

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071224\
 Data File : VU059928.D
 Acq On : 12 Jul 2024 17:46
 Operator : MD/SY
 Sample : P3217-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZJ9

Manual Integrations
 APPROVED

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

Quant Time: Jul 13 03:59:18 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	198961	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	199728	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	110595	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	61349	4.434	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.600%
7) Chloroethane-d5	1.907	69	51264	3.851	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.000%
11) 1,1-Dichloroethene-d2	2.557	65	24754	4.313	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.200%
20) 2-Butanone-d5	4.644	46	108996	38.247	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.500%
24) Chloroform-d	5.055	84	109740	3.865	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.200%
26) 1,2-Dichloroethane-d4	5.695	65	56392	4.123	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.400%
32) Benzene-d6	5.721	84	232687	4.233	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.682	67	72071	4.279	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.600%
41) Toluene-d8	7.891	98	213756	4.183	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.600%
43) trans-1,3-Dichloroprop...	8.174	79	24927	4.726	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.600%
46) 2-Hexanone-d5	8.627	63	121995	55.668	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.340%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	59666	4.287	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	91617	4.654	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	20711	1.033	ug/L	95
8) Chloroethane	1.927	64	4206	0.348	ug/L	97
13) Acetone	2.663	43	15108	8.173	ug/L	64
18) trans-1,2-Dichloroethene	3.348	96	4800	0.327	ug/L	80
19) 1,1-Dichloroethane	3.859	63	4326	0.160	ug/L	95
21) 2-Butanone	4.724	43	28033m	9.454	ug/L	
22) cis-1,2-Dichloroethene	4.660	96	9420	0.582	ug/L	90
33) Benzene	5.766	78	210695	3.474	ug/L	100
35) Methylcyclohexane	6.756	83	40791	1.745	ug/L	98
42) Toluene	7.965	91	221401	3.448	ug/L	99
51) Chlorobenzene	9.441	112	57488	1.412	ug/L	95
52) Ethylbenzene	9.566	91	24705	0.375	ug/L	97
53) m,p-Xylene	9.689	106	47470	1.876	ug/L	99
54) o-Xylene	10.094	106	74930	3.121	ug/L	96
60) Isopropylbenzene	10.476	105	71491	1.046	ug/L	98
62) 1,3,5-Trimethylbenzene	11.081	105	157329	2.907	ug/L	97
63) 1,2,4-Trimethylbenzene	11.460	105	523527	10.117	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	19292	0.555	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	208216	5.821	ug/L	99

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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)
67) 1,2-Dichlorobenzene	12.206	146	842001	25.750	ug/L	97

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

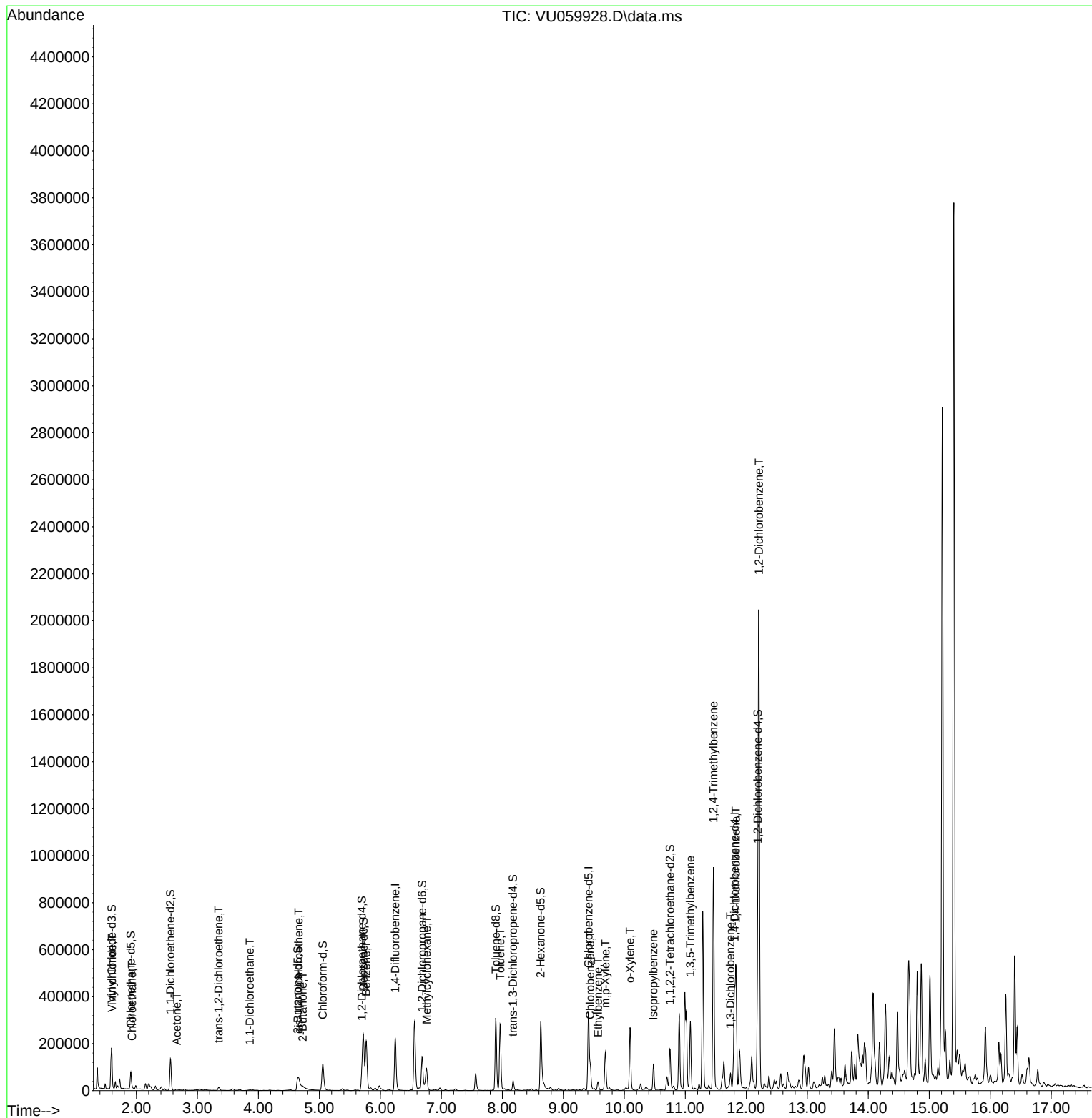
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071224\
Data File : VU059928.D
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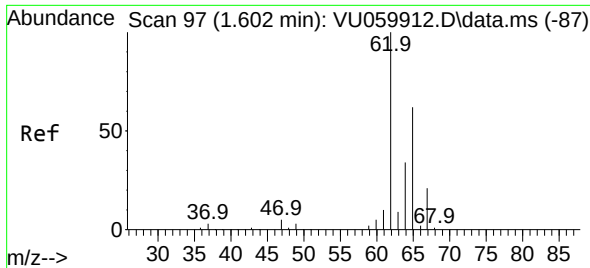
Instrument :
MSVOA_U
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Quant Time: Jul 13 03:59:18 2024
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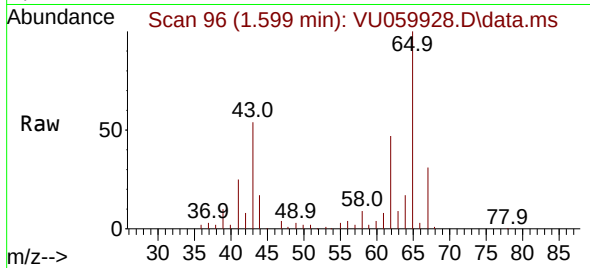
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024





#5
 Vinyl chloride
 Concen: 1.033 ug/L
 RT: 1.599 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU059928.D
 Acq: 12 Jul 2024 17:46

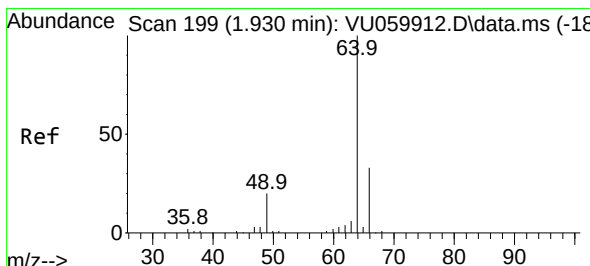
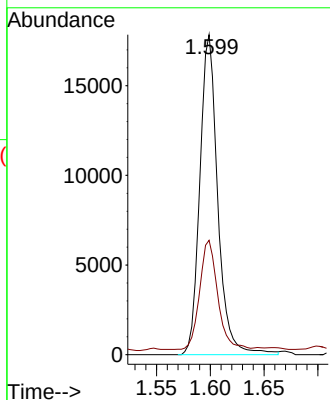
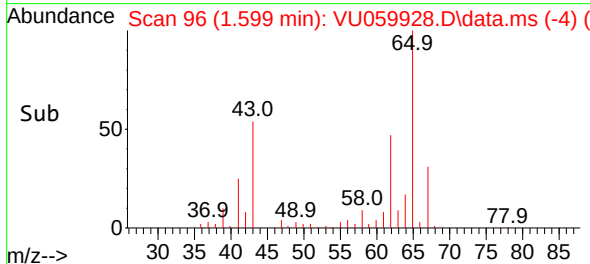
Instrument :
 MSVOA_U
 ClientSampleId :
 YDZJ9



Tgt Ion: 62 Resp: 2071
 Ion Ratio Lower Upper
 62 100
 64 35.8 23.1 42.9

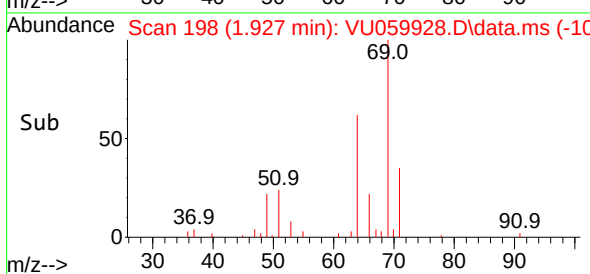
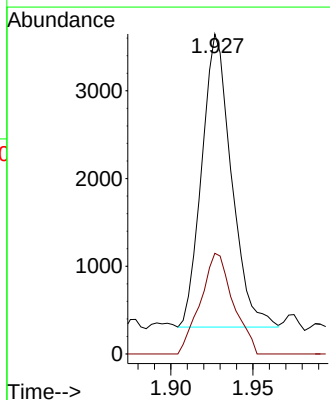
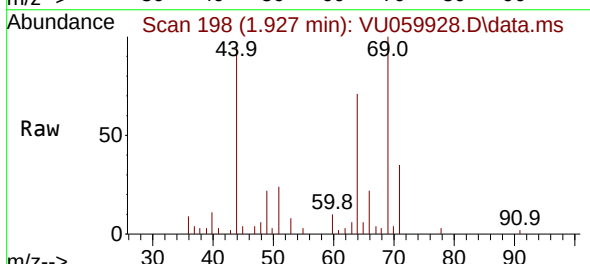
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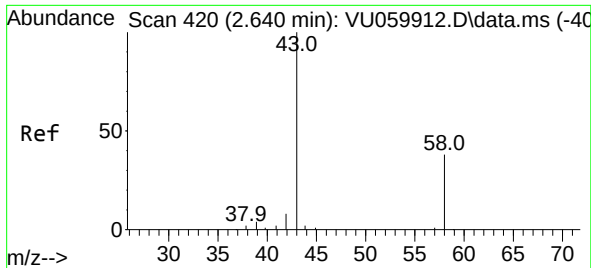
Reviewed By :Mahesh Dadoda 07/15/2024
 Supervised By :Semsettin Yesilyurt 07/15/2024



#8
 Chloroethane
 Concen: 0.348 ug/L
 RT: 1.927 min Scan# 198
 Delta R.T. -0.003 min
 Lab File: VU059928.D
 Acq: 12 Jul 2024 17:46

Tgt Ion: 64 Resp: 4206
 Ion Ratio Lower Upper
 64 100
 66 31.5 23.2 43.2





#13

Acetone

Concen: 8.173 ug/L

RT: 2.663 min Scan# 41

Delta R.T. 0.023 min

Lab File: VU059928.D

Acq: 12 Jul 2024 17:46

Instrument :

MSVOA_U

ClientSampleId :

YDZJ9

Tgt Ion: 43 Resp: 1510

Ion Ratio Lower Upper

43 100

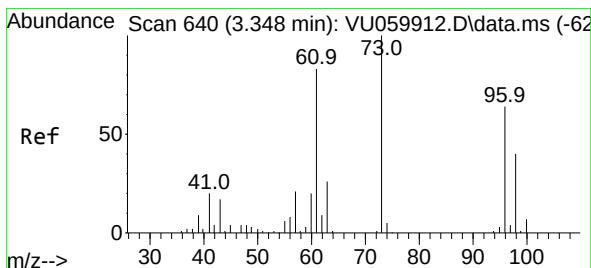
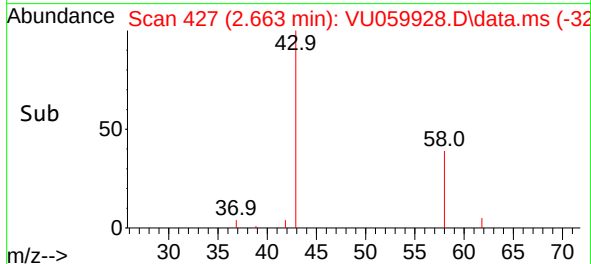
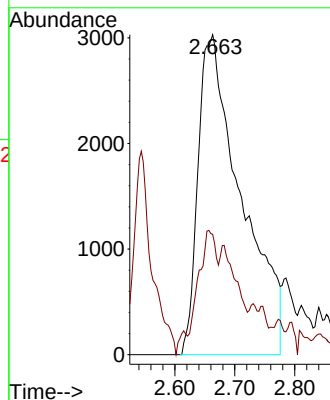
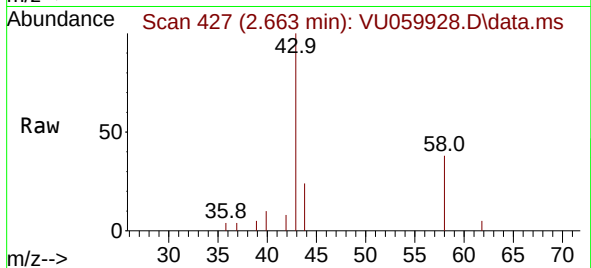
58 13.2 0.0 68.0

Manual Integrations

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#18

trans-1,2-Dichloroethene

Concen: 0.327 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.000 min

Lab File: VU059928.D

Acq: 12 Jul 2024 17:46

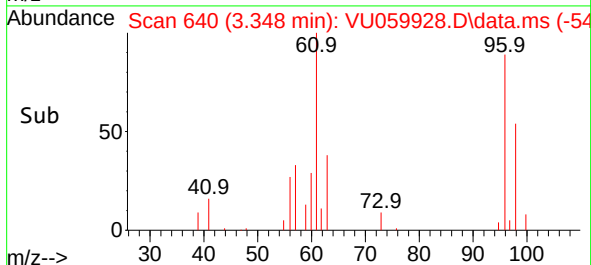
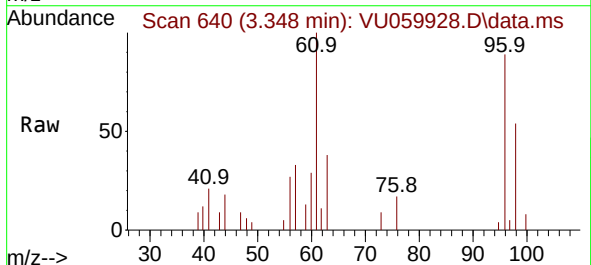
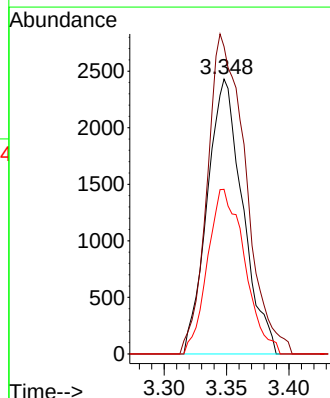
Tgt Ion: 96 Resp: 4800

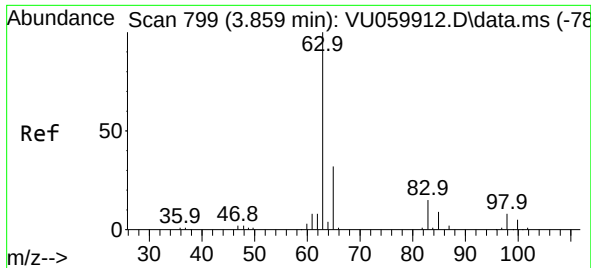
Ion Ratio Lower Upper

96 100

61 111.8 101.8 189.0

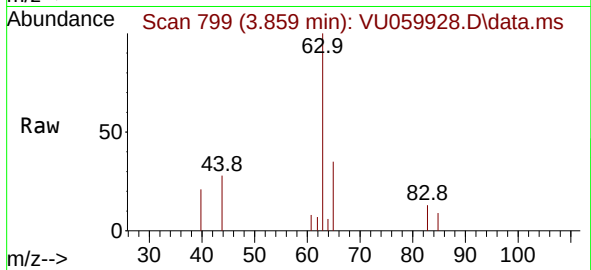
98 59.9 43.3 80.5





#19
1,1-Dichloroethane
Concen: 0.160 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.000 min
Lab File: VU059928.D
Acq: 12 Jul 2024 17:46

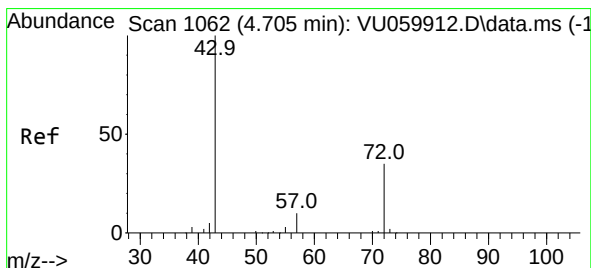
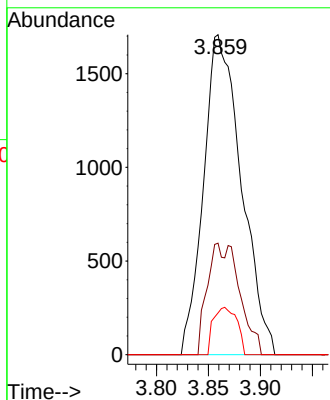
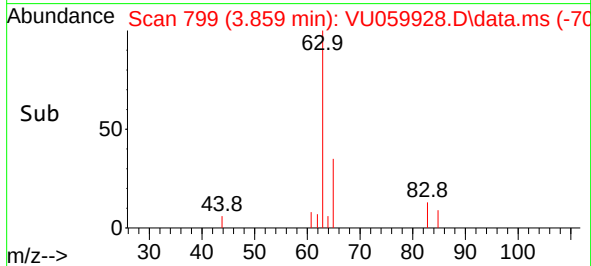
Instrument :
MSVOA_U
ClientSampleId :
YDZJ9



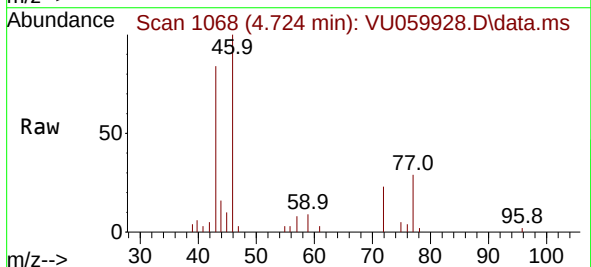
Tgt Ion: 63 Resp: 4320
Ion Ratio Lower Upper
63 100
65 34.8 21.8 40.6
83 13.1 9.9 18.5

Manual Integrations
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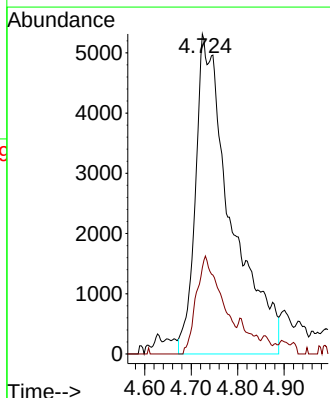
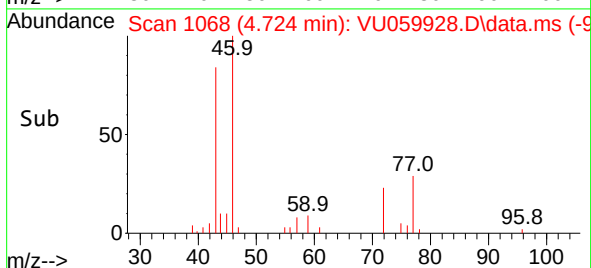
Reviewed By :Mahesh Dadoda 07/15/2024
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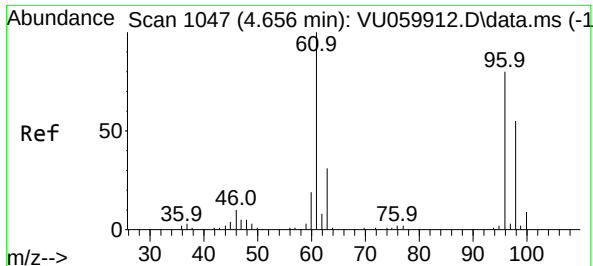


#21
2-Butanone
Concen: 9.454 ug/L m
RT: 4.724 min Scan# 1068
Delta R.T. 0.019 min
Lab File: VU059928.D
Acq: 12 Jul 2024 17:46



Tgt Ion: 43 Resp: 28033
Ion Ratio Lower Upper
43 100
72 22.0 13.8 41.4





#22

cis-1,2-Dichloroethene

Concen: 0.582 ug/L

RT: 4.660 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU059928.D

Acq: 12 Jul 2024 17:46

Instrument :

MSVOA_U

ClientSampleId :

YDZJ9

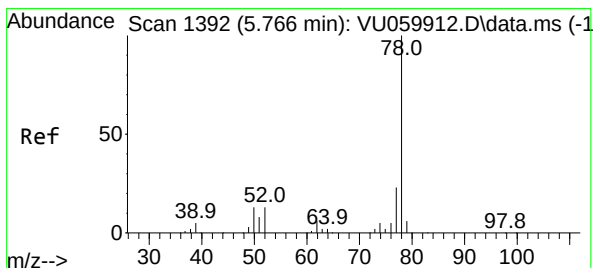
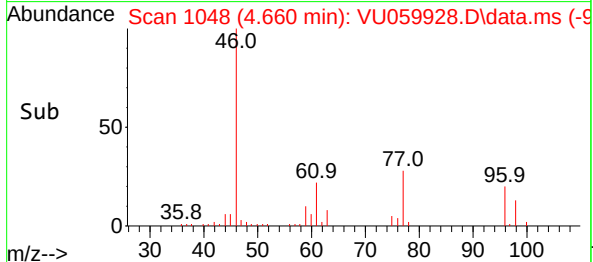
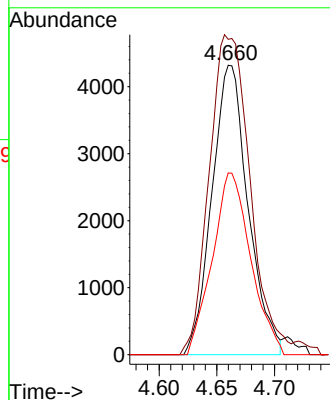
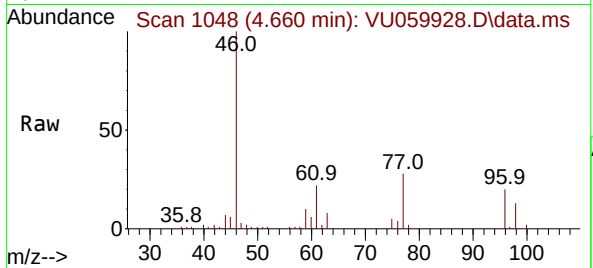
Tgt Ion: 96 Resp: 9420

Ion	Ratio	Lower	Upper
96	100		
61	109.0	87.4	162.2
98	62.8	42.3	78.5

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#33

Benzene

Concen: 3.474 ug/L

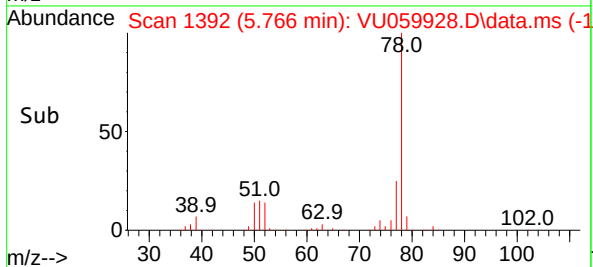
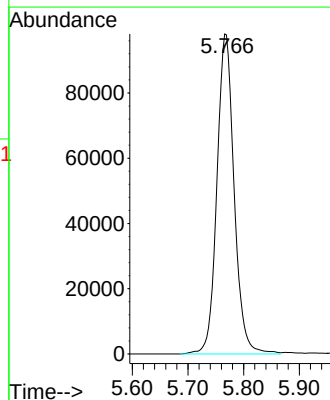
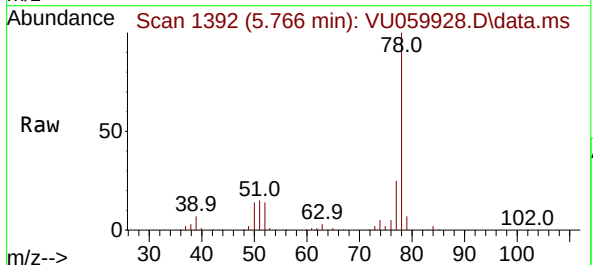
RT: 5.766 min Scan# 1392

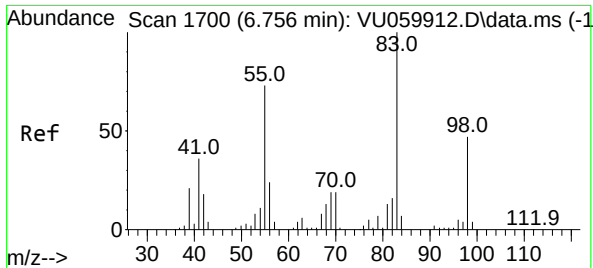
Delta R.T. 0.000 min

Lab File: VU059928.D

Acq: 12 Jul 2024 17:46

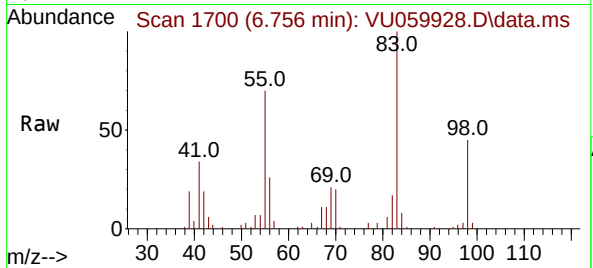
Tgt Ion: 78 Resp: 210695





#35
Methylcyclohexane
Concen: 1.745 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU059928.D
Acq: 12 Jul 2024 17:46

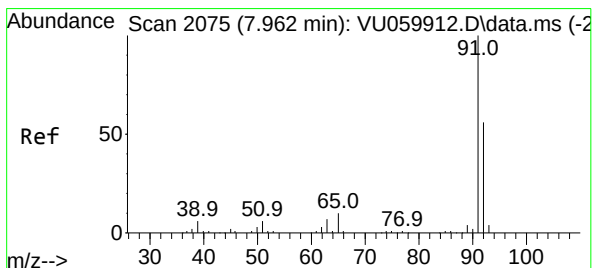
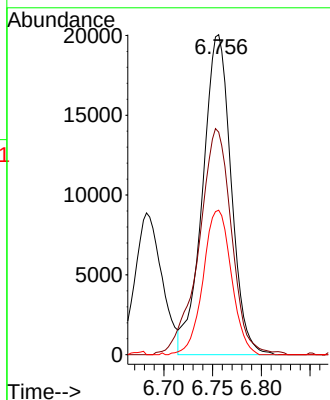
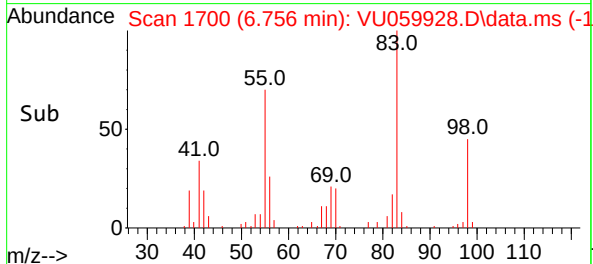
Instrument :
MSVOA_U
ClientSampleId :
YDZJ9



Tgt Ion: 83 Resp: 4079
Ion Ratio Lower Upper
83 100
55 80.9 62.7 94.1
98 44.8 35.4 53.0

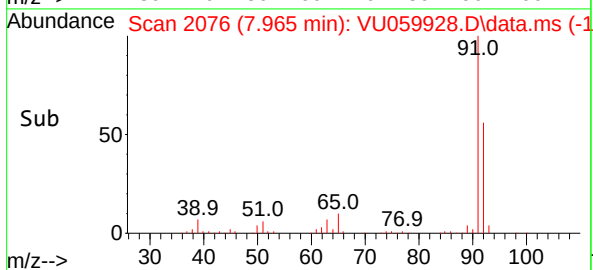
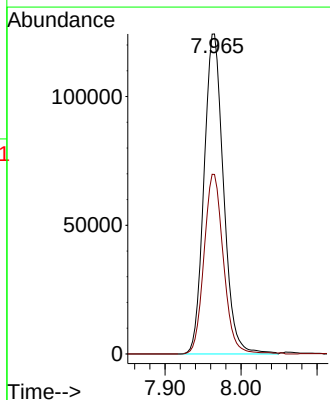
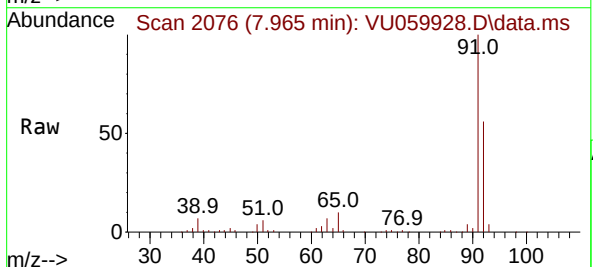
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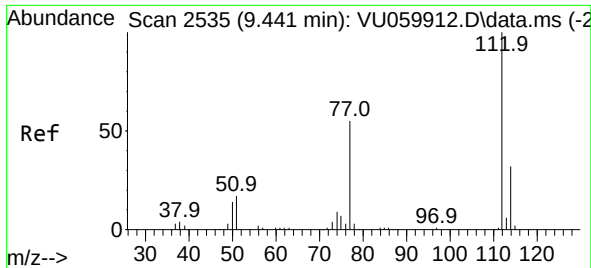
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#42
Toluene
Concen: 3.448 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.003 min
Lab File: VU059928.D
Acq: 12 Jul 2024 17:46

Tgt Ion: 91 Resp: 221401
Ion Ratio Lower Upper
91 100
92 56.1 39.7 73.7





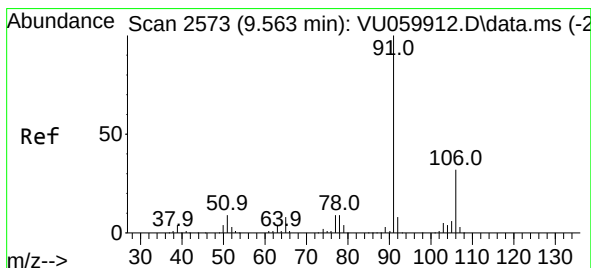
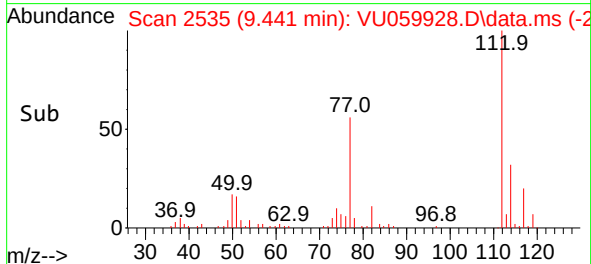
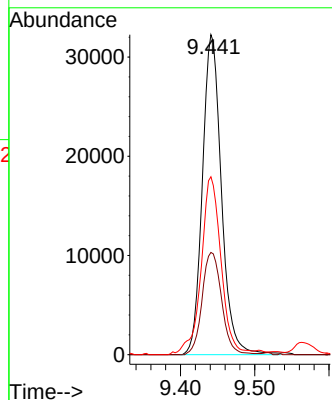
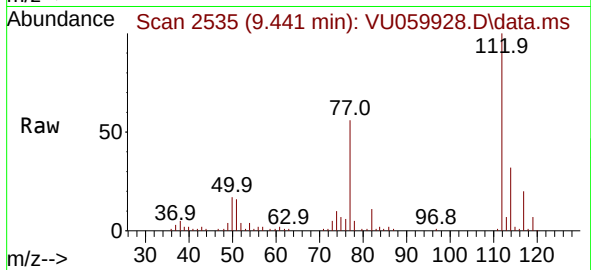
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Chlorobenzene
Concen: 1.412 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059928.D
Acq: 12 Jul 2024 17:46

Instrument :
MSVOA_U
ClientSampleId :
YDZJ9

Tgt Ion:112 Resp: 5748
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 55.6 49.1 73.7

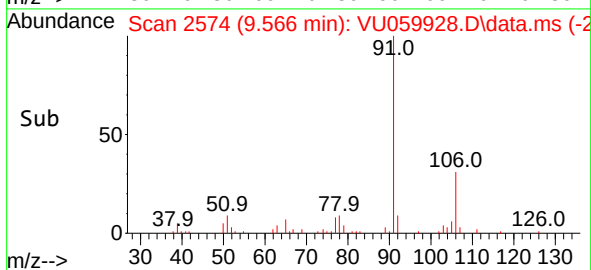
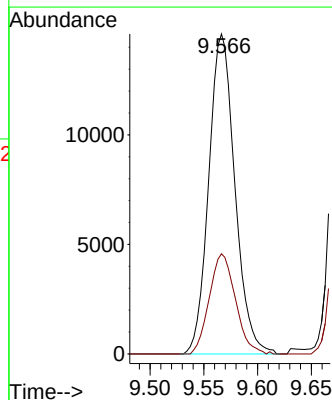
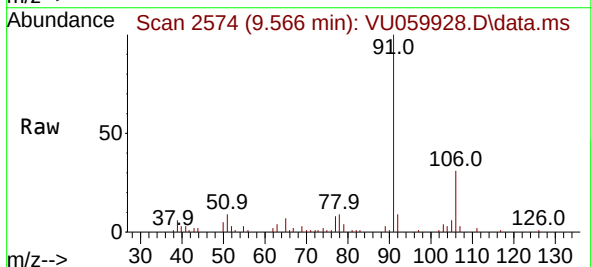
Manual Integrations
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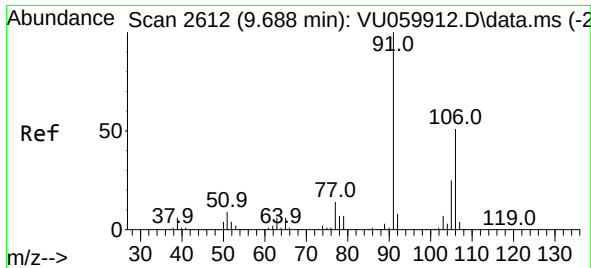
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#52
Ethylbenzene
Concen: 0.375 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU059928.D
Acq: 12 Jul 2024 17:46

Tgt Ion: 91 Resp: 24705
Ion Ratio Lower Upper
91 100
106 31.3 20.9 38.7





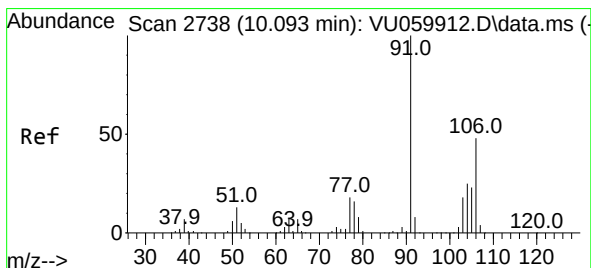
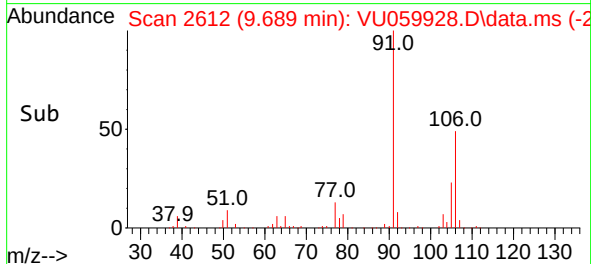
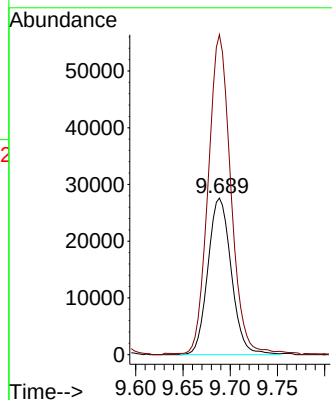
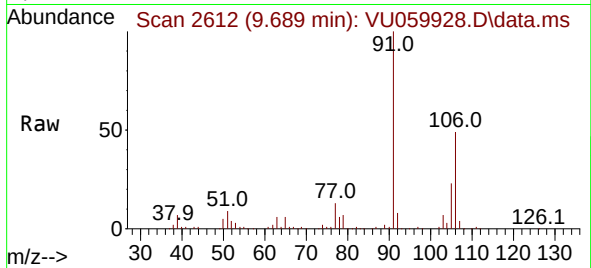
#53
m,p-Xylene
Concen: 1.876 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059928.D
Acq: 12 Jul 2024 17:46

Instrument :
MSVOA_U
ClientSampleId :
YDZJ9

Tgt Ion:106 Resp: 47470
Ion Ratio Lower Upper
106 100
91 204.3 142.0 263.8

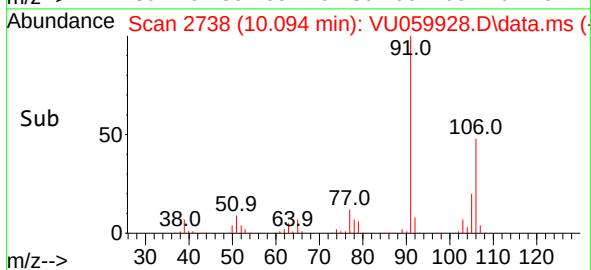
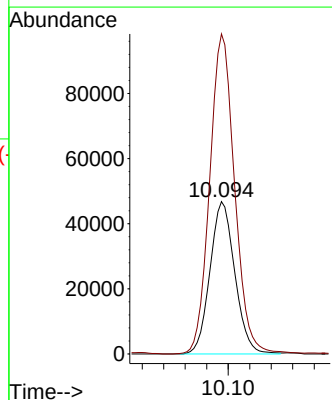
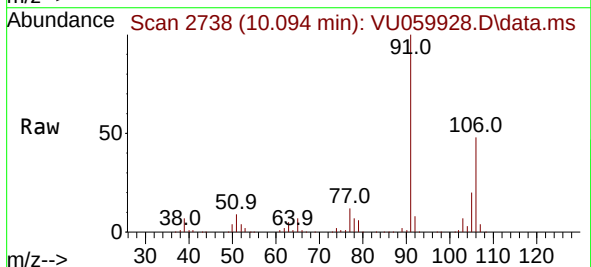
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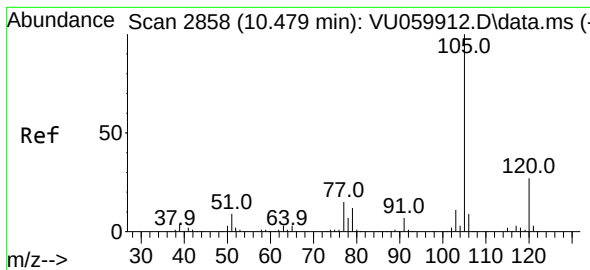
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#54
o-Xylene
Concen: 3.121 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059928.D
Acq: 12 Jul 2024 17:46

Tgt Ion:106 Resp: 74930
Ion Ratio Lower Upper
106 100
91 210.1 151.6 281.6





#60

Isopropylbenzene

Concen: 1.046 ug/L

RT: 10.476 min Scan# 2858

Delta R.T. -0.003 min

Lab File: VU059928.D

Acq: 12 Jul 2024 17:46

Instrument :

MSVOA_U

ClientSampleId :

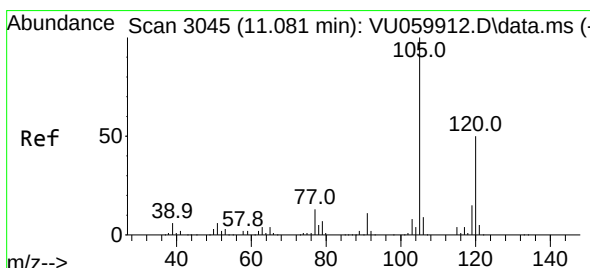
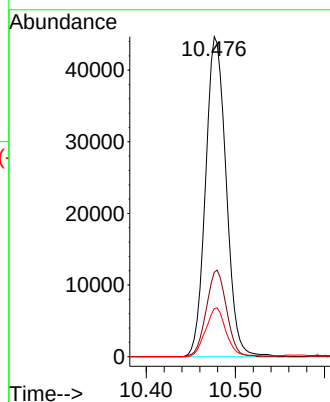
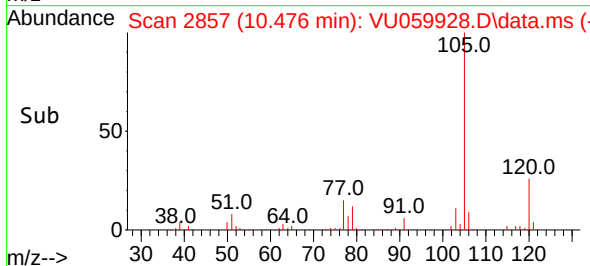
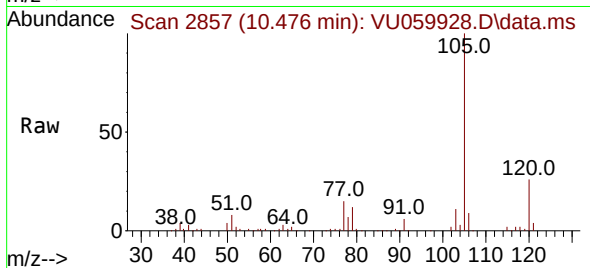
YDZJ9

Tgt Ion:105	Resp:	7149
Ion Ratio	Lower	Upper
105	100	
120	26.7	20.6 31.0
77	15.4	12.8 19.2

Manual Integrations

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



#62

1,3,5-Trimethylbenzene

Concen: 2.907 ug/L

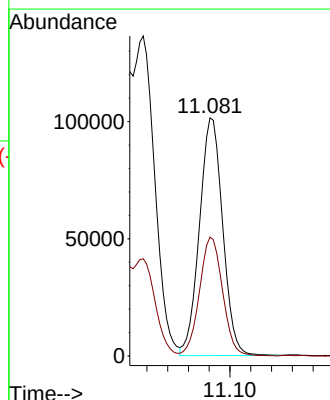
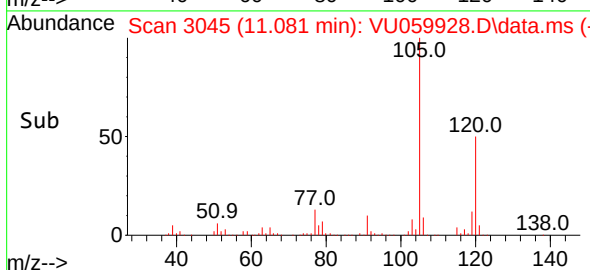
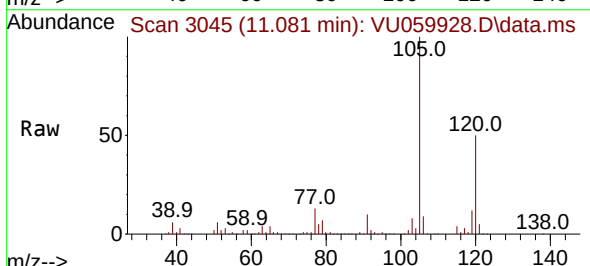
RT: 11.081 min Scan# 3045

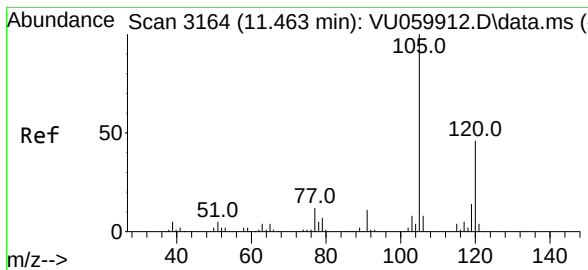
Delta R.T. 0.000 min

Lab File: VU059928.D

Acq: 12 Jul 2024 17:46

Tgt Ion:105	Resp:	157329
Ion Ratio	Lower	Upper
105	100	
120	49.9	38.2 57.4





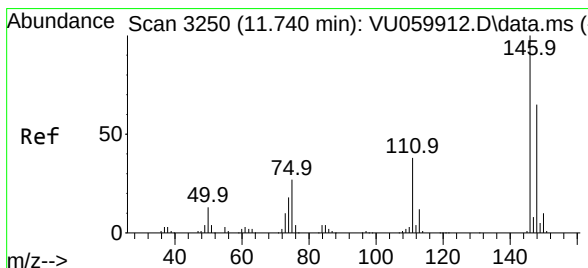
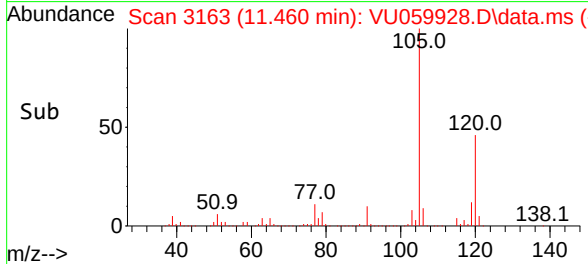
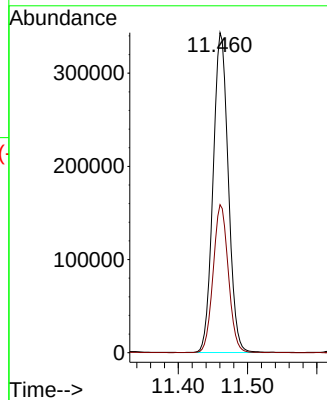
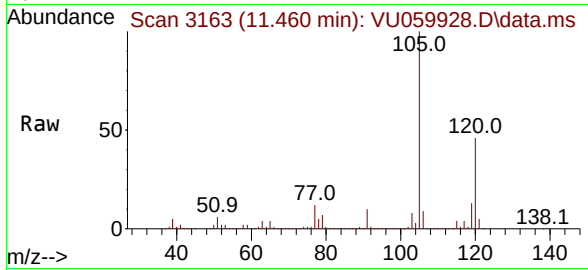
#63
1,2,4-Trimethylbenzene
Concen: 10.117 ug/L
RT: 11.460 min Scan# 3164
Delta R.T. -0.003 min
Lab File: VU059928.D
Acq: 12 Jul 2024 17:46

Instrument :
MSVOA_U
ClientSampleId :
YDZJ9

Tgt Ion:105 Resp: 52352
Ion Ratio Lower Upper
105 100
120 45.9 35.4 53.0

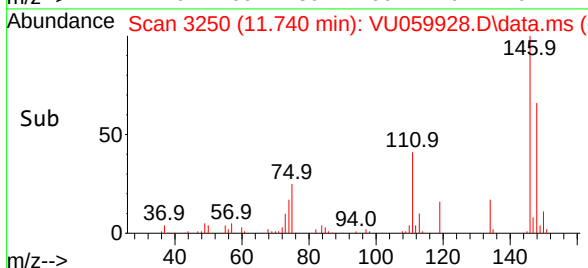
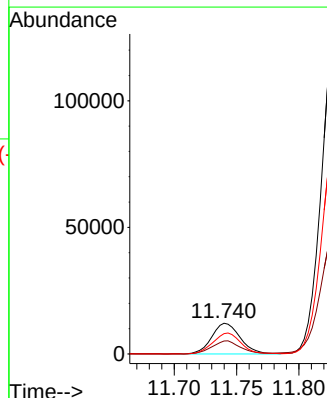
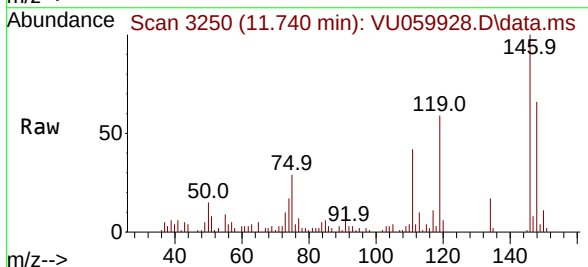
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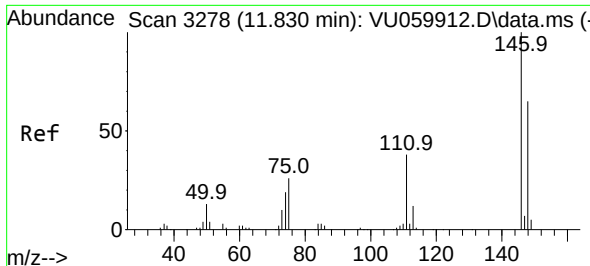
Reviewed By :Mahesh Dadoda 07/15/2024
Supervised By :Semsettin Yesilyurt 07/15/2024



#64
1,3-Dichlorobenzene
Concen: 0.555 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU059928.D
Acq: 12 Jul 2024 17:46

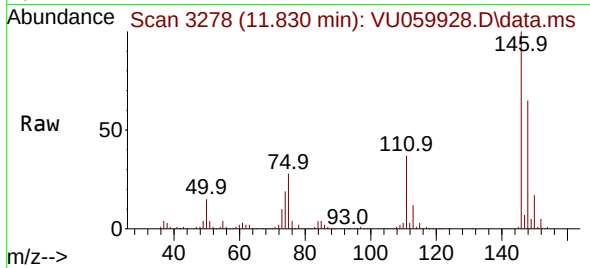
Tgt Ion:146 Resp: 19292
Ion Ratio Lower Upper
146 100
111 42.1 27.4 51.0
148 66.0 45.0 83.6





#65
1,4-Dichlorobenzene
Concen: 5.821 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU059928.D
Acq: 12 Jul 2024 17:46

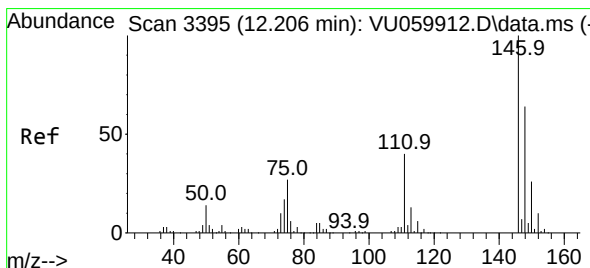
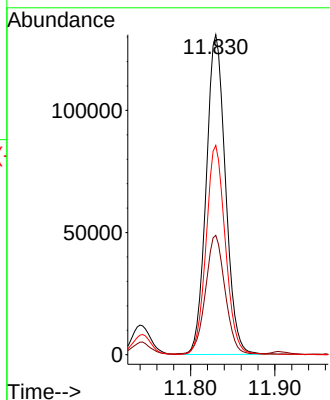
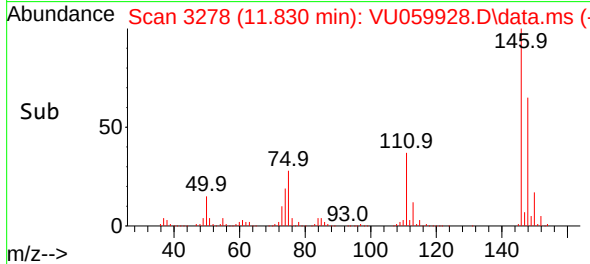
Instrument :
MSVOA_U
ClientSampleId :
YDZJ9



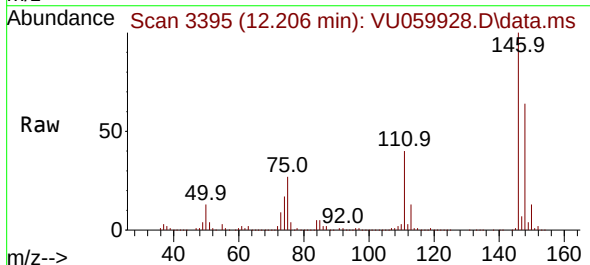
Tgt Ion:146 Resp: 208210
Ion Ratio Lower Upper
146 100
111 37.3 26.9 50.1
148 65.4 45.3 84.1

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: 25.750 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU059928.D
Acq: 12 Jul 2024 17:46



Tgt Ion:146 Resp: 842001
Ion Ratio Lower Upper
146 100
111 39.6 33.4 50.0
148 64.2 49.7 74.5

