

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071624\
 Data File : VU059976.D
 Acq On : 16 Jul 2024 15:55
 Operator : MD/SY
 Sample : P3217-21
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZF0

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/19/2024
 Supervised By :Semsettin Yesilyurt 07/19/2024

Quant Time: Jul 17 02:30:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 17 02:25:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	125876	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	131139	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	72081	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	33546	3.833	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.600%
7) Chloroethane-d5	1.907	69	31157	3.700	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.000%
11) 1,1-Dichloroethene-d2	2.557	65	13925	3.835	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.600%
20) 2-Butanone-d5	4.621	46	127646	70.798	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	141.600%#
24) Chloroform-d	5.058	84	67718	3.769	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.400%
26) 1,2-Dichloroethane-d4	5.701	65	39956	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.724	84	136493	3.782	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.600%
36) 1,2-Dichloropropane-d6	6.688	67	44853	4.056	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.200%
41) Toluene-d8	7.897	98	118622	3.535	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.800%
43) trans-1,3-Dichloroprop...	8.180	79	16752	4.837	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.800%
46) 2-Hexanone-d5	8.630	63	120859	83.994	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	167.980%#
56) 1,1,2,2-Tetrachloroeth...	10.753	84	48209	5.276	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	56176	4.379	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	12624	0.996	ug/L	90
8) Chloroethane	1.930	64	463776	60.697	ug/L	100
13) Acetone	2.624	43	20573	17.591	ug/L	95
18) trans-1,2-Dichloroethene	3.348	96	5923	0.638	ug/L	85
21) 2-Butanone	4.724	43	8159	4.349	ug/L	87
22) cis-1,2-Dichloroethene	4.660	96	11488	1.123	ug/L	89
30) Cyclohexane	5.383	56	80433	6.016	ug/L	96
33) Benzene	5.769	78	2270071	57.003	ug/L	100
35) Methylcyclohexane	6.759	83	121316	7.905	ug/L	99
42) Toluene	7.971	91	27829	0.660	ug/L	100
51) Chlorobenzene	9.444	112	2741934	102.539	ug/L	96
52) Ethylbenzene	9.569	91	64546	1.492	ug/L	97
53) m,p-Xylene	9.692	106	24988	1.504	ug/L	98
54) o-Xylene	10.103	106	4465	0.283	ug/L	88
60) Isopropylbenzene	10.483	105	2156938	48.441	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	65440m	1.855	ug/L	
63) 1,2,4-Trimethylbenzene	11.466	105	111896	3.318	ug/L	98
64) 1,3-Dichlorobenzene	11.746	146	18596	0.821	ug/L	97
65) 1,4-Dichlorobenzene	11.836	146	113109	4.852	ug/L	97

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QLast Update : Wed Jul 17 02:25:31 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.209	146	1199706	56.292	ug/L	98

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

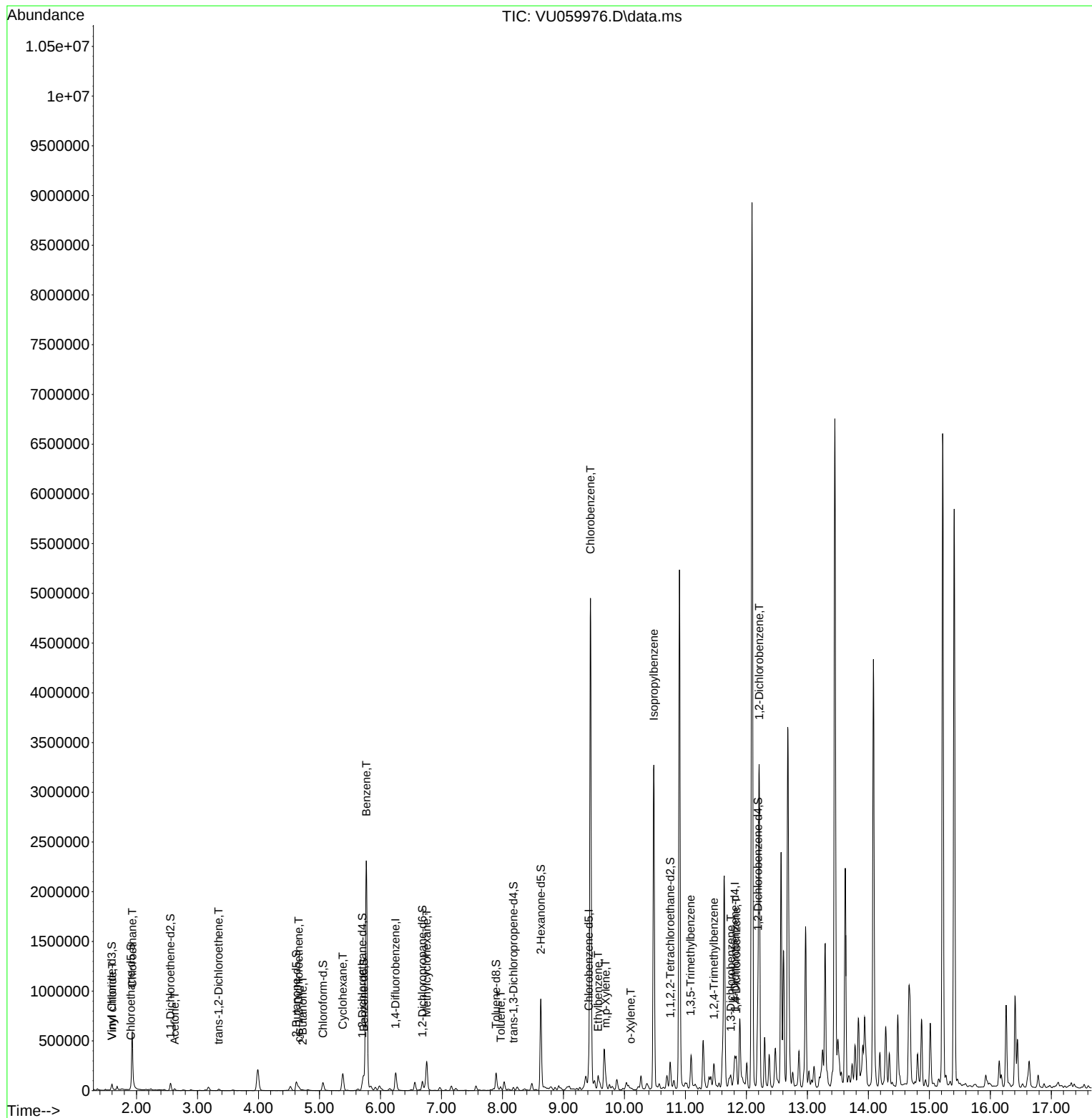
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071624\
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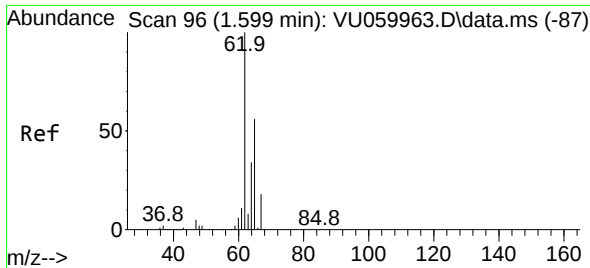
Instrument :
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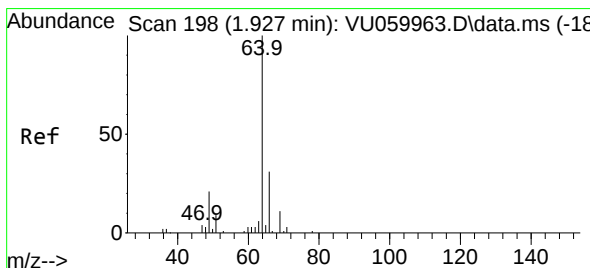
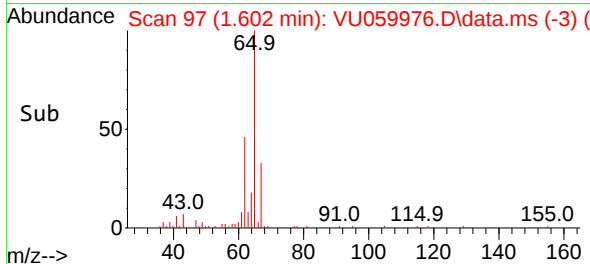
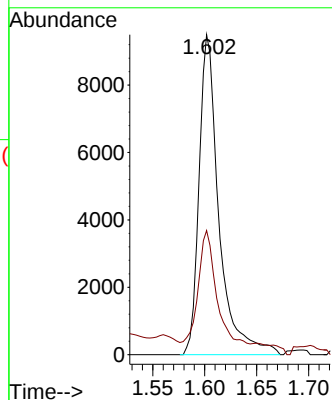
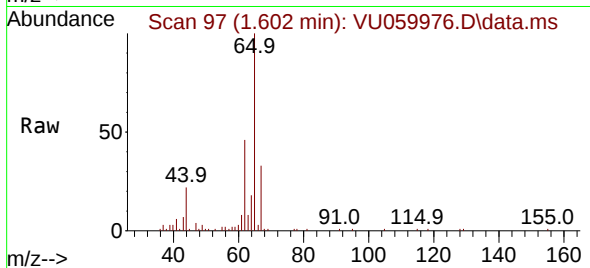
#5
 Vinyl chloride
 Concen: 0.996 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VU059976.D
 Acq: 16 Jul 2024 15:55

Instrument :
 MSVOA_U
 ClientSampleId :
 YDZF0

Tgt Ion: 62 Resp: 12624
 Ion Ratio Lower Upper
 62 100
 64 38.8 23.1 42.9

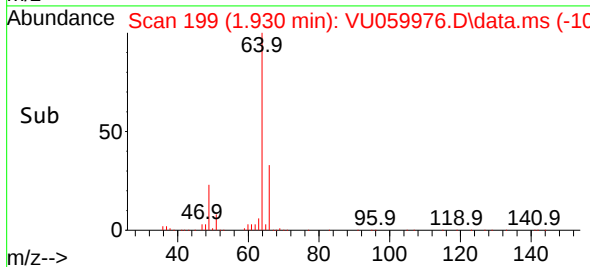
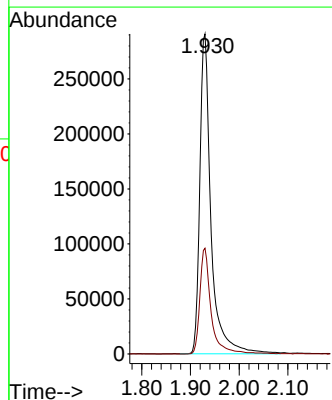
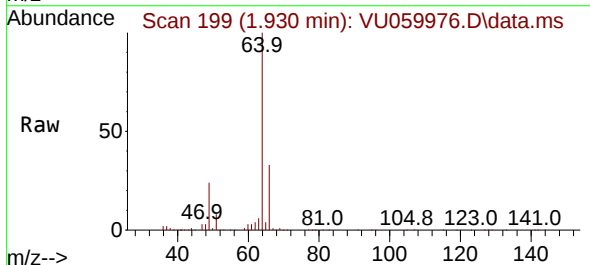
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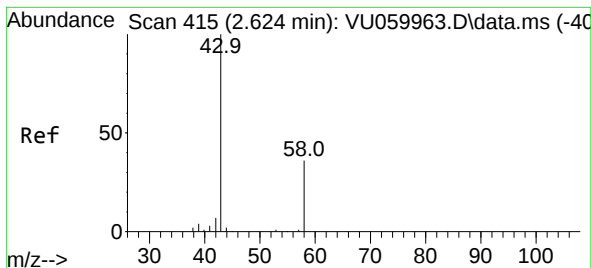
Reviewed By :Mahesh Dadoda 07/19/2024
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#8
 Chloroethane
 Concen: 60.697 ug/L
 RT: 1.930 min Scan# 199
 Delta R.T. 0.003 min
 Lab File: VU059976.D
 Acq: 16 Jul 2024 15:55

Tgt Ion: 64 Resp: 463776
 Ion Ratio Lower Upper
 64 100
 66 33.1 23.2 43.2





#13

Acetone

Concen: 17.591 ug/L

RT: 2.624 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU059976.D

Acq: 16 Jul 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :

YDZF0

Tgt Ion: 43 Resp: 2057

Ion Ratio Lower Upper

43 100

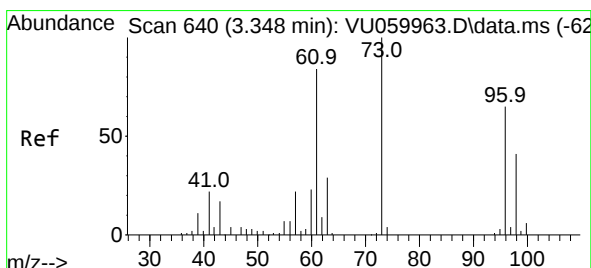
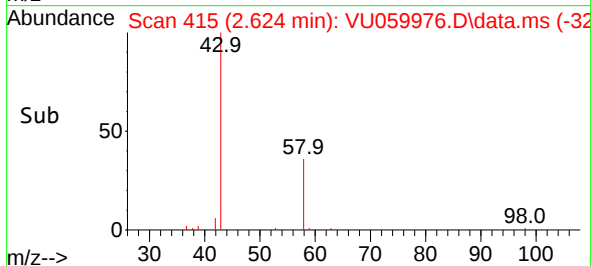
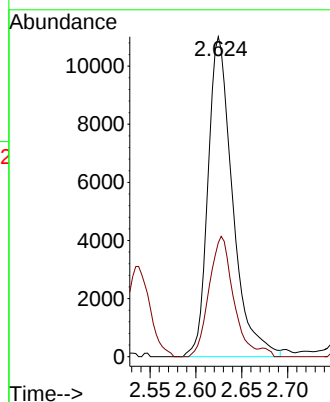
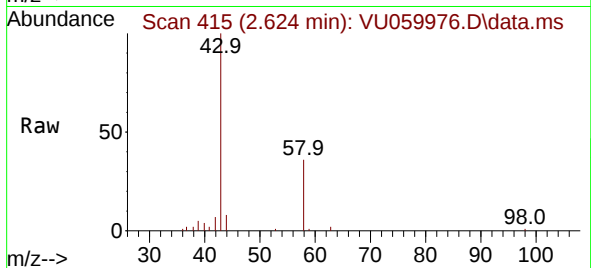
58 36.8 0.0 68.0

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#18

trans-1,2-Dichloroethene

Concen: 0.638 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.000 min

Lab File: VU059976.D

Acq: 16 Jul 2024 15:55

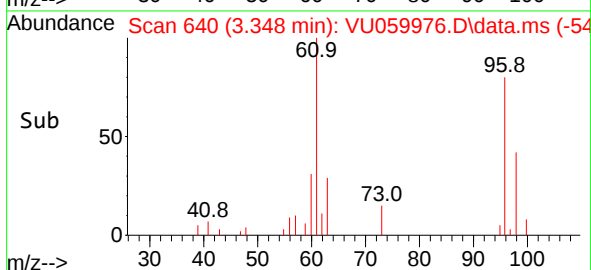
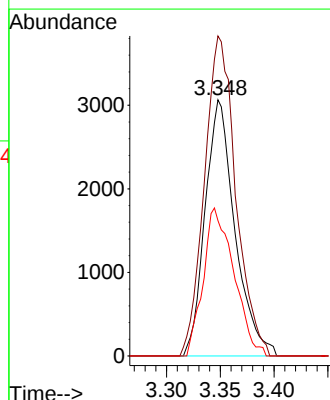
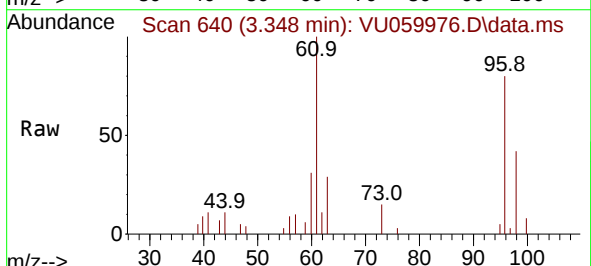
Tgt Ion: 96 Resp: 5923

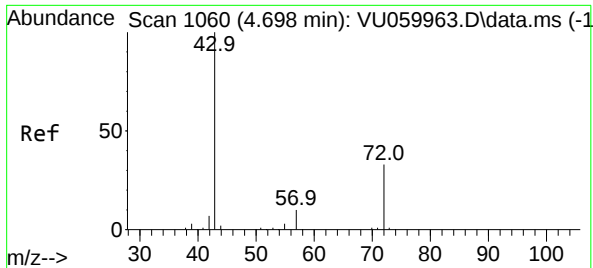
Ion Ratio Lower Upper

96 100

61 124.9 101.8 189.0

98 52.9 43.3 80.5





#21

2-Butanone

Concen: 4.349 ug/L

RT: 4.724 min Scan# 1068

Delta R.T. 0.026 min

Lab File: VU059976.D

Acq: 16 Jul 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :

YDZF0

Tgt Ion: 43 Resp: 815

Ion Ratio Lower Upper

43 100

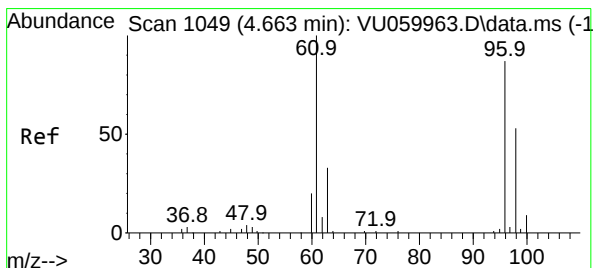
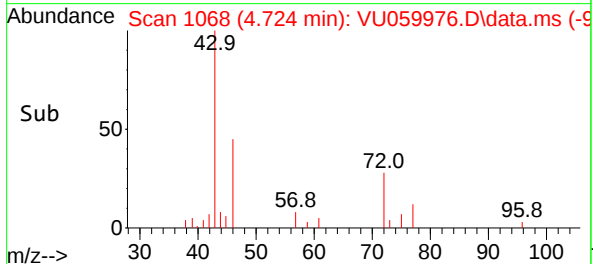
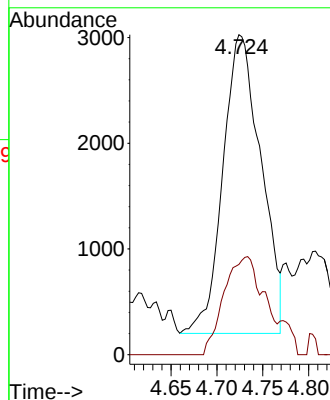
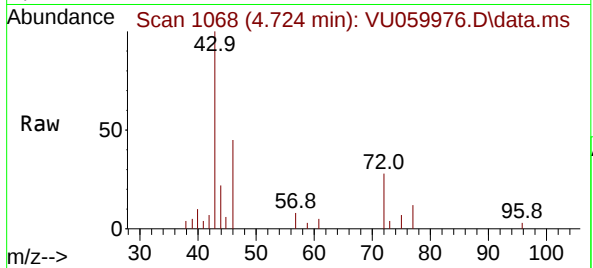
72 34.1 13.8 41.4

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#22

cis-1,2-Dichloroethene

Concen: 1.123 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.003 min

Lab File: VU059976.D

Acq: 16 Jul 2024 15:55

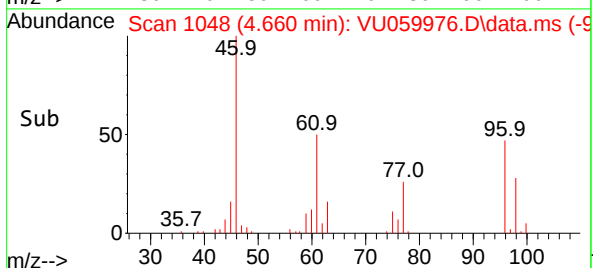
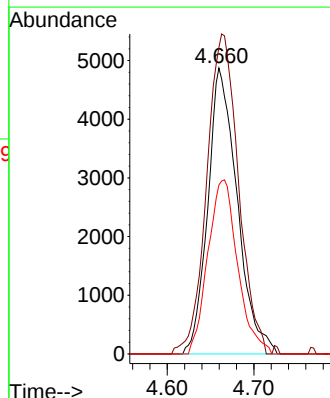
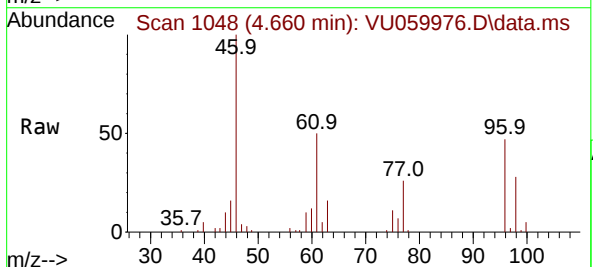
Tgt Ion: 96 Resp: 11488

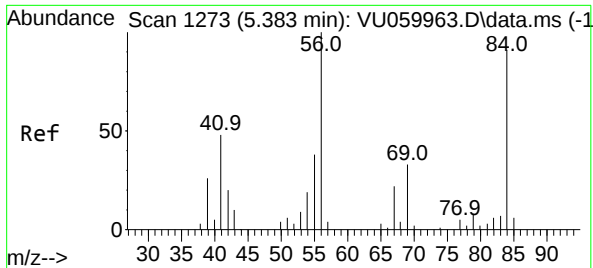
Ion Ratio Lower Upper

96 100

61 107.2 87.4 162.2

98 59.1 42.3 78.5





#30
Cyclohexane
Concen: 6.016 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.000 min
Lab File: VU059976.D
Acq: 16 Jul 2024 15:55

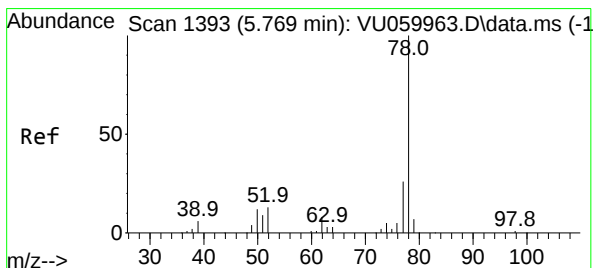
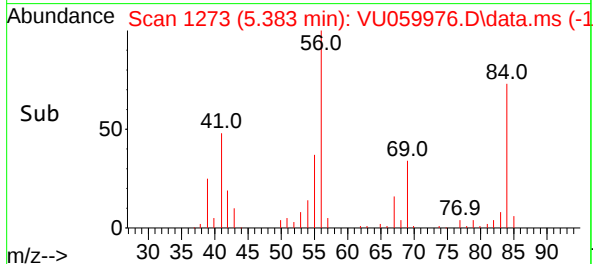
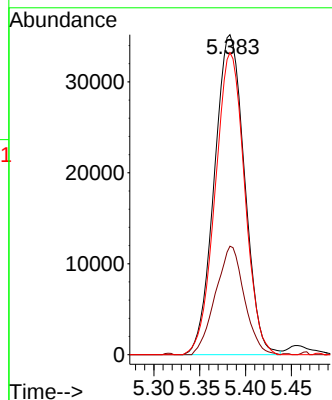
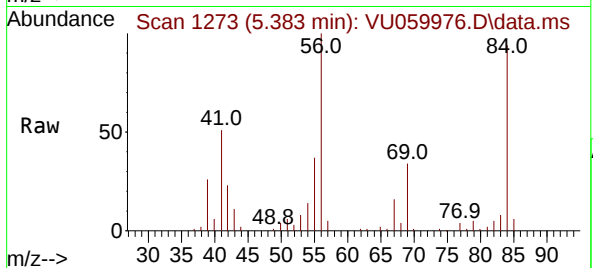
Instrument : MSVOA_U
ClientSampleId : YDZF0

Tgt Ion: 56 Resp: 8043

Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.8	37.2
84	92.1	69.8	104.8

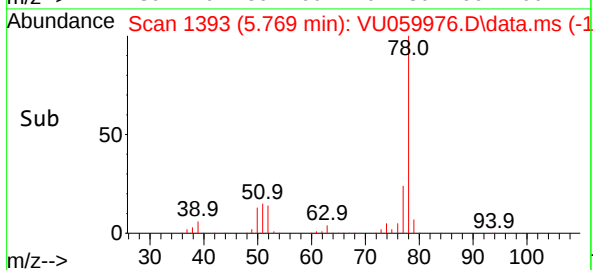
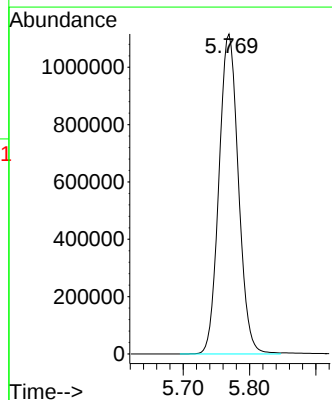
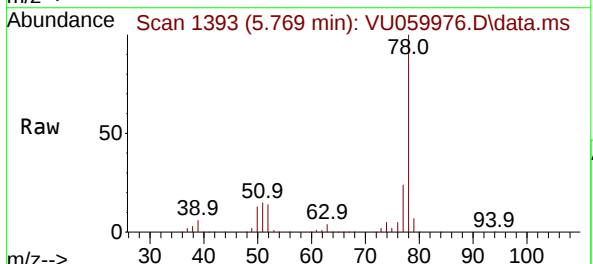
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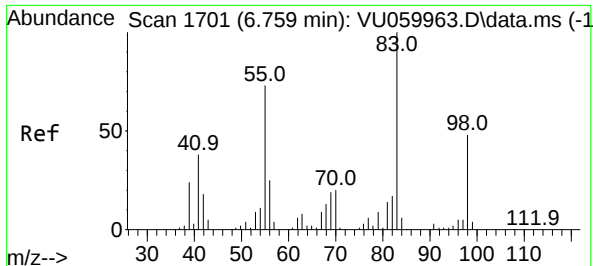
Reviewed By :Mahesh Dadoda 07/19/2024
Supervised By :Semsettin Yesilyurt 07/19/2024



#33
Benzene
Concen: 57.003 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU059976.D
Acq: 16 Jul 2024 15:55

Tgt Ion: 78 Resp: 2270071





#35

Methylcyclohexane

Concen: 7.905 ug/L

RT: 6.759 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU059976.D

Acq: 16 Jul 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :

YDZF0

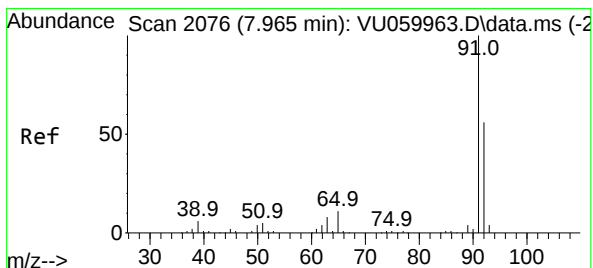
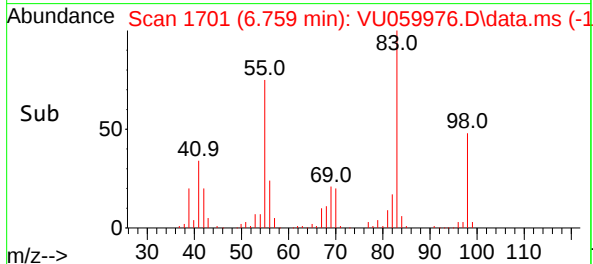
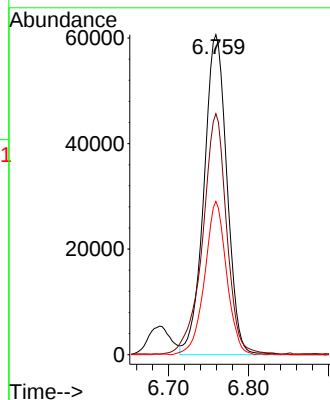
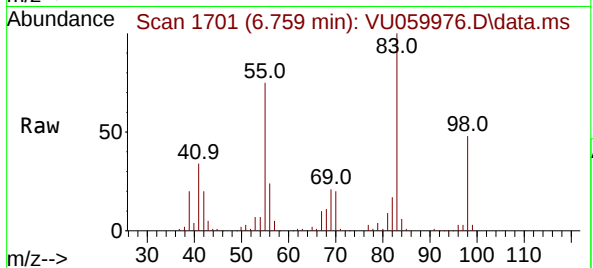
Tgt Ion: 83 Resp: 121310

Ion	Ratio	Lower	Upper
83	100		
55	78.1	62.7	94.1
98	45.6	35.4	53.0

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#42

Toluene

Concen: 0.660 ug/L

RT: 7.971 min Scan# 2078

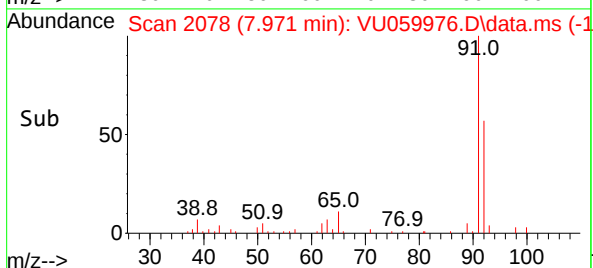
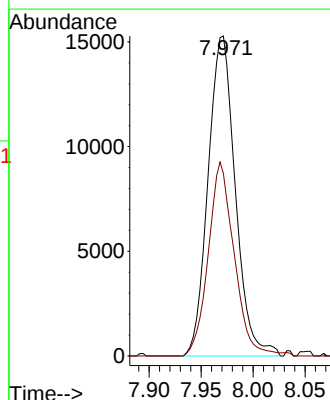
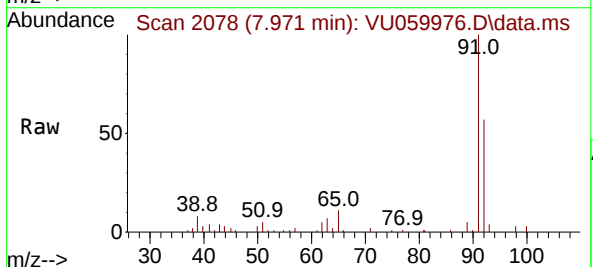
Delta R.T. 0.006 min

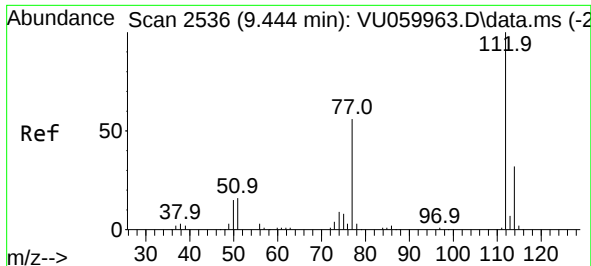
Lab File: VU059976.D

Acq: 16 Jul 2024 15:55

Tgt Ion: 91 Resp: 27829

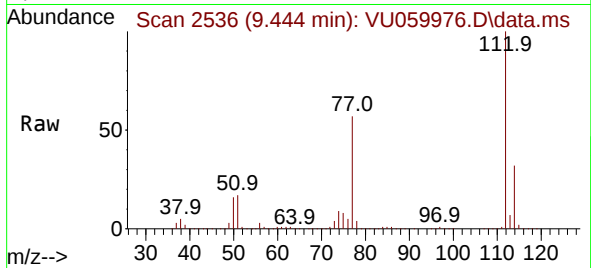
Ion	Ratio	Lower	Upper
91	100		
92	57.0	39.7	73.7





#51
Chlorobenzene
Concen: 102.539 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. -0.000 min
Lab File: VU059976.D
Acq: 16 Jul 2024 15:55

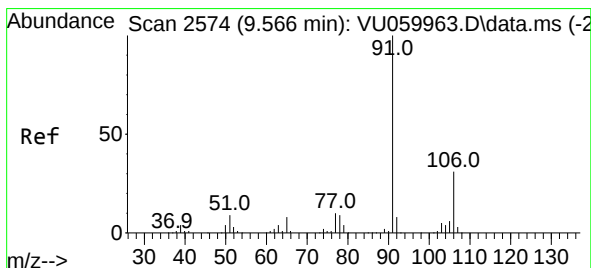
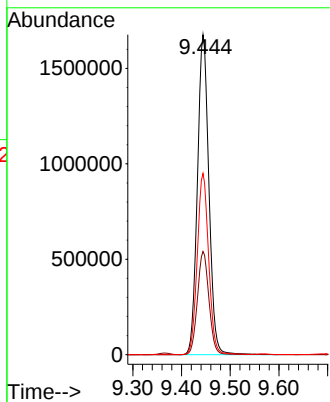
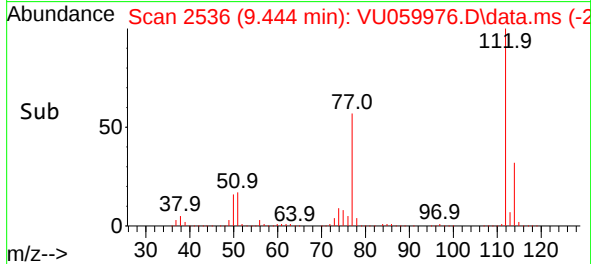
Instrument :
MSVOA_U
ClientSampleId :
YDZF0



Tgt Ion:112 Resp: 2741934
Ion Ratio Lower Upper
112 100
114 32.2 22.4 41.6
77 56.7 49.1 73.7

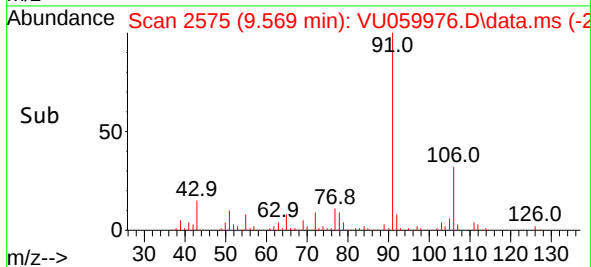
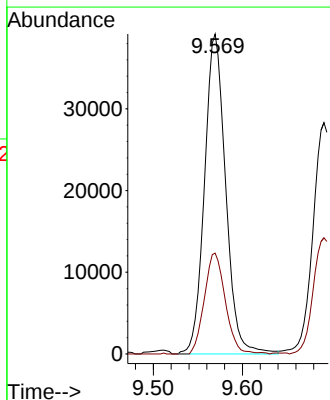
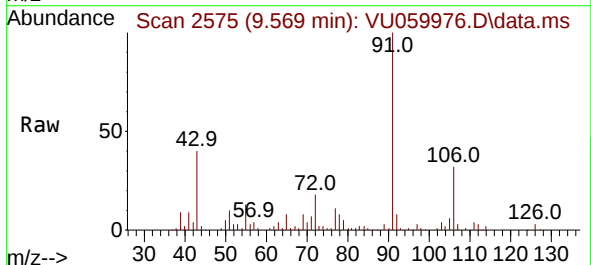
Manual Integrations
APPROVED

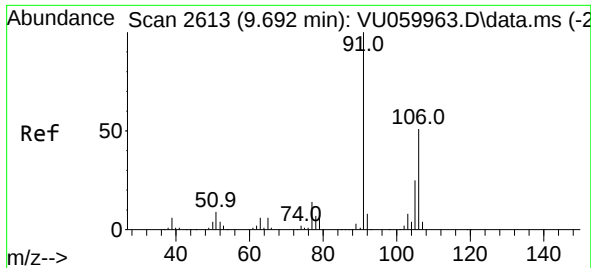
Reviewed By :Mahesh Dadoda 07/19/2024
Supervised By :Semsettin Yesilyurt 07/19/2024



#52
Ethylbenzene
Concen: 1.492 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU059976.D
Acq: 16 Jul 2024 15:55

Tgt Ion: 91 Resp: 64546
Ion Ratio Lower Upper
91 100
106 31.5 20.9 38.7





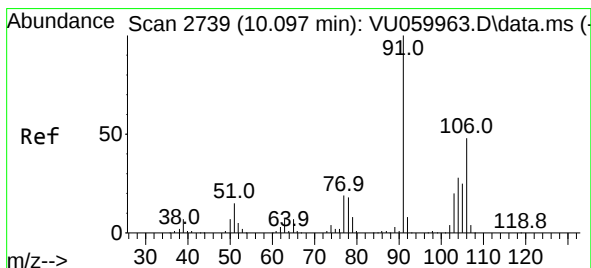
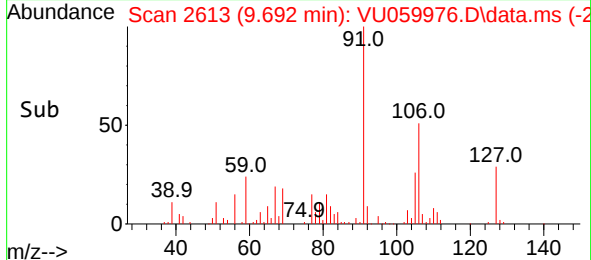
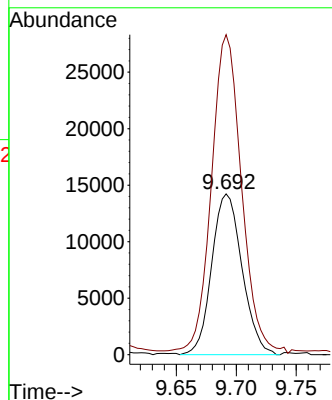
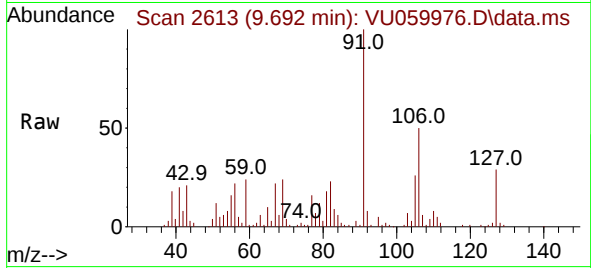
#53
m,p-Xylene
Concen: 1.504 ug/L
RT: 9.692 min Scan# 2098
Delta R.T. -0.000 min
Lab File: VU059976.D
Acq: 16 Jul 2024 15:55

Instrument :
MSVOA_U
ClientSampleId :
YDZF0

Tgt Ion:106 Resp: 2498
Ion Ratio Lower Upper
106 100
91 199.1 142.0 263.8

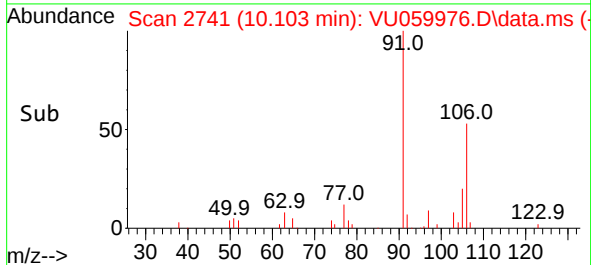
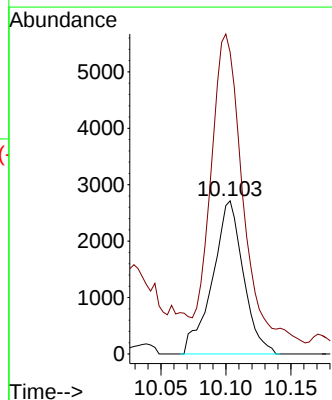
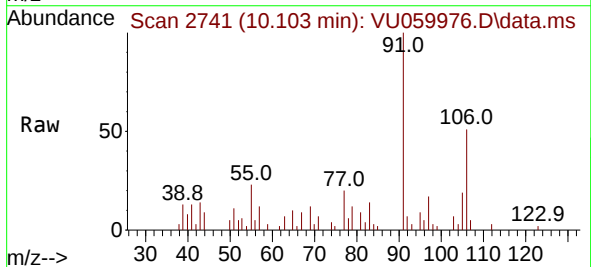
Manual Integrations
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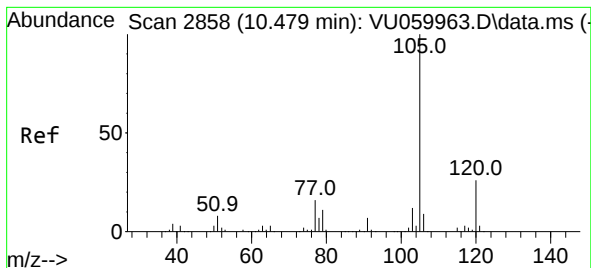
Reviewed By :Mahesh Dadoda 07/19/2024
Supervised By :Semsettin Yesilyurt 07/19/2024



#54
o-Xylene
Concen: 0.283 ug/L
RT: 10.103 min Scan# 2741
Delta R.T. 0.006 min
Lab File: VU059976.D
Acq: 16 Jul 2024 15:55

Tgt Ion:106 Resp: 4465
Ion Ratio Lower Upper
106 100
91 197.2 151.6 281.6





#60

Isopropylbenzene

Concen: 48.441 ug/L

RT: 10.483 min Scan# 2156938

Delta R.T. 0.003 min

Lab File: VU059976.D

Acq: 16 Jul 2024 15:55

Instrument :

MSVOA_U

ClientSampleId :

YDZF0

Tgt Ion:105 Resp: 2156938

Ion Ratio Lower Upper

105 100

120 26.8 20.6 31.0

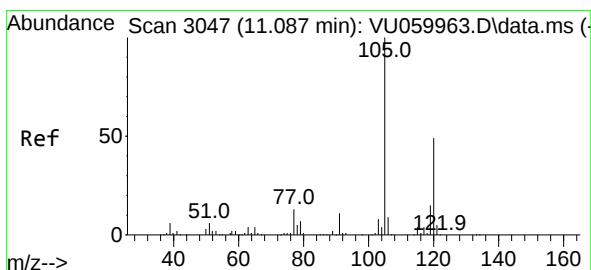
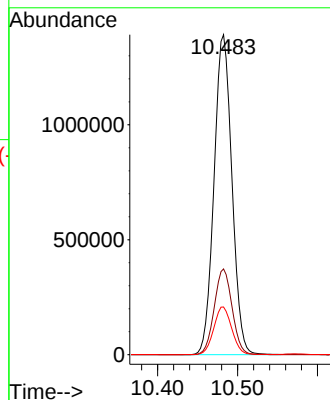
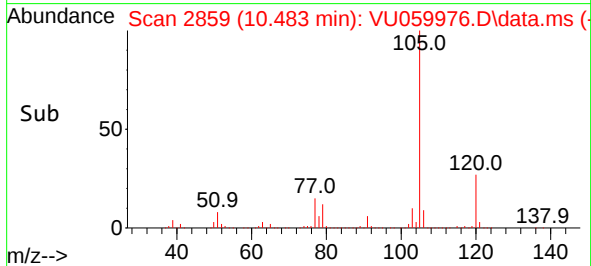
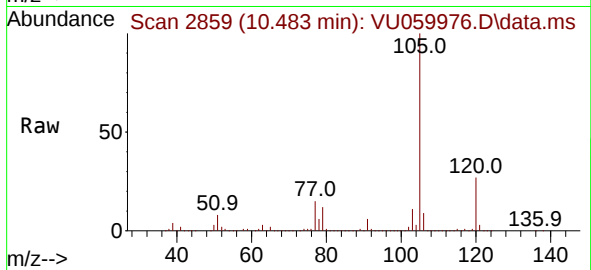
77 15.0 12.8 19.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 07/19/2024

Supervised By :Semsettin Yesilyurt 07/19/2024



#62

1,3,5-Trimethylbenzene

Concen: 1.855 ug/L m

RT: 11.087 min Scan# 3047

Delta R.T. -0.000 min

Lab File: VU059976.D

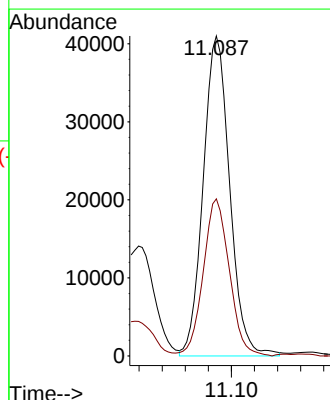
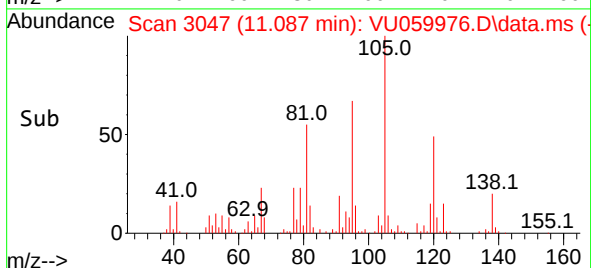
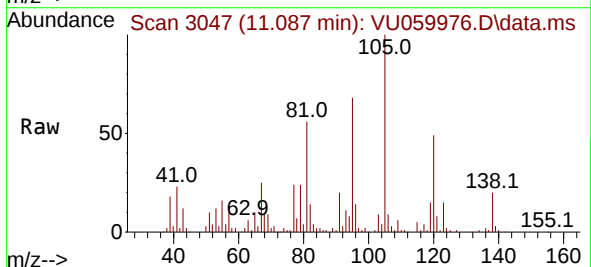
Acq: 16 Jul 2024 15:55

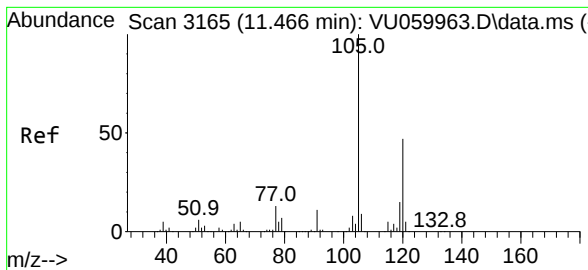
Tgt Ion:105 Resp: 65440

Ion Ratio Lower Upper

105 100

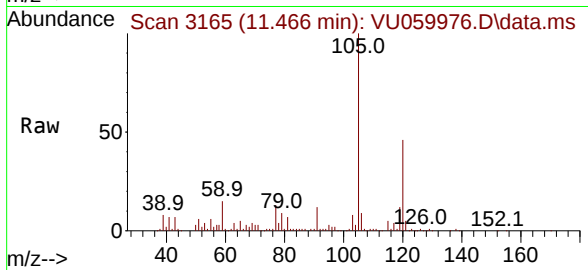
120 78.3 38.2 57.4#





#63
1,2,4-Trimethylbenzene
Concen: 3.318 ug/L
RT: 11.466 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VU059976.D
Acq: 16 Jul 2024 15:55

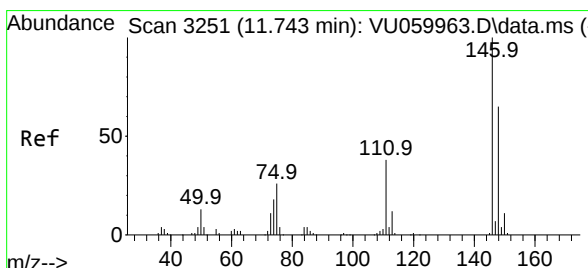
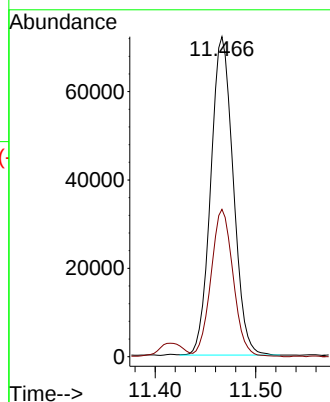
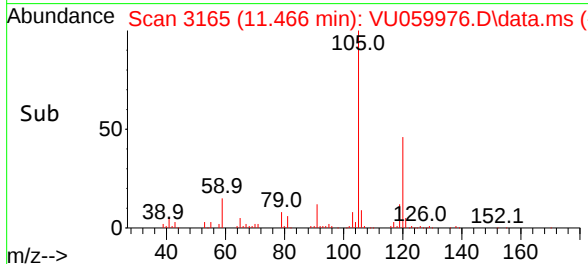
Instrument :
MSVOA_U
ClientSampleId :
YDZF0



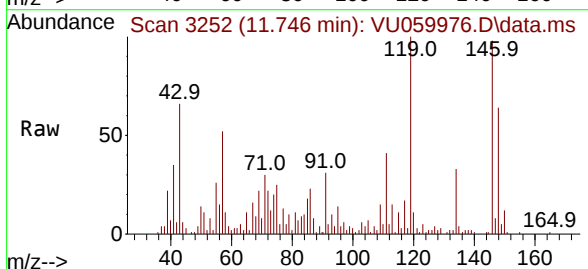
Tgt Ion:105 Resp: 111890
Ion Ratio Lower Upper
105 100
120 45.8 35.4 53.0

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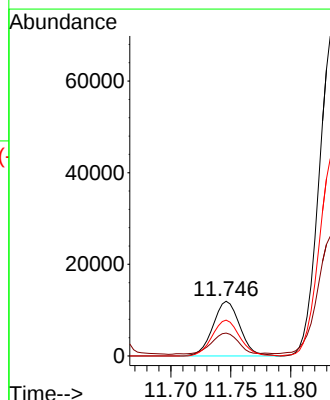
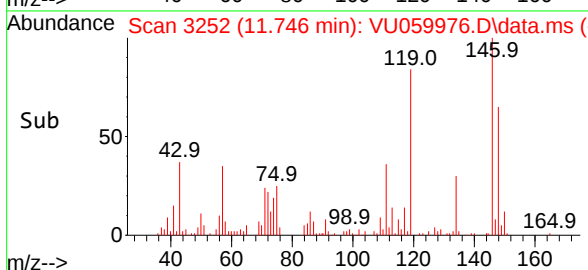
Reviewed By :Mahesh Dadoda 07/19/2024
Supervised By :Semsettin Yesilyurt 07/19/2024

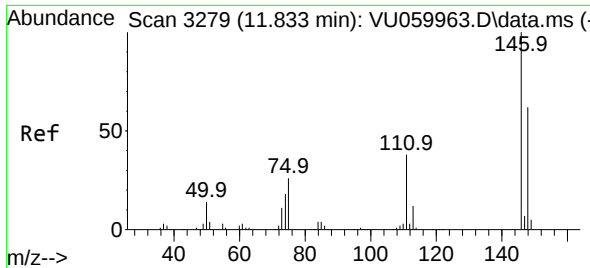


#64
1,3-Dichlorobenzene
Concen: 0.821 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU059976.D
Acq: 16 Jul 2024 15:55



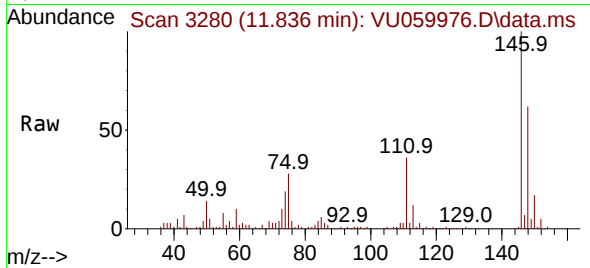
Tgt Ion:146 Resp: 18596
Ion Ratio Lower Upper
146 100
111 41.9 27.4 51.0
148 65.5 45.0 83.6





#65
1,4-Dichlorobenzene
Concen: 4.852 ug/L
RT: 11.836 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU059976.D
Acq: 16 Jul 2024 15:55

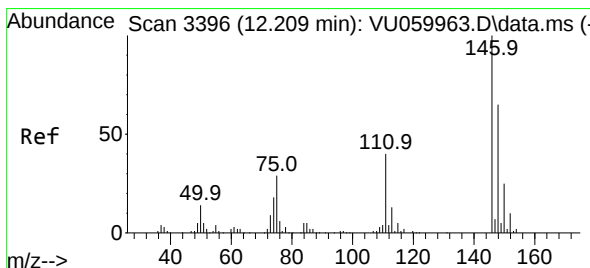
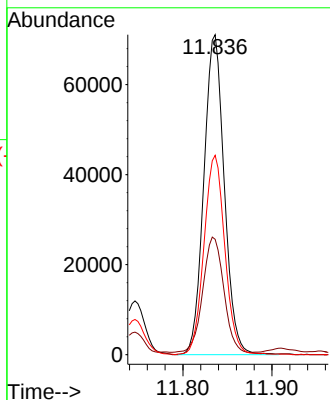
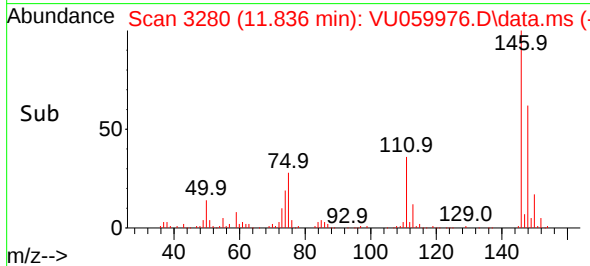
Instrument :
MSVOA_U
ClientSampleId :
YDZF0



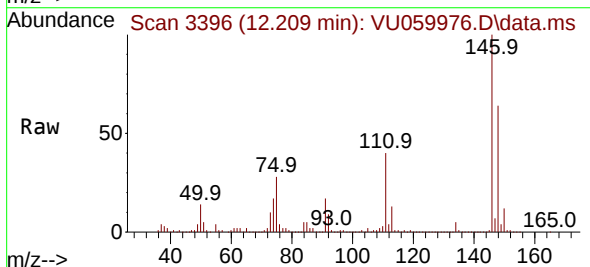
Tgt Ion:146 Resp: 113109
Ion Ratio Lower Upper
146 100
111 36.1 26.9 50.1
148 62.3 45.3 84.1

Manual Integrations
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Reviewed By :Mahesh Dadoda 07/19/2024
Supervised By :Semsettin Yesilyurt 07/19/2024



#67
1,2-Dichlorobenzene
Concen: 56.292 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. -0.000 min
Lab File: VU059976.D
Acq: 16 Jul 2024 15:55



Tgt Ion:146 Resp: 1199706
Ion Ratio Lower Upper
146 100
111 40.3 33.4 50.0
148 63.6 49.7 74.5

