

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071224\
 Data File : VU059923.D
 Acq On : 12 Jul 2024 15:48
 Operator : MD/SY
 Sample : P3217-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZG4

Manual Integrations
 APPROVED

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

Quant Time: Jul 13 03:57:33 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	6.238	114	195583	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.418	117	205597	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	106006	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	65201	4.794	ug/L	-0.01
Spiked Amount 5.000	Range 40 - 130		Recovery =	95.800%		
7) Chloroethane-d5	1.901	69	54784	4.187	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	83.800%		
11) 1,1-Dichloroethene-d2	2.550	65	28033	4.968	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	99.400%		
20) 2-Butanone-d5	4.685	46	136959	48.890	ug/L	0.06
Spiked Amount 50.000	Range 40 - 130		Recovery =	97.780%		
24) Chloroform-d	5.049	84	113402	4.062	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	81.200%		
26) 1,2-Dichloroethane-d4	5.692	65	58645	4.361	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	87.200%		
32) Benzene-d6	5.711	84	238520	4.215	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	84.400%		
36) 1,2-Dichloropropane-d6	6.682	67	71826	4.143	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	82.800%		
41) Toluene-d8	7.888	98	215874	4.104	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	82.000%		
43) trans-1,3-Dichloroprop...	8.174	79	26255	4.836	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	96.800%		
46) 2-Hexanone-d5	8.637	63	119290	52.880	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	105.760%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	58229	4.065	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	81.200%		
66) 1,2-Dichlorobenzene-d4	12.187	152	87158	4.620	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	92.400%		
Target Compounds						Qvalue
5) Vinyl chloride	1.589	62	47724	2.422	ug/L	98
14) Carbon disulfide	2.772	76	13766	0.297	ug/L #	88
17) Methyl tert-butyl Ether	3.364	73	40292	1.348	ug/L	96
18) trans-1,2-Dichloroethene	3.332	96	12695	0.880	ug/L	85
19) 1,1-Dichloroethane	3.846	63	8424	0.317	ug/L	95
22) cis-1,2-Dichloroethene	4.650	96	120963	7.607	ug/L	92
33) Benzene	5.759	78	298821	4.786	ug/L	100
42) Toluene	7.962	91	73892	1.118	ug/L	99
51) Chlorobenzene	9.434	112	25488293m	607.981	ug/L	
52) Ethylbenzene	9.566	91	12614	0.186	ug/L	84
53) m,p-Xylene	9.688	106	13589	0.522	ug/L	90
54) o-Xylene	10.097	106	7531	0.305	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	7527	0.145	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	20541	0.414	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	30065	0.903	ug/L	99
65) 1,4-Dichlorobenzene	11.827	146	270616	7.894	ug/L	99
67) 1,2-Dichlorobenzene	12.203	146	218877	6.983	ug/L	96

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

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

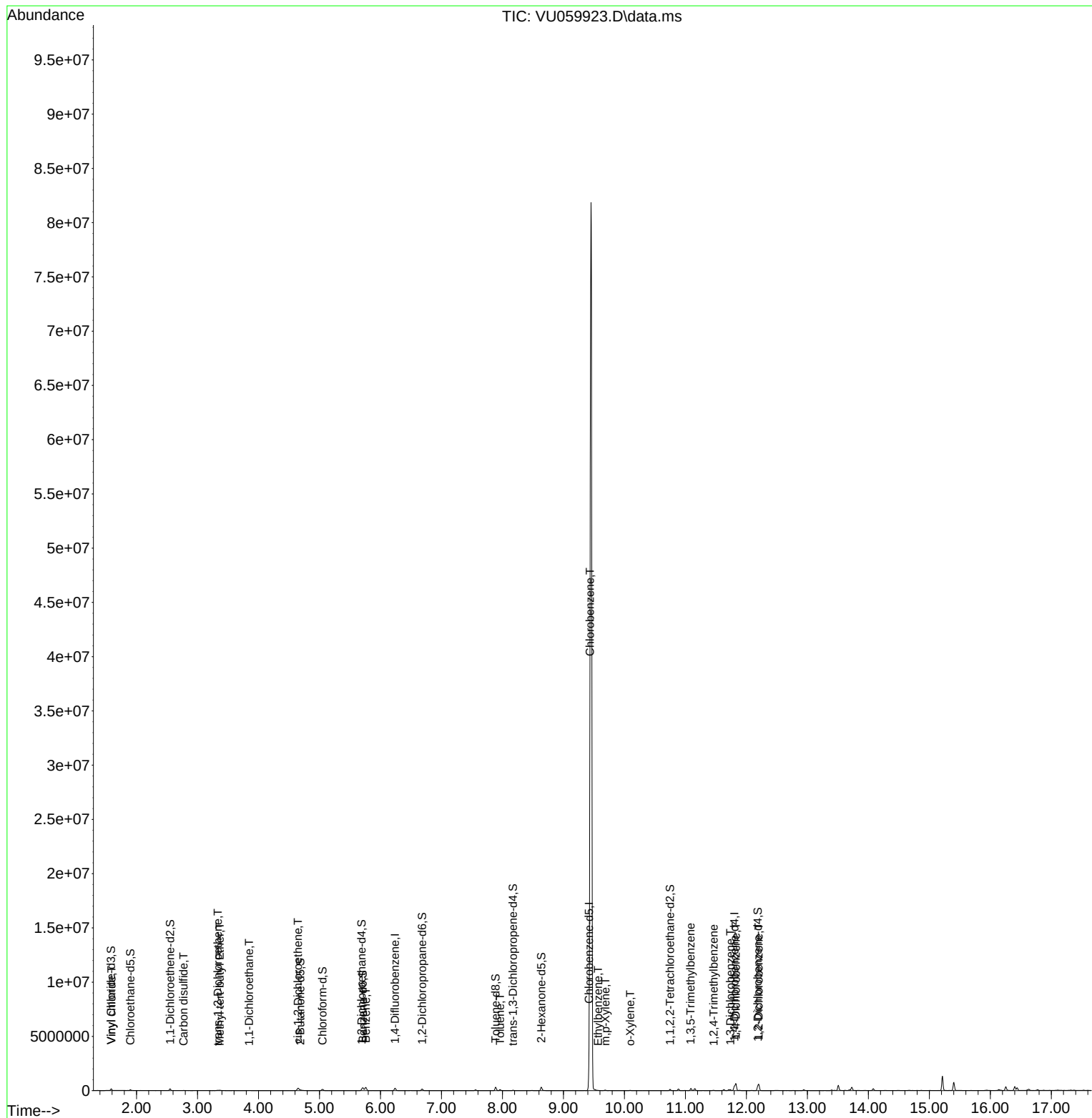
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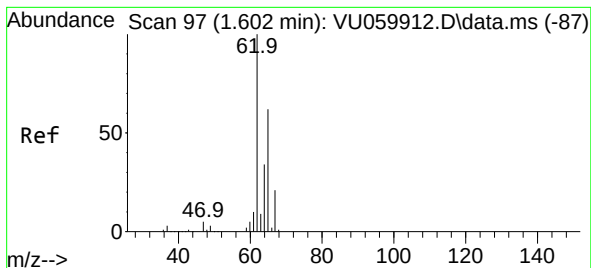
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#5

Vinyl chloride

Concen: 2.422 ug/L

RT: 1.589 min Scan# 91

Delta R.T. -0.013 min

Lab File: VU059923.D

Acq: 12 Jul 2024 15:48

Instrument :

MSVOA_U

ClientSampleId :

YDZG4

Tgt Ion: 62 Resp: 47724

Ion Ratio Lower Upper

62 100

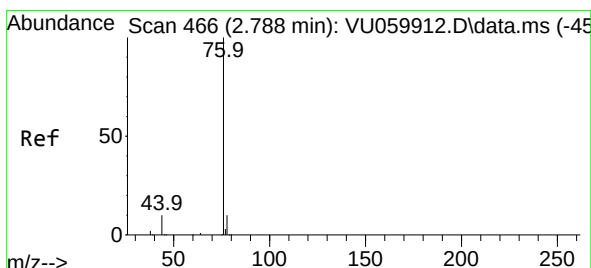
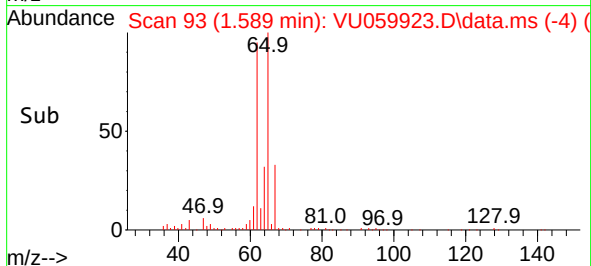
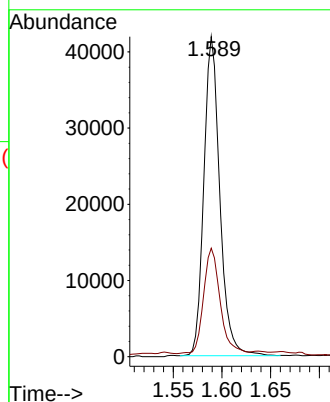
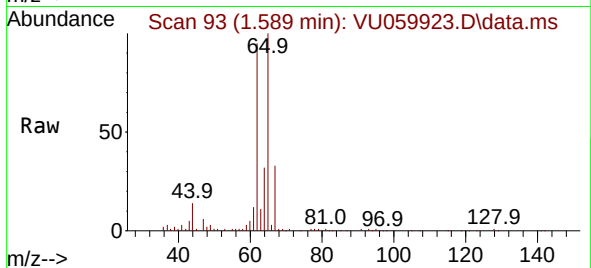
64 33.9 23.1 42.9

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#14

Carbon disulfide

Concen: 0.297 ug/L

RT: 2.772 min Scan# 461

Delta R.T. -0.016 min

Lab File: VU059923.D

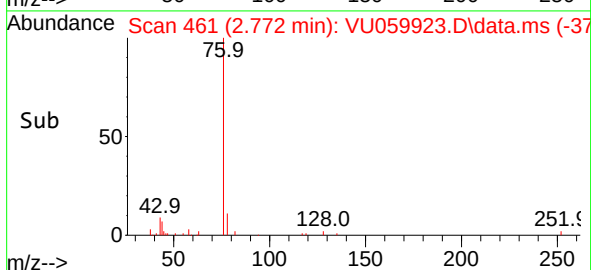
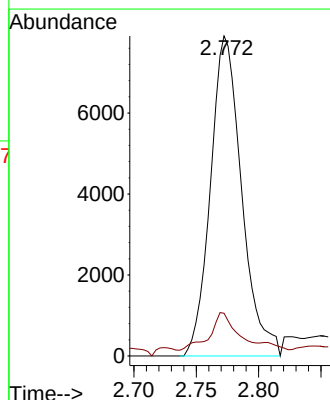
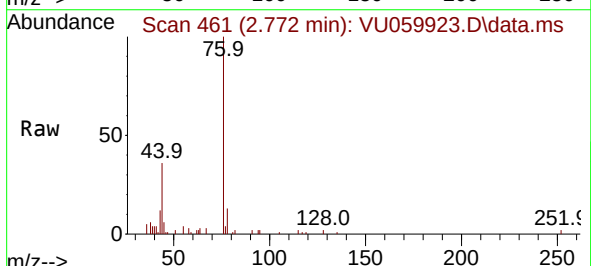
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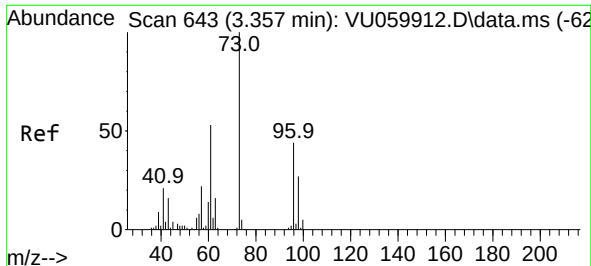
Tgt Ion: 76 Resp: 13766

Ion Ratio Lower Upper

76 100

78 13.4 7.3 10.9





#17

Methyl tert-butyl Ether

Concen: 1.348 ug/L

RT: 3.364 min Scan# 643

Delta R.T. 0.006 min

Lab File: VU059923.D

Acq: 12 Jul 2024 15:48

Instrument :

MSVOA_U

ClientSampleId :

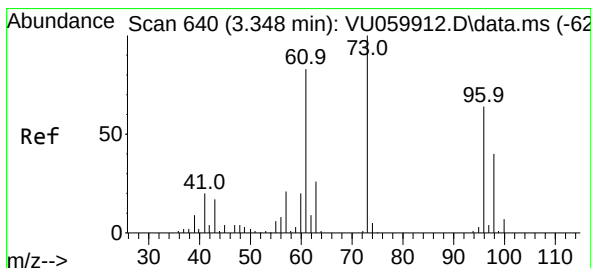
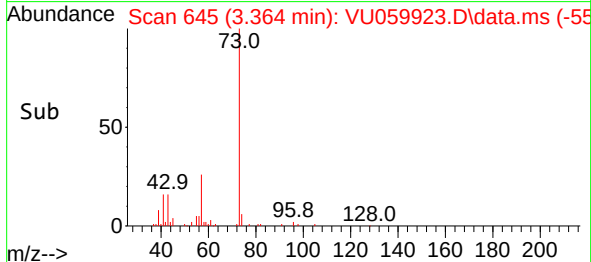
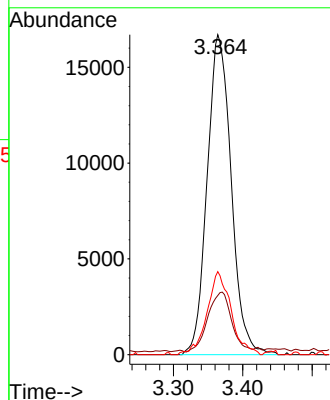
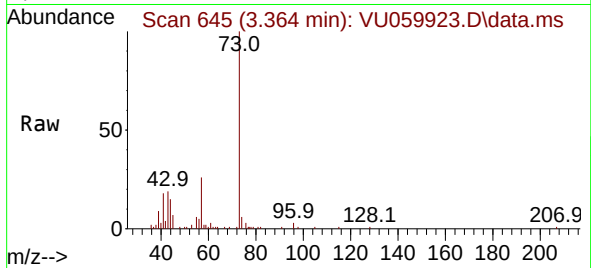
YDZG4

Tgt Ion: 73	Resp: 4029
Ion Ratio	Lower Upper
73 100	
43 18.5	14.9 22.3
57 25.8	18.0 27.0

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#18

trans-1,2-Dichloroethene

Concen: 0.880 ug/L

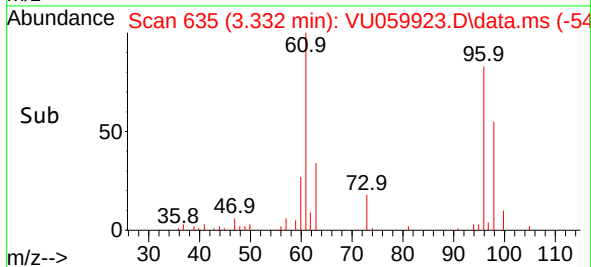
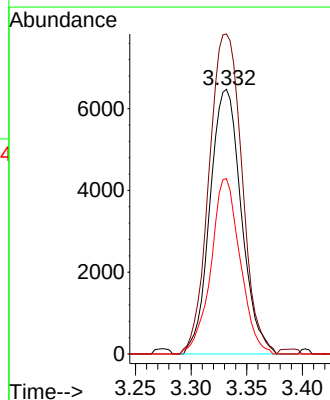
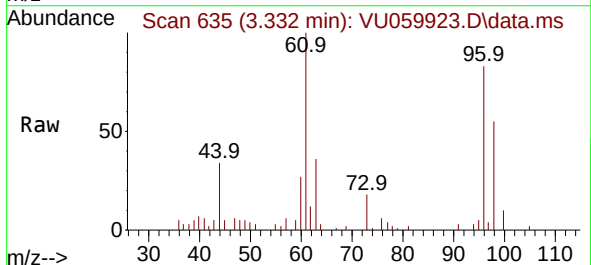
RT: 3.332 min Scan# 635

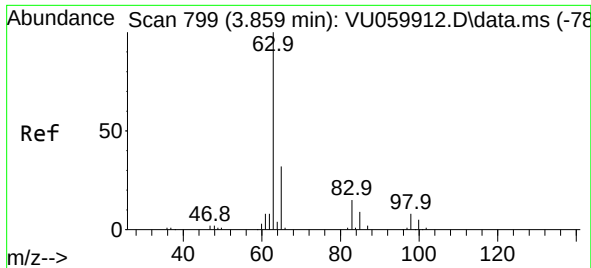
Delta R.T. -0.016 min

Lab File: VU059923.D

Acq: 12 Jul 2024 15:48

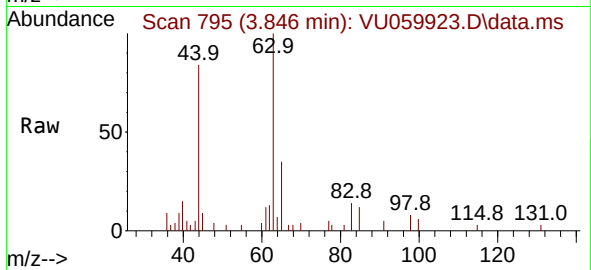
Tgt Ion: 96	Resp: 12695
Ion Ratio	Lower Upper
96 100	
61 120.9	101.8 189.0
98 66.2	43.3 80.5





#19
1,1-Dichloroethane
Concen: 0.317 ug/L
RT: 3.846 min Scan# 799
Delta R.T. -0.013 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

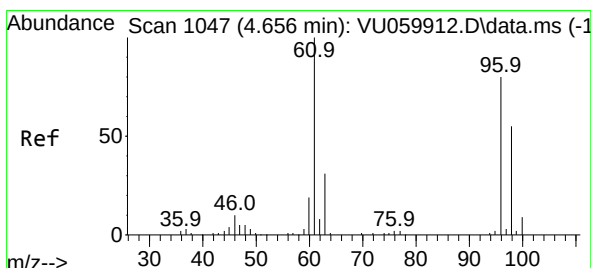
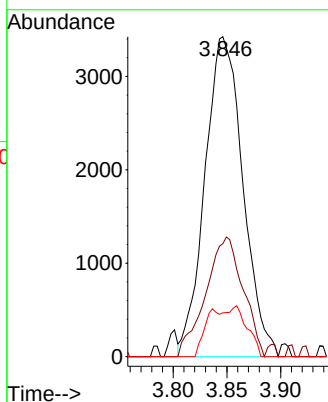
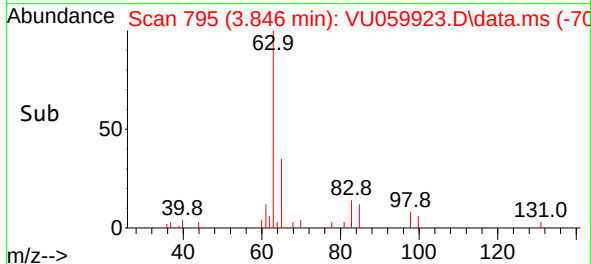
Instrument :
MSVOA_U
ClientSampleId :
YDZG4



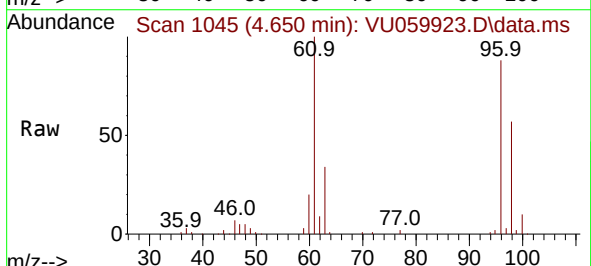
Tgt Ion: 63 Resp: 8424
Ion Ratio Lower Upper
63 100
65 35.3 21.8 40.6
83 13.7 9.9 18.5

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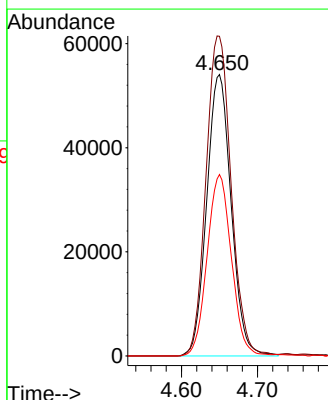
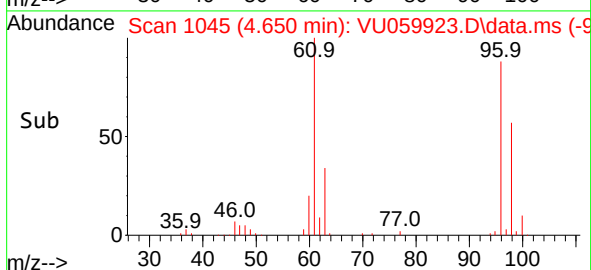
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024

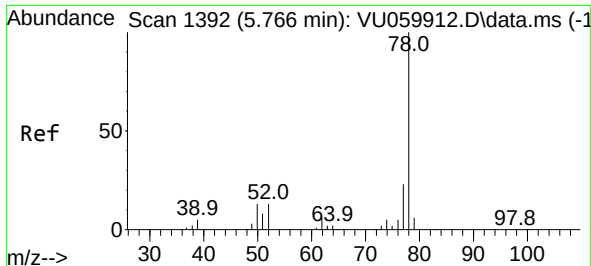


#22
cis-1,2-Dichloroethene
Concen: 7.607 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. -0.006 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48



Tgt Ion: 96 Resp: 120963
Ion Ratio Lower Upper
96 100
61 113.6 87.4 162.2
98 64.5 42.3 78.5





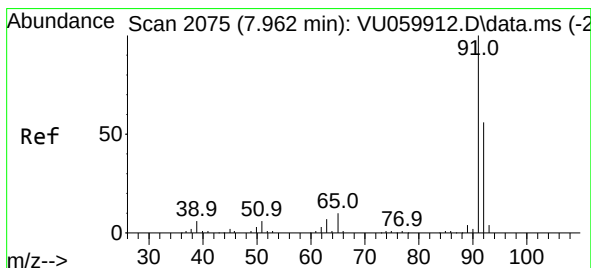
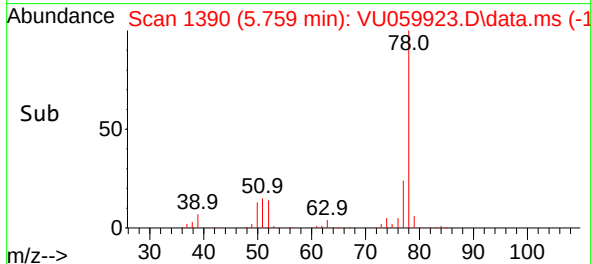
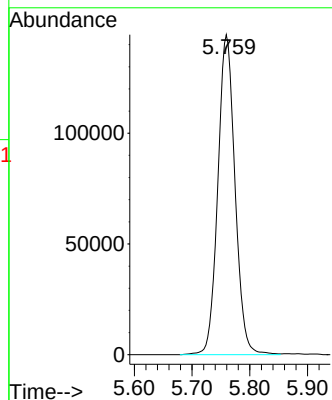
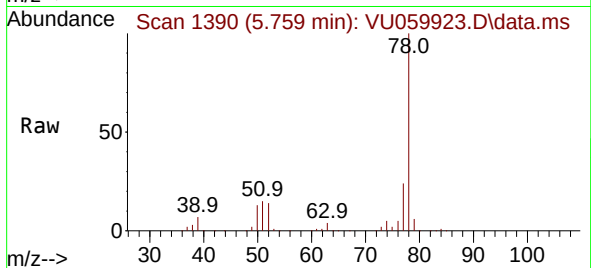
#33
Benzene
Concen: 4.786 ug/L
RT: 5.759 min Scan# 11
Delta R.T. -0.006 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 78 Resp: 29882

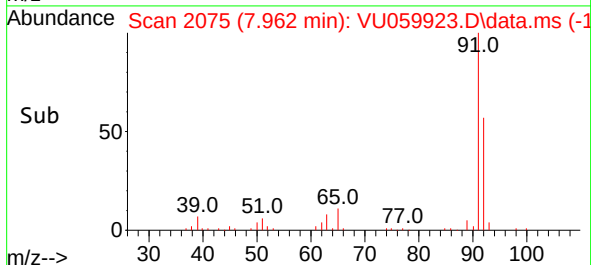
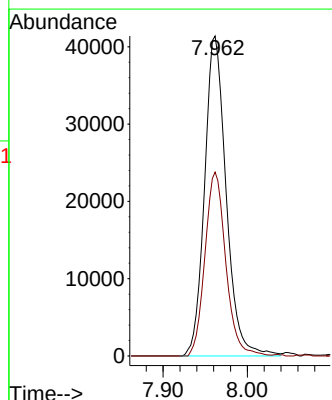
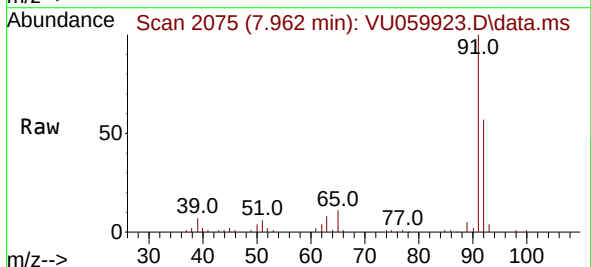
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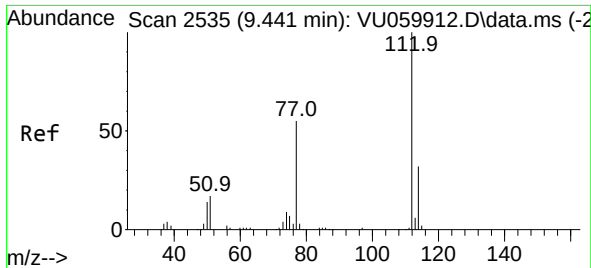
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#42
Toluene
Concen: 1.118 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

Tgt Ion: 91 Resp: 73892
Ion Ratio Lower Upper
91 100
92 57.5 39.7 73.7





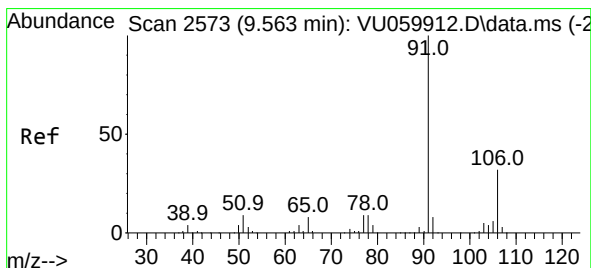
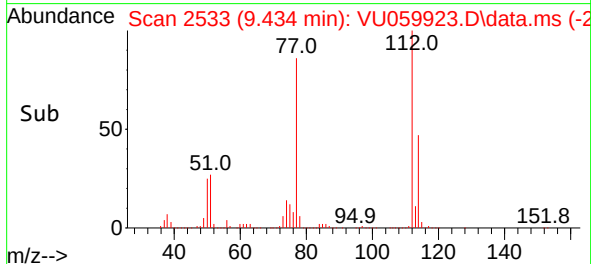
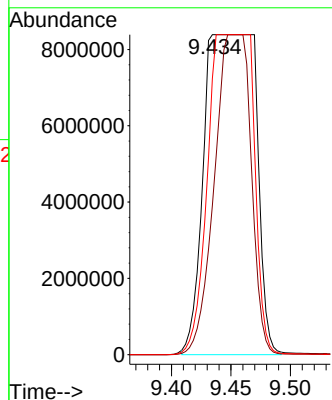
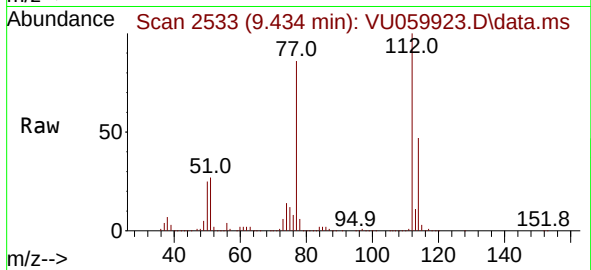
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Chlorobenzene
Concen: 607.981 ug/L m
RT: 9.434 min Scan# 2533
Delta R.T. -0.006 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

Instrument :
MSVOA_U
ClientSampleId :
YDZG4

Tgt Ion:112 Resp:2548829
Ion Ratio Lower Upper
112 100
114 46.6 22.4 41.6
77 86.2 49.1 73.7

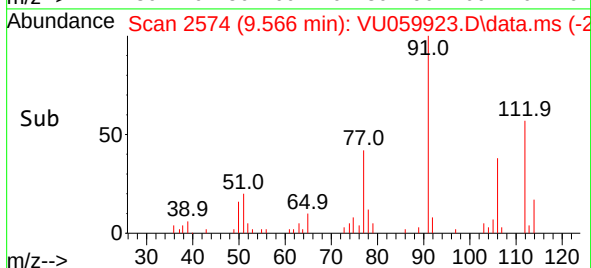
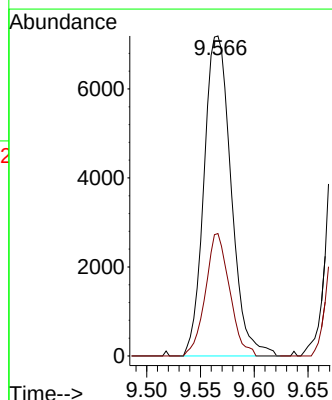
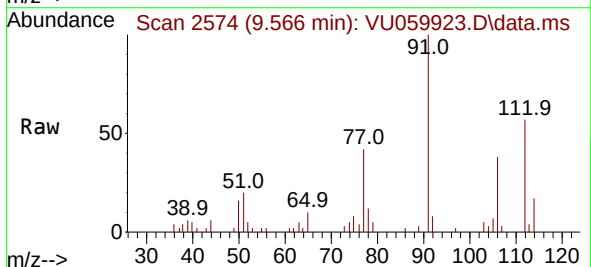
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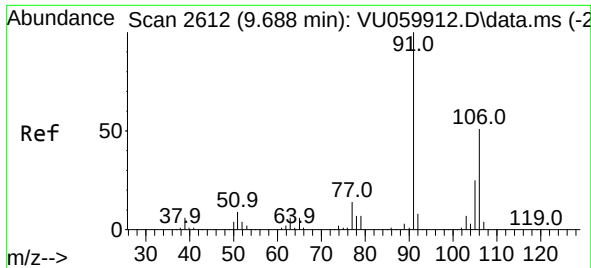
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#52
Ethylbenzene
Concen: 0.186 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

Tgt Ion: 91 Resp: 12614
Ion Ratio Lower Upper
91 100
106 38.2 20.9 38.7





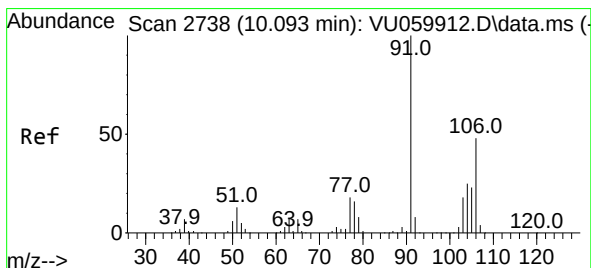
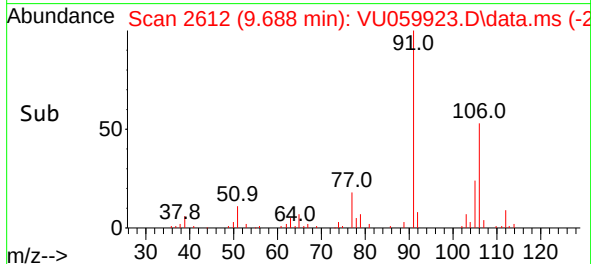
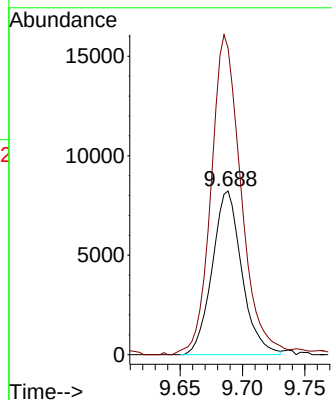
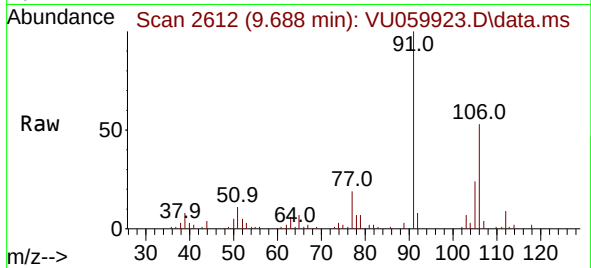
#53
m,p-Xylene
Concen: 0.522 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

Instrument :
MSVOA_U
ClientSampleId :
YDZG4

Tgt Ion:106 Resp: 13589
Ion Ratio Lower Upper
106 100
91 187.3 142.0 263.8

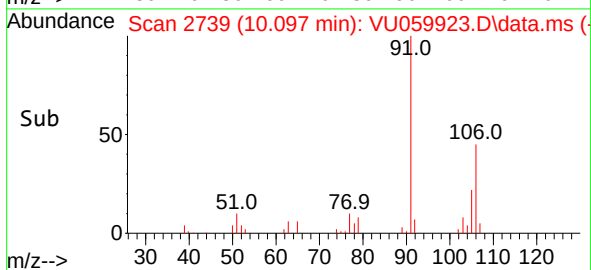
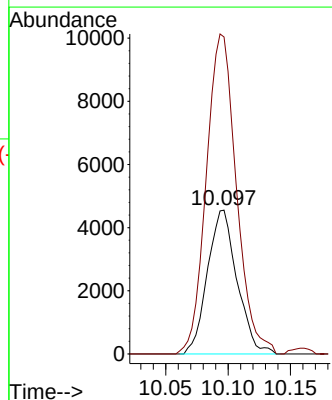
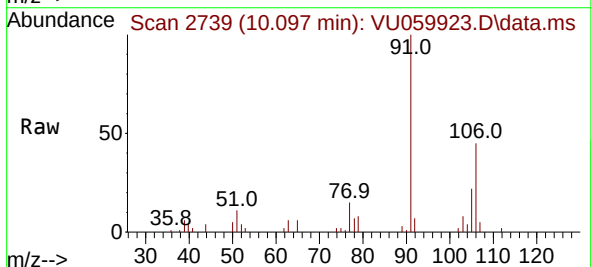
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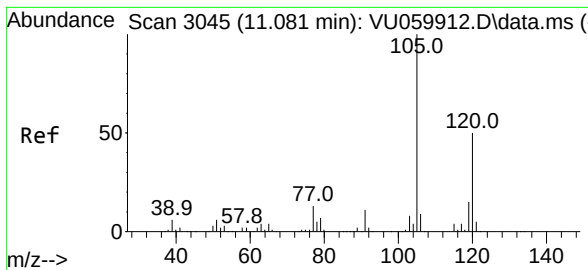
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#54
o-Xylene
Concen: 0.305 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

Tgt Ion:106 Resp: 7531
Ion Ratio Lower Upper
106 100
91 220.2 151.6 281.6





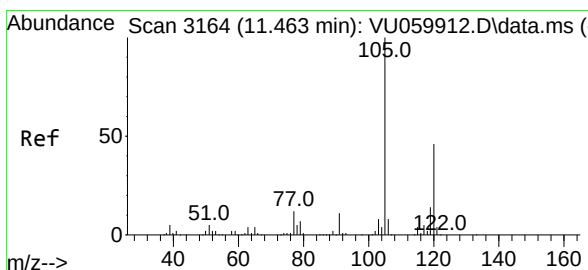
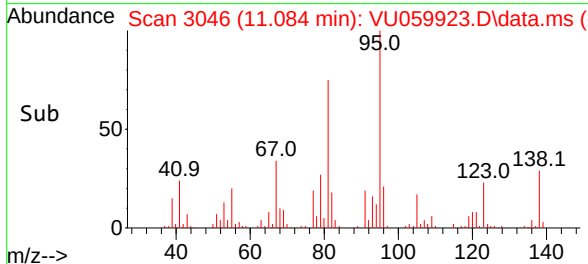
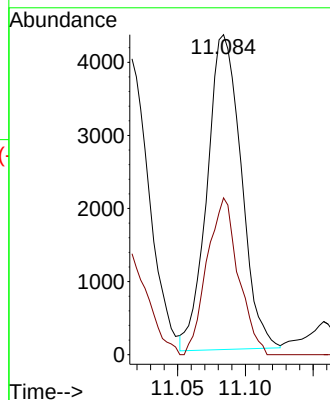
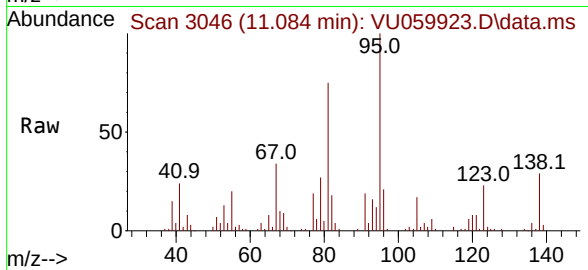
#62
1,3,5-Trimethylbenzene
Concen: 0.145 ug/L
RT: 11.084 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

Instrument :
MSVOA_U
ClientSampleId :
YDZG4

Tgt Ion:105 Resp: 752
Ion Ratio Lower Upper
105 100
120 46.0 38.2 57.4

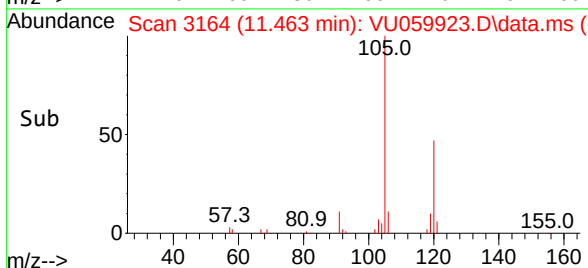
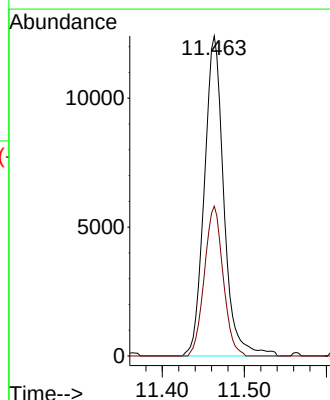
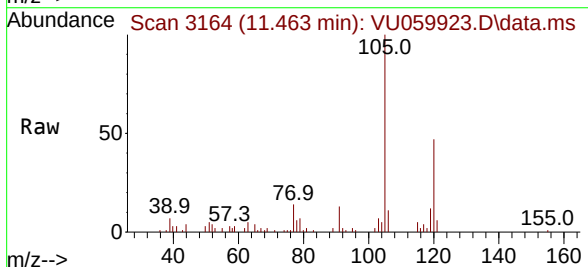
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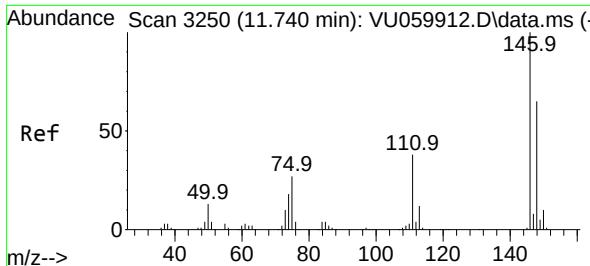
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#63
1,2,4-Trimethylbenzene
Concen: 0.414 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

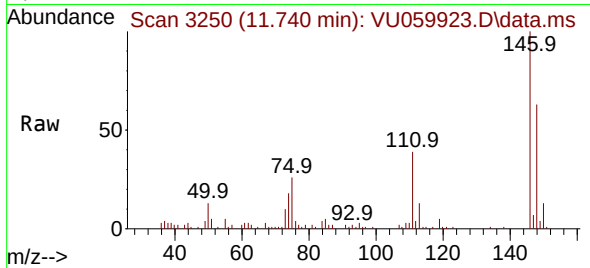
Tgt Ion:105 Resp: 20541
Ion Ratio Lower Upper
105 100
120 44.9 35.4 53.0





#64
1,3-Dichlorobenzene
Concen: 0.903 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48

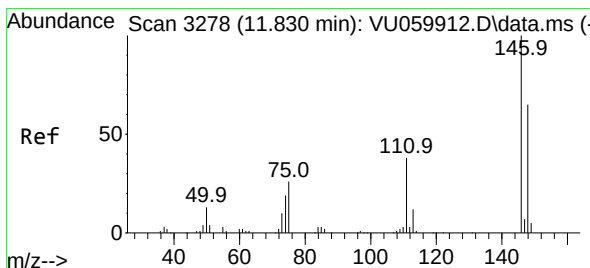
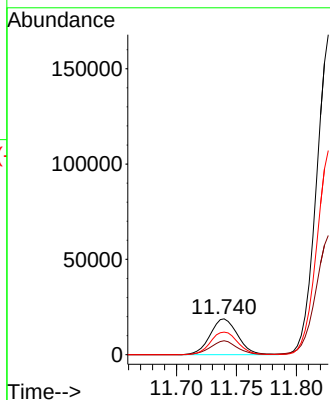
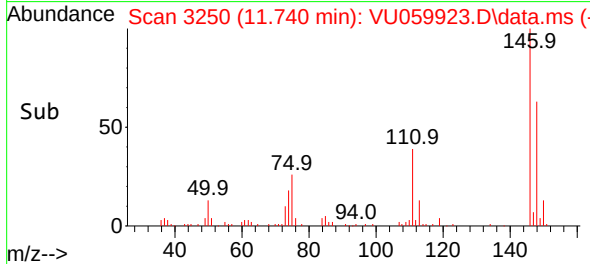
Instrument :
MSVOA_U
ClientSampleId :
YDZG4



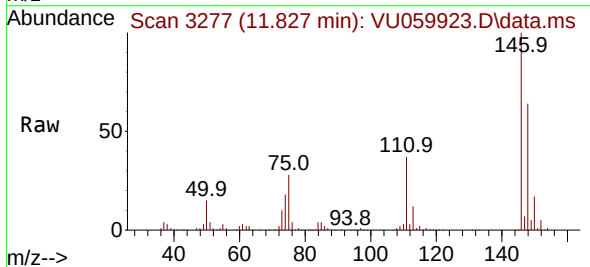
Tgt Ion:146 Resp: 3006
Ion Ratio Lower Upper
146 100
111 39.1 27.4 51.0
148 63.3 45.0 83.6

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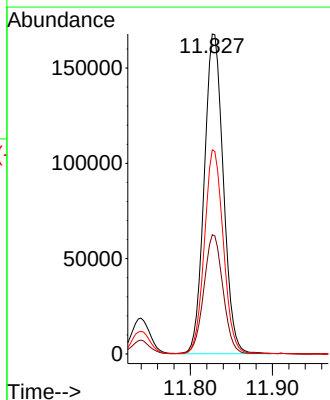
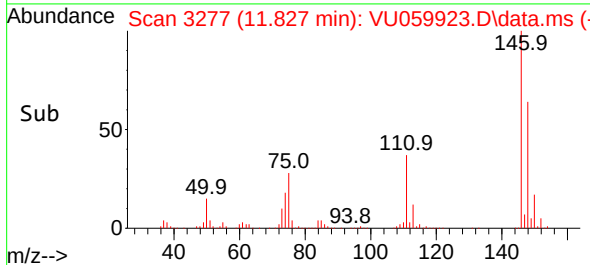
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024

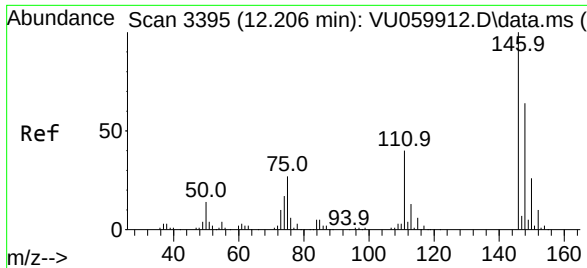


#65
1,4-Dichlorobenzene
Concen: 7.894 ug/L
RT: 11.827 min Scan# 3277
Delta R.T. -0.003 min
Lab File: VU059923.D
Acq: 12 Jul 2024 15:48



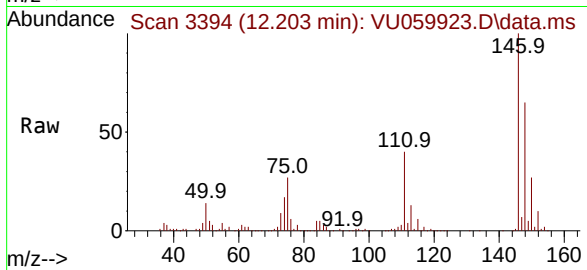
Tgt Ion:146 Resp: 270616
Ion Ratio Lower Upper
146 100
111 37.3 26.9 50.1
148 63.8 45.3 84.1





#67
 1,2-Dichlorobenzene
 Concen: 6.983 ug/L
 RT: 12.203 min Scan# 31
 Delta R.T. -0.003 min
 Lab File: VU059923.D
 Acq: 12 Jul 2024 15:48

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZG4



Tgt Ion:146 Resp: 21887
 Ion Ratio Lower Upper
 146 100
 111 39.9 33.4 50.0
 148 65.2 49.7 74.5

Manual Integrations
 APPROVED

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

