

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070124\
 Data File : VU059710.D
 Acq On : 02 Jul 2024 01:40
 Operator : MD/SY
 Sample : P3121-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0BJ8

Manual Integrations
 APPROVED

Reviewed By :Mahesh
 Dadoda

07/05/2024
 Supervised By :Semsettin
 Yesilyurt

Quant Time: Jul 02 03:56:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 29 01:51:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	224344	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	222108	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	116431	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.592	65	35719	2.290	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	45.800%
7) Chloroethane-d5	1.908	69	39469	2.630	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	52.600%#
11) 1,1-Dichloroethene-d2	2.560	65	17705	2.736	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.800%#
20) 2-Butanone-d5	4.641	46	161297	50.196	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.400%
24) Chloroform-d	5.055	84	109177	3.410	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.200%#
26) 1,2-Dichloroethane-d4	5.695	65	56147	3.640	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.800%
32) Benzene-d6	5.721	84	214625	3.511	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.200%
36) 1,2-Dichloropropane-d6	6.682	67	70540	3.766	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.400%
41) Toluene-d8	7.891	98	202287	3.560	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.200%
43) trans-1,3-Dichloroprop...	8.174	79	25195	4.296	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.000%
46) 2-Hexanone-d5	8.627	63	139841	57.381	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	114.760%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	67707	4.375	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	90428	4.364	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.200%

Target Compounds

						Qvalue
3) Chloromethane	1.515	50	5267	0.257	ug/L	95
5) Vinyl chloride	1.599	62	132453	5.861	ug/L	99
12) 1,1-Dichloroethene	2.573	96	6406	0.403	ug/L #	1
13) Acetone	2.650	43	15474	7.424	ug/L	54
14) Carbon disulfide	2.785	76	20809	0.392	ug/L	97
15) Methyl Acetate	2.956	43	72469	13.175	ug/L	97
18) trans-1,2-Dichloroethene	3.345	96	127731	7.719	ug/L	90
21) 2-Butanone	4.721	43	71787	21.472	ug/L	91
22) cis-1,2-Dichloroethene	4.653	96	19061459	1045.077	ug/L	83
30) Cyclohexane	5.377	56	449557	19.853	ug/L #	92
34) Trichloroethene	6.534	95	38978	2.134	ug/L	96
35) Methylcyclohexane	6.756	83	173766	6.686	ug/L	98
40) 4-Methyl-2-pentanone	7.792	43	15713	1.943	ug/L #	86
42) Toluene	7.965	91	12620	0.177	ug/L	96
47) Tetrachloroethene	8.547	164	38244	2.698	ug/L	97
48) 2-Hexanone	8.682	43	25924	4.491	ug/L #	84
52) Ethylbenzene	9.563	91	744423	10.162	ug/L	96
53) m,p-Xylene	9.685	106	1144061	40.665	ug/L	99
54) o-Xylene	10.094	106	62294	2.333	ug/L	99

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jun 29 01:51:23 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) Isopropylbenzene	10.476	105	171506m	2.385	ug/L	
62) 1,3,5-Trimethylbenzene	11.081	105	1454868	25.533	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	5983601	109.839	ug/L	98

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

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Misc : 25.0mL/MSVOA_U/WATER
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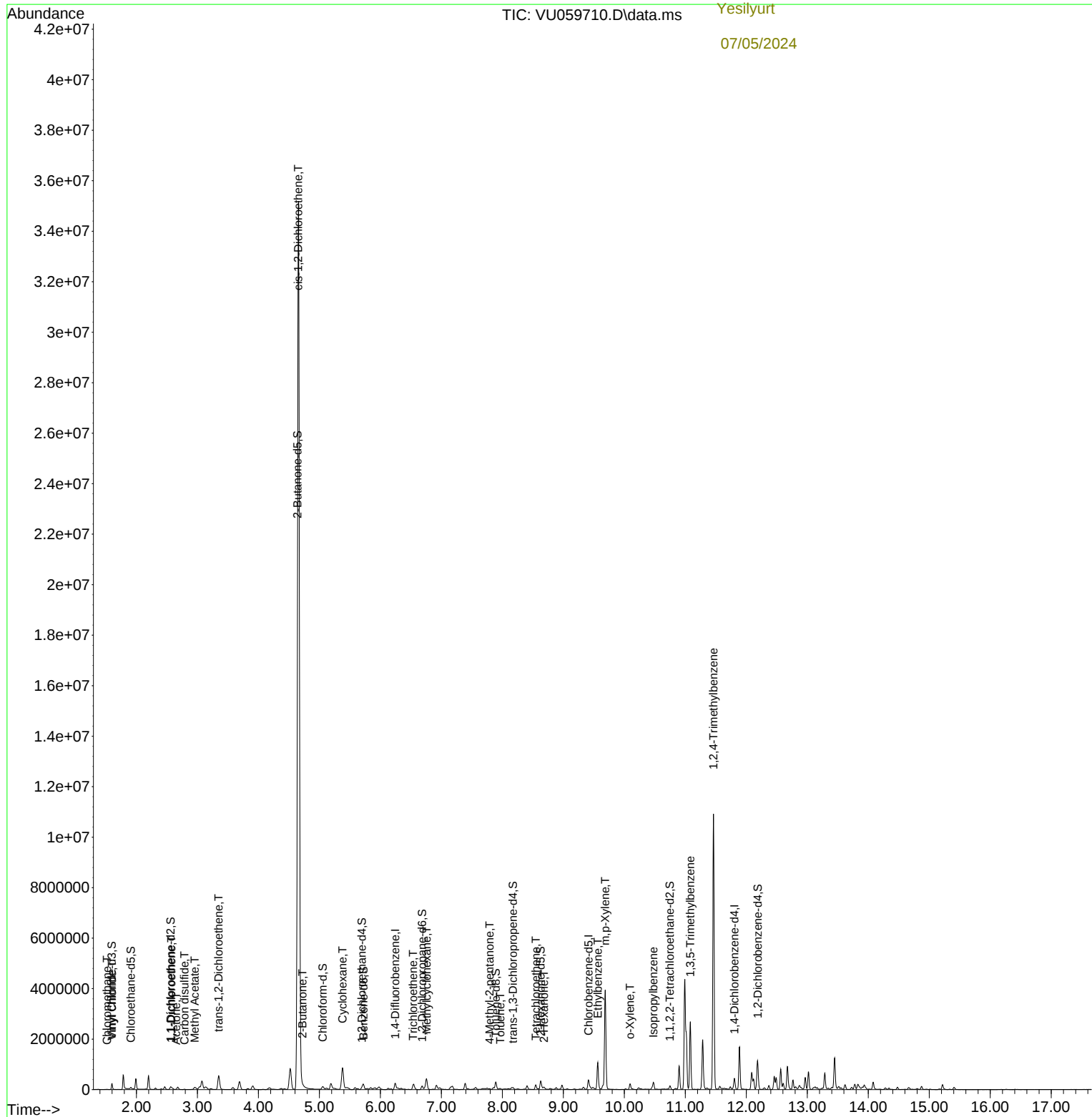
Instrument :
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ClientSampleId :
C0BJ8

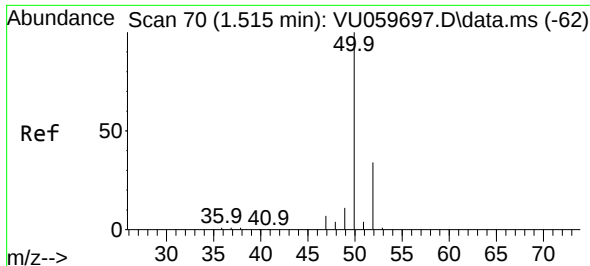
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#3
Chloromethane
Concen: 0.257 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
MSVOA_U
ClientSampleId :
C0BJ8

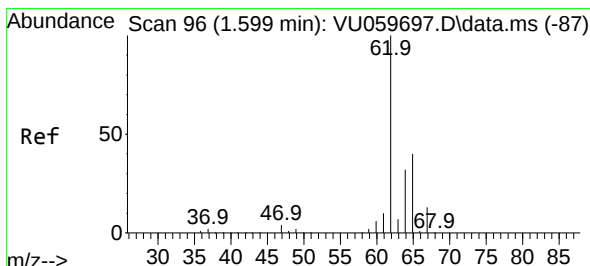
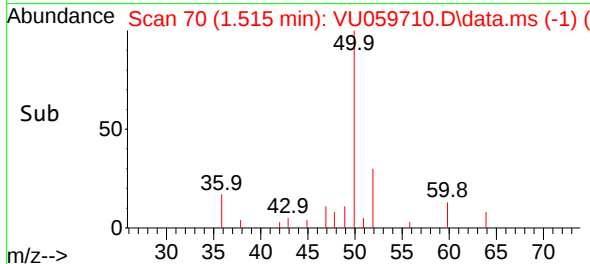
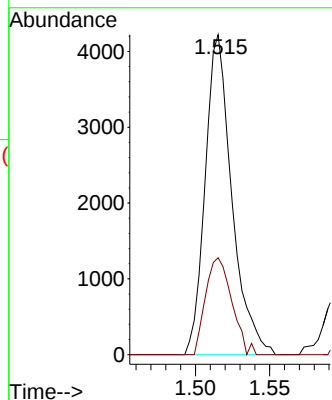
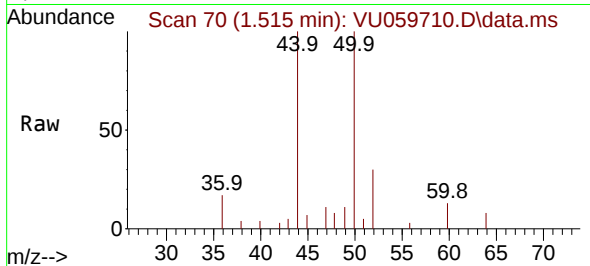
Tgt Ion: 50 Resp: 526
Ion Ratio Lower Upper
50 100
52 30.3 23.2 43.0

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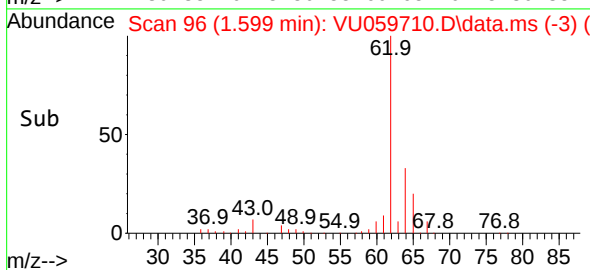
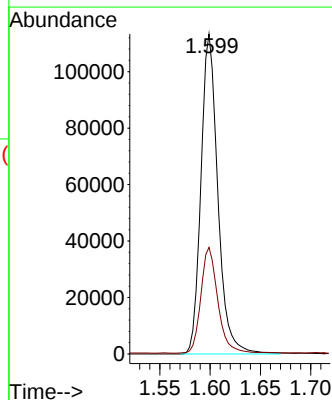
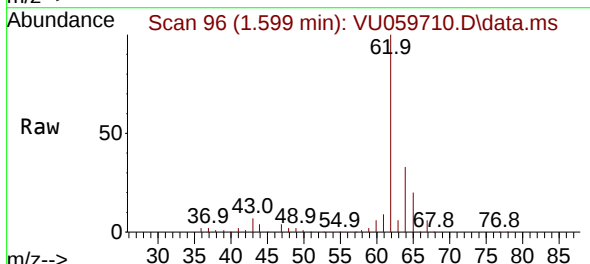
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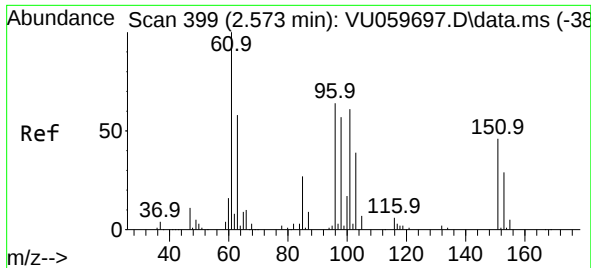
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#5
Vinyl chloride
Concen: 5.861 ug/L
RT: 1.599 min Scan# 96
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

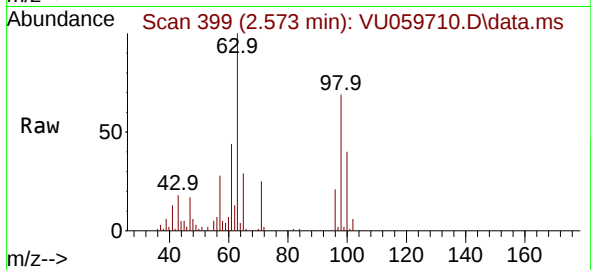
Tgt Ion: 62 Resp: 132453
Ion Ratio Lower Upper
62 100
64 33.3 23.1 42.9





#12
1,1-Dichloroethene
Concen: 0.403 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
MSVOA_U
ClientSampleId :
C0BJ8



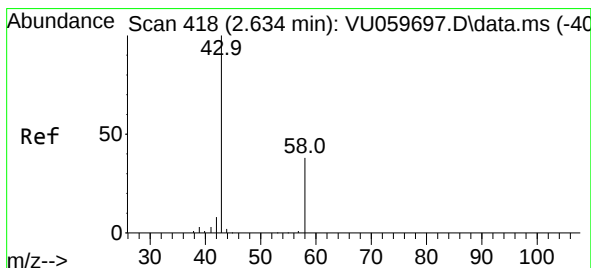
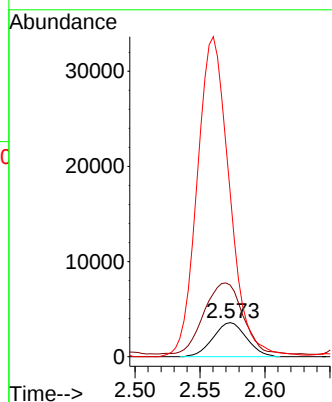
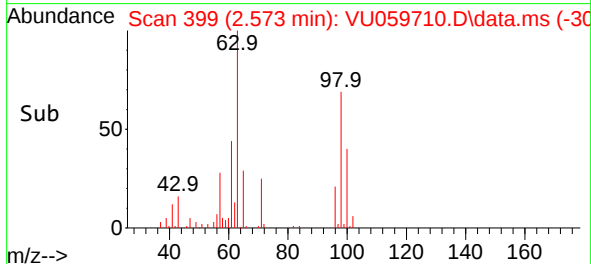
Tgt Ion: 96 Resp: 6400
Ion Ratio Lower Upper
96 100
61 210.6 122.9 228.3
63 483.2 80.4 149.4

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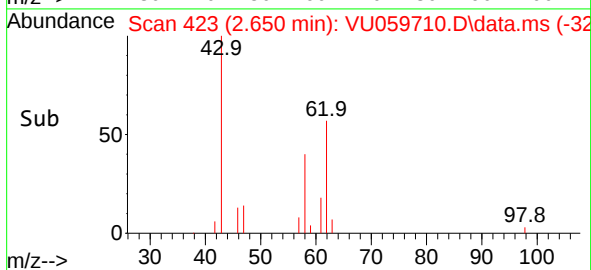
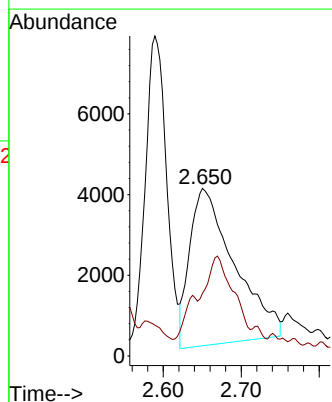
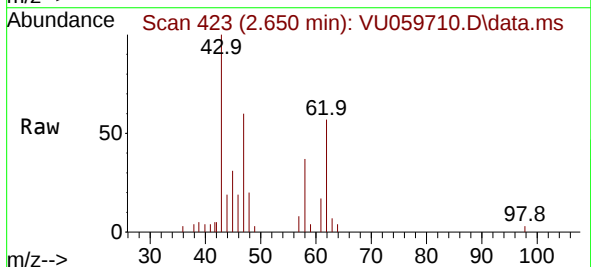
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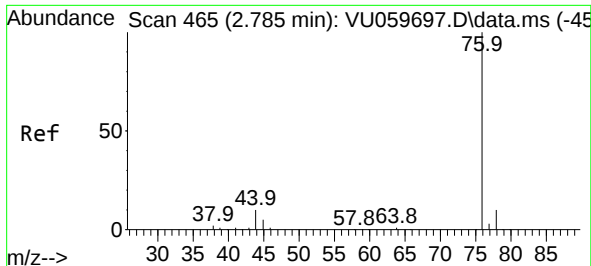
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#13
Acetone
Concen: 7.424 ug/L
RT: 2.650 min Scan# 423
Delta R.T. 0.016 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

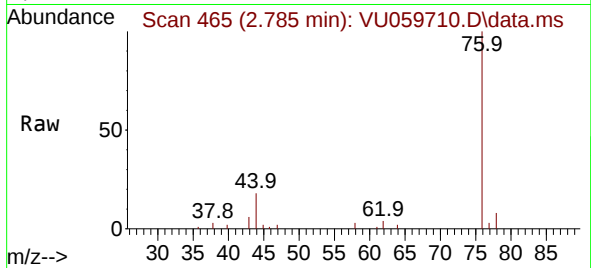
Tgt Ion: 43 Resp: 15474
Ion Ratio Lower Upper
43 100
58 7.7 0.0 68.0





#14
Carbon disulfide
Concen: 0.392 ug/L
RT: 2.785 min Scan# 408
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
MSVOA_U
ClientSampleId :
C0BJ8



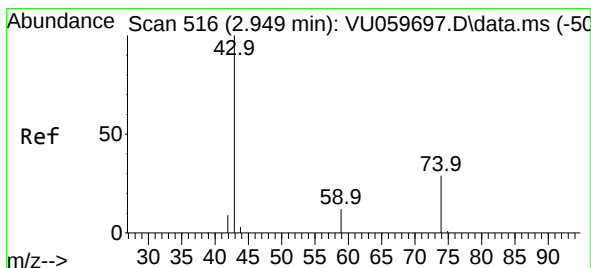
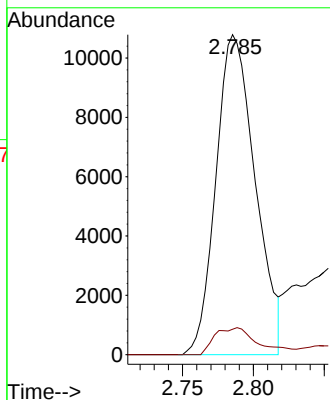
Tgt Ion: 76 Resp: 20809
Ion Ratio Lower Upper
76 100
78 7.9 7.3 10.9

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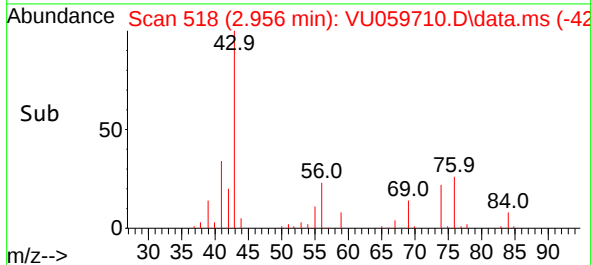
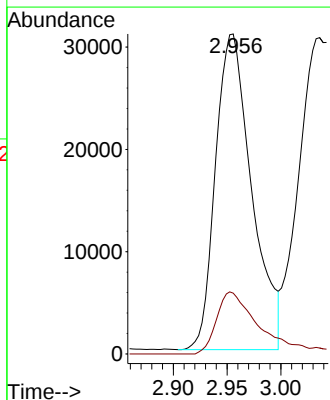
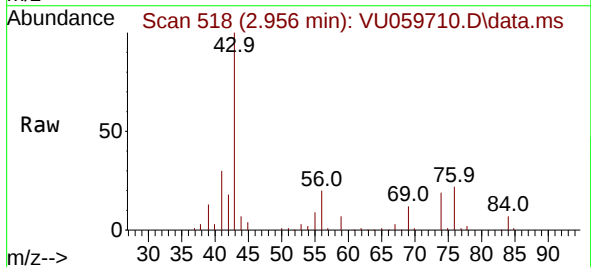
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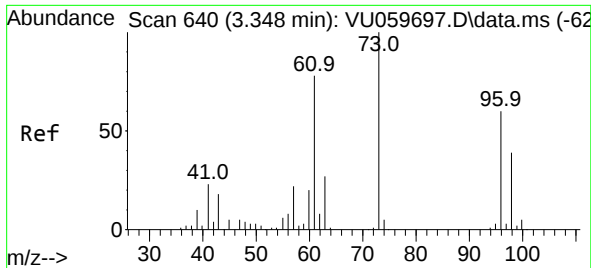
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#15
Methyl Acetate
Concen: 13.175 ug/L
RT: 2.956 min Scan# 518
Delta R.T. 0.007 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

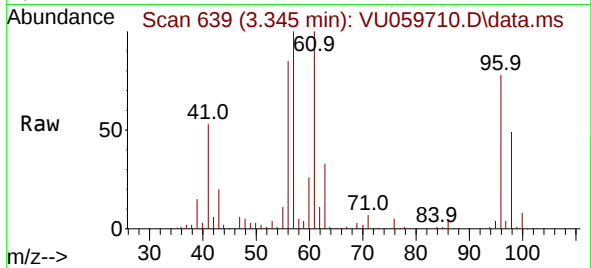
Tgt Ion: 43 Resp: 72469
Ion Ratio Lower Upper
43 100
74 22.7 19.2 28.8





#18
trans-1,2-Dichloroethene
Concen: 7.719 ug/L
RT: 3.345 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
MSVOA_U
ClientSampleId :
C0BJ8



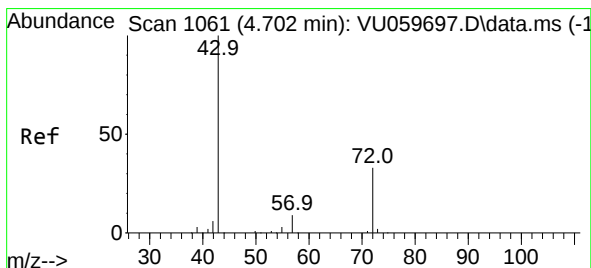
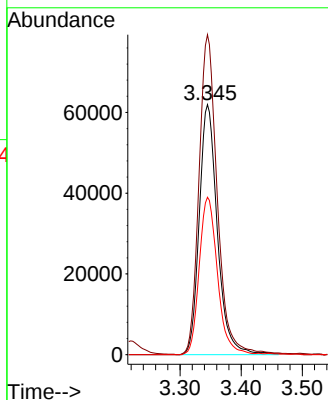
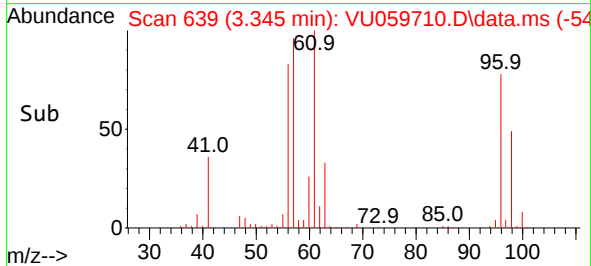
Tgt Ion: 96 Resp: 12773
Ion Ratio Lower Upper
96 100
61 128.0 101.8 189.0
98 63.0 43.3 80.5

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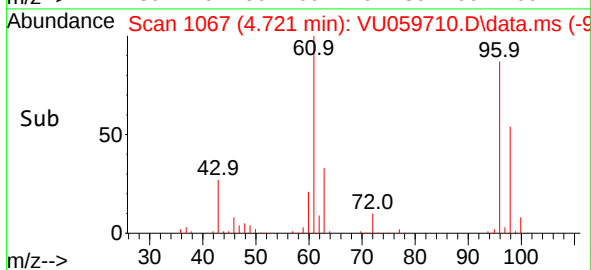
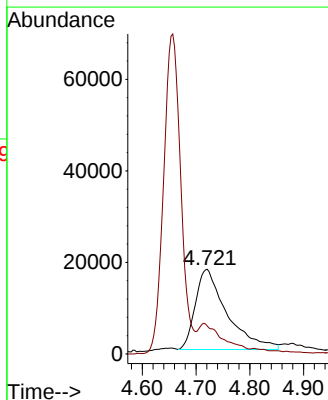
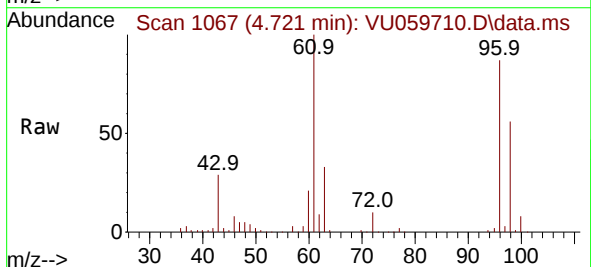
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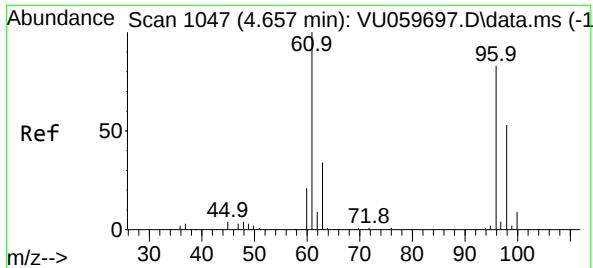
07/05/2024



#21
2-Butanone
Concen: 21.472 ug/L
RT: 4.721 min Scan# 1067
Delta R.T. 0.023 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

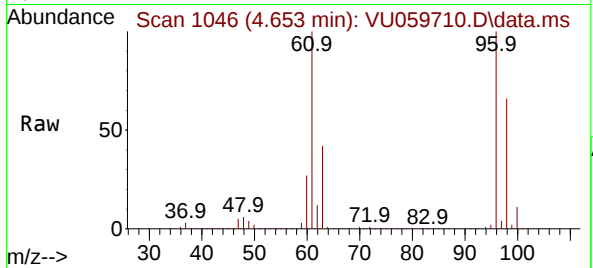
Tgt Ion: 43 Resp: 71787
Ion Ratio Lower Upper
43 100
72 22.7 13.8 41.4





#22
cis-1,2-Dichloroethene
Concen: 1045.077 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.006 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

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C0BJ8



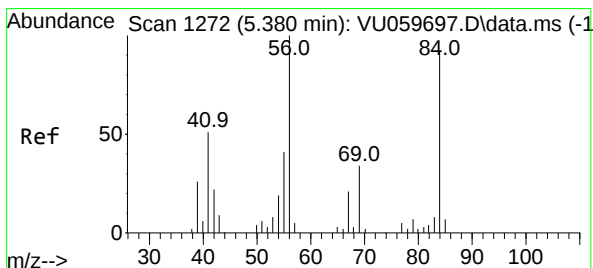
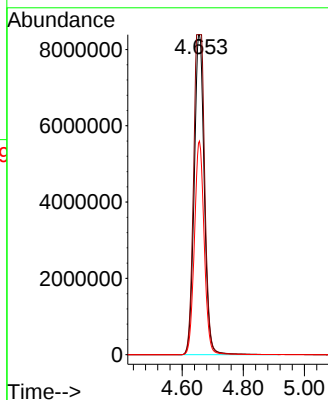
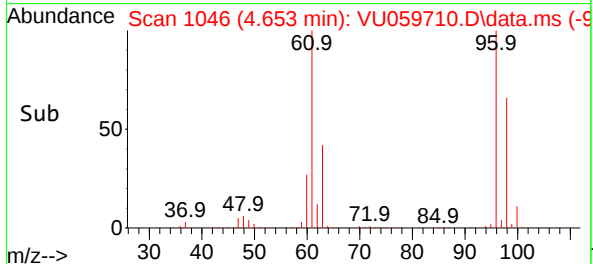
Tgt Ion: 96 Resp:19061459
Ion Ratio Lower Upper
96 100
61 100.0 87.4 162.2
98 66.1 42.3 78.5

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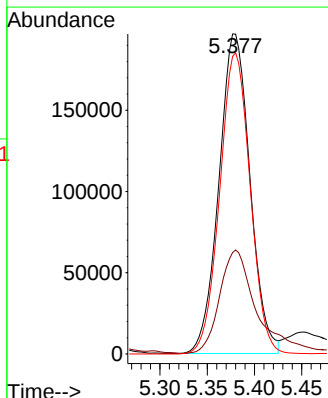
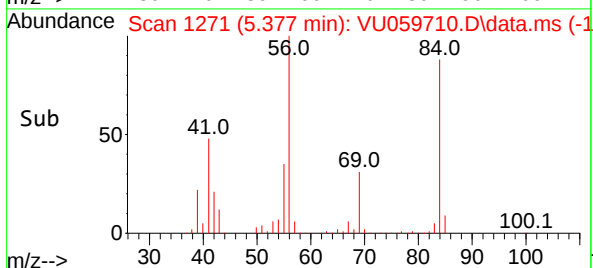
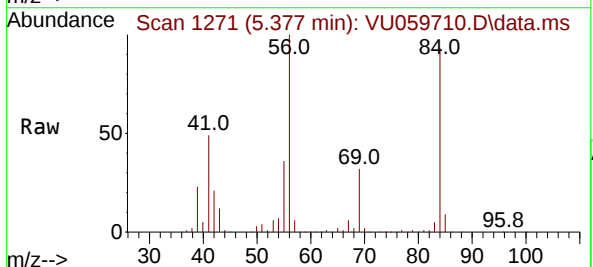
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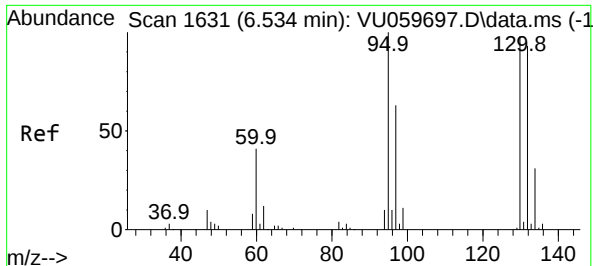
07/05/2024



#30
Cyclohexane
Concen: 19.853 ug/L
RT: 5.377 min Scan# 1271
Delta R.T. -0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

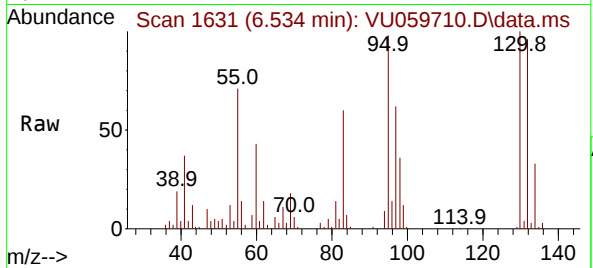
Tgt Ion: 56 Resp: 449557
Ion Ratio Lower Upper
56 100
69 40.0 24.8 37.2#
84 92.3 69.8 104.8





#34
Trichloroethene
Concen: 2.134 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
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ClientSampleId :
C0BJ8



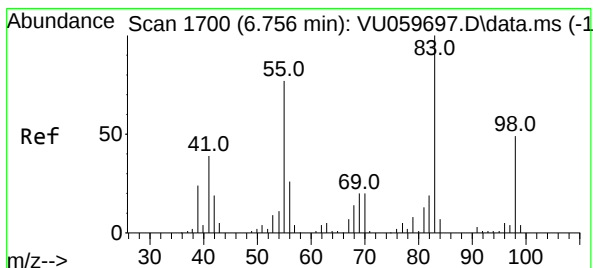
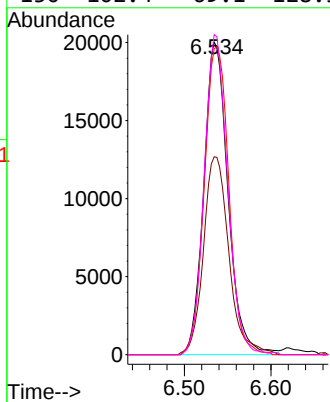
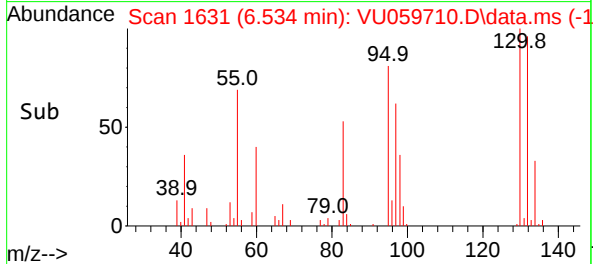
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Ion Ratio Lower Upper
95 100
97 63.3 45.3 84.1
132 97.9 64.0 119.0
130 102.4 69.1 128.3

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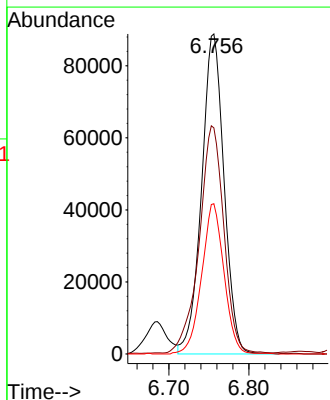
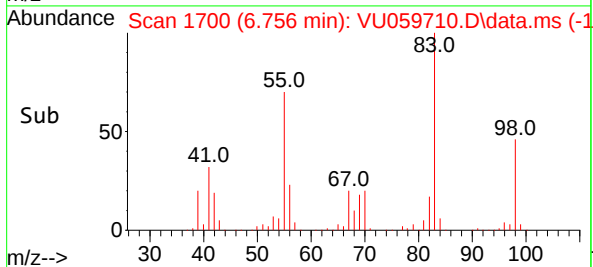
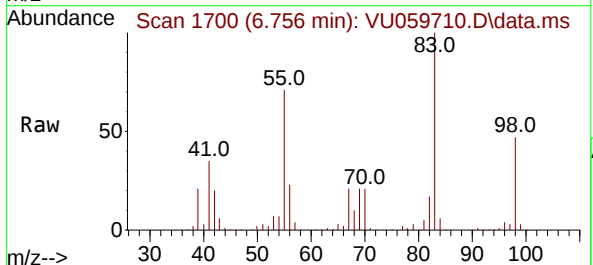
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Supervised By :Semsettin
Yesilyurt

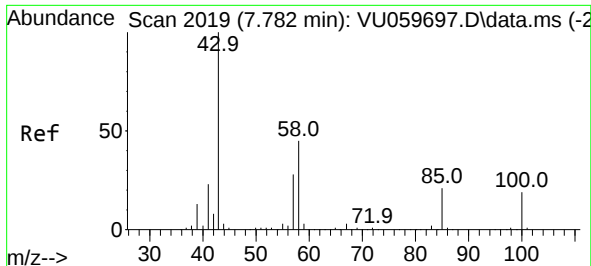
07/05/2024



#35
Methylcyclohexane
Concen: 6.686 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

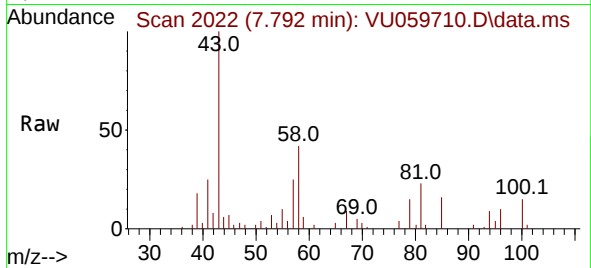
Tgt Ion: 83 Resp: 173766
Ion Ratio Lower Upper
83 100
55 77.5 62.7 94.1
98 46.5 35.4 53.0





#40
4-Methyl-2-pentanone
Concen: 1.943 ug/L
RT: 7.792 min Scan# 2019
Delta R.T. 0.010 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
MSVOA_U
ClientSampleId :
C0BJ8



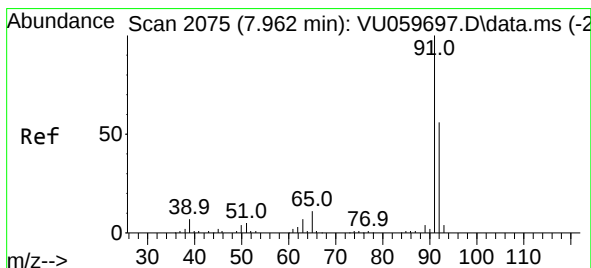
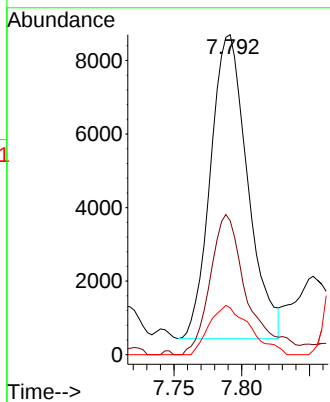
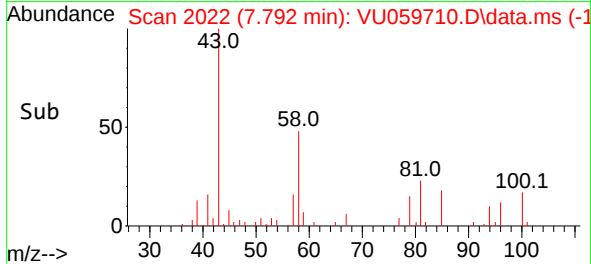
Tgt Ion: 43 Resp: 1571
Ion Ratio Lower Upper
43 100
58 46.1 34.0 51.0
100 0.0 12.1 18.1

Manual Integrations
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Reviewed By :Mahesh
Dadoda

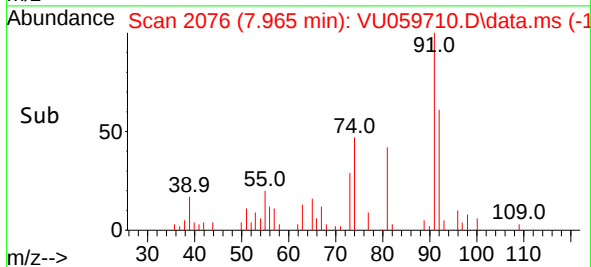
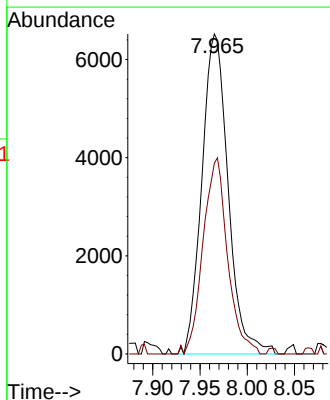
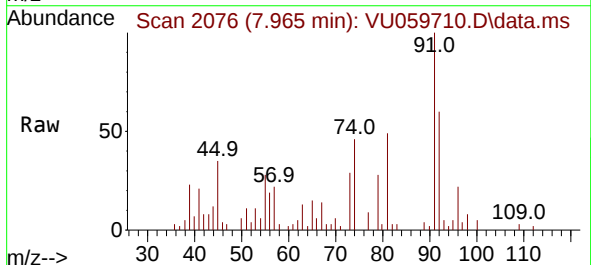
07/05/2024
Supervised By :Semsettin
Yesilyurt

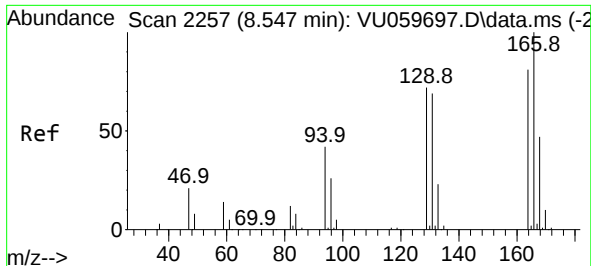
07/05/2024



#42
Toluene
Concen: 0.177 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Tgt Ion: 91 Resp: 12620
Ion Ratio Lower Upper
91 100
92 59.6 39.7 73.7





#47

Tetrachloroethene

Concen: 2.698 ug/L

RT: 8.547 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU059710.D

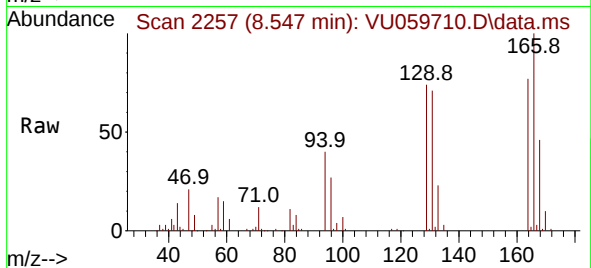
Acq: 02 Jul 2024 01:40

Instrument :

MSVOA_U

ClientSampleId :

C0BJ8



Tgt Ion:164 Resp: 3824

Ion Ratio Lower Upper

164 100

129 95.0 70.8 131.4

131 91.4 64.8 120.3

166 129.2 91.1 169.1

Manual Integrations

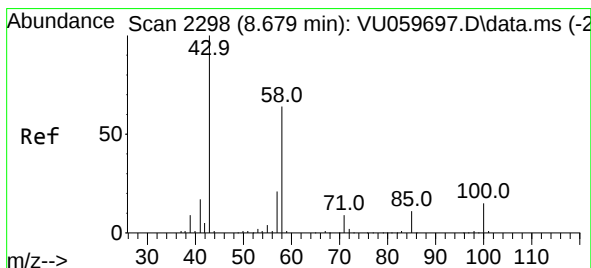
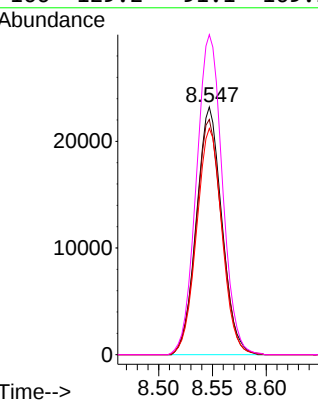
APPROVED

Reviewed By :Mahesh
Dadoda

07/05/2024

Supervised By :Semsettin
Yesilyurt

07/05/2024



#48

2-Hexanone

Concen: 4.491 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. 0.007 min

Lab File: VU059710.D

Acq: 02 Jul 2024 01:40

Tgt Ion: 43 Resp: 25924

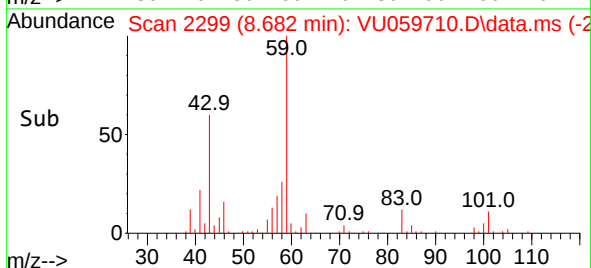
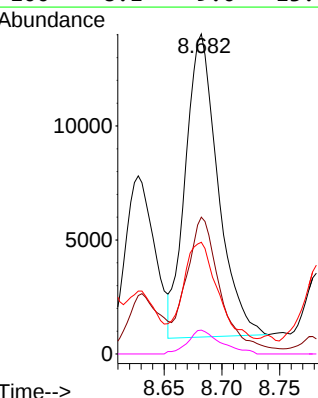
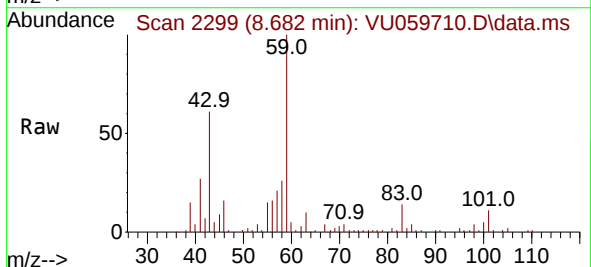
Ion Ratio Lower Upper

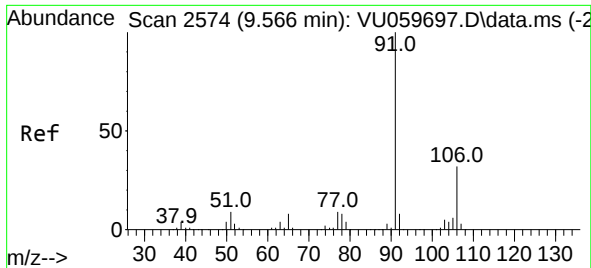
43 100

58 48.1 46.1 69.1

57 33.5 15.5 23.3#

100 8.1 9.0 13.6#





#52
Ethylbenzene
Concen: 10.162 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
MSVOA_U
ClientSampleId :
C0BJ8

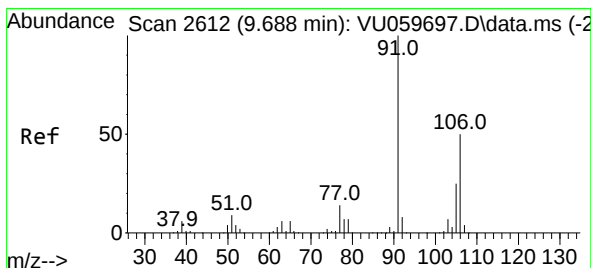
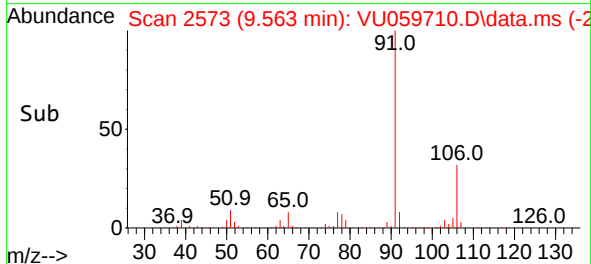
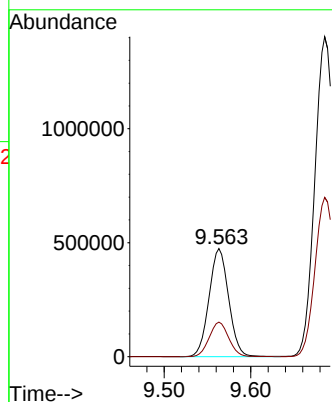
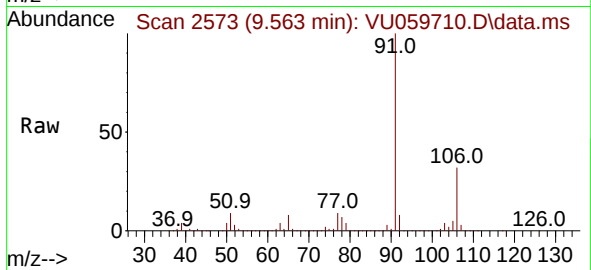
Tgt Ion: 91 Resp: 74442
Ion Ratio Lower Upper
91 100
106 32.0 20.9 38.7

Manual Integrations
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Reviewed By :Mahesh
Dadoda

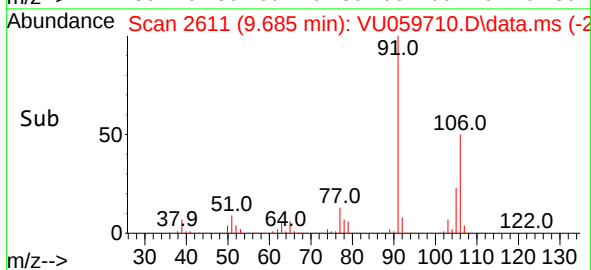
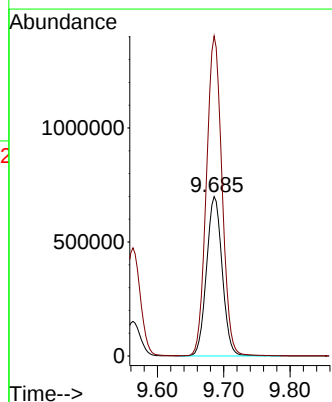
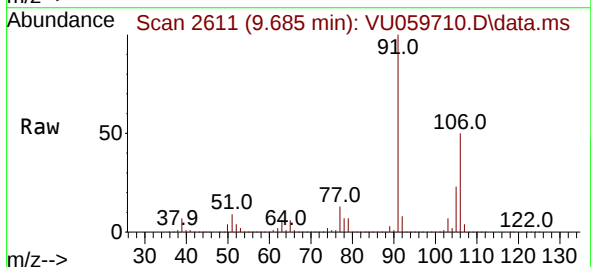
07/05/2024
Supervised By :Semsettin
Yesilyurt

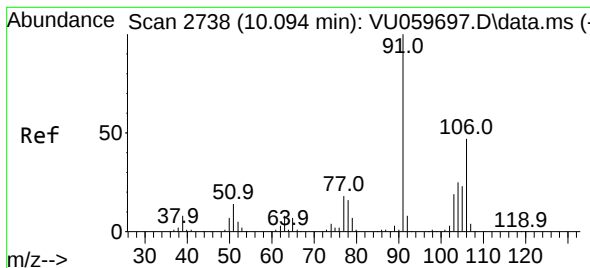
07/05/2024



#53
m,p-Xylene
Concen: 40.665 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Tgt Ion:106 Resp: 1144061
Ion Ratio Lower Upper
106 100
91 200.8 142.0 263.8





#54

o-Xylene

Concen: 2.333 ug/L

RT: 10.094 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU059710.D

Acq: 02 Jul 2024 01:40

Instrument :

MSVOA_U

ClientSampleId :

C0BJ8

Tgt Ion:106 Resp: 62294

Ion Ratio Lower Upper

106 100

91 217.5 151.6 281.6

Manual Integrations

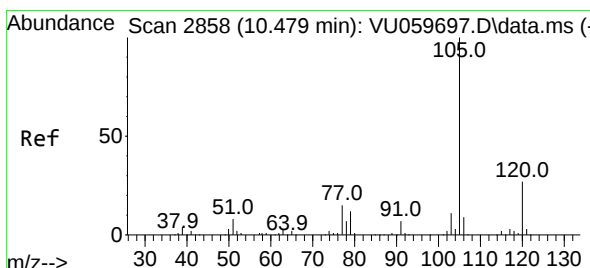
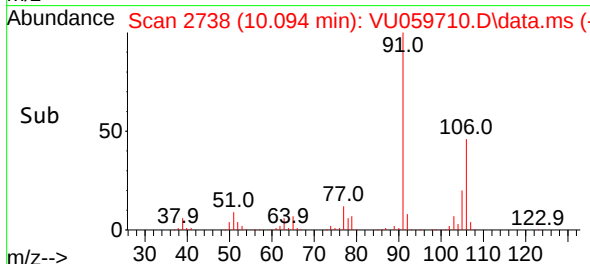
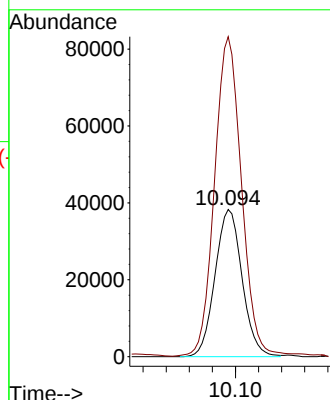
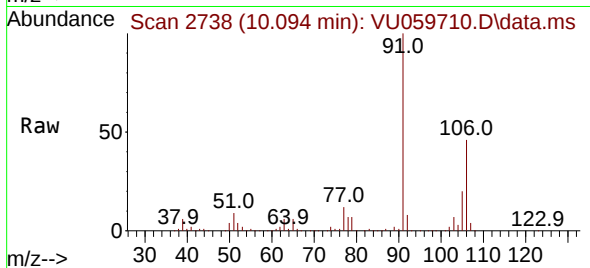
APPROVED

Reviewed By :Mahesh
Dadoda

07/05/2024

Supervised By :Semsettin
Yesilyurt

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#60

Isopropylbenzene

Concen: 2.385 ug/L m

RT: 10.476 min Scan# 2857

Delta R.T. -0.003 min

Lab File: VU059710.D

Acq: 02 Jul 2024 01:40

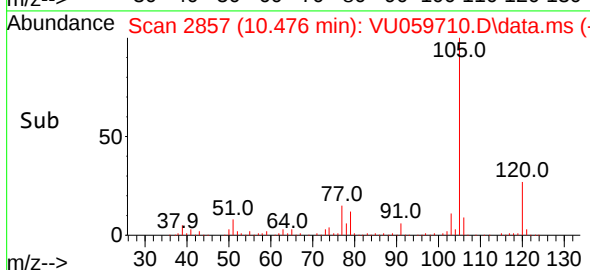
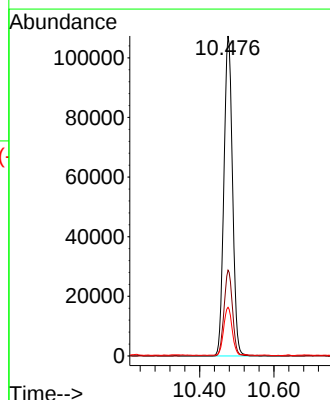
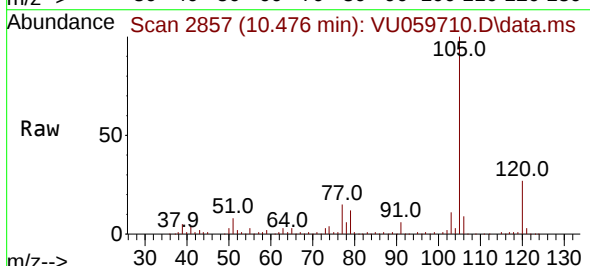
Tgt Ion:105 Resp: 171506

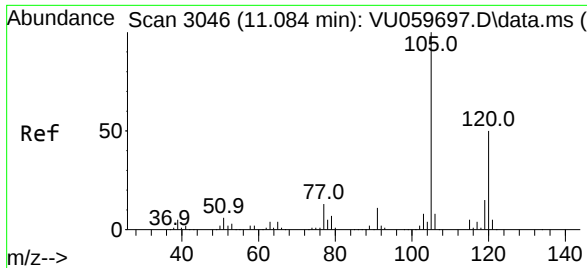
Ion Ratio Lower Upper

105 100

120 719.2 20.6 31.0#

77 261.2 12.8 19.2#





#62
1,3,5-Trimethylbenzene
Concen: 25.533 ug/L
RT: 11.081 min Scan# 3046
Delta R.T. -0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Instrument :
MSVOA_U
ClientSampleId :
C0BJ8

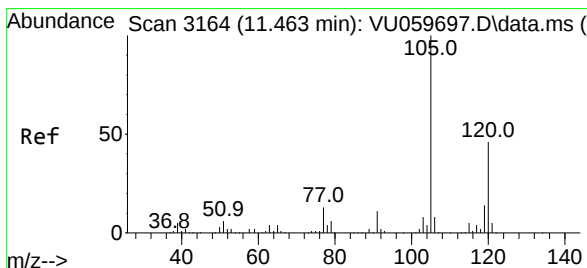
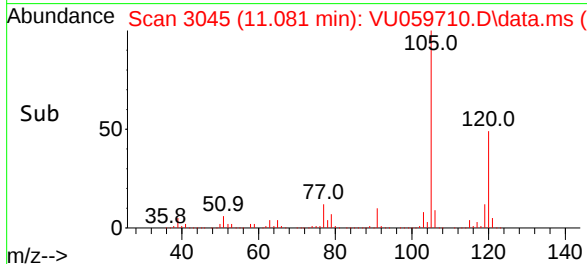
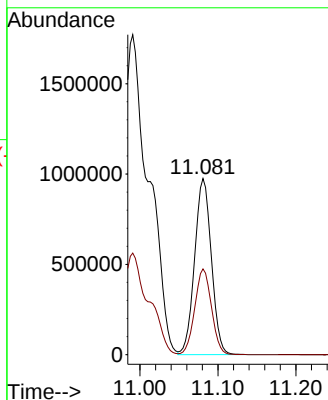
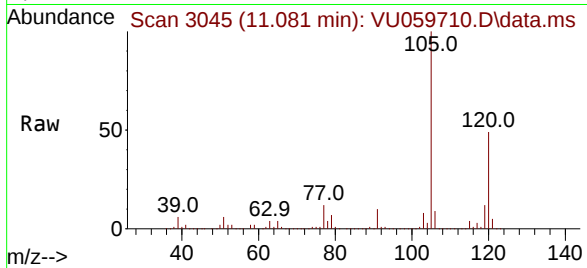
Tgt Ion:105 Resp: 145486
Ion Ratio Lower Upper
105 100
120 48.5 38.2 57.4

Manual Integrations
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Reviewed By :Mahesh
Dadoda

07/05/2024
Supervised By :Semsettin
Yesilyurt

07/05/2024



#63
1,2,4-Trimethylbenzene
Concen: 109.839 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.003 min
Lab File: VU059710.D
Acq: 02 Jul 2024 01:40

Tgt Ion:105 Resp: 5983601
Ion Ratio Lower Upper
105 100
120 45.7 35.4 53.0

