

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071224\
 Data File : VU059921.D
 Acq On : 12 Jul 2024 15:03
 Operator : MD/SY
 Sample : P3217-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZC5

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/15/2024
 Supervised By :Semsettin Yesilyurt 07/15/2024

Quant Time: Jul 13 03:56:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jul 13 03:52:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	174666	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	182472	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	111567	5.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	58303	4.800	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.000%
7) Chloroethane-d5	1.911	69	46494	3.979	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.600%
11) 1,1-Dichloroethene-d2	2.563	65	21218	4.211	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.200%
20) 2-Butanone-d5	4.637	46	118591	47.403	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.800%
24) Chloroform-d	5.055	84	95308	3.823	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.400%
26) 1,2-Dichloroethane-d4	5.695	65	48193	4.013	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.200%
32) Benzene-d6	5.721	84	202040	4.023	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.400%
36) 1,2-Dichloropropane-d6	6.685	67	64188	4.171	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.891	98	198433	4.250	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	8.174	79	23429	4.862	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.200%
46) 2-Hexanone-d5	8.627	63	102069	50.980	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.960%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	54852	4.314	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	92061	4.636	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.800%
Target Compounds						
						Qvalue
5) Vinyl chloride	1.599	62	530400	30.143	ug/L	99
8) Chloroethane	1.930	64	10386	0.980	ug/L	99
13) Acetone	2.637	43	170438	105.023	ug/L	90
16) Methylene chloride	3.036	84	2983	0.203	ug/L	84
18) trans-1,2-Dichloroethene	3.348	96	224192	17.402	ug/L	90
19) 1,1-Dichloroethane	3.859	63	265753	11.186	ug/L	99
22) cis-1,2-Dichloroethene	4.647	96	23170521m	1631.676	ug/L	
33) Benzene	5.766	78	320802	5.789	ug/L	100
34) Trichloroethene	6.534	95	704181	46.925	ug/L	96
35) Methylcyclohexane	6.756	83	13213	0.619	ug/L	95
40) 4-Methyl-2-pentanone	7.785	43	170811	25.706	ug/L	94
42) Toluene	7.962	91	1284256	21.891	ug/L	100
47) Tetrachloroethene	8.547	164	1035785	88.949	ug/L	96
51) Chlorobenzene	9.441	112	310471	8.344	ug/L	96
52) Ethylbenzene	9.563	91	2927798	48.651	ug/L	96
53) m,p-Xylene	9.688	106	3462423	149.804	ug/L	98
54) o-Xylene	10.093	106	4176584	190.405	ug/L	97
60) Isopropylbenzene	10.476	105	284792m	4.132	ug/L	
62) 1,3,5-Trimethylbenzene	11.084	105	5002590	91.623	ug/L	98

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jul 13 03:52:33 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.463	105	8638847	165.494	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	337682	9.633	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	2044519	56.665	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	8718514	264.302	ug/L	98

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

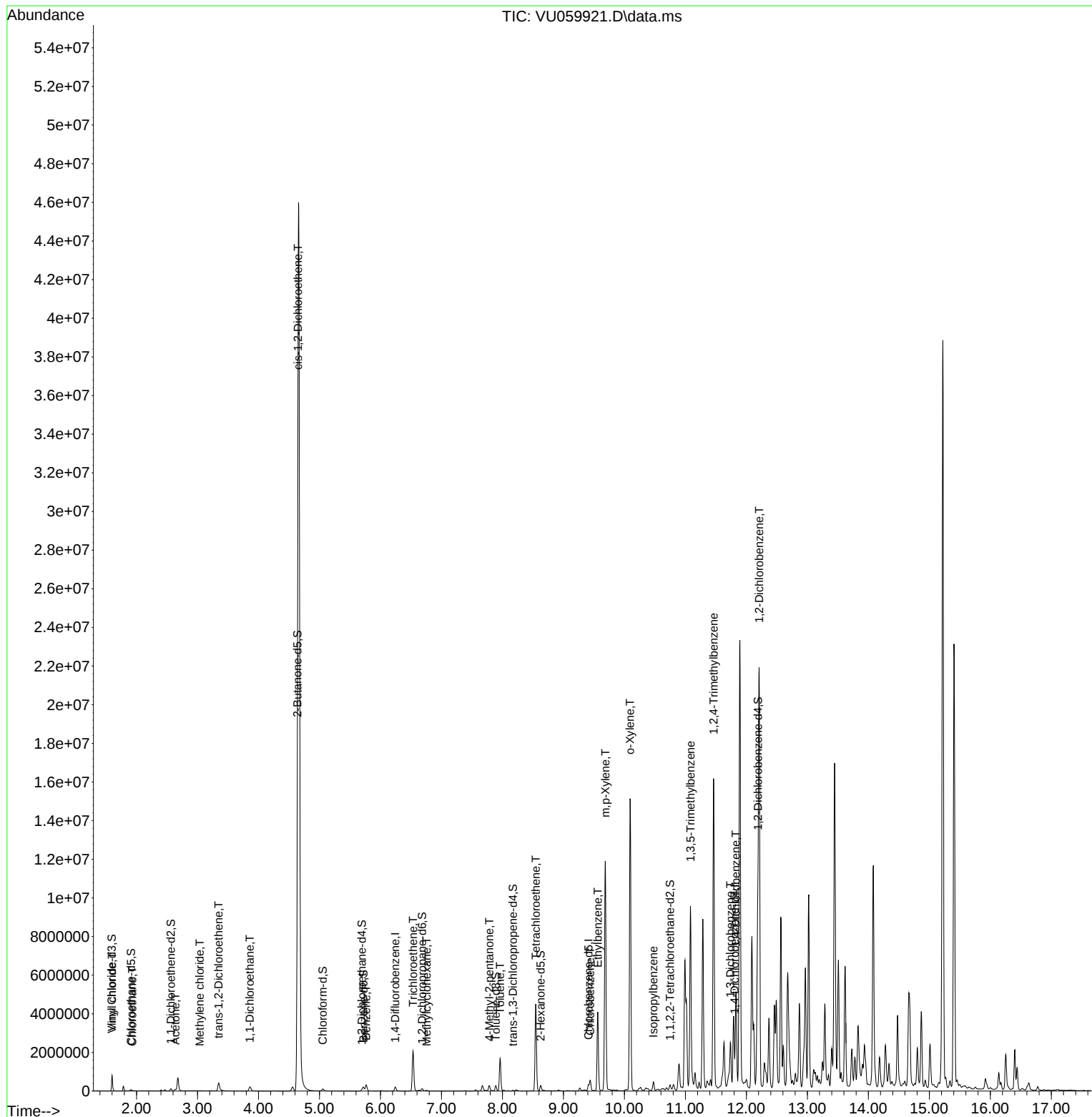
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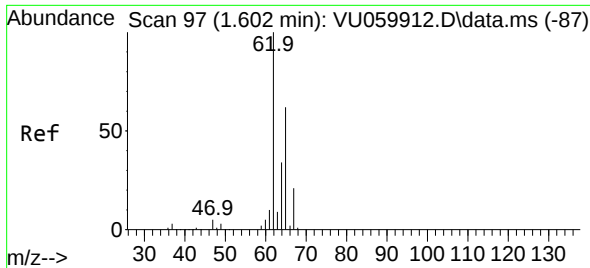
Instrument :
MSVOA_U
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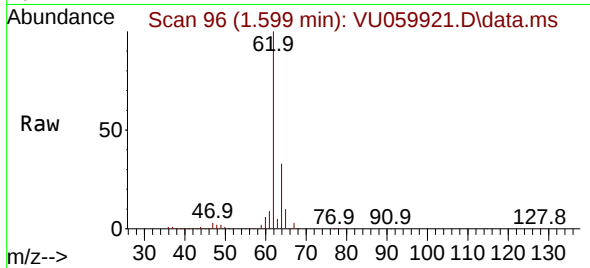
Reviewed By :Mahesh Dadoda 07/15/2024
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#5
 Vinyl chloride
 Concen: 30.143 ug/L
 RT: 1.599 min Scan# 96
 Delta R.T. -0.003 min
 Lab File: VU059921.D
 Acq: 12 Jul 2024 15:03

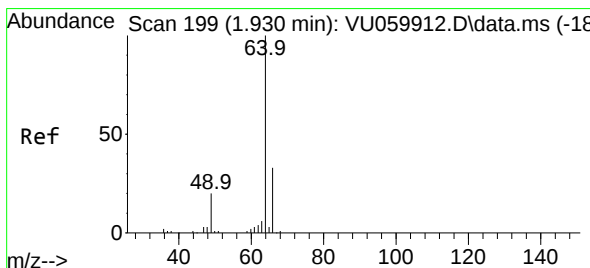
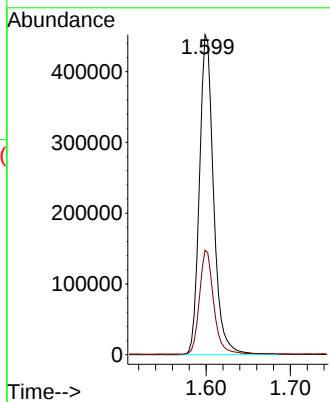
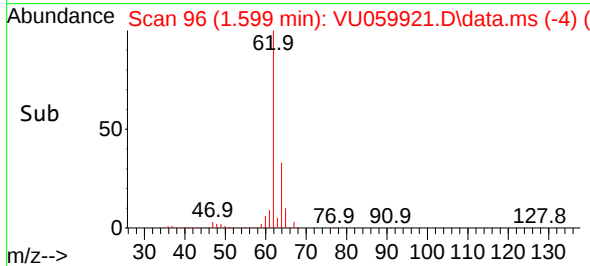
Instrument :
 MSVOA_U
 ClientSampleId :
 YDZC5



Tgt Ion: 62 Resp: 530400
 Ion Ratio Lower Upper
 62 100
 64 32.6 23.1 42.9

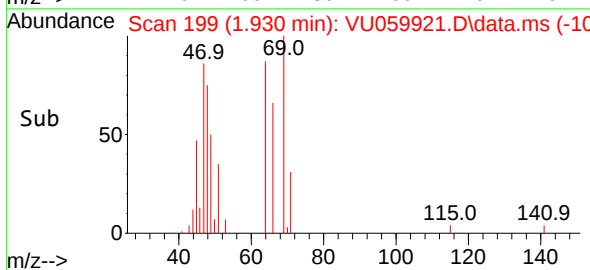
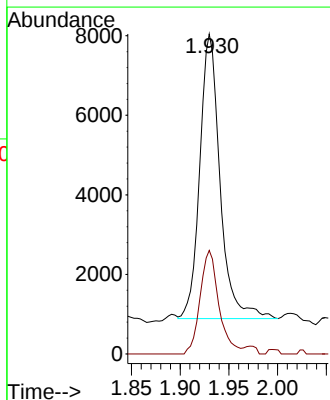
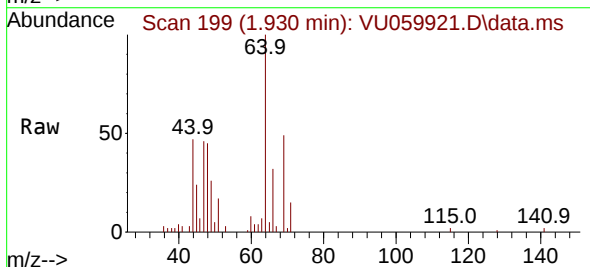
Manual Integrations
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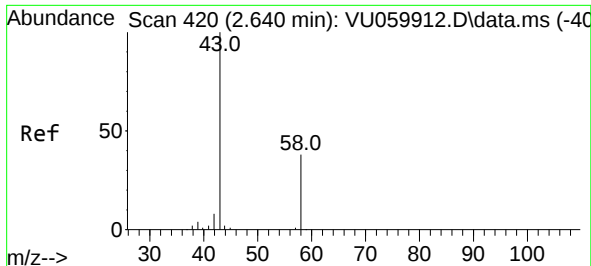
Reviewed By :Mahesh Dadoda 07/15/2024
 Supervised By :Semsettin Yesilyurt 07/15/2024



#8
 Chloroethane
 Concen: 0.980 ug/L
 RT: 1.930 min Scan# 199
 Delta R.T. 0.000 min
 Lab File: VU059921.D
 Acq: 12 Jul 2024 15:03

Tgt Ion: 64 Resp: 10386
 Ion Ratio Lower Upper
 64 100
 66 32.4 23.2 43.2





#13

Acetone

Concen: 105.023 ug/L

RT: 2.637 min Scan# 419

Delta R.T. -0.003 min

Lab File: VU059921.D

Acq: 12 Jul 2024 15:03

Instrument :

MSVOA_U

ClientSampleId :

YDZC5

Tgt Ion: 43 Resp: 170438

Ion Ratio Lower Upper

43 100

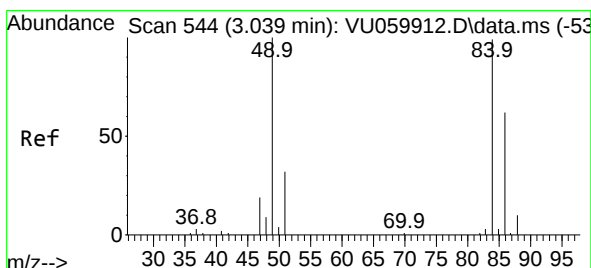
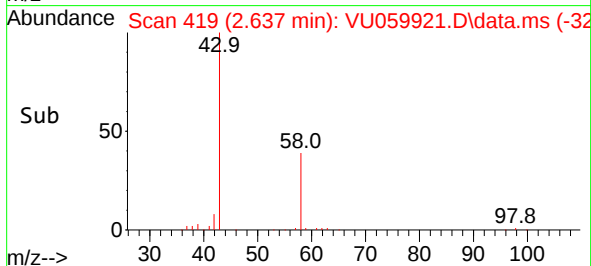
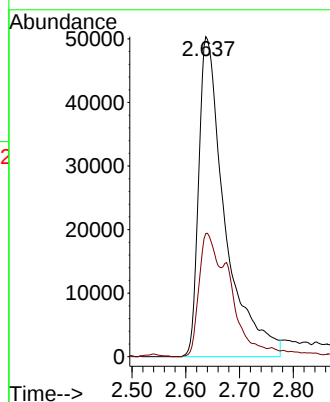
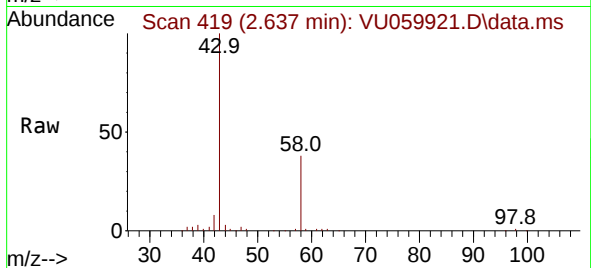
58 28.1 0.0 68.0

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/15/2024



#16

Methylene chloride

Concen: 0.203 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.003 min

Lab File: VU059921.D

Acq: 12 Jul 2024 15:03

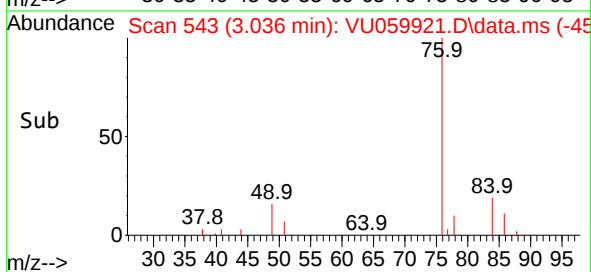
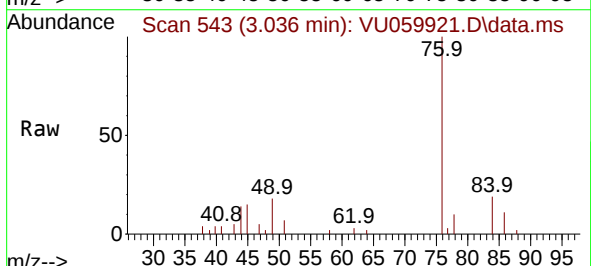
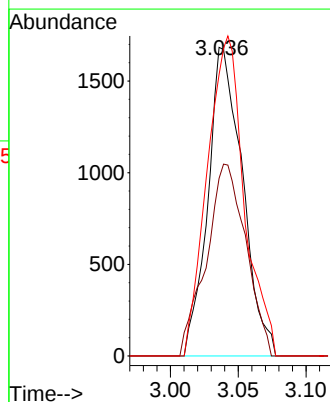
Tgt Ion: 84 Resp: 2983

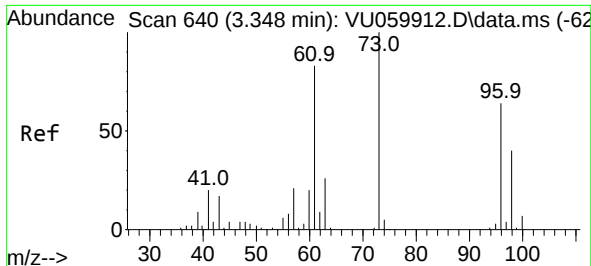
Ion Ratio Lower Upper

84 100

86 57.5 42.1 78.1

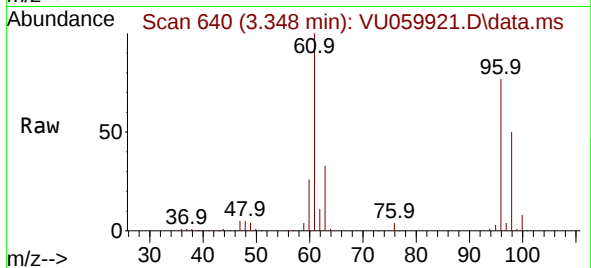
49 91.2 80.6 149.8





#18
trans-1,2-Dichloroethene
Concen: 17.402 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU059921.D
Acq: 12 Jul 2024 15:03

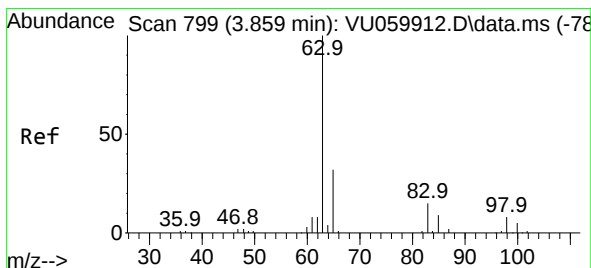
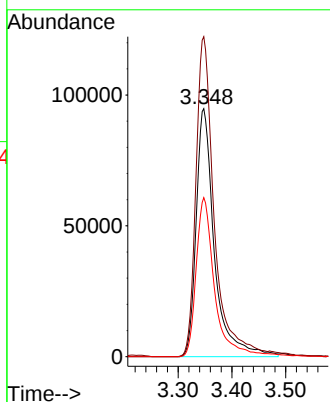
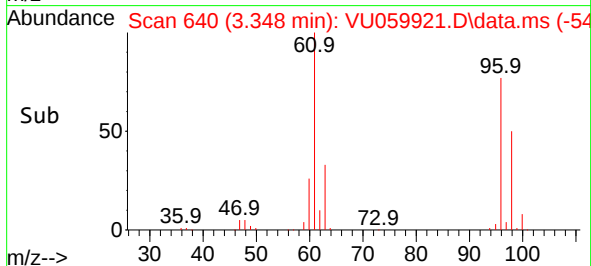
Instrument :
MSVOA_U
ClientSampleId :
YDZC5



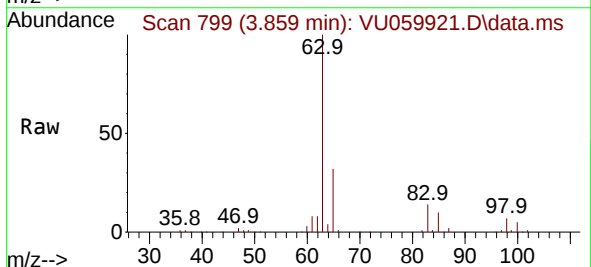
Tgt Ion: 96 Resp: 224192
Ion Ratio Lower Upper
96 100
61 129.0 101.8 189.0
98 64.1 43.3 80.5

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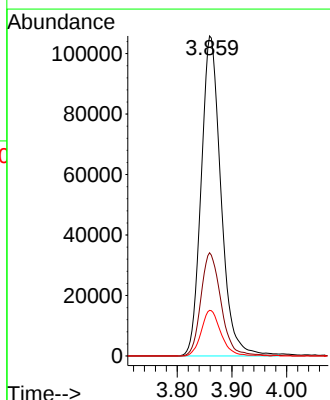
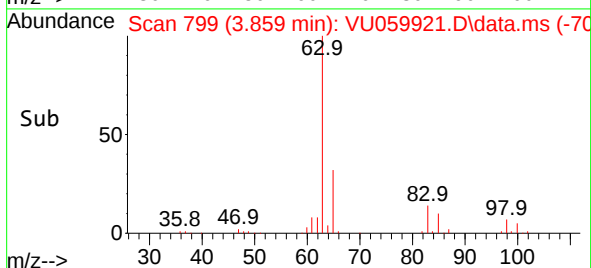
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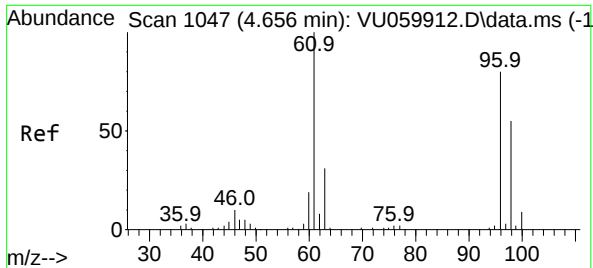


#19
1,1-Dichloroethane
Concen: 11.186 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU059921.D
Acq: 12 Jul 2024 15:03



Tgt Ion: 63 Resp: 265753
Ion Ratio Lower Upper
63 100
65 32.2 21.8 40.6
83 14.3 9.9 18.5





#22

cis-1,2-Dichloroethene

Concen: 1631.676 ug/L m

RT: 4.647 min Scan# 1044

Delta R.T. -0.010 min

Lab File: VU059921.D

Acq: 12 Jul 2024 15:03

Instrument :

MSVOA_U

ClientSampleId :

YDZC5

Tgt Ion: 96 Resp:2317052

Ion Ratio Lower Upper

96 100

61 100.0 87.4 162.2

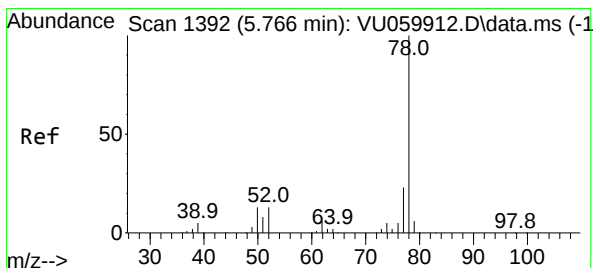
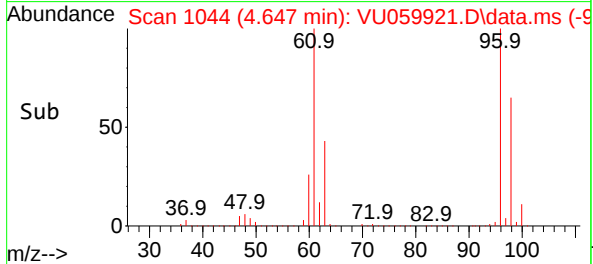
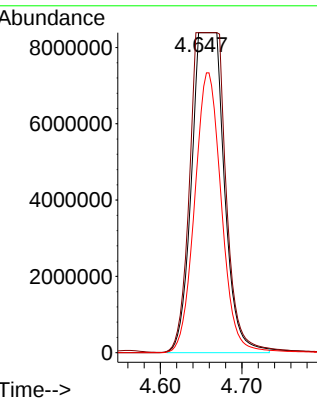
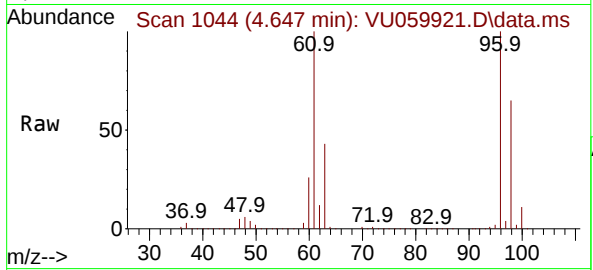
98 64.9 42.3 78.5

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#33

Benzene

Concen: 5.789 ug/L

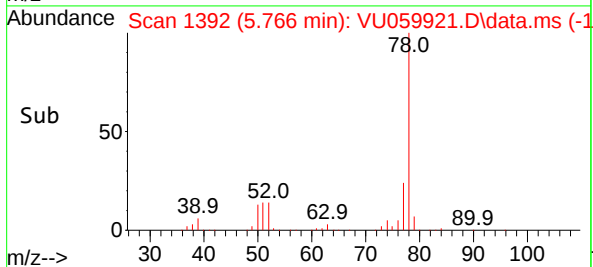
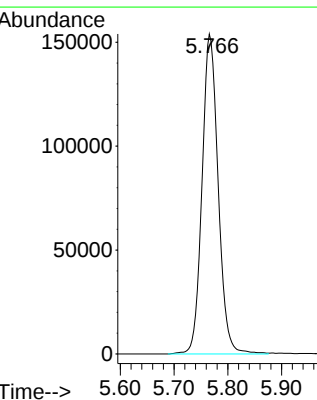
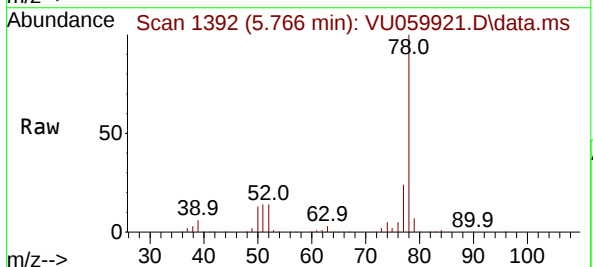
RT: 5.766 min Scan# 1392

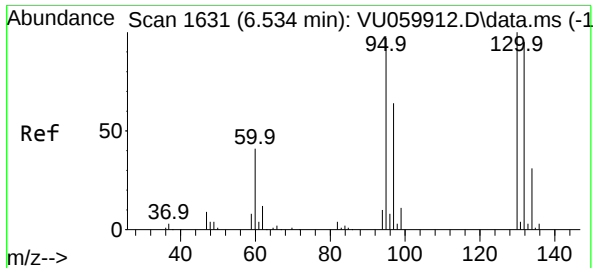
Delta R.T. 0.000 min

Lab File: VU059921.D

Acq: 12 Jul 2024 15:03

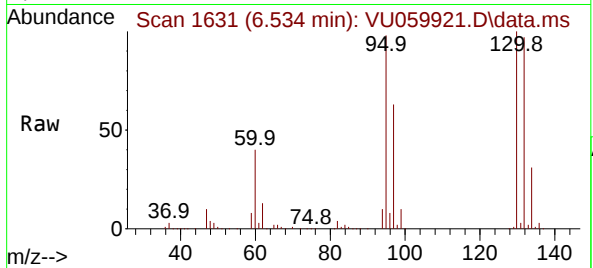
Tgt Ion: 78 Resp: 320802





#34
Trichloroethene
Concen: 46.925 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU059921.D
Acq: 12 Jul 2024 15:03

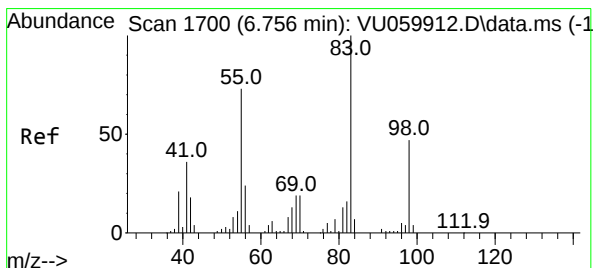
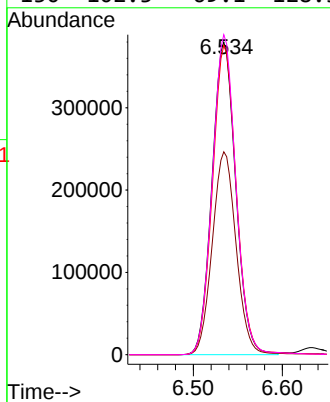
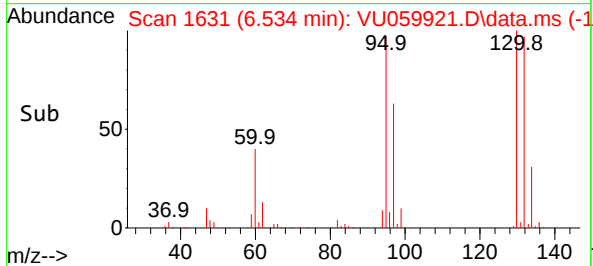
Instrument :
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Tgt Ion: 95 Resp: 70418
Ion Ratio Lower Upper
95 100
97 64.9 45.3 84.1
132 98.9 64.0 119.0
130 102.3 69.1 128.3

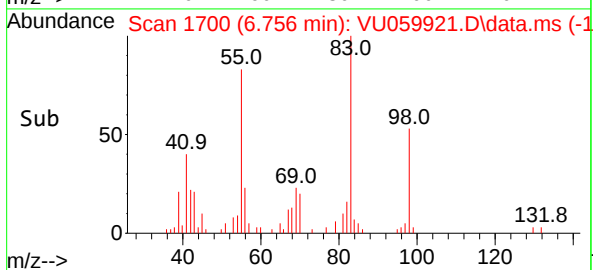
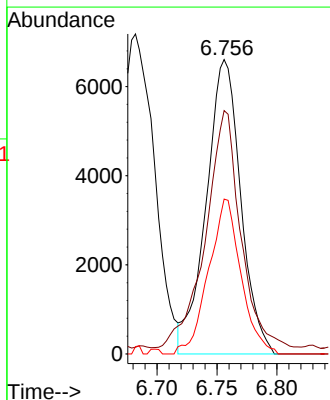
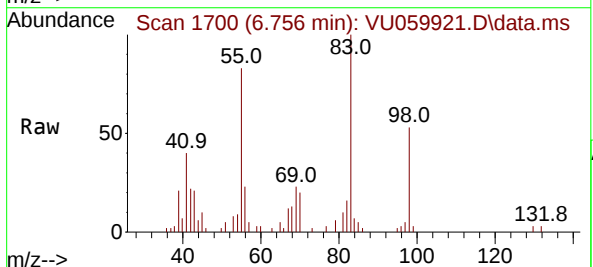
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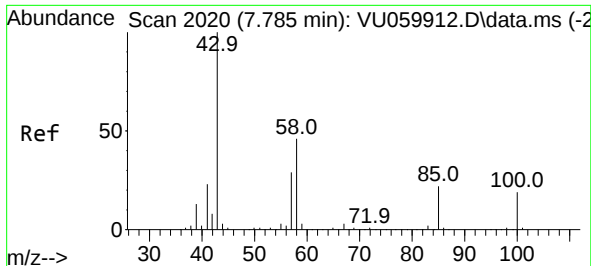
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#35
Methylcyclohexane
Concen: 0.619 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU059921.D
Acq: 12 Jul 2024 15:03

Tgt Ion: 83 Resp: 13213
Ion Ratio Lower Upper
83 100
55 81.0 62.7 94.1
98 49.2 35.4 53.0





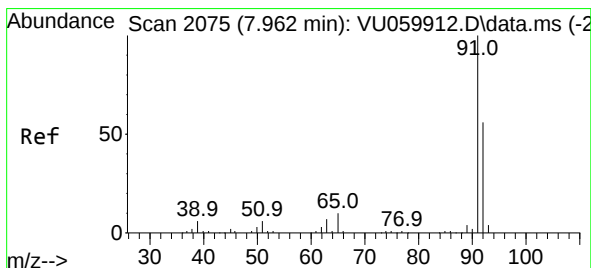
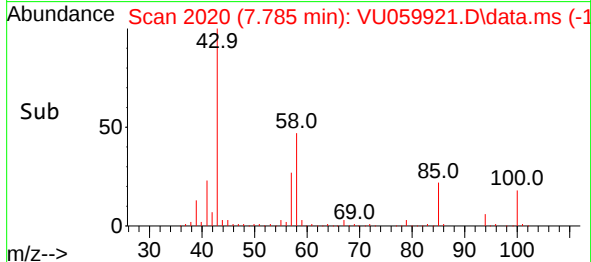
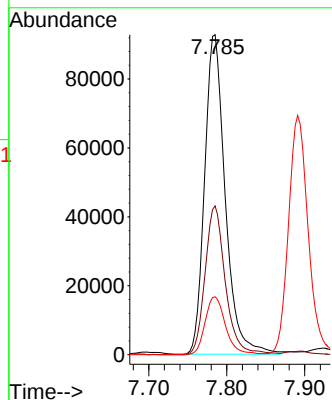
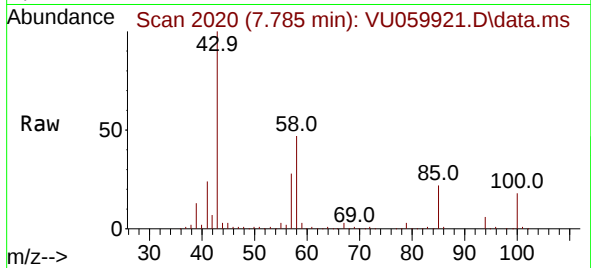
#40
4-Methyl-2-pentanone
Concen: 25.706 ug/L
RT: 7.785 min Scan# 2020
Delta R.T. 0.000 min
Lab File: VU059921.D
Acq: 12 Jul 2024 15:03

Instrument :
MSVOA_U
ClientSampleId :
YDZC5

Tgt Ion: 43 Resp: 17081
Ion Ratio Lower Upper
43 100
58 45.9 34.0 51.0
100 18.0 12.1 18.1

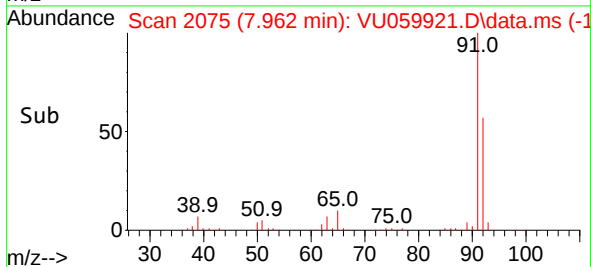
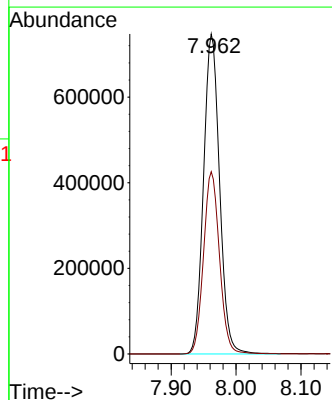
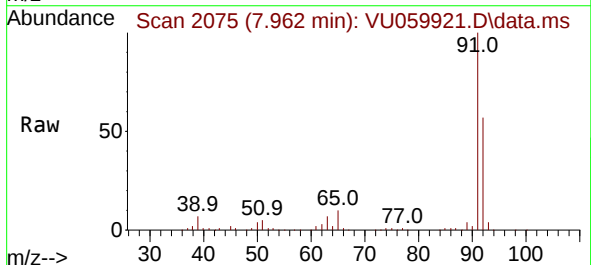
Manual Integrations
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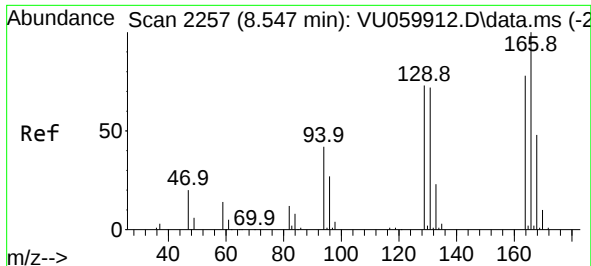
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#42
Toluene
Concen: 21.891 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU059921.D
Acq: 12 Jul 2024 15:03

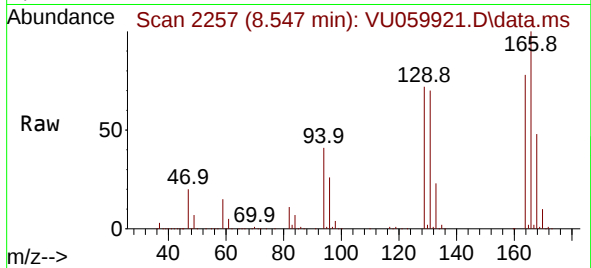
Tgt Ion: 91 Resp: 1284256
Ion Ratio Lower Upper
91 100
92 57.0 39.7 73.7





#47
Tetrachloroethene
Concen: 88.949 ug/L
RT: 8.547 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059921.D
Acq: 12 Jul 2024 15:03

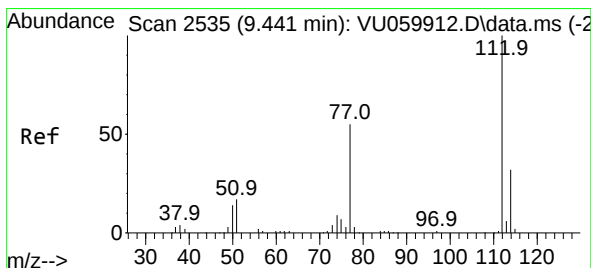
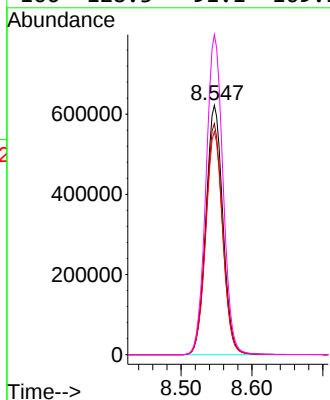
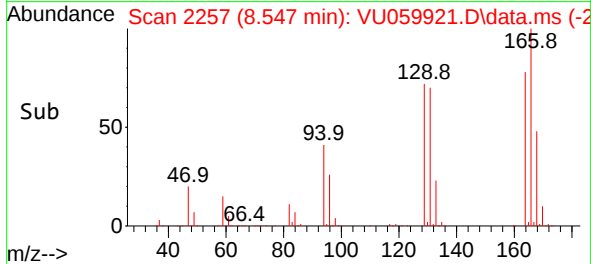
Instrument :
MSVOA_U
ClientSampleId :
YDZC5



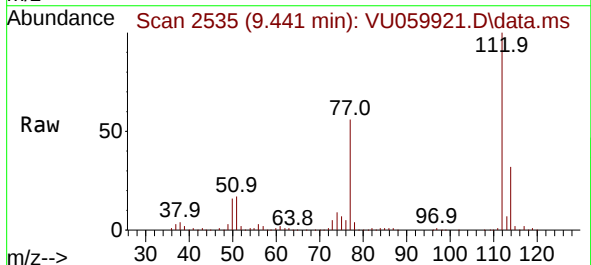
Tgt Ion:164 Resp: 103578
Ion Ratio Lower Upper
164 100
129 92.6 70.8 131.4
131 89.4 64.8 120.3
166 128.3 91.1 169.1

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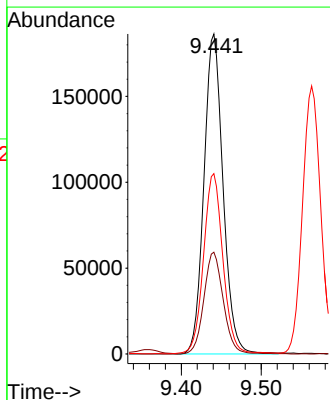
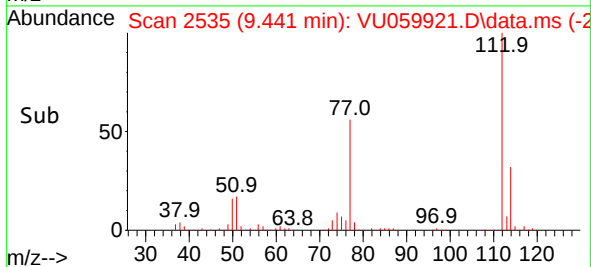
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024

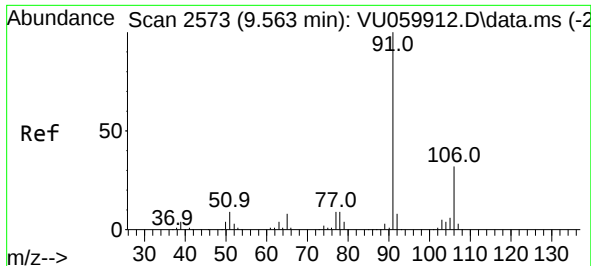


#51
Chlorobenzene
Concen: 8.344 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059921.D
Acq: 12 Jul 2024 15:03



Tgt Ion:112 Resp: 310471
Ion Ratio Lower Upper
112 100
114 31.8 22.4 41.6
77 56.4 49.1 73.7





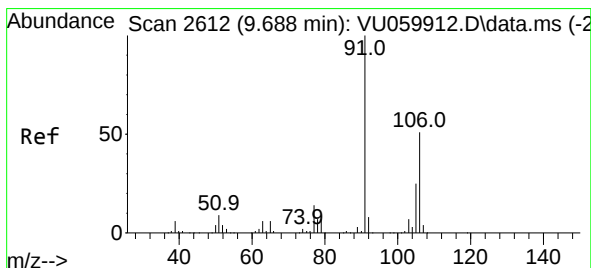
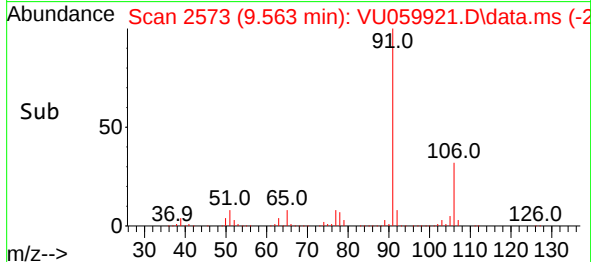
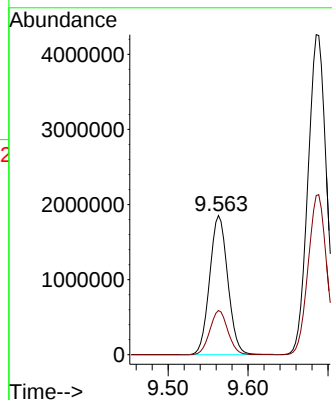
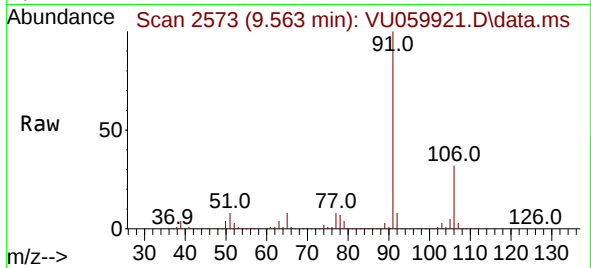
#52
Ethylbenzene
Concen: 48.651 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU059921.D
Acq: 12 Jul 2024 15:03

Instrument :
MSVOA_U
ClientSampleId :
YDZC5

Tgt Ion: 91 Resp: 2927798
Ion Ratio Lower Upper
91 100
106 31.7 20.9 38.7

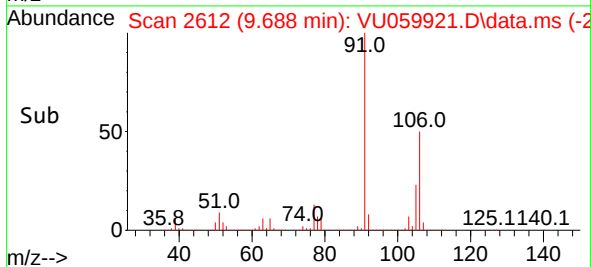
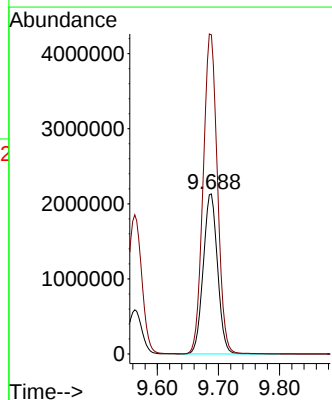
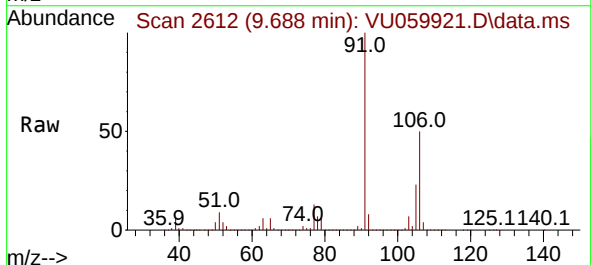
Manual Integrations
APPROVED

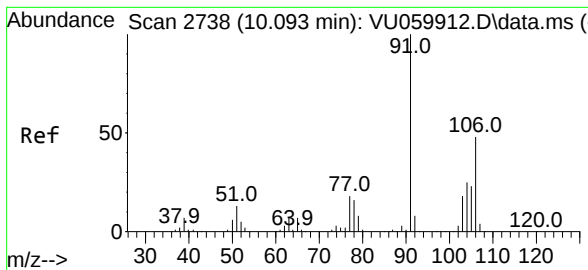
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#53
m,p-Xylene
Concen: 149.804 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059921.D
Acq: 12 Jul 2024 15:03

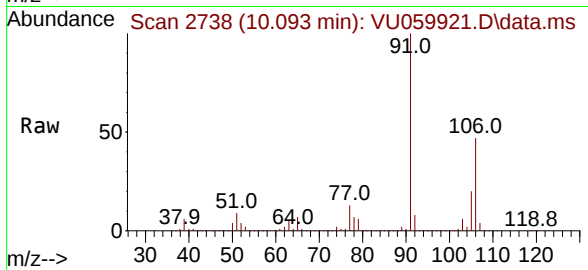
Tgt Ion:106 Resp: 3462423
Ion Ratio Lower Upper
106 100
91 199.6 142.0 263.8





#54
o-Xylene
Concen: 190.405 ug/L
RT: 10.093 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059921.D
Acq: 12 Jul 2024 15:03

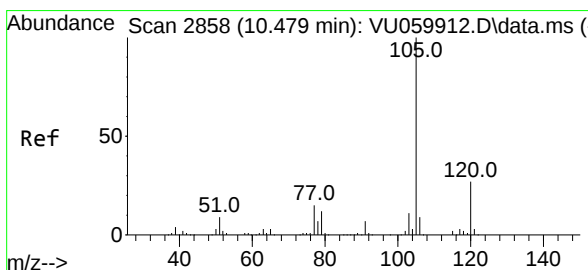
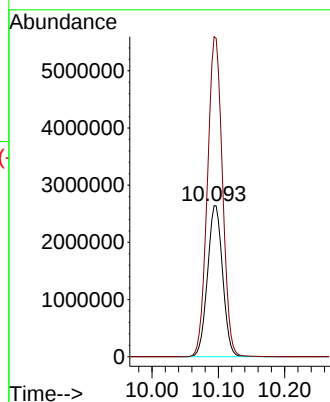
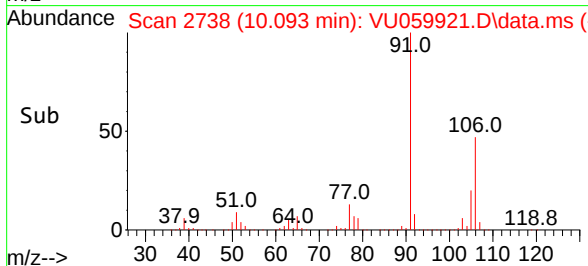
Instrument :
MSVOA_U
ClientSampleId :
YDZC5



Tgt Ion:106 Resp: 4176584
Ion Ratio Lower Upper
106 100
91 211.8 151.6 281.6

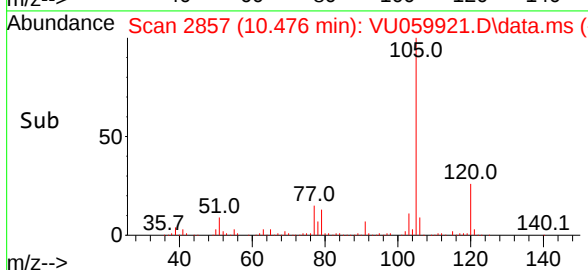
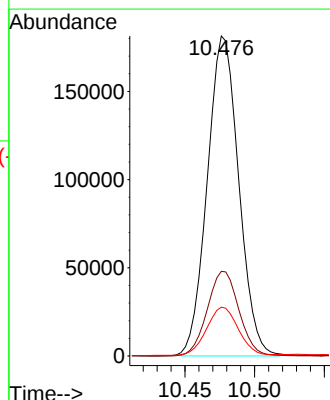
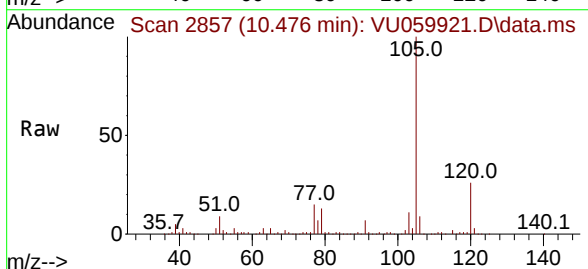
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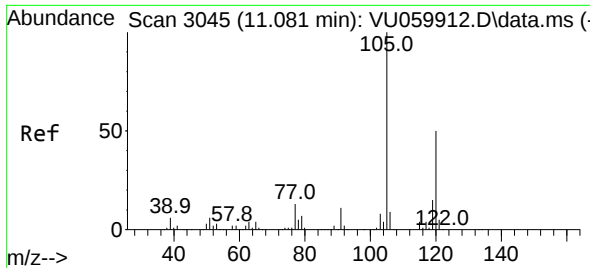
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#60
Isopropylbenzene
Concen: 4.132 ug/L m
RT: 10.476 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VU059921.D
Acq: 12 Jul 2024 15:03

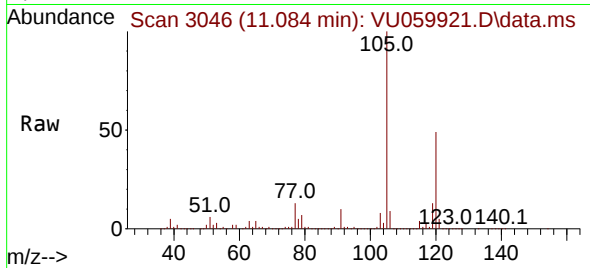
Tgt Ion:105 Resp: 284792
Ion Ratio Lower Upper
105 100
120 0.0 20.6 31.0#
77 386.4 12.8 19.2#





#62
 1,3,5-Trimethylbenzene
 Concen: 91.623 ug/L
 RT: 11.084 min Scan# 3045
 Delta R.T. 0.003 min
 Lab File: VU059921.D
 Acq: 12 Jul 2024 15:03

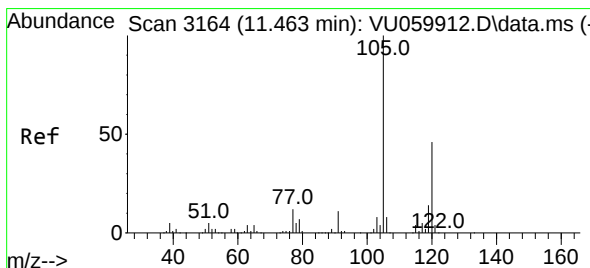
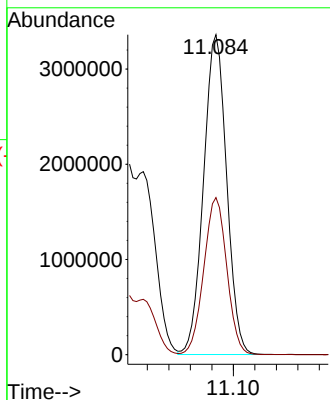
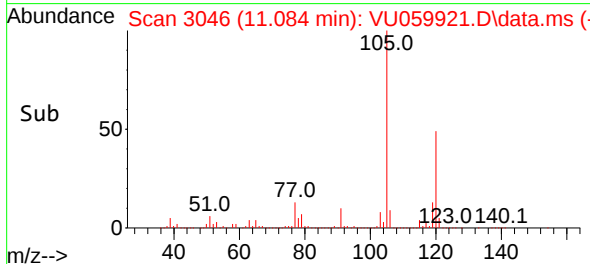
Instrument :
 MSVOA_U
 ClientSampleId :
 YDZC5



Tgt Ion:105 Resp: 5002590
 Ion Ratio Lower Upper
 105 100
 120 49.0 38.2 57.4

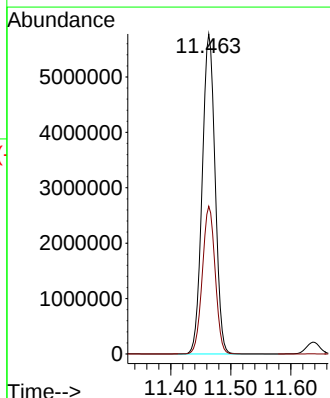
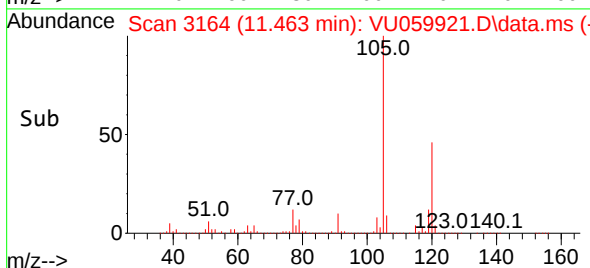
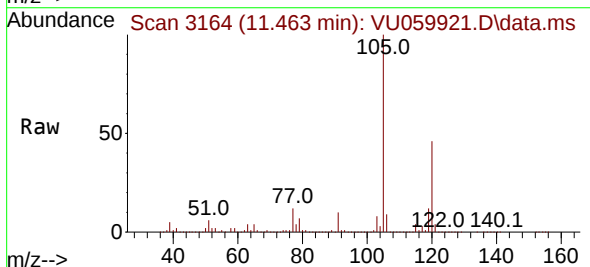
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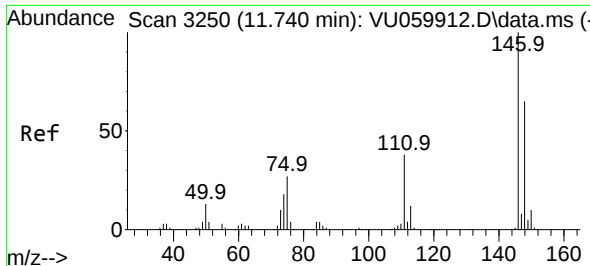
Reviewed By :Mahesh Dadoda 07/15/2024
 Supervised By :Semsettin Yesilyurt 07/15/2024



#63
 1,2,4-Trimethylbenzene
 Concen: 165.494 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU059921.D
 Acq: 12 Jul 2024 15:03

Tgt Ion:105 Resp: 8638847
 Ion Ratio Lower Upper
 105 100
 120 46.0 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 9.633 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU059921.D

Acq: 12 Jul 2024 15:03

Instrument :

MSVOA_U

ClientSampleId :

YDZC5

Tgt Ion:146 Resp: 337682

Ion Ratio Lower Upper

146 100

111 41.0 27.4 51.0

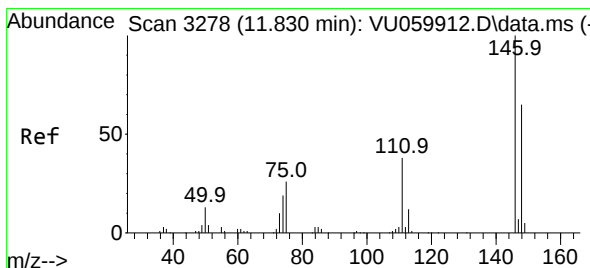
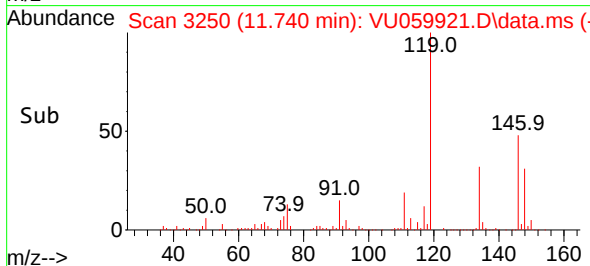
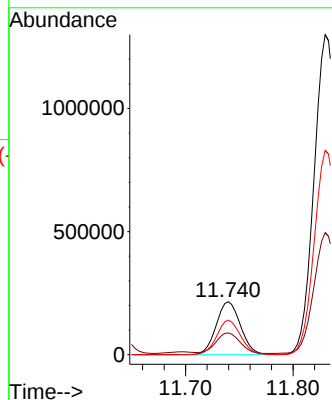
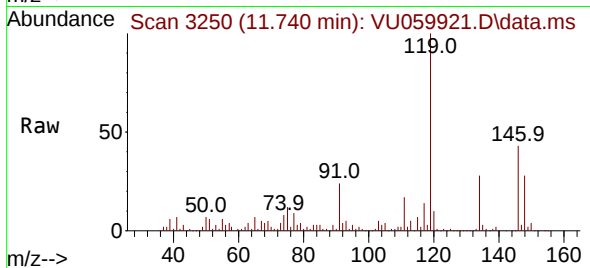
148 65.1 45.0 83.6

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/15/2024

Supervised By :Semsettin Yesilyurt 07/15/2024



#65

1,4-Dichlorobenzene

Concen: 56.665 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU059921.D

Acq: 12 Jul 2024 15:03

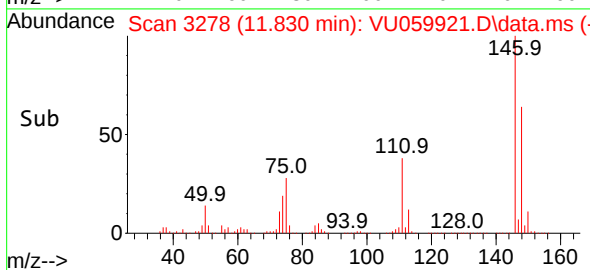
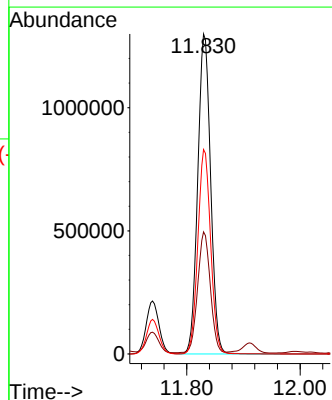
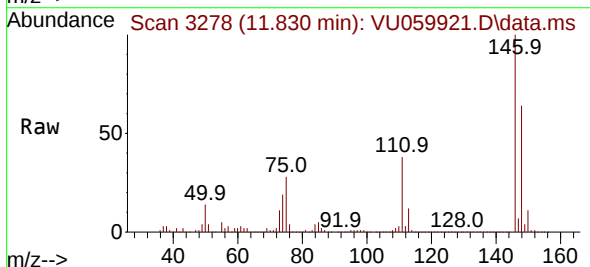
Tgt Ion:146 Resp: 2044519

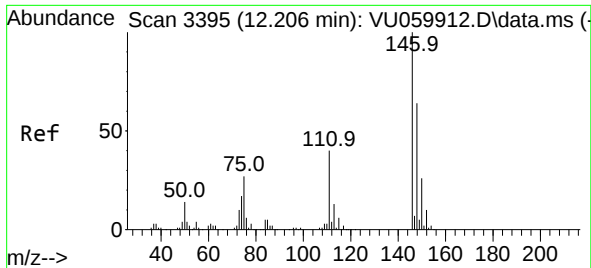
Ion Ratio Lower Upper

146 100

111 38.2 26.9 50.1

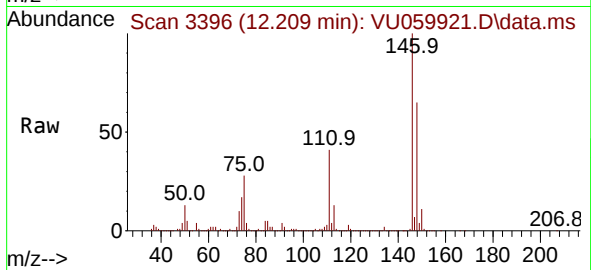
148 63.9 45.3 84.1





#67
 1,2-Dichlorobenzene
 Concen: 264.302 ug/L
 RT: 12.209 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU059921.D
 Acq: 12 Jul 2024 15:03

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZC5



Tgt Ion:146 Resp: 8718514
 Ion Ratio Lower Upper
 146 100
 111 41.3 33.4 50.0
 148 64.6 49.7 74.5

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/15/2024
 Supervised By :Semsettin Yesilyurt 07/15/2024

