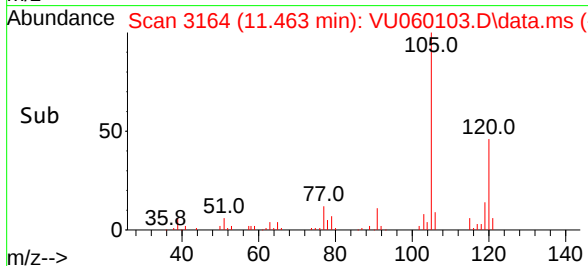
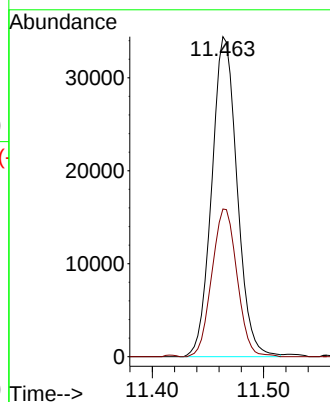
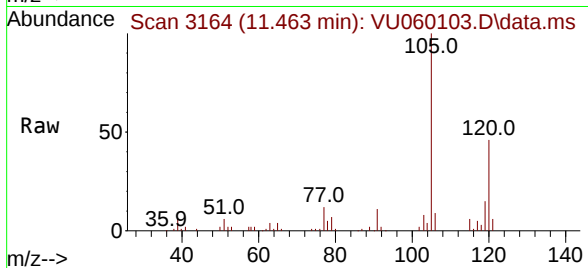
120 45.9 36.7 55.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024

Supervised By :Semsettin Yesilyurt 07/24/2024



#67

1,2-Dichlorobenzene

Concen: 1.048 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.003 min

Lab File: VU060103.D

Acq: 22 Jul 2024 19:34

Tgt Ion:146 Resp: 24462

Ion Ratio Lower Upper

146 100

111 41.0 30.9 46.3

148 66.2 49.8 74.8

