

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091624\
 Data File : VU060805.D
 Acq On : 17 Sep 2024 02:18
 Operator : MD/SY
 Sample : P3973-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AR3

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/18/2024
 Supervised By :Semsettin Yesilyurt 09/18/2024

Quant Time: Sep 17 06:35:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 17 02:49:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.258	114	163942	5.000	ug/L	0.02
28) Chlorobenzene-d5	9.418	117	191162	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	112094	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	24446	1.658	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	33.200%#
7) Chloroethane-d5	1.911	69	29002	2.762	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	55.200%#
11) 1,1-Dichloroethene-d2	2.560	65	12122	2.319	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	46.400%#
20) 2-Butanone-d5	4.721	46	80471	33.994	ug/L	0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	=	67.980%
24) Chloroform-d	5.075	84	72136	3.200	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	64.000%#
26) 1,2-Dichloroethane-d4	5.718	65	38130	3.539	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.800%
32) Benzene-d6	5.734	84	142013	2.772	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	55.400%#
36) 1,2-Dichloropropane-d6	6.698	67	50947	3.214	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	=	64.200%
41) Toluene-d8	7.949	98	137464m	2.943	ug/L	0.06
Spiked Amount	5.000	Range	70 - 130	Recovery	=	58.800%#
43) trans-1,3-Dichloroprop...	8.197	79	14144	2.479	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	49.600%#
46) 2-Hexanone-d5	8.644	63	83988	37.312	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.620%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	50161	4.039	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	71290	3.785	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	75.600%#
Target Compounds						Qvalue
5) Vinyl chloride	1.592	62	4510	0.319	ug/L	100
8) Chloroethane	1.930	64	299100	34.602	ug/L	98
12) 1,1-Dichloroethene	2.573	96	17038	1.652	ug/L	94
13) Acetone	2.756	43	26103m	16.528	ug/L	
15) Methyl Acetate	3.001	43	16390m	4.257	ug/L	
19) 1,1-Dichloroethane	3.846	63	1409558	65.699	ug/L	99
22) cis-1,2-Dichloroethene	4.663	96	10200	0.862	ug/L	91
29) 1,1,1-Trichloroethane	5.322	97	488585	23.674	ug/L	99
30) Cyclohexane	5.390	56	204008	12.027	ug/L	98
33) Benzene	5.779	78	157881	3.004	ug/L	100
35) Methylcyclohexane	6.766	83	167643	8.868	ug/L	92
42) Toluene	8.013	91	100909191m	1836.070	ug/L	
51) Chlorobenzene	9.451	112	6165	0.167	ug/L	86
52) Ethylbenzene	9.563	91	18692116m	323.072	ug/L	
53) m,p-Xylene	9.692	106	22453427m	1023.516	ug/L	
54) o-Xylene	10.103	106	15121204	698.477	ug/L	# 29
60) Isopropylbenzene	10.479	105	3196729	48.122	ug/L	99
62) 1,3,5-Trimethylbenzene	11.081	105	1986720	38.481	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	9584416	187.883	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

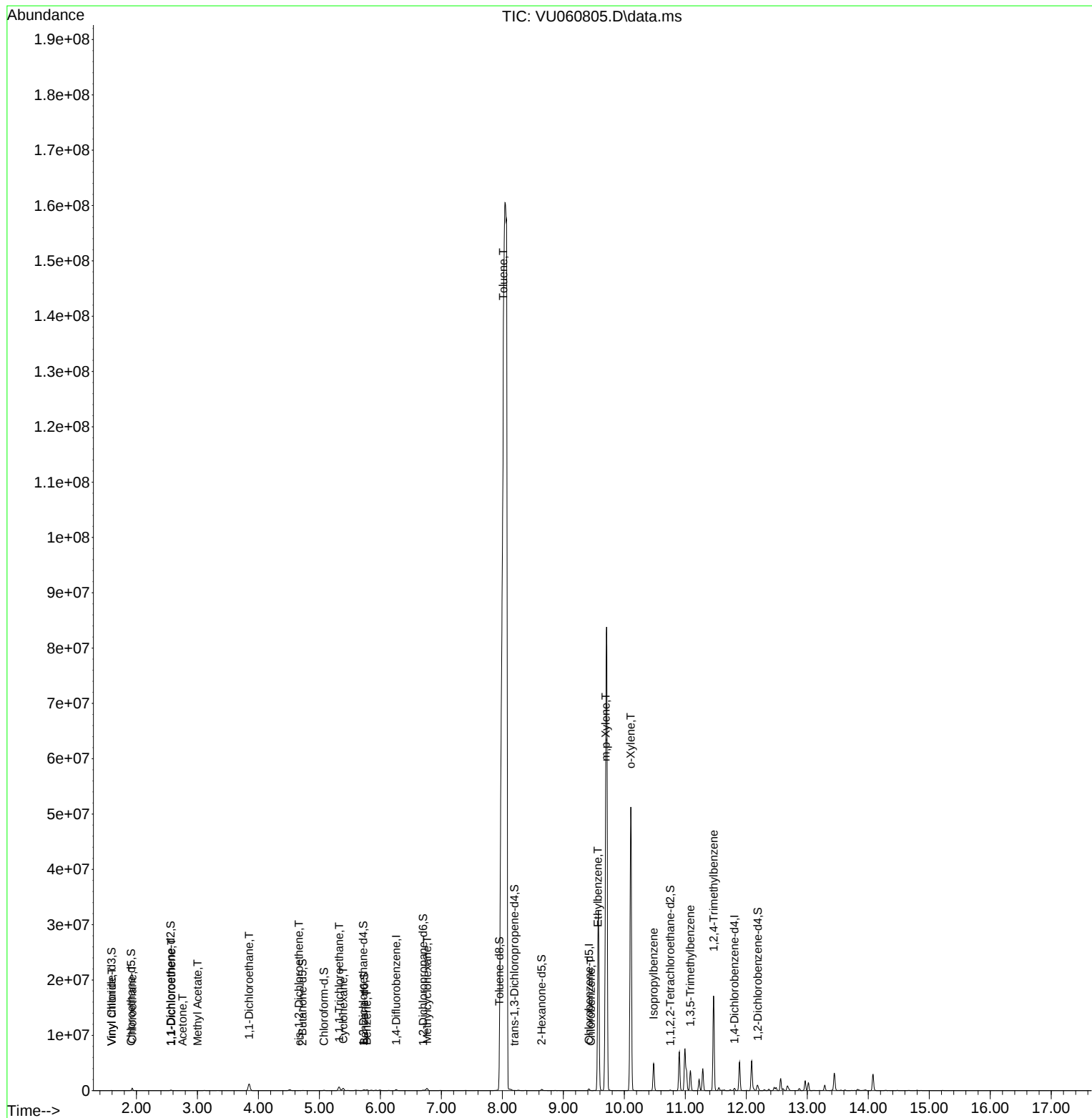
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091624\
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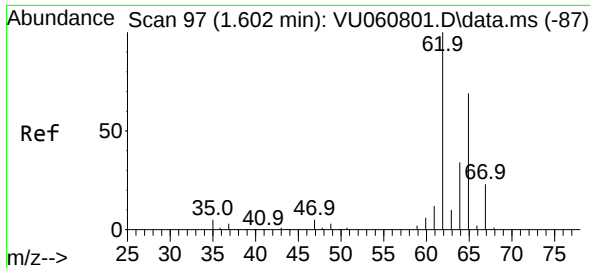
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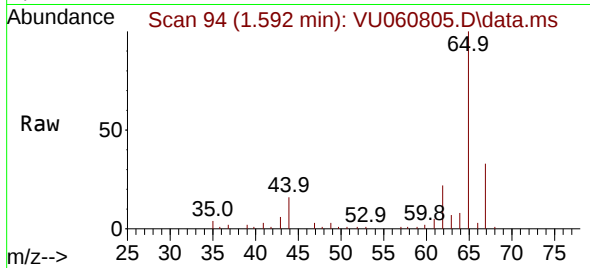
Quant Time: Sep 17 06:35:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
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#5
 Vinyl chloride
 Concen: 0.319 ug/L
 RT: 1.592 min Scan# 94
 Delta R.T. -0.010 min
 Lab File: VU060805.D
 Acq: 17 Sep 2024 02:18

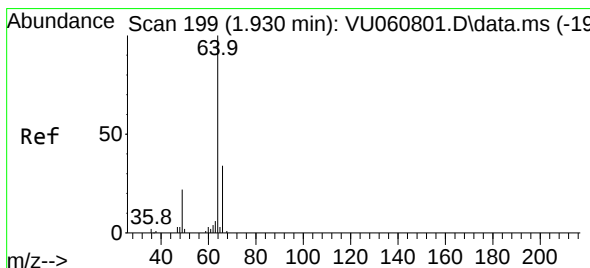
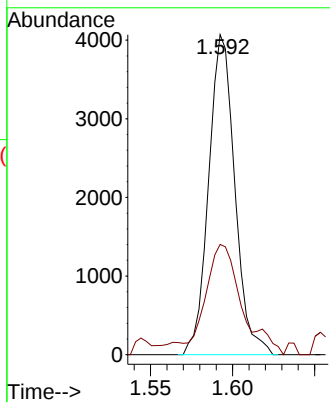
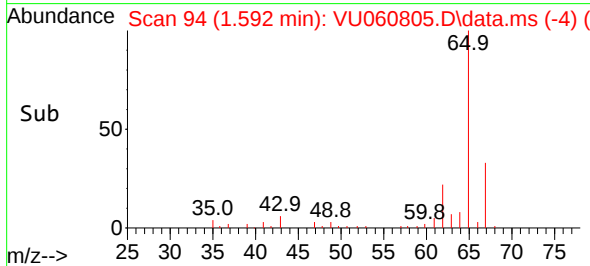
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AR3



Tgt Ion: 62 Resp: 4510
 Ion Ratio Lower Upper
 62 100
 64 34.4 24.0 44.6

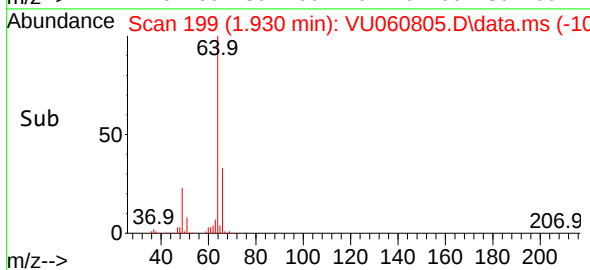
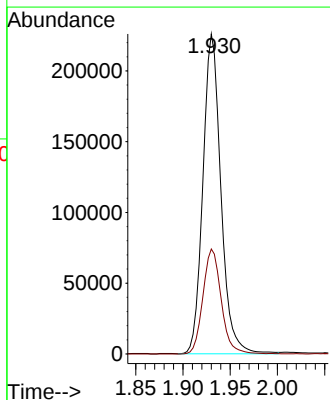
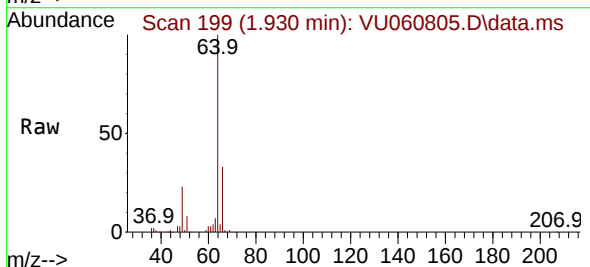
Manual Integrations
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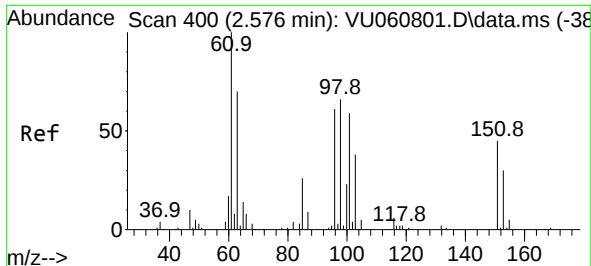
Reviewed By :Mahesh Dadoda 09/18/2024
 Supervised By :Semsettin Yesilyurt 09/18/2024



#8
 Chloroethane
 Concen: 34.602 ug/L
 RT: 1.930 min Scan# 199
 Delta R.T. -0.000 min
 Lab File: VU060805.D
 Acq: 17 Sep 2024 02:18

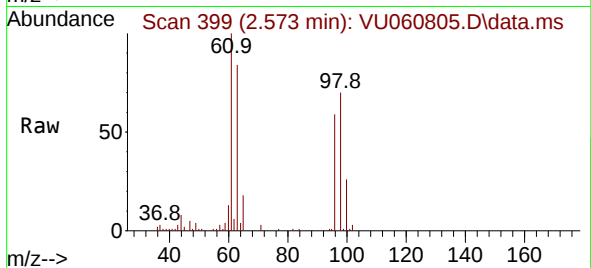
Tgt Ion: 64 Resp: 299100
 Ion Ratio Lower Upper
 64 100
 66 32.8 22.3 41.3





#12
1,1-Dichloroethene
Concen: 1.652 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU060805.D
Acq: 17 Sep 2024 02:18

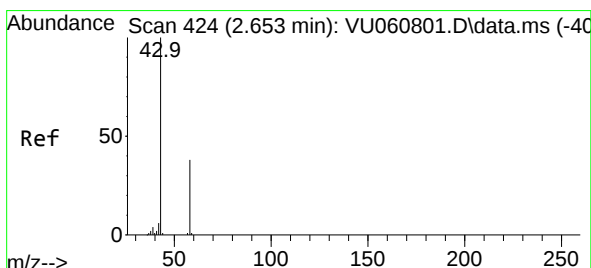
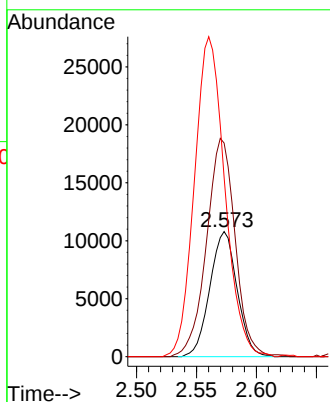
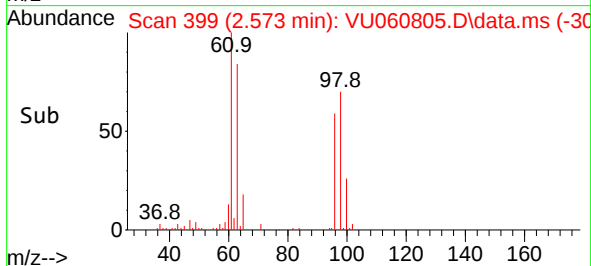
Instrument :
MSVOA_U
ClientSampleId :
C0AR3



Tgt Ion: 96 Resp: 17038
Ion Ratio Lower Upper
96 100
61 170.6 120.7 224.1
63 143.1 90.0 167.2

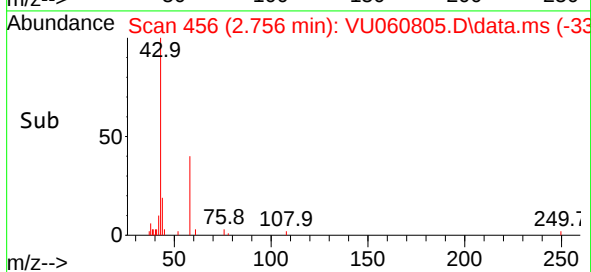
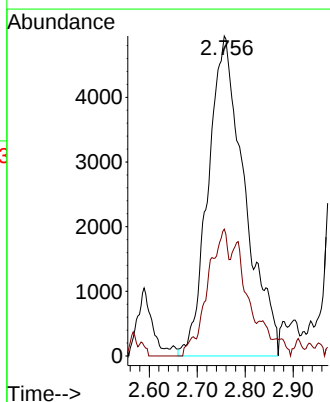
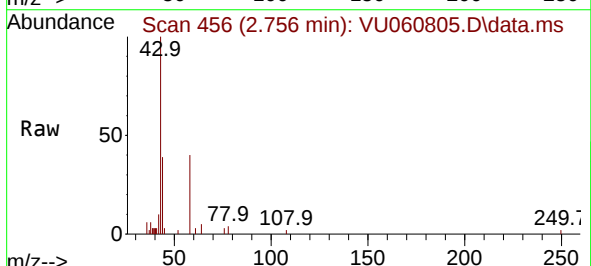
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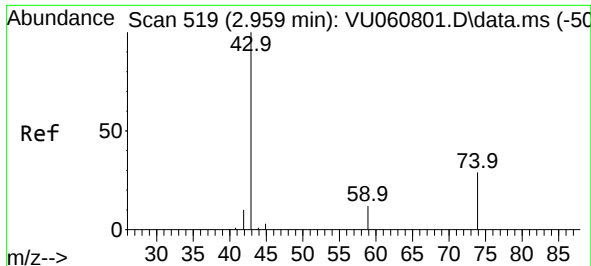
Reviewed By :Mahesh Dadoda 09/18/2024
Supervised By :Semsettin Yesilyurt 09/18/2024



#13
Acetone
Concen: 16.528 ug/L m
RT: 2.756 min Scan# 456
Delta R.T. 0.103 min
Lab File: VU060805.D
Acq: 17 Sep 2024 02:18

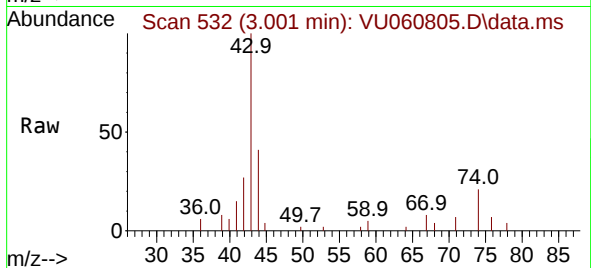
Tgt Ion: 43 Resp: 26103
Ion Ratio Lower Upper
43 100
58 0.7 0.0 69.6





#15
Methyl Acetate
Concen: 4.257 ug/L m
RT: 3.001 min Scan# 519
Delta R.T. 0.042 min
Lab File: VU060805.D
Acq: 17 Sep 2024 02:18

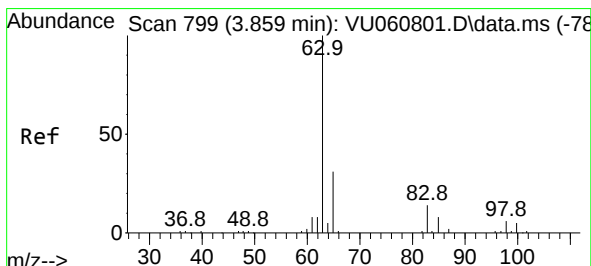
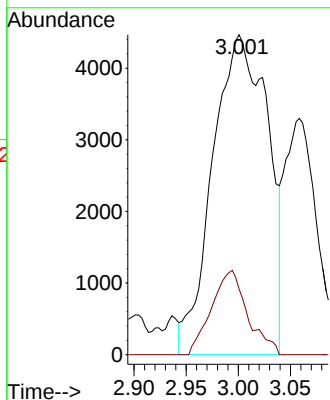
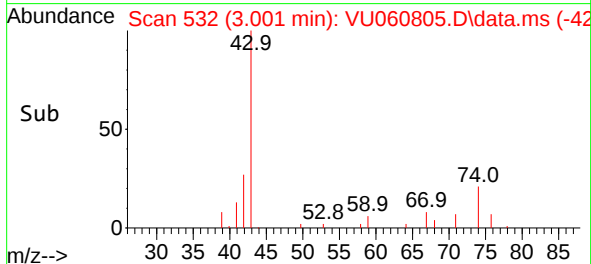
Instrument :
MSVOA_U
ClientSampleId :
C0AR3



Tgt Ion: 43 Resp: 16390
Ion Ratio Lower Upper
43 100
74 17.4 18.9 28.3

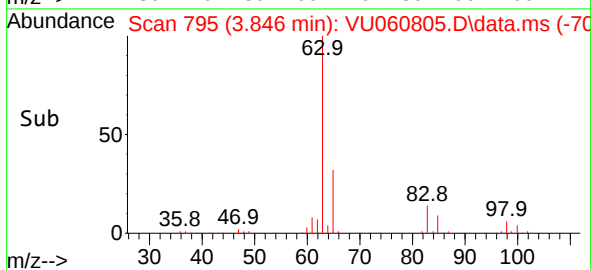
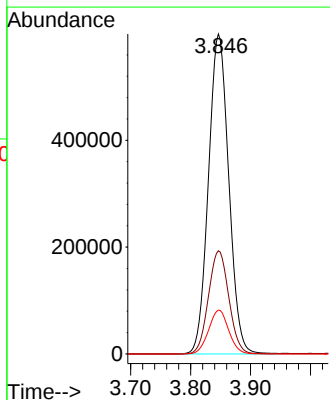
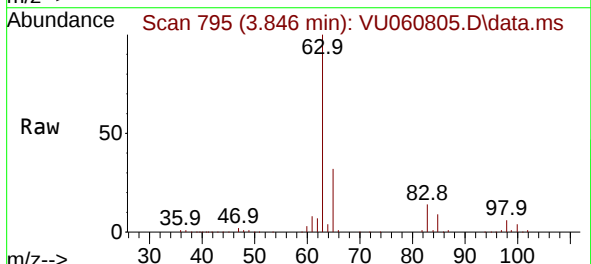
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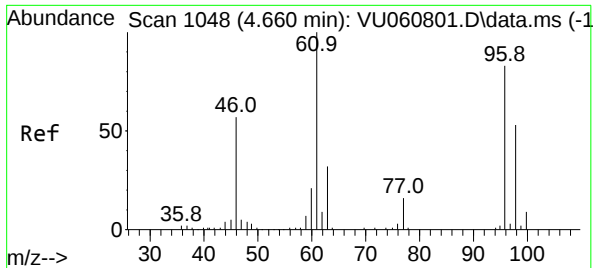
Reviewed By :Mahesh Dadoda 09/18/2024
Supervised By :Semsettin Yesilyurt 09/18/2024



#19
1,1-Dichloroethane
Concen: 65.699 ug/L
RT: 3.846 min Scan# 795
Delta R.T. -0.013 min
Lab File: VU060805.D
Acq: 17 Sep 2024 02:18

Tgt Ion: 63 Resp: 1409558
Ion Ratio Lower Upper
63 100
65 32.2 23.0 42.8
83 13.7 9.0 16.6





#22

cis-1,2-Dichloroethene

Concen: 0.862 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. 0.003 min

Lab File: VU060805.D

Acq: 17 Sep 2024 02:18

Instrument :

MSVOA_U

ClientSampleId :

C0AR3

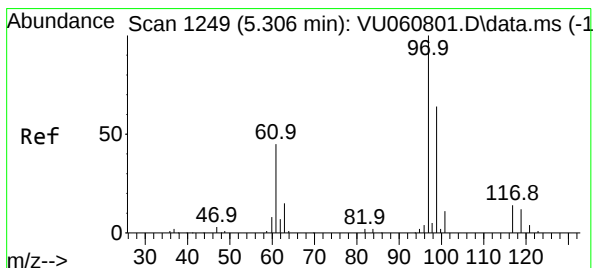
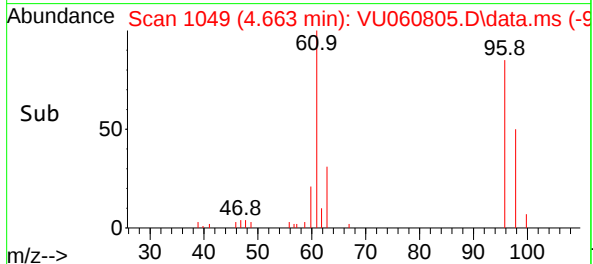
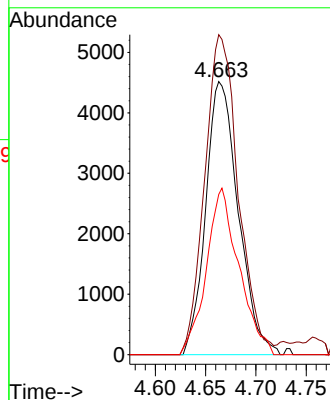
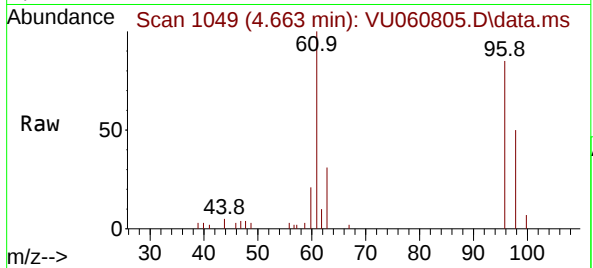
Tgt Ion: 96 Resp: 10200

Ion	Ratio	Lower	Upper
96	100		
61	117.2	89.7	166.5
98	58.7	45.1	83.9

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#29

1,1,1-Trichloroethane

Concen: 23.674 ug/L

RT: 5.322 min Scan# 1254

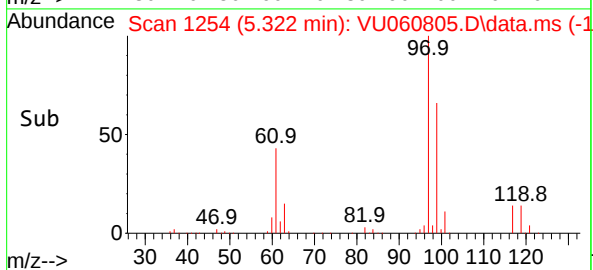
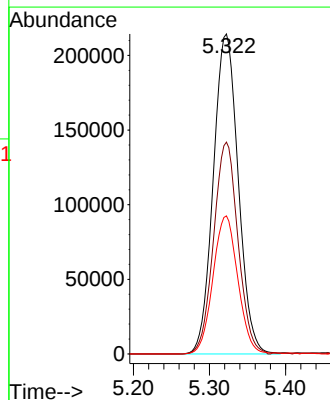
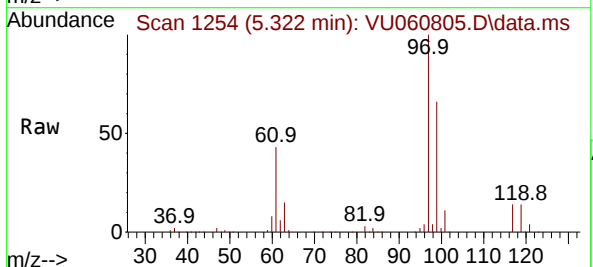
Delta R.T. 0.016 min

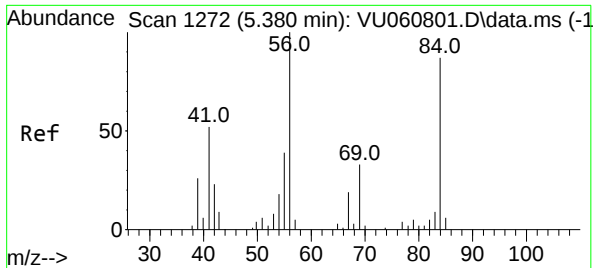
Lab File: VU060805.D

Acq: 17 Sep 2024 02:18

Tgt Ion: 97 Resp: 488585

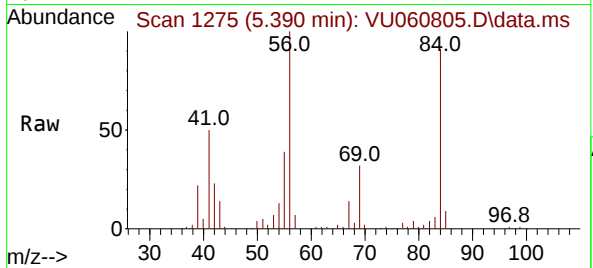
Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.5	75.7
61	43.1	34.4	51.6





#30
Cyclohexane
Concen: 12.027 ug/L
RT: 5.390 min Scan# 11
Delta R.T. 0.010 min
Lab File: VU060805.D
Acq: 17 Sep 2024 02:18

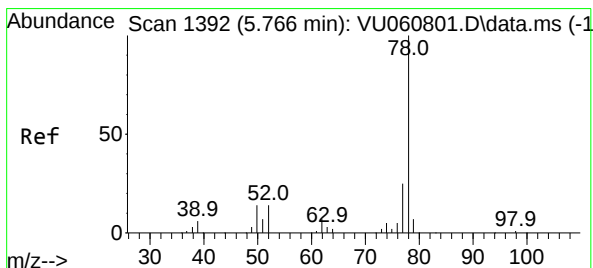
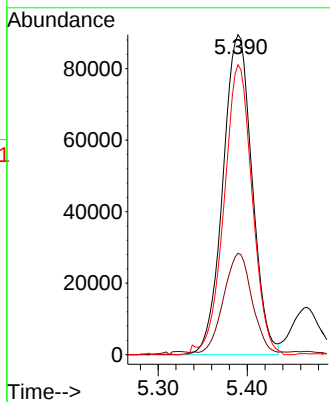
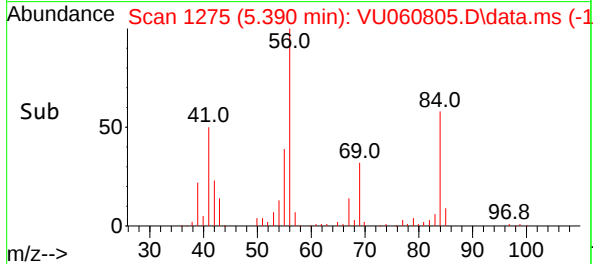
Instrument :
MSVOA_U
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Tgt Ion: 56 Resp: 204008
Ion Ratio Lower Upper
56 100
69 30.3 25.4 38.0
84 87.6 71.0 106.6

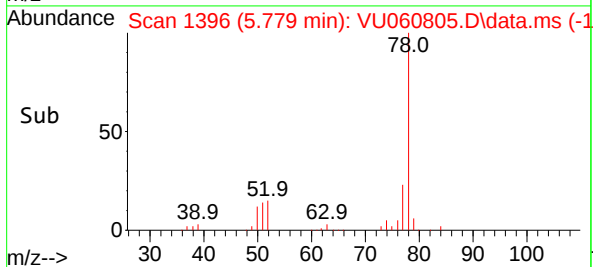
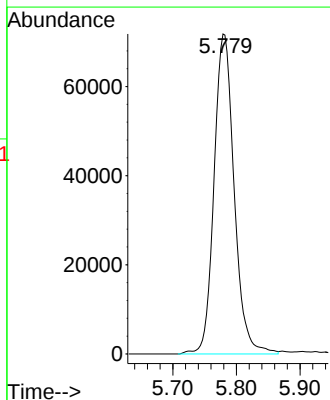
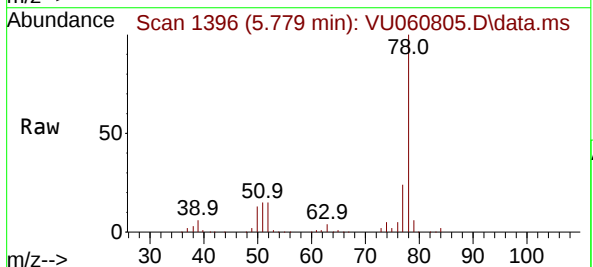
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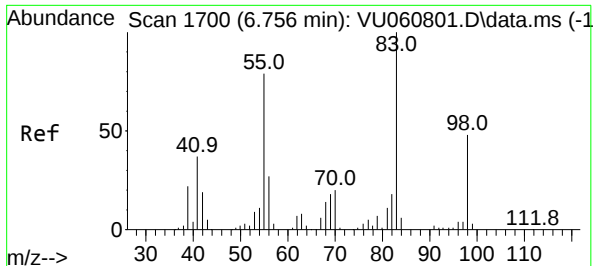
Reviewed By :Mahesh Dadoda 09/18/2024
Supervised By :Semsettin Yesilyurt 09/18/2024



#33
Benzene
Concen: 3.004 ug/L
RT: 5.779 min Scan# 1396
Delta R.T. 0.013 min
Lab File: VU060805.D
Acq: 17 Sep 2024 02:18

Tgt Ion: 78 Resp: 157881





#35

Methylcyclohexane

Concen: 8.868 ug/L

RT: 6.766 min Scan# 1700

Delta R.T. 0.010 min

Lab File: VU060805.D

Acq: 17 Sep 2024 02:18

Instrument :

MSVOA_U

ClientSampleId :

C0AR3

Tgt Ion: 83 Resp: 16764

Ion Ratio Lower Upper

83 100

55 88.8 62.6 94.0

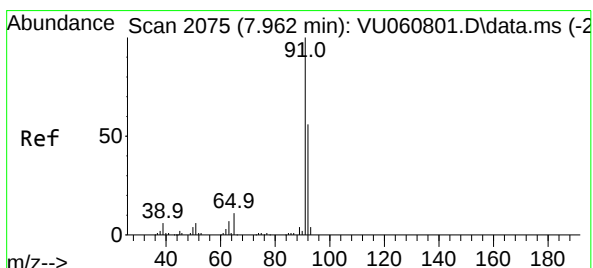
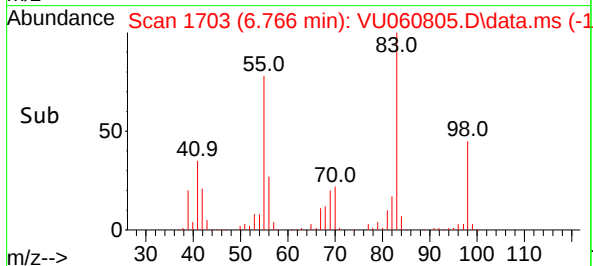
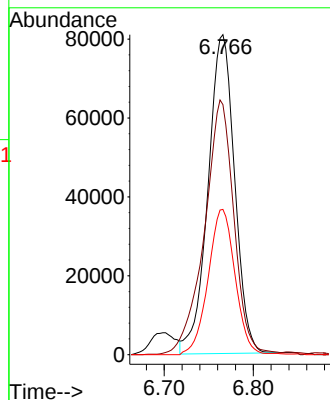
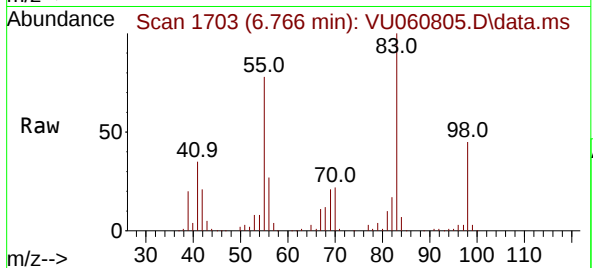
98 46.2 37.6 56.4

Manual Integrations

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#42

Toluene

Concen: 1836.070 ug/L m

RT: 8.013 min Scan# 2091

Delta R.T. 0.051 min

Lab File: VU060805.D

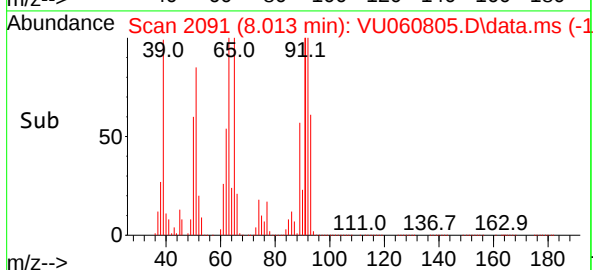
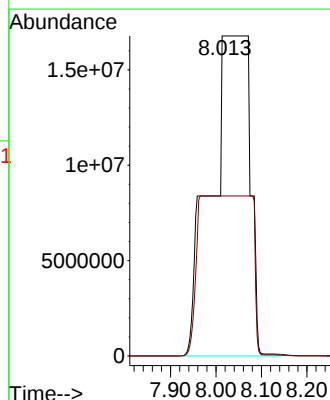
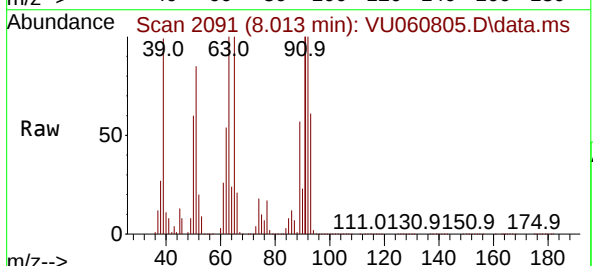
Acq: 17 Sep 2024 02:18

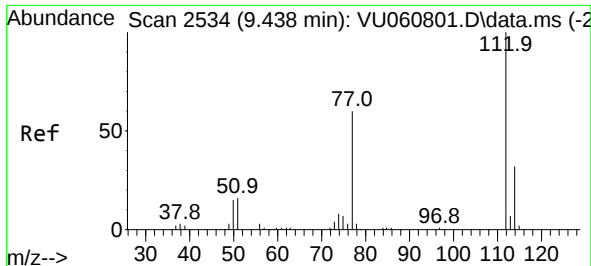
Tgt Ion: 91 Resp:100909191

Ion Ratio Lower Upper

91 100

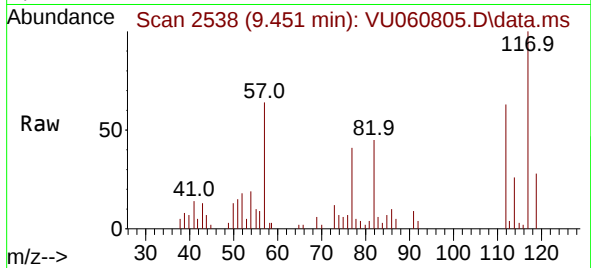
92 100.0 40.5 75.3





#51
Chlorobenzene
Concen: 0.167 ug/L
RT: 9.451 min Scan# 2538
Delta R.T. 0.013 min
Lab File: VU060805.D
Acq: 17 Sep 2024 02:18

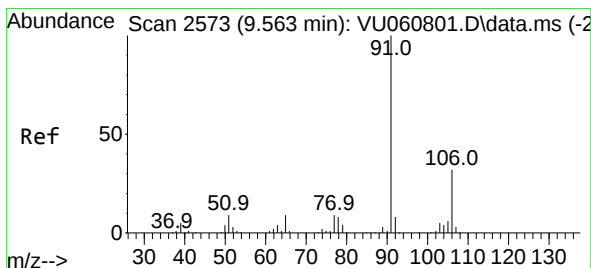
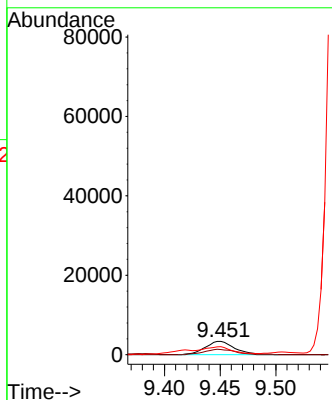
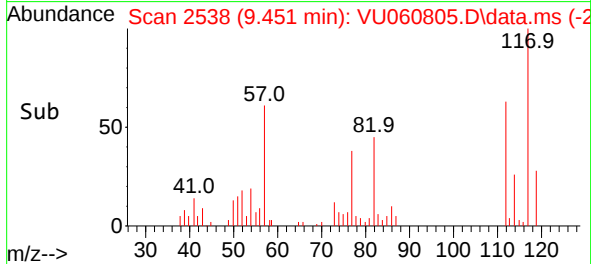
Instrument :
MSVOA_U
ClientSampleId :
C0AR3



Tgt Ion:112 Resp: 616
Ion Ratio Lower Upper
112 100
114 39.1 22.2 41.2
77 68.1 46.1 69.1

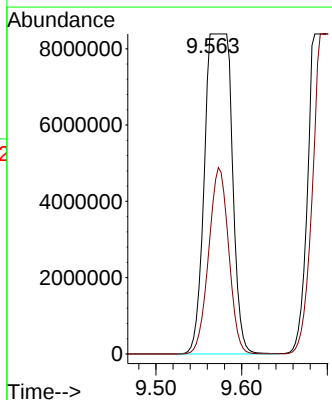
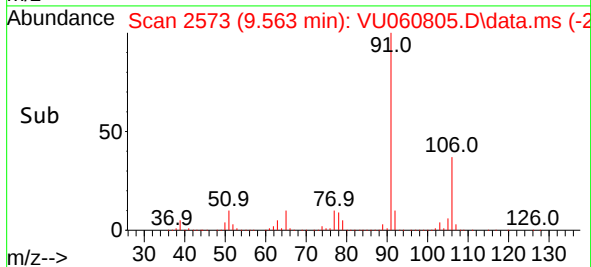
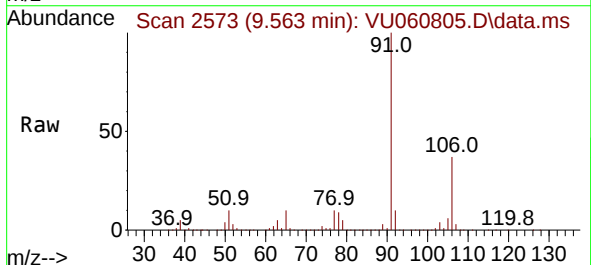
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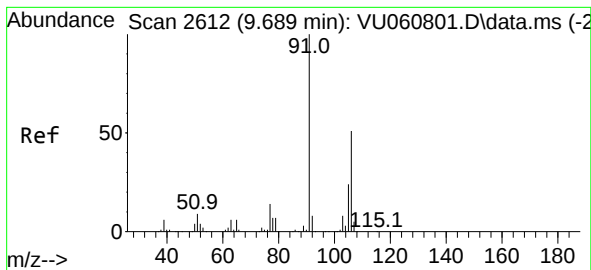
Reviewed By :Mahesh Dadoda 09/18/2024
Supervised By :Semsettin Yesilyurt 09/18/2024



#52
Ethylbenzene
Concen: 323.072 ug/L m
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU060805.D
Acq: 17 Sep 2024 02:18

Tgt Ion: 91 Resp:18692116
Ion Ratio Lower Upper
91 100
106 37.0 21.8 40.6





#53

m,p-Xylene

Concen: 1023.516 ug/L m

RT: 9.692 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU060805.D

Acq: 17 Sep 2024 02:18

Instrument :

MSVOA_U

ClientSampleId :

C0AR3

Tgt Ion:106 Resp:2245342

Ion Ratio Lower Upper

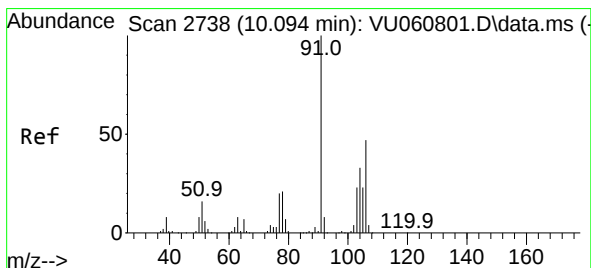
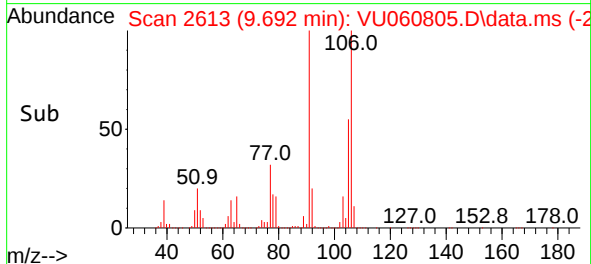
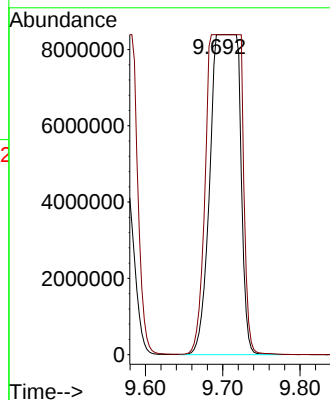
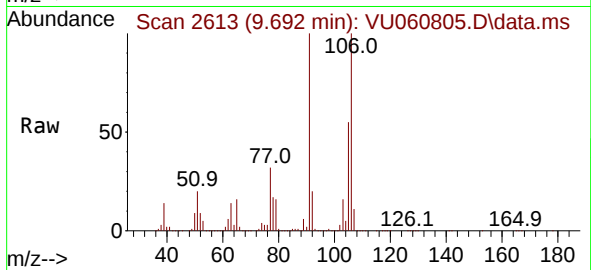
106 100

91 100.0 139.7 259.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/18/2024
Supervised By :Semsettin Yesilyurt 09/18/2024



#54

o-Xylene

Concen: 698.477 ug/L

RT: 10.103 min Scan# 2741

Delta R.T. 0.010 min

Lab File: VU060805.D

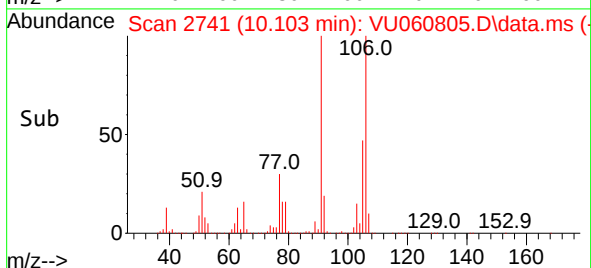
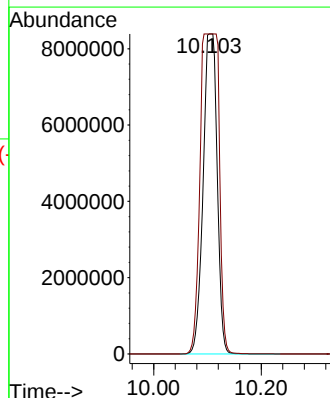
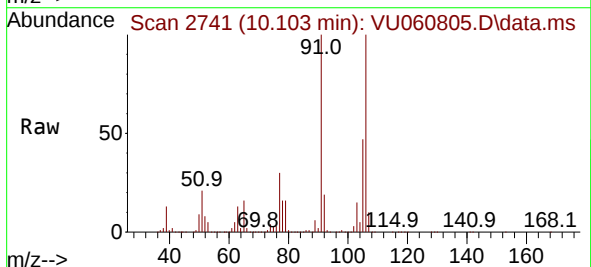
Acq: 17 Sep 2024 02:18

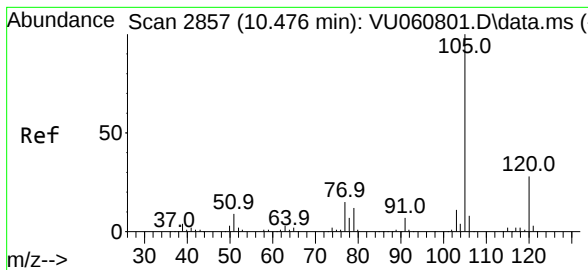
Tgt Ion:106 Resp:15121204

Ion Ratio Lower Upper

106 100

91 100.0 148.6 276.0





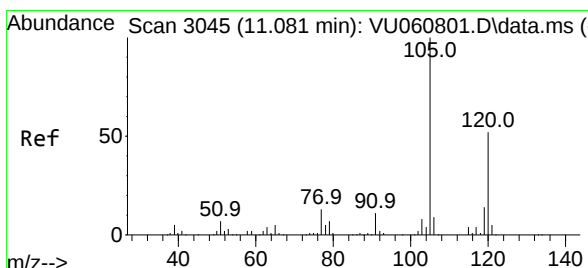
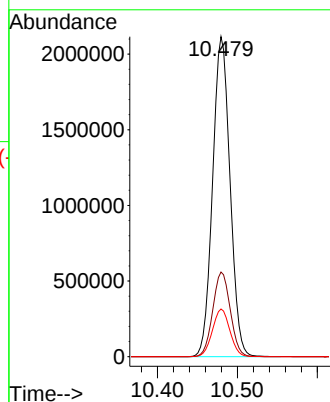
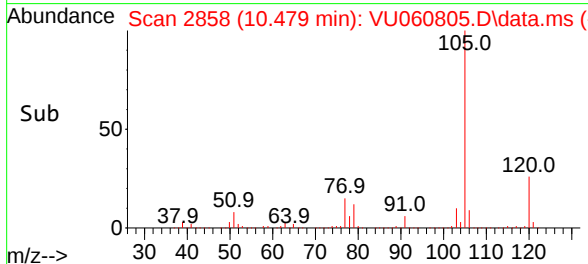
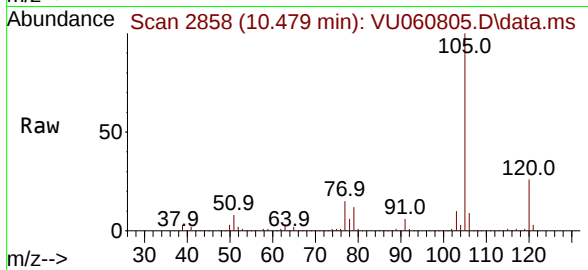
#60
Isopropylbenzene
Concen: 48.122 ug/L
RT: 10.479 min Scan# 2857
Delta R.T. 0.003 min
Lab File: VU060805.D
Acq: 17 Sep 2024 02:18

Instrument :
MSVOA_U
ClientSampleId :
C0AR3

Tgt Ion:105 Resp: 3196729
Ion Ratio Lower Upper
105 100
120 26.6 21.5 32.3
77 15.0 12.6 18.8

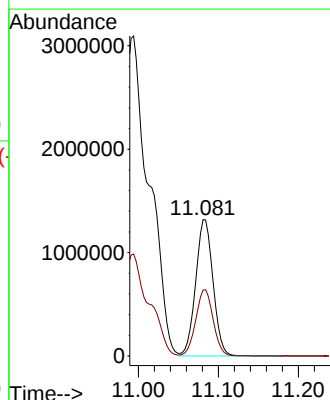
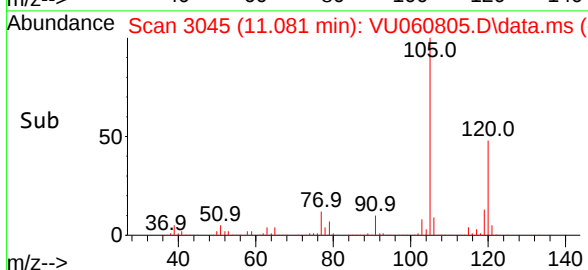
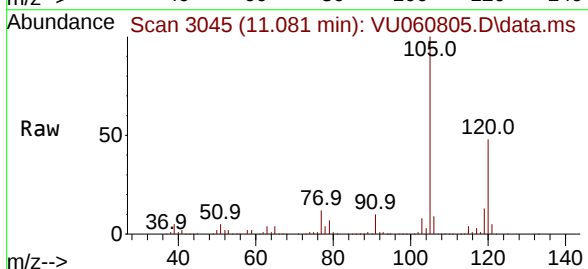
Manual Integrations
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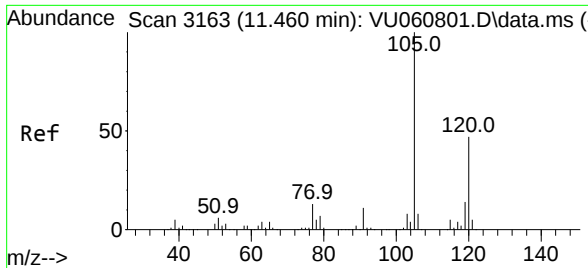
Reviewed By :Mahesh Dadoda 09/18/2024
Supervised By :Semsettin Yesilyurt 09/18/2024



#62
1,3,5-Trimethylbenzene
Concen: 38.481 ug/L
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU060805.D
Acq: 17 Sep 2024 02:18

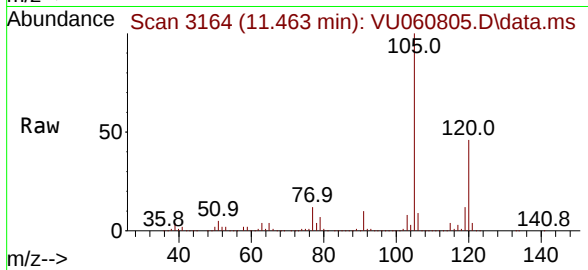
Tgt Ion:105 Resp: 1986720
Ion Ratio Lower Upper
105 100
120 48.9 38.5 57.7





#63
1,2,4-Trimethylbenzene
Concen: 187.883 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VU060805.D
Acq: 17 Sep 2024 02:18

Instrument :
MSVOA_U
ClientSampleId :
C0AR3



Tgt Ion:105 Resp: 9584410
Ion Ratio Lower Upper
105 100
120 45.8 36.1 54.1

Manual Integrations
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Reviewed By :Mahesh Dadoda 09/18/2024
Supervised By :Semsettin Yesilyurt 09/18/2024

