

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071224\
 Data File : VU059922.D
 Acq On : 12 Jul 2024 15:25
 Operator : MD/SY
 Sample : P3217-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZC7

Manual Integrations
 APPROVED

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

Quant Time: Jul 13 03:57:04 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	194301	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	195780	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	112243	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	138927	10.283	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	205.600%#
7) Chloroethane-d5	1.908	69	43260	3.328	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	66.600%
11) 1,1-Dichloroethene-d2	2.563	65	20946	3.737	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.800%
20) 2-Butanone-d5	4.634	46	148574	53.386	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.780%
24) Chloroform-d	5.055	84	94941	3.424	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.400%#
26) 1,2-Dichloroethane-d4	5.695	65	49531	3.708	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.200%
32) Benzene-d6	5.721	84	200649	3.724	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.400%
36) 1,2-Dichloropropane-d6	6.682	67	62700	3.798	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.000%
41) Toluene-d8	7.894	98	191595	3.825	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.400%
43) trans-1,3-Dichloroprop...	8.174	79	23807	4.605	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.624	63	124516	57.964	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.920%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	57751	4.233	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	83657	4.188	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.596	62	10897870	556.749	ug/L	99
8) Chloroethane	1.930	64	5909	0.501	ug/L	89
13) Acetone	2.637	43	736533	407.982	ug/L	96
18) trans-1,2-Dichloroethene	3.348	96	107476	7.499	ug/L	91
19) 1,1-Dichloroethane	3.862	63	33378	1.263	ug/L	97
22) cis-1,2-Dichloroethene	4.650	96	21851585m	1383.294	ug/L	
33) Benzene	5.766	78	631065	10.614	ug/L	100
34) Trichloroethene	6.541	95	12611	0.783	ug/L	96
35) Methylcyclohexane	6.756	83	12515	0.546	ug/L	95
40) 4-Methyl-2-pentanone	7.792	43	12180	1.708	ug/L #	86
42) Toluene	7.955	91	21301674m	338.420	ug/L	
47) Tetrachloroethene	8.547	164	5870	0.470	ug/L	88
51) Chlorobenzene	9.438	112	3269916	81.909	ug/L	95
52) Ethylbenzene	9.563	91	3146309	48.728	ug/L	95
53) m,p-Xylene	9.685	106	4987986	201.140	ug/L	97
54) o-Xylene	10.094	106	2637072	112.049	ug/L	97
60) Isopropylbenzene	10.476	105	358545	5.171	ug/L #	84
62) 1,3,5-Trimethylbenzene	11.081	105	1837154	33.445	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	6928018	131.921	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.740	146	29555	0.838	ug/L	99
65) 1,4-Dichlorobenzene	11.830	146	230606	6.353	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	3328720	100.302	ug/L	97
70) 1,2,4-trichlorobenzene	13.833	180	115438	5.765	ug/L #	93
72) 1,2,3-Trichlorobenzene	14.322	180	48522	2.610	ug/L #	83

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

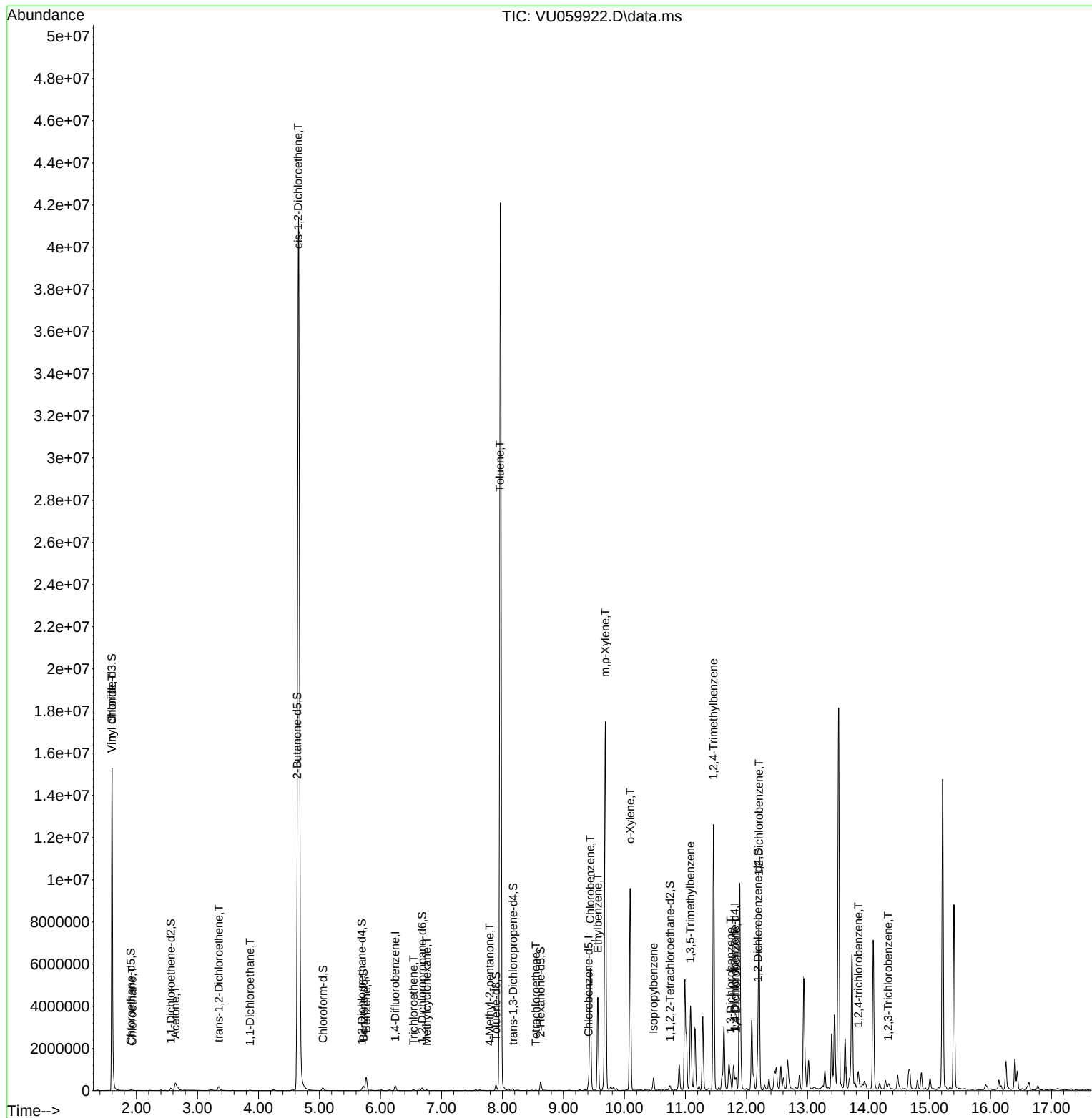
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071224\
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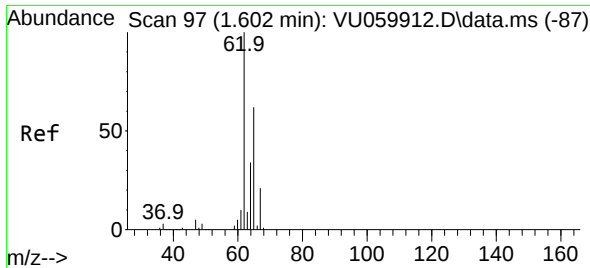
Instrument :
MSVOA_U
ClientSampleId :
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Quant Time: Jul 13 03:57:04 2024
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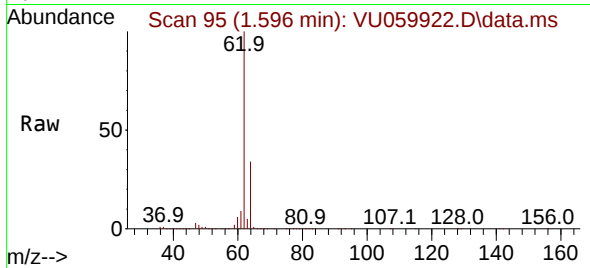
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024





#5
 Vinyl chloride
 Concen: 556.749 ug/L
 RT: 1.596 min Scan# 95
 Delta R.T. -0.006 min
 Lab File: VU059922.D
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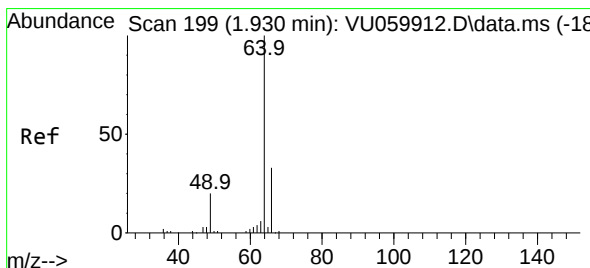
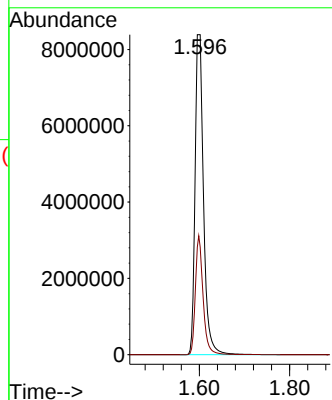
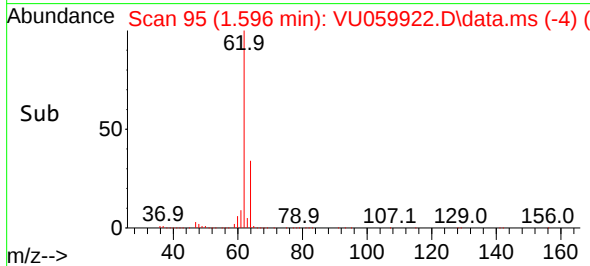
Instrument :
 MSVOA_U
 ClientSampleId :
 YDZC7



Tgt Ion: 62 Resp:10897870
 Ion Ratio Lower Upper
 62 100
 64 33.6 23.1 42.9

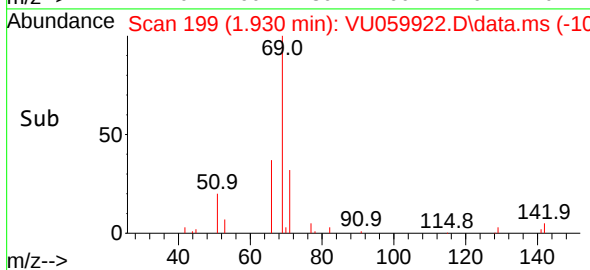
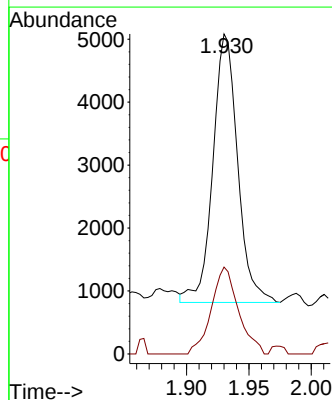
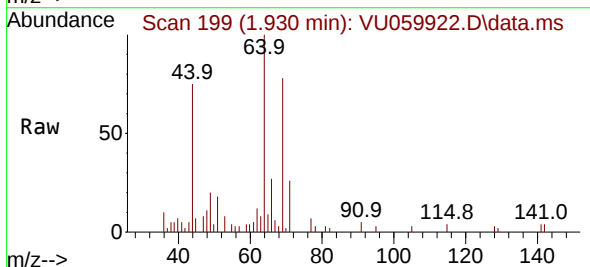
Manual Integrations
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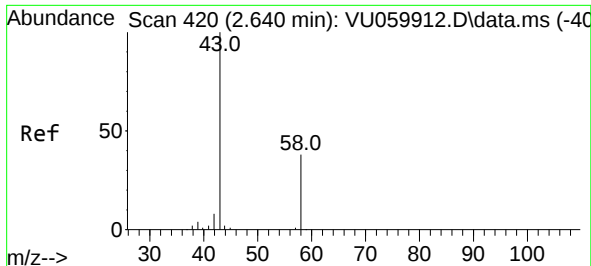
Reviewed By :Mahesh Dadoda 07/15/2024
 Supervised By :Semsettin Yesilyurt 07/15/2024



#8
 Chloroethane
 Concen: 0.501 ug/L
 RT: 1.930 min Scan# 199
 Delta R.T. 0.000 min
 Lab File: VU059922.D
 Acq: 12 Jul 2024 15:25

Tgt Ion: 64 Resp: 5909
 Ion Ratio Lower Upper
 64 100
 66 27.2 23.2 43.2





#13

Acetone

Concen: 407.982 ug/L

RT: 2.637 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU059922.D

Acq: 12 Jul 2024 15:25

Instrument :

MSVOA_U

ClientSampleId :

YDZC7

Tgt Ion: 43 Resp: 73653

Ion Ratio Lower Upper

43 100

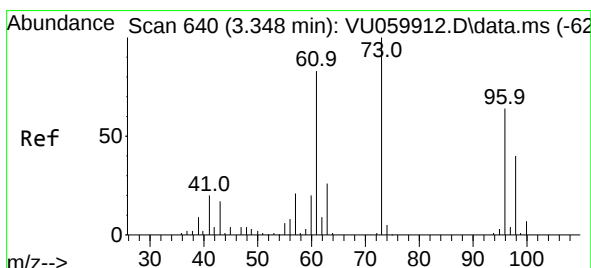
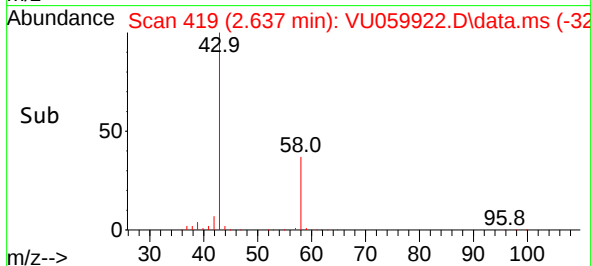
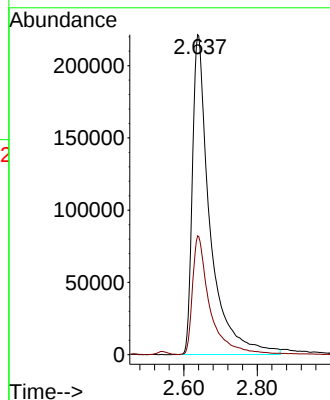
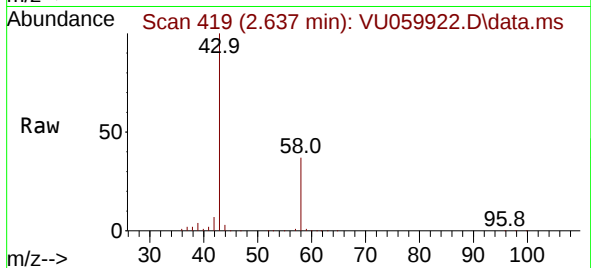
58 36.6 0.0 68.0

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#18

trans-1,2-Dichloroethene

Concen: 7.499 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU059922.D

Acq: 12 Jul 2024 15:25

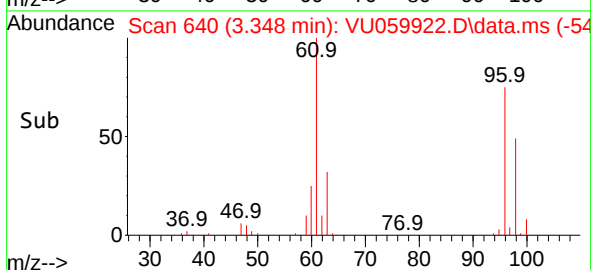
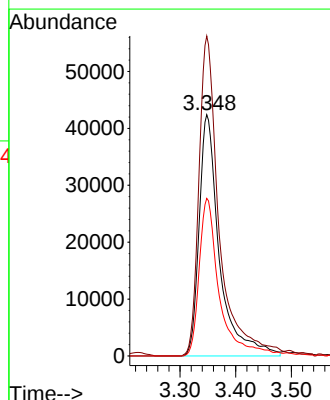
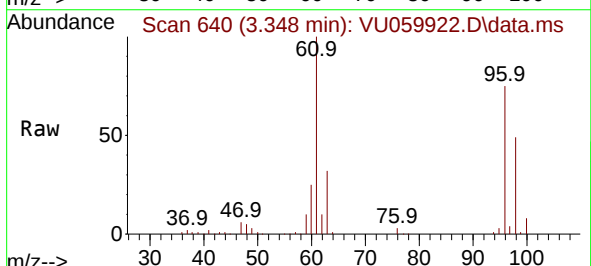
Tgt Ion: 96 Resp: 107476

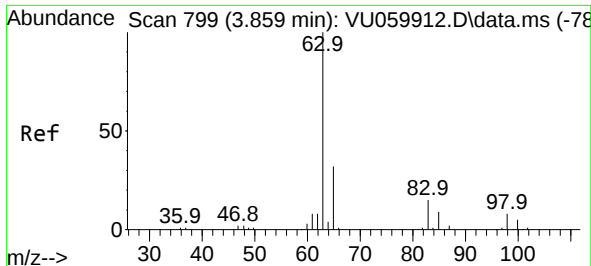
Ion Ratio Lower Upper

96 100

61 132.6 101.8 189.0

98 65.3 43.3 80.5





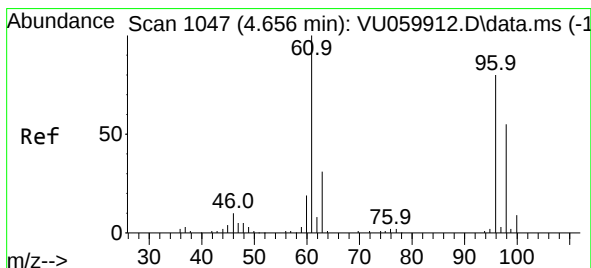
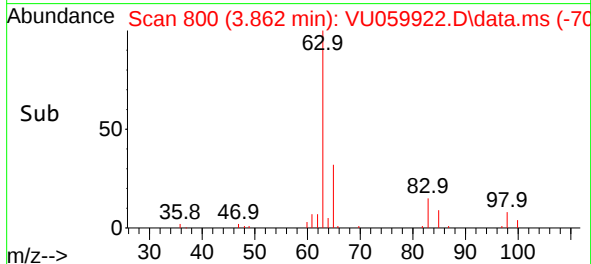
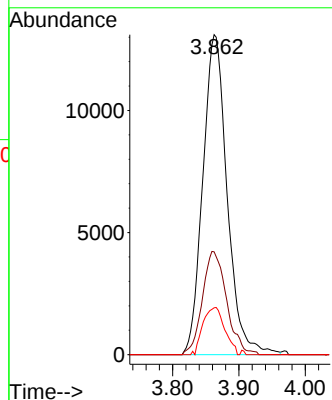
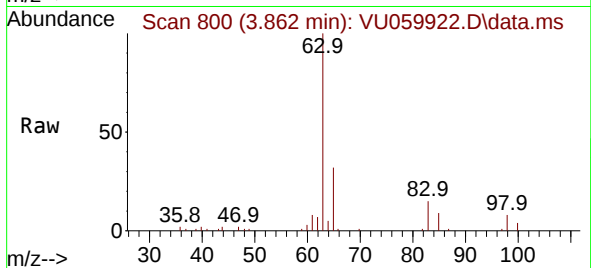
#19
1,1-Dichloroethane
Concen: 1.263 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

Instrument :
MSVOA_U
ClientSampleId :
YDZC7

Tgt Ion: 63 Resp: 33378
Ion Ratio Lower Upper
63 100
65 33.2 21.8 40.6
83 14.6 9.9 18.5

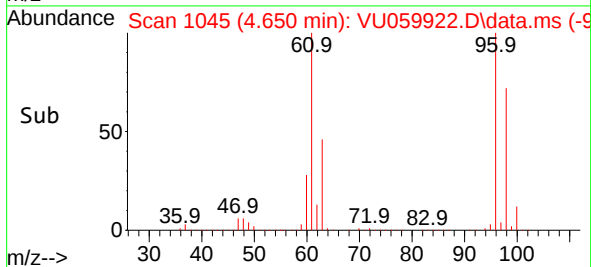
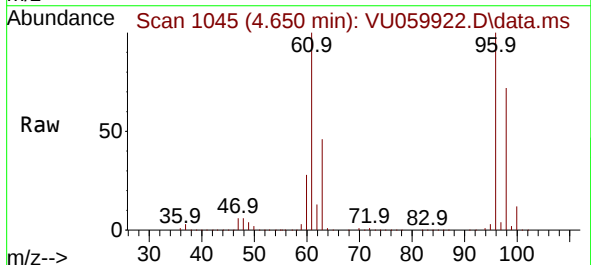
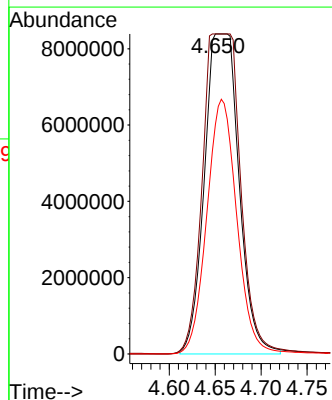
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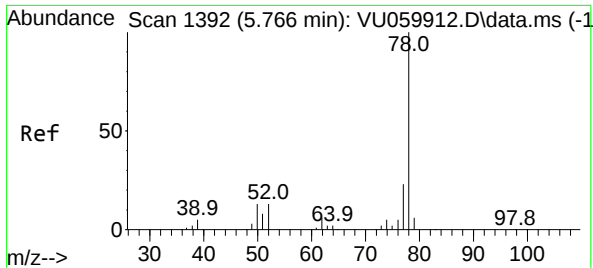
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#22
cis-1,2-Dichloroethene
Concen: 1383.294 ug/L m
RT: 4.650 min Scan# 1045
Delta R.T. -0.006 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

Tgt Ion: 96 Resp:21851585
Ion Ratio Lower Upper
96 100
61 100.0 87.4 162.2
98 71.7 42.3 78.5





#33

Benzene

Concen: 10.614 ug/L

RT: 5.766 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU059922.D

Acq: 12 Jul 2024 15:25

Instrument :

MSVOA_U

ClientSampleId :

YDZC7

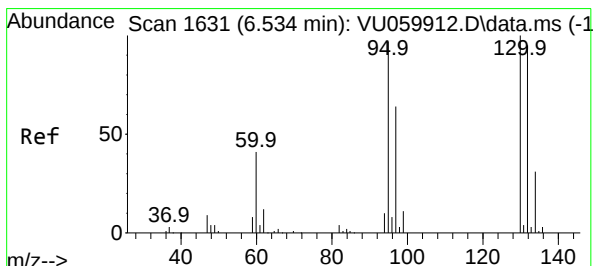
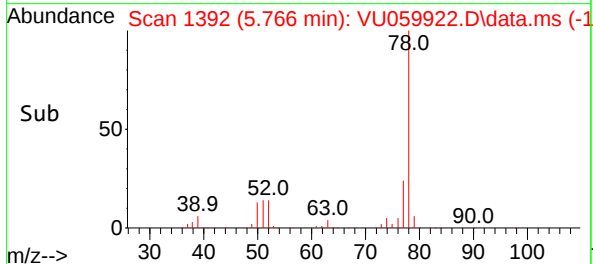
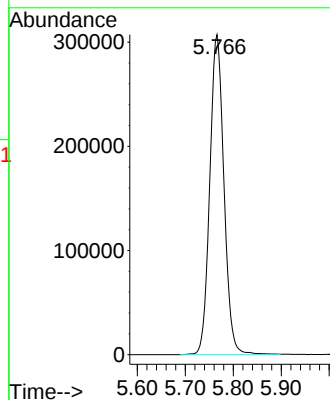
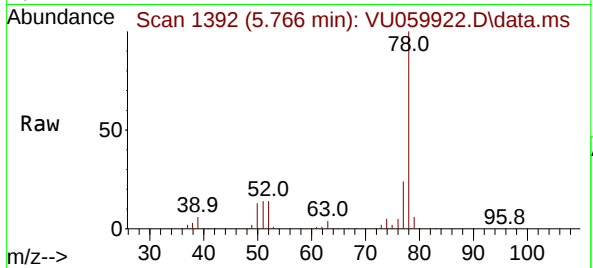
Tgt Ion: 78 Resp: 63106

Manual Integrations

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#34

Trichloroethene

Concen: 0.783 ug/L

RT: 6.541 min Scan# 1633

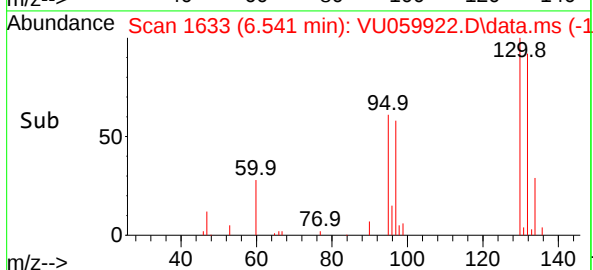
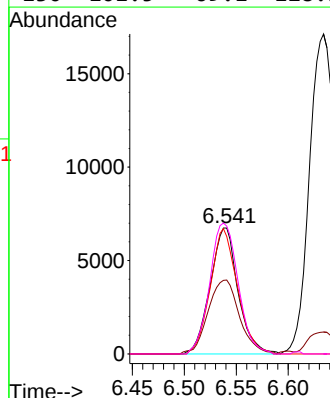
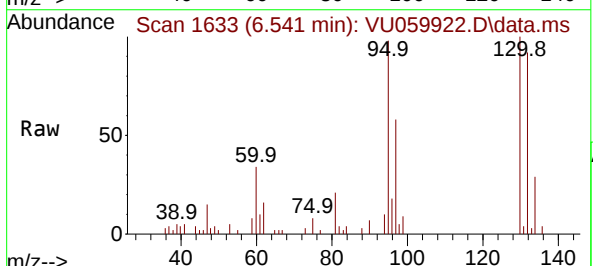
Delta R.T. 0.007 min

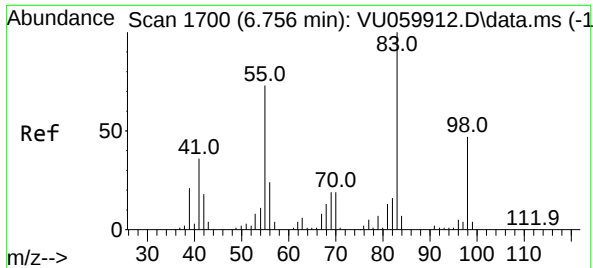
Lab File: VU059922.D

Acq: 12 Jul 2024 15:25

Tgt Ion: 95 Resp: 12611

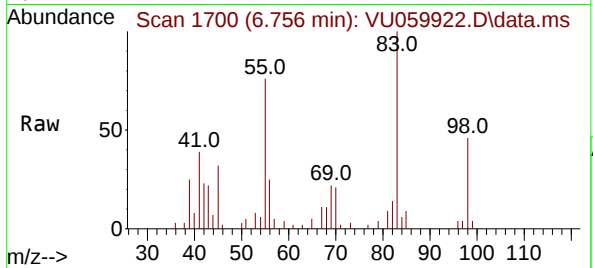
Ion	Ratio	Lower	Upper
95	100		
97	58.7	45.3	84.1
132	93.3	64.0	119.0
130	101.5	69.1	128.3





#35
Methylcyclohexane
Concen: 0.546 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

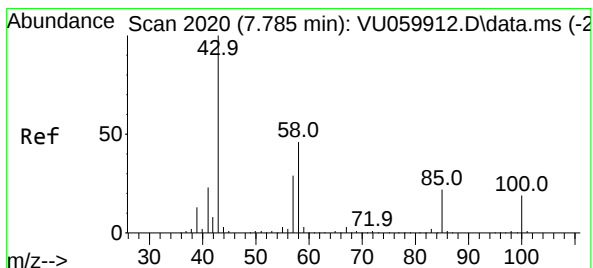
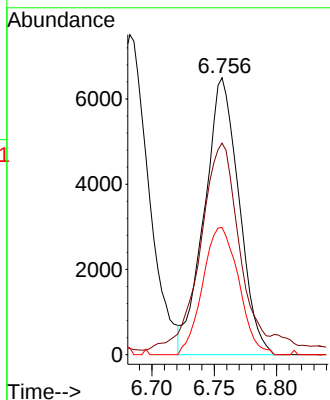
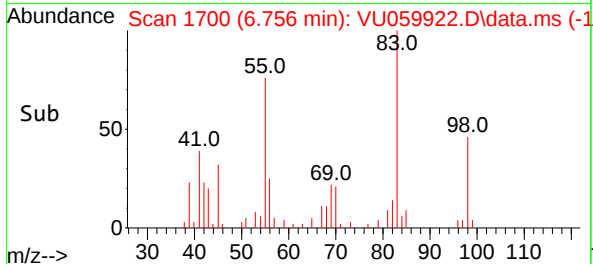
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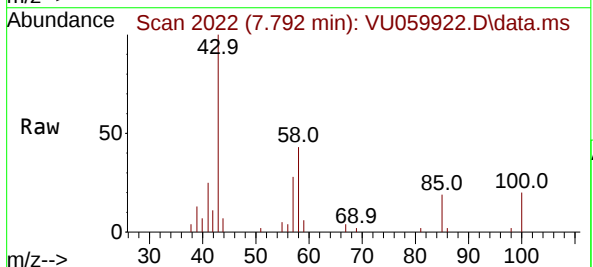
Tgt Ion: 83 Resp: 1251
Ion Ratio Lower Upper
83 100
55 82.7 62.7 94.1
98 47.9 35.4 53.0

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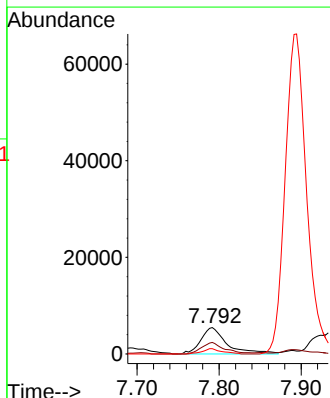
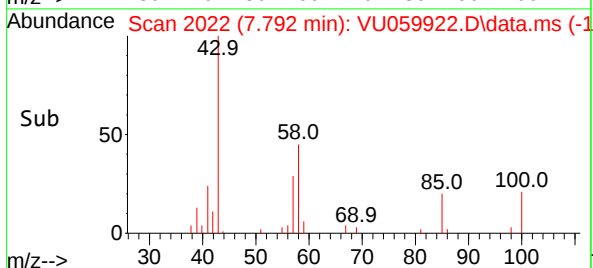
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024

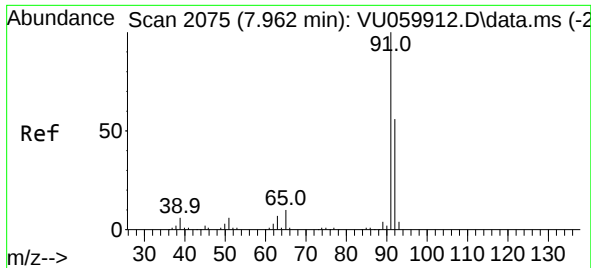


#40
4-Methyl-2-pentanone
Concen: 1.708 ug/L
RT: 7.792 min Scan# 2022
Delta R.T. 0.007 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25



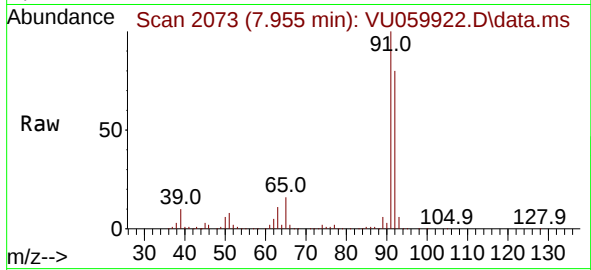
Tgt Ion: 43 Resp: 12180
Ion Ratio Lower Upper
43 100
58 38.3 34.0 51.0
100 0.0 12.1 18.1





#42
Toluene
Concen: 338.420 ug/L m
RT: 7.955 min Scan# 2075
Delta R.T. -0.006 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

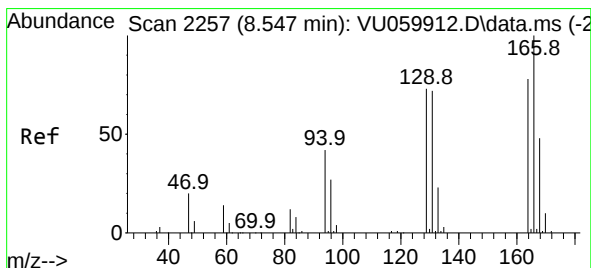
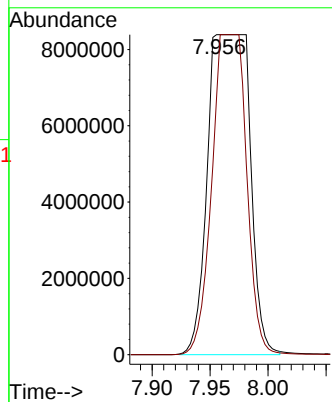
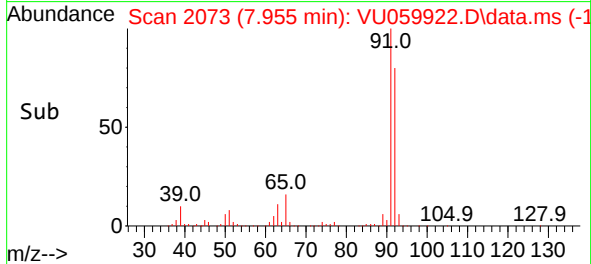
Instrument :
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ClientSampleId :
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Tgt Ion: 91 Resp: 21301674
Ion Ratio Lower Upper
91 100
92 80.1 39.7 73.7

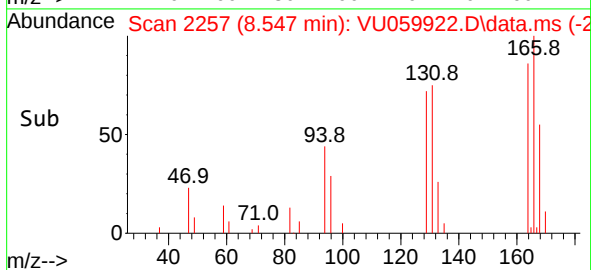
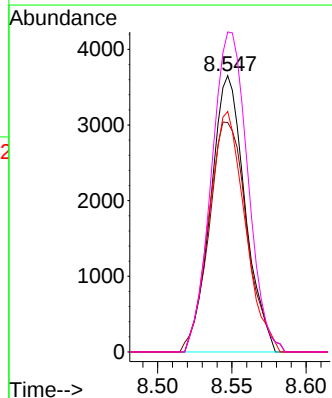
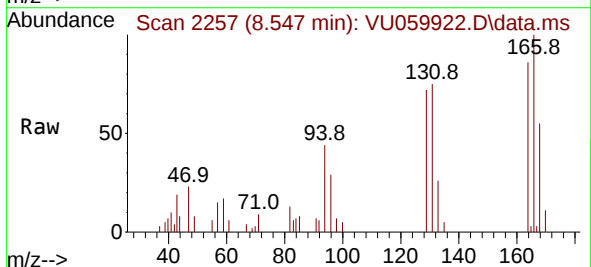
Manual Integrations
APPROVED

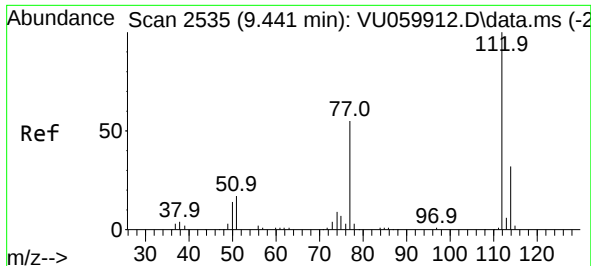
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#47
Tetrachloroethene
Concen: 0.470 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

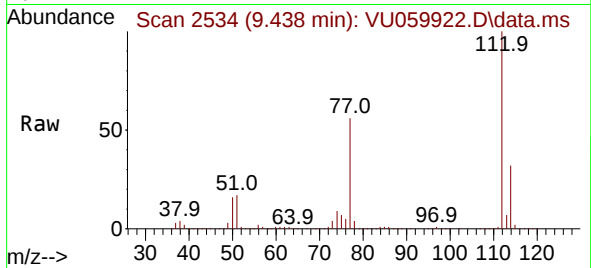
Tgt Ion: 164 Resp: 5870
Ion Ratio Lower Upper
164 100
129 83.0 70.8 131.4
131 87.0 64.8 120.3
166 115.8 91.1 169.1





#51
Chlorobenzene
Concen: 81.909 ug/L
RT: 9.438 min Scan# 2534
Delta R.T. -0.003 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

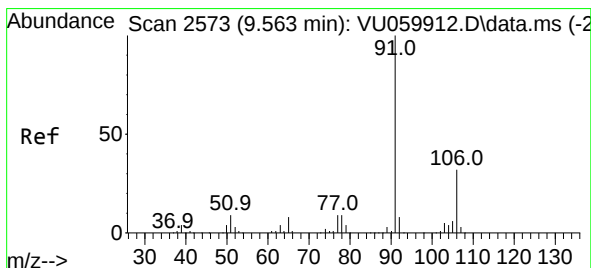
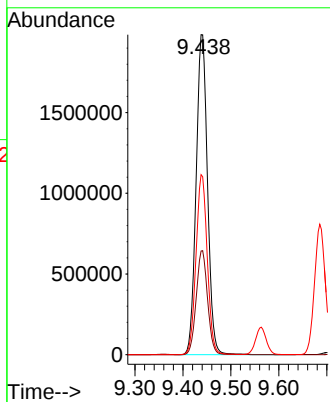
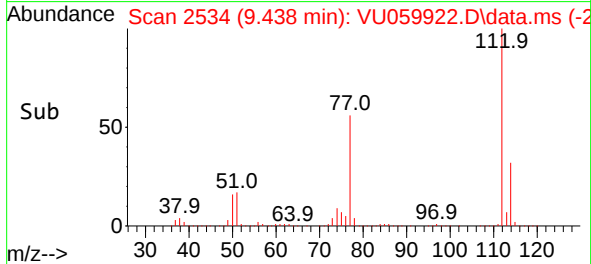
Instrument :
MSVOA_U
ClientSampleId :
YDZC7



Tgt Ion:112 Resp: 3269910
Ion Ratio Lower Upper
112 100
114 32.4 22.4 41.6
77 56.2 49.1 73.7

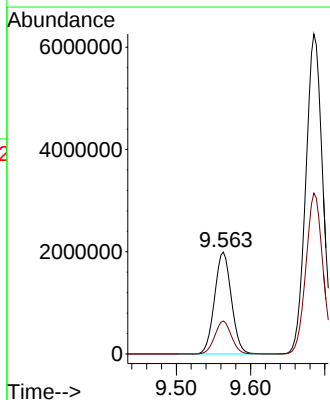
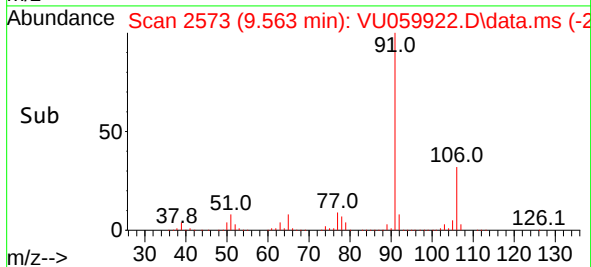
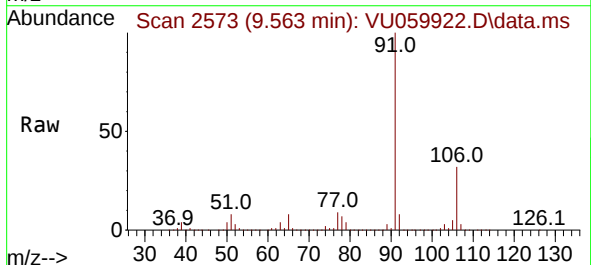
Manual Integrations
APPROVED

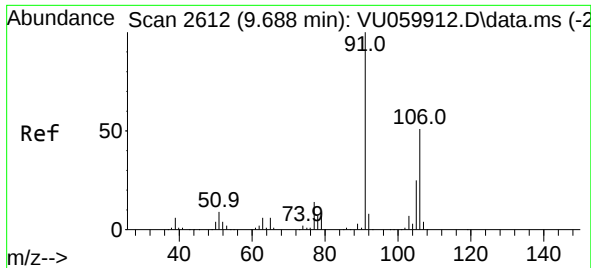
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#52
Ethylbenzene
Concen: 48.728 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

Tgt Ion: 91 Resp: 3146309
Ion Ratio Lower Upper
91 100
106 32.4 20.9 38.7





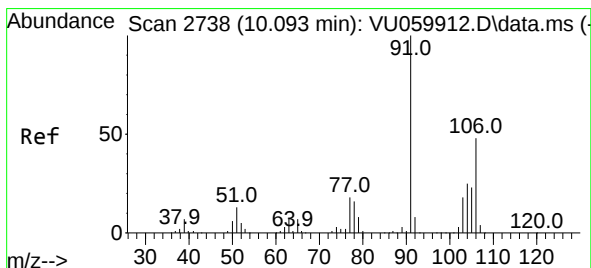
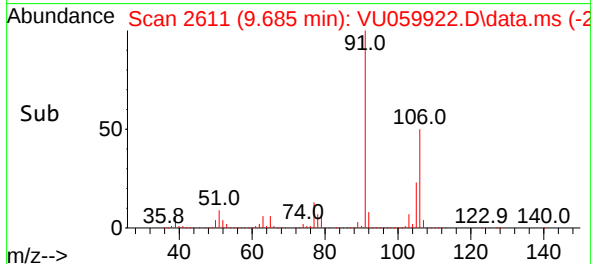
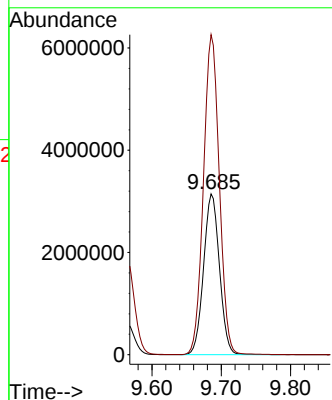
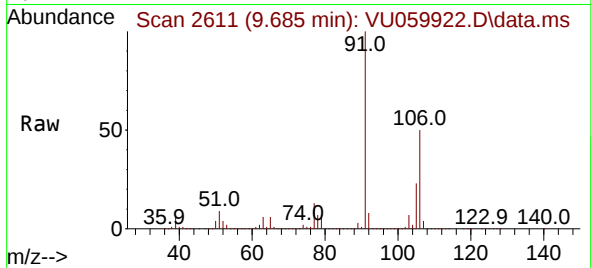
#53
m,p-Xylene
Concen: 201.140 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

Instrument :
MSVOA_U
ClientSampleId :
YDZC7

Tgt Ion:106 Resp: 4987980
Ion Ratio Lower Upper
106 100
91 199.0 142.0 263.8

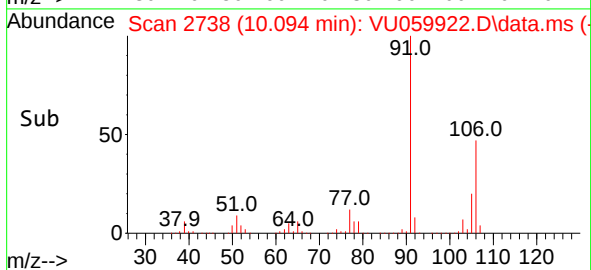
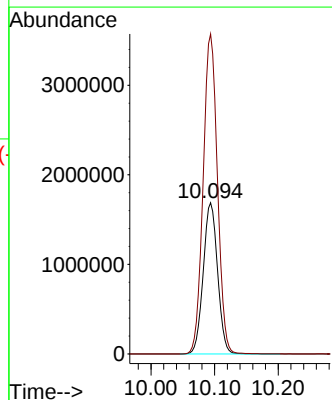
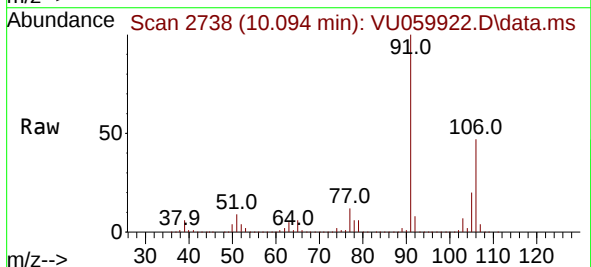
Manual Integrations
APPROVED

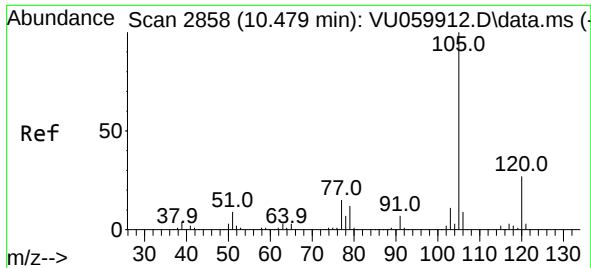
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#54
o-Xylene
Concen: 112.049 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

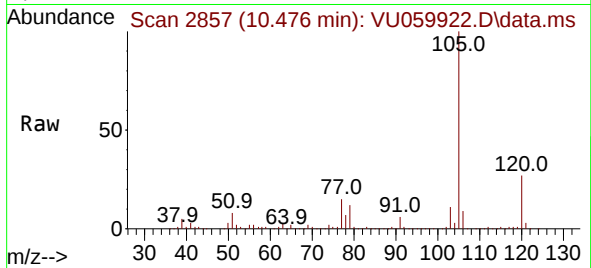
Tgt Ion:106 Resp: 2637072
Ion Ratio Lower Upper
106 100
91 211.6 151.6 281.6





#60
Isopropylbenzene
Concen: 5.171 ug/L
RT: 10.476 min Scan# 2858
Delta R.T. -0.003 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

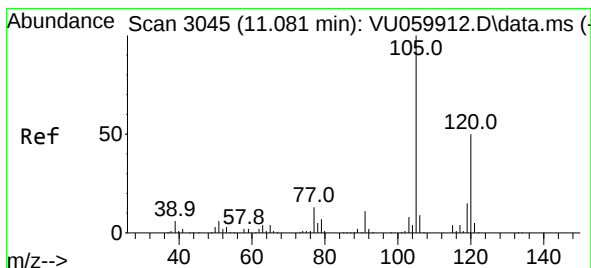
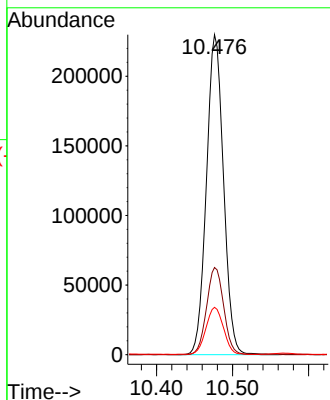
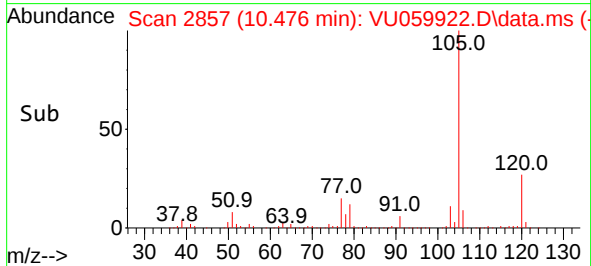
Instrument :
MSVOA_U
ClientSampleId :
YDZC7



Tgt Ion:105 Resp: 358549
Ion Ratio Lower Upper
105 100
120 27.3 20.6 31.0
77 0.0 12.8 19.2

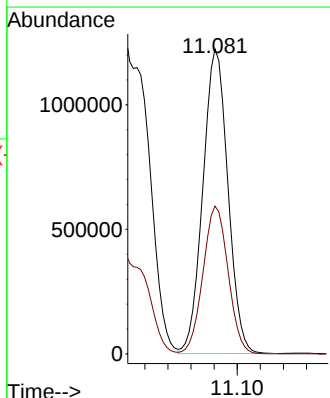
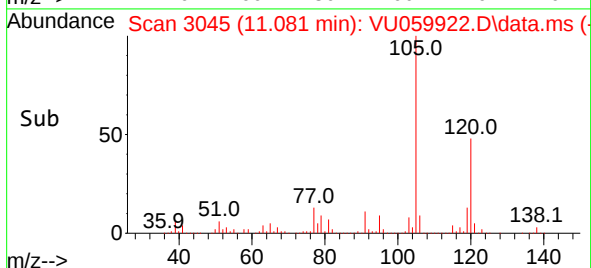
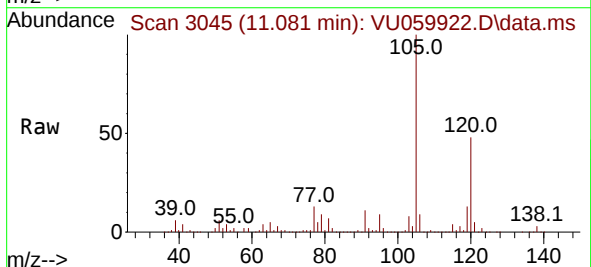
Manual Integrations
APPROVED

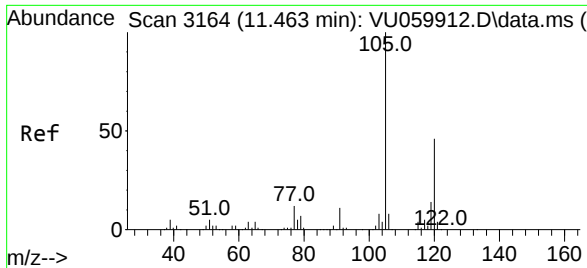
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#62
1,3,5-Trimethylbenzene
Concen: 33.445 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. 0.000 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

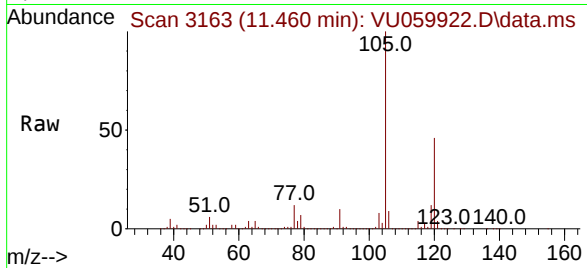
Tgt Ion:105 Resp: 1837154
Ion Ratio Lower Upper
105 100
120 48.7 38.2 57.4





#63
1,2,4-Trimethylbenzene
Concen: 131.921 ug/L
RT: 11.460 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

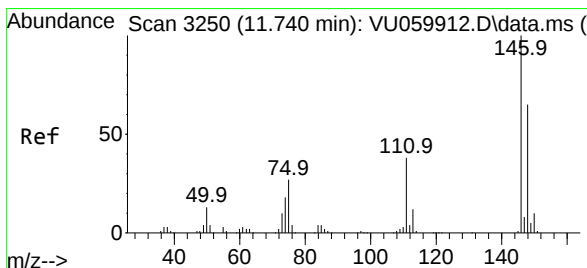
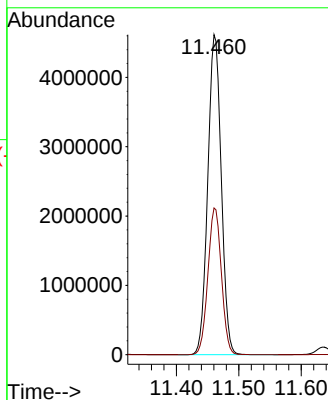
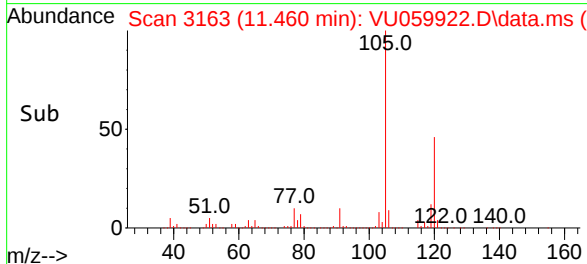
Instrument :
MSVOA_U
ClientSampleId :
YDZC7



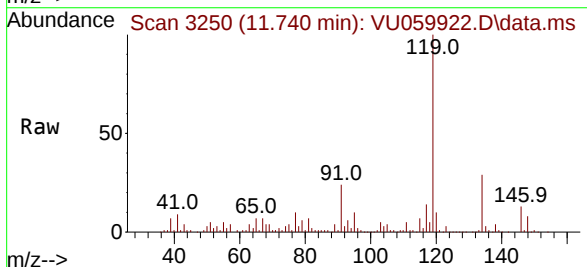
Tgt Ion:105 Resp: 6928018
Ion Ratio Lower Upper
105 100
120 45.9 35.4 53.0

Manual Integrations
APPROVED

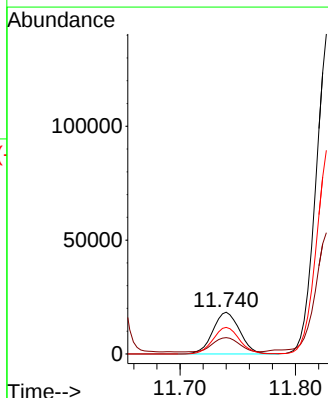
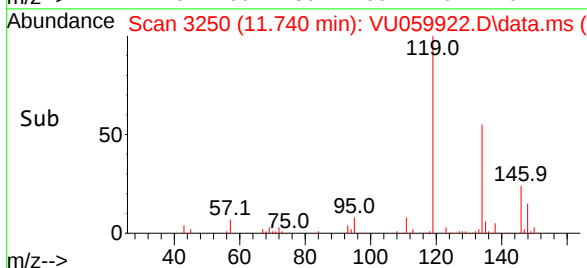
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024

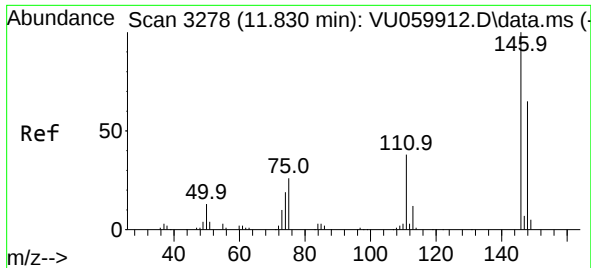


#64
1,3-Dichlorobenzene
Concen: 0.838 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25



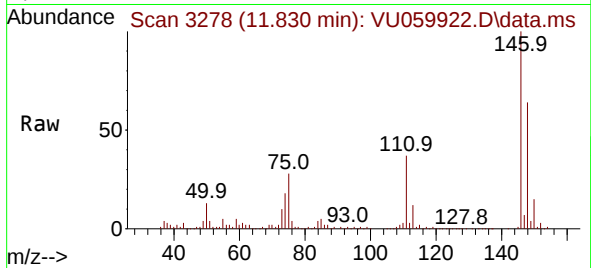
Tgt Ion:146 Resp: 29555
Ion Ratio Lower Upper
146 100
111 39.2 27.4 51.0
148 63.6 45.0 83.6





#65
1,4-Dichlorobenzene
Concen: 6.353 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

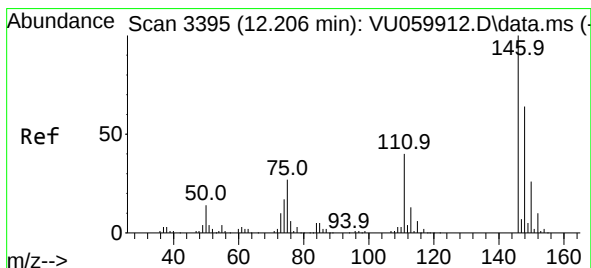
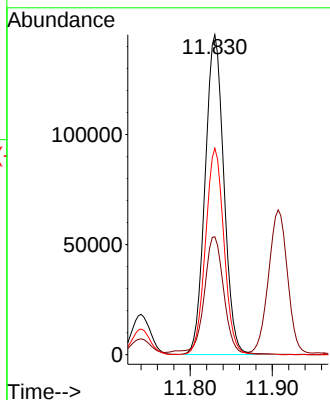
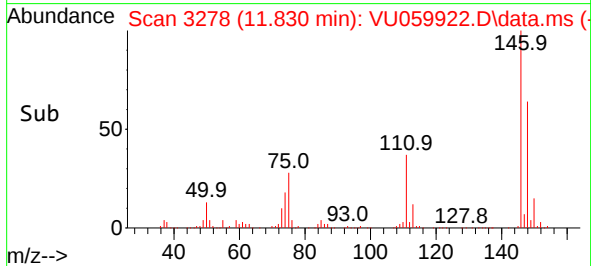
Instrument :
MSVOA_U
ClientSampleId :
YDZC7



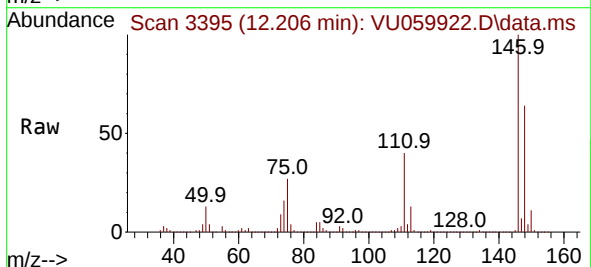
Tgt Ion:146 Resp: 230600
Ion Ratio Lower Upper
146 100
111 36.8 26.9 50.1
148 64.5 45.3 84.1

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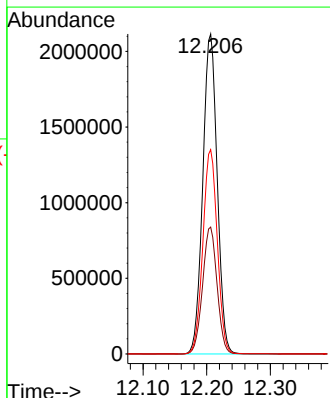
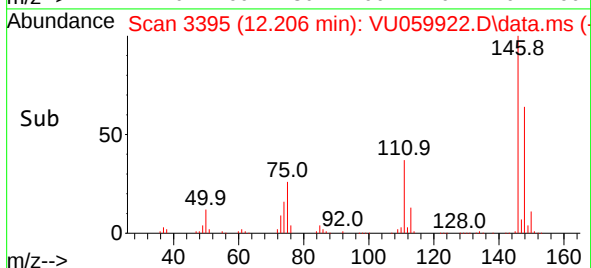
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024

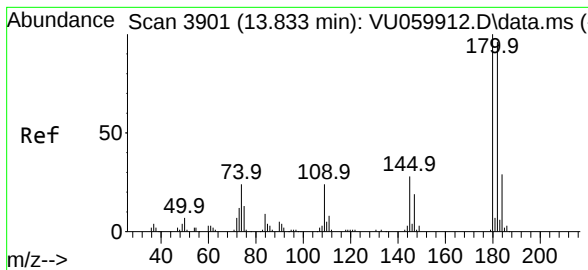


#67
1,2-Dichlorobenzene
Concen: 100.302 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25



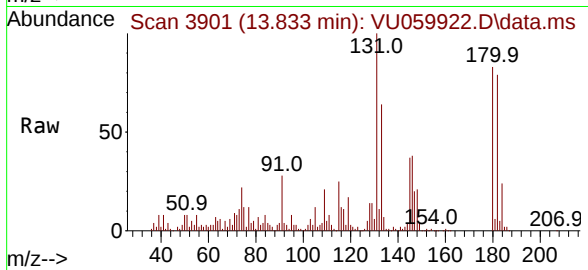
Tgt Ion:146 Resp: 3328720
Ion Ratio Lower Upper
146 100
111 39.6 33.4 50.0
148 63.9 49.7 74.5





#70
1,2,4-trichlorobenzene
Concen: 5.765 ug/L
RT: 13.833 min Scan# 3901
Delta R.T. 0.000 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

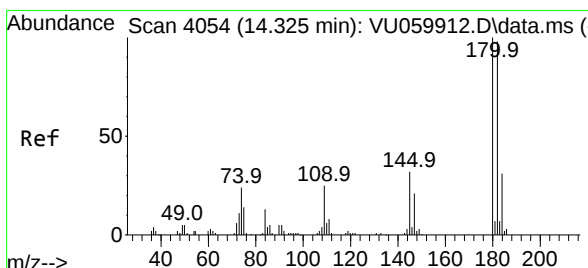
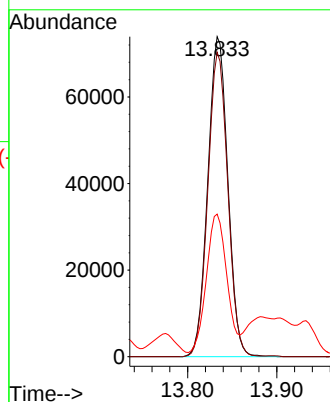
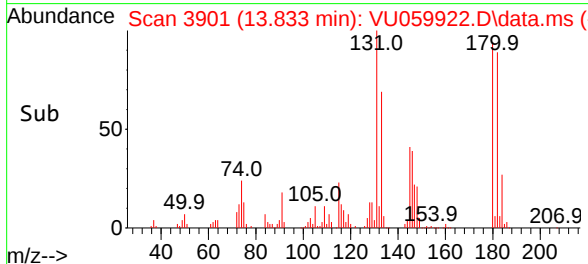
Instrument :
MSVOA_U
ClientSampleId :
YDZC7



Tgt Ion:180 Resp: 115438
Ion Ratio Lower Upper
180 100
182 94.6 74.9 112.3
145 44.1 23.9 35.9

Manual Integrations
APPROVED

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



#72
1,2,3-Trichlorobenzene
Concen: 2.610 ug/L
RT: 14.322 min Scan# 4053
Delta R.T. -0.003 min
Lab File: VU059922.D
Acq: 12 Jul 2024 15:25

Tgt Ion:180 Resp: 48522
Ion Ratio Lower Upper
180 100
182 95.5 77.0 115.6
145 69.0 26.2 39.4

