

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071824\
 Data File : VU060017.D
 Acq On : 18 Jul 2024 15:12
 Operator : MD/SY
 Sample : P3298-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BHAY1

Quant Time: Jul 19 01:33:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR071824WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 19 01:30:22 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024
 Supervised By :Semsettin Yesilyurt 07/24/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	143646	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	152884	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	70020	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	54653	5.468	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	109.400%	
7) Chloroethane-d5	1.911	69	48196	5.191	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	103.800%	
11) 1,1-Dichloroethene-d2	2.560	65	20399	5.228	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	104.600%	
20) 2-Butanone-d5	4.624	46	126197	54.008	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	108.020%	
24) Chloroform-d	5.055	84	107886	5.136	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	102.800%	
26) 1,2-Dichloroethane-d4	5.695	65	51057	5.220	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	104.400%	
32) Benzene-d6	5.721	84	214147	5.228	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	104.600%	
36) 1,2-Dichloropropane-d6	6.685	67	68642	5.259	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	105.200%	
41) Toluene-d8	7.894	98	183915	4.969	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	99.400%	
43) trans-1,3-Dichloroprop...	8.177	79	23974	5.396	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	108.000%	
46) 2-Hexanone-d5	8.627	63	108012	54.783	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	109.560%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	57845	4.979	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	99.600%	
66) 1,2-Dichlorobenzene-d4	12.190	152	72147	5.708	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	114.200%	
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	241349	16.409	ug/L	100
12) 1,1-Dichloroethene	2.573	96	12189	1.112	ug/L #	1
13) Acetone	2.641	43	10889	7.045	ug/L	98
16) Methylene chloride	3.042	84	7009	0.521	ug/L	93
18) trans-1,2-Dichloroethene	3.348	96	77212	6.770	ug/L	95
19) 1,1-Dichloroethane	3.866	63	16271	0.751	ug/L	95
22) cis-1,2-Dichloroethene	4.657	96	5358791	419.497	ug/L	98
25) Chloroform	5.081	83	89687	3.766	ug/L	100
33) Benzene	5.772	78	9264	0.183	ug/L	100
34) Trichloroethene	6.534	95	1875693	140.031	ug/L	96
42) Toluene	7.965	91	334285	6.220	ug/L	98
47) Tetrachloroethene	8.553	164	24061726m	2172.552	ug/L	
52) Ethylbenzene	9.566	91	15708	0.293	ug/L	95
53) m,p-Xylene	9.688	106	31207	1.507	ug/L	97
54) o-Xylene	10.097	106	14237	0.719	ug/L	96
62) 1,3,5-Trimethylbenzene	11.087	105	3741	0.107	ug/L	93
63) 1,2,4-Trimethylbenzene	11.467	105	5062	0.150	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

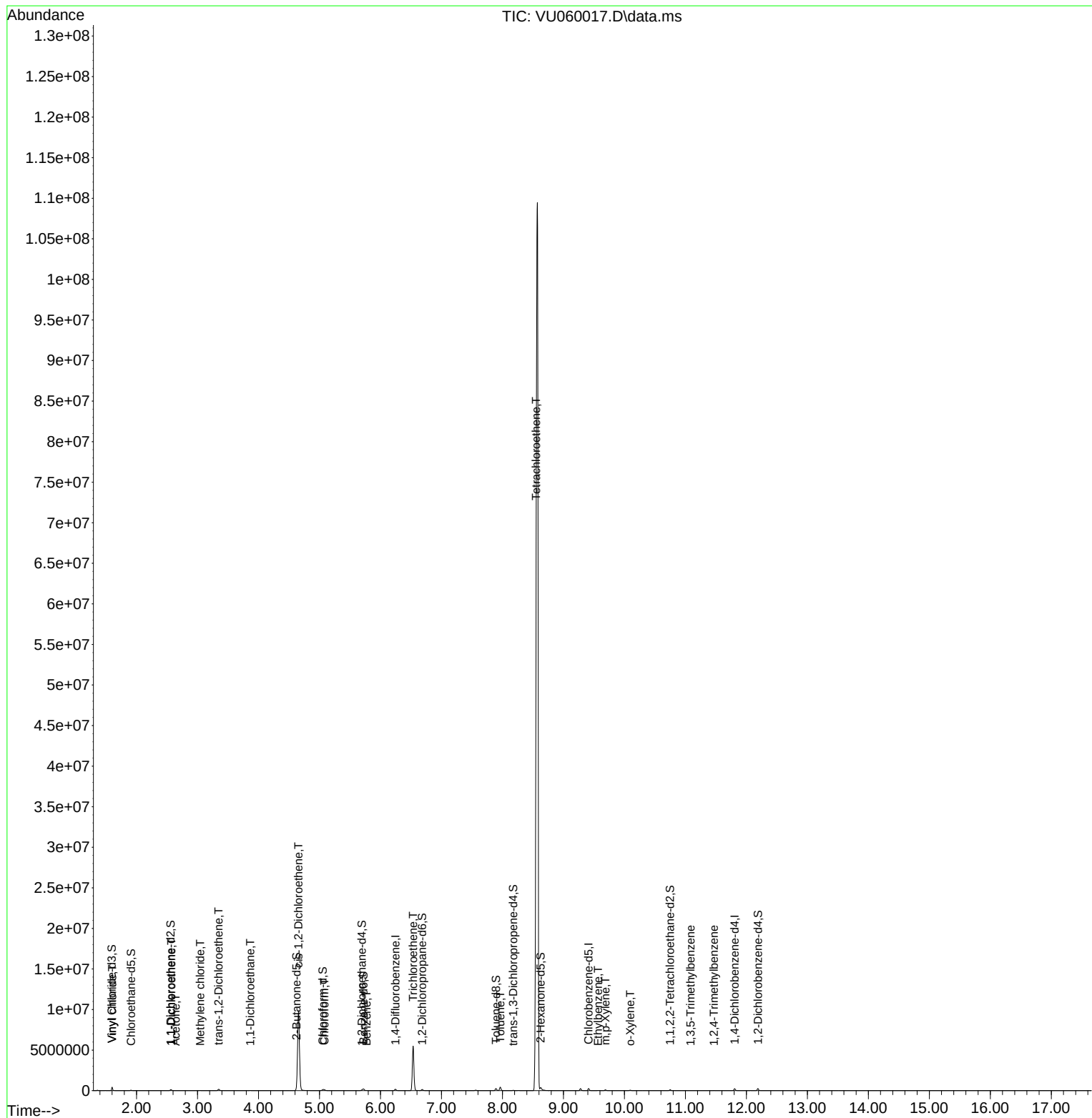
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Data File : VU060017.D
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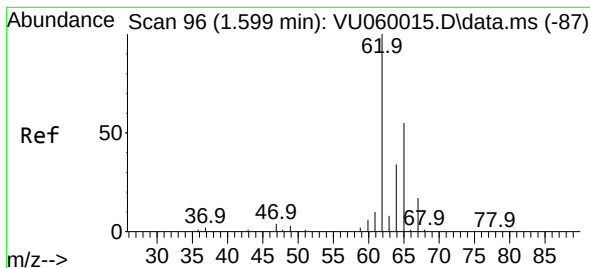
Instrument :
MSVOA_U
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Quant Time: Jul 19 01:33:54 2024
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#5

Vinyl chloride

Concen: 16.409 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

BHAY1

Tgt Ion: 62 Resp: 241349

Ion Ratio Lower Upper

62 100

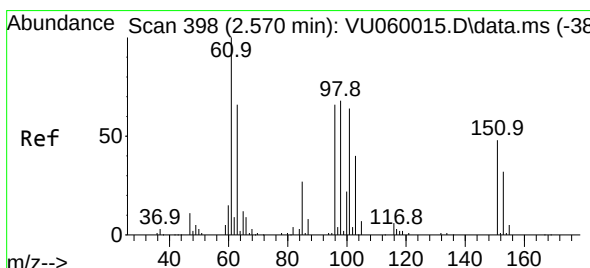
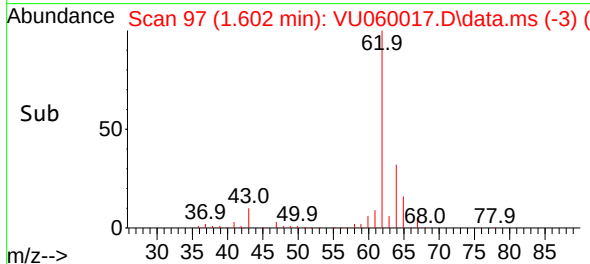
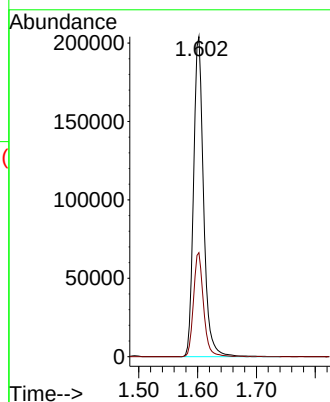
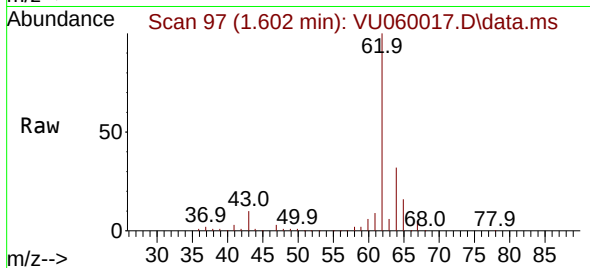
64 32.5 22.8 42.4

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 1.112 ug/L

RT: 2.573 min Scan# 399

Delta R.T. 0.003 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

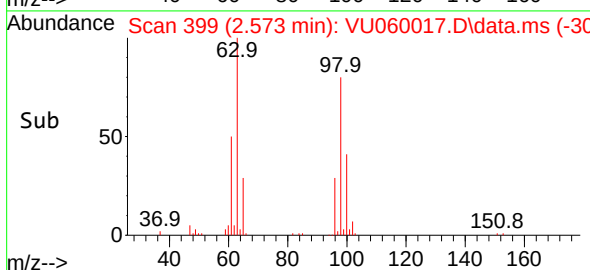
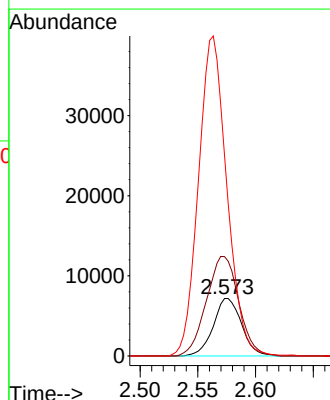
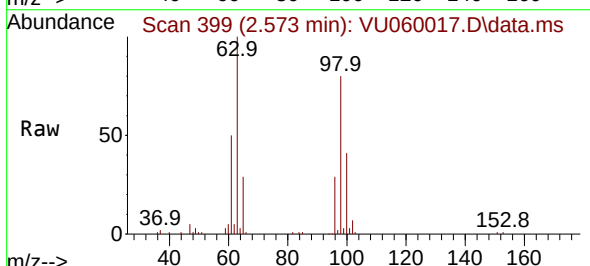
Tgt Ion: 96 Resp: 12189

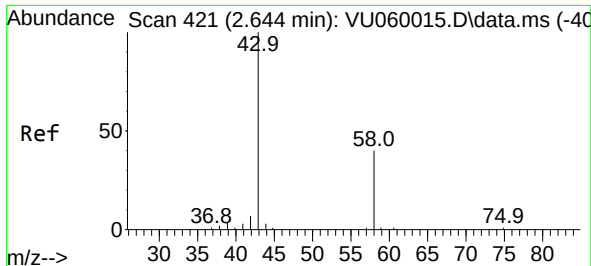
Ion Ratio Lower Upper

96 100

61 172.9 107.0 198.6

63 349.1 76.4 142.0#





#13

Acetone

Concen: 7.045 ug/L

RT: 2.641 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

BHAY1

Tgt Ion: 43 Resp: 1088

Ion Ratio Lower Upper

43 100

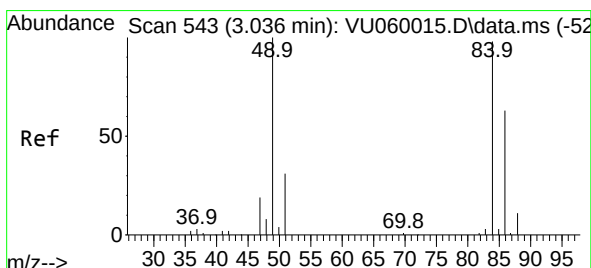
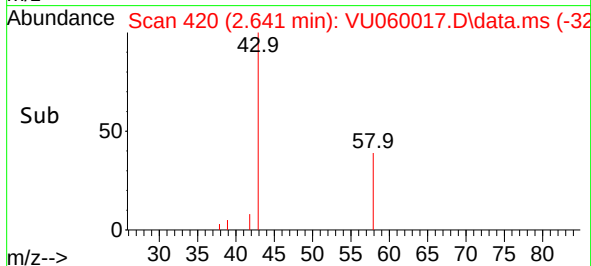
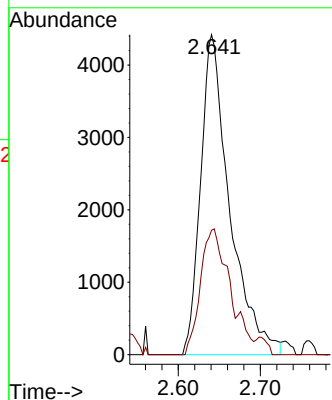
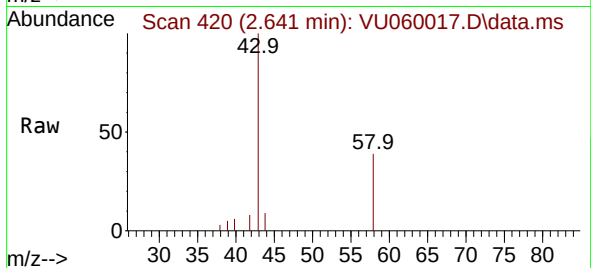
58 40.1 0.0 82.2

Manual Integrations

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#16

Methylene chloride

Concen: 0.521 ug/L

RT: 3.042 min Scan# 545

Delta R.T. 0.006 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

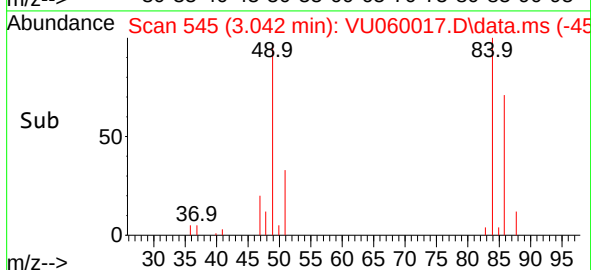
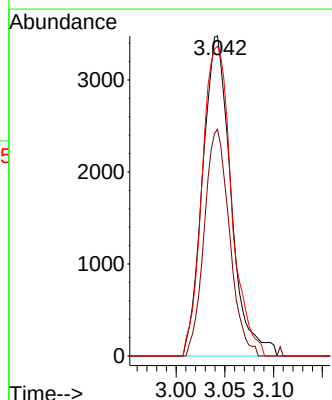
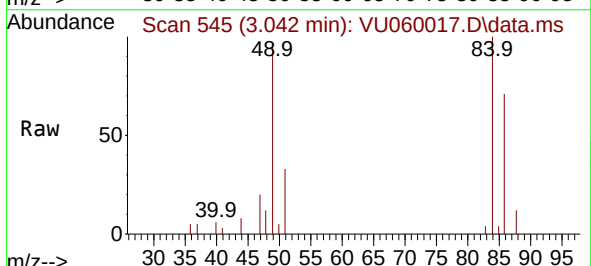
Tgt Ion: 84 Resp: 7009

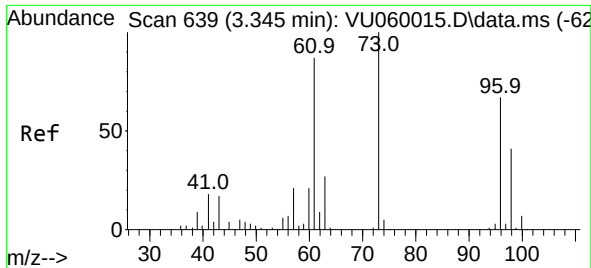
Ion Ratio Lower Upper

84 100

86 70.8 44.4 82.5

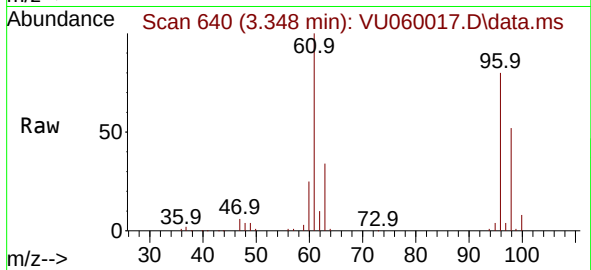
49 96.8 72.0 133.6





#18
trans-1,2-Dichloroethene
Concen: 6.770 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU060017.D
Acq: 18 Jul 2024 15:12

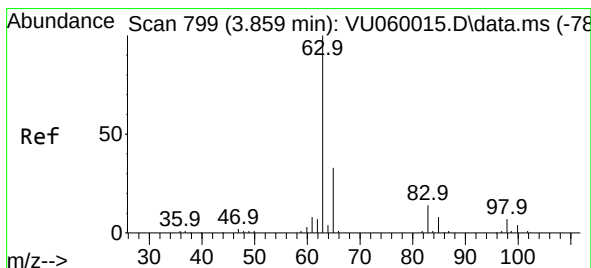
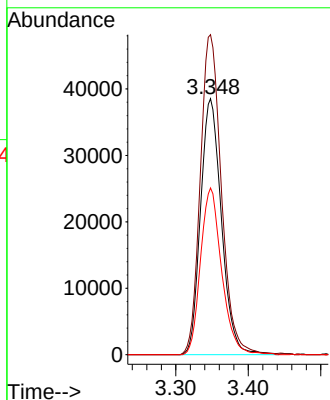
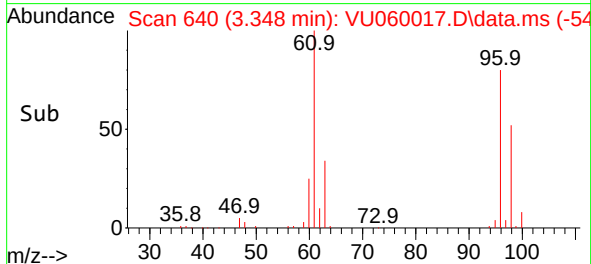
Instrument :
MSVOA_U
ClientSampleId :
BHAY1



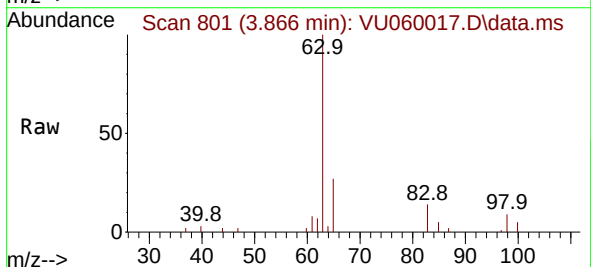
Tgt Ion: 96 Resp: 7721
Ion Ratio Lower Upper
96 100
61 125.0 91.6 170.0
98 65.1 47.7 88.5

Manual Integrations
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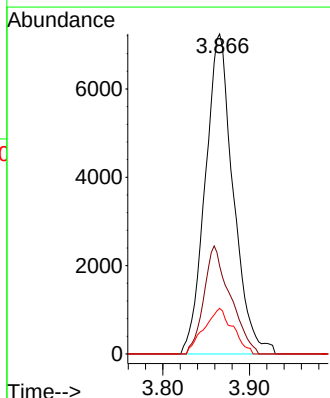
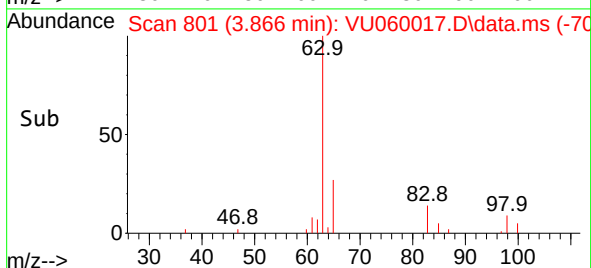
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

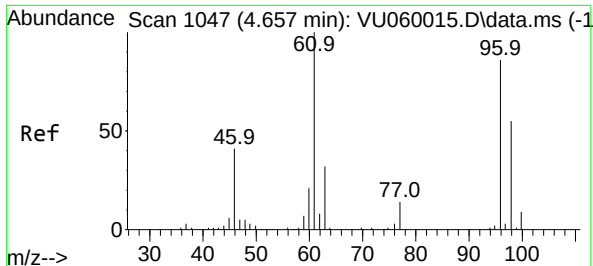


#19
1,1-Dichloroethane
Concen: 0.751 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.006 min
Lab File: VU060017.D
Acq: 18 Jul 2024 15:12



Tgt Ion: 63 Resp: 16271
Ion Ratio Lower Upper
63 100
65 27.5 22.0 40.8
83 14.3 9.7 17.9





#22

cis-1,2-Dichloroethene

Concen: 419.497 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. -0.000 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Instrument :

MSVOA_U

ClientSampleId :

BHAY1

Tgt Ion: 96 Resp: 535879

Ion Ratio Lower Upper

96 100

61 118.0 80.2 148.9

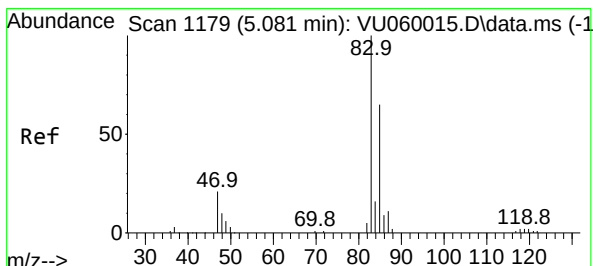
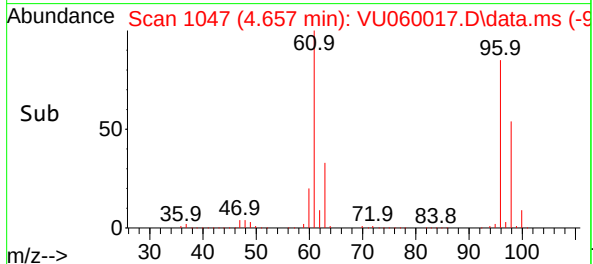
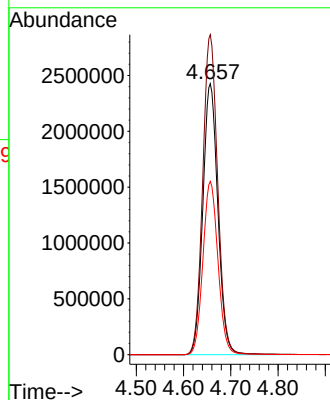
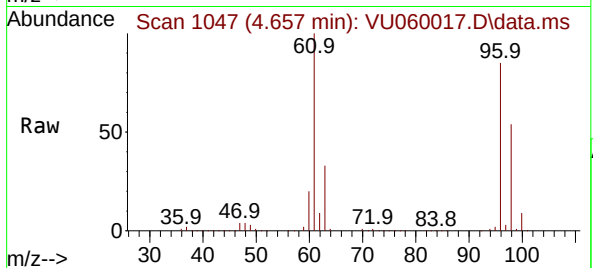
98 63.9 44.7 83.1

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#25

Chloroform

Concen: 3.766 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU060017.D

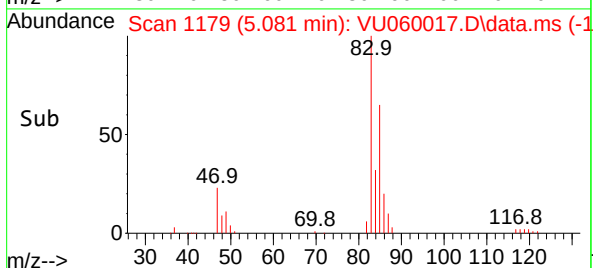
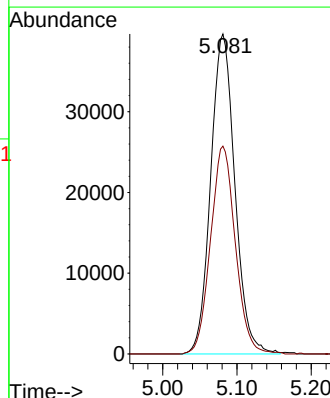
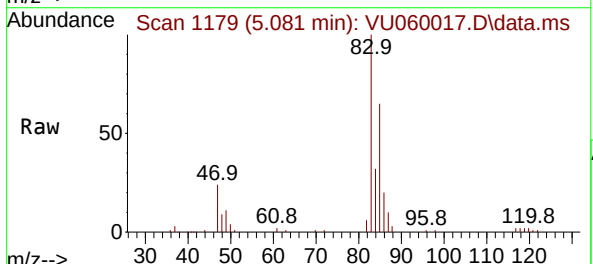
Acq: 18 Jul 2024 15:12

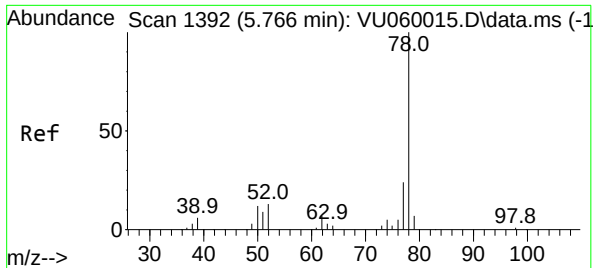
Tgt Ion: 83 Resp: 89687

Ion Ratio Lower Upper

83 100

85 65.0 45.4 84.2





#33

Benzene

Concen: 0.183 ug/L

RT: 5.772 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

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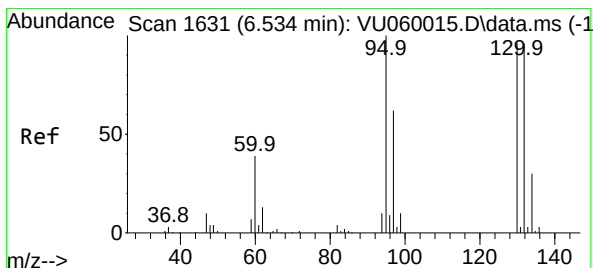
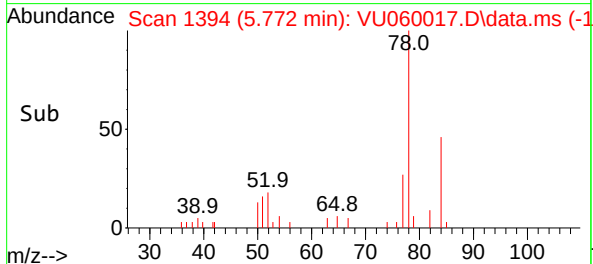
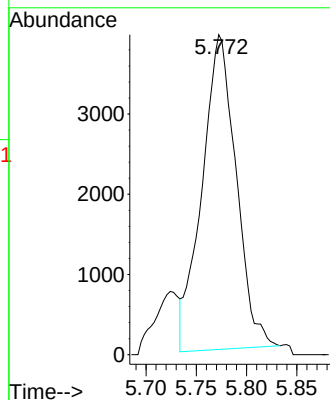
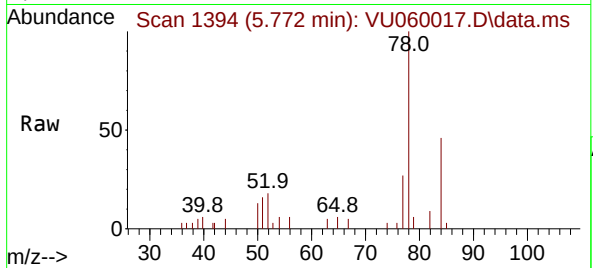
Tgt Ion: 78 Resp: 9264

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/24/2024



#34

Trichloroethene

Concen: 140.031 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. -0.000 min

Lab File: VU060017.D

Acq: 18 Jul 2024 15:12

Tgt Ion: 95 Resp: 1875693

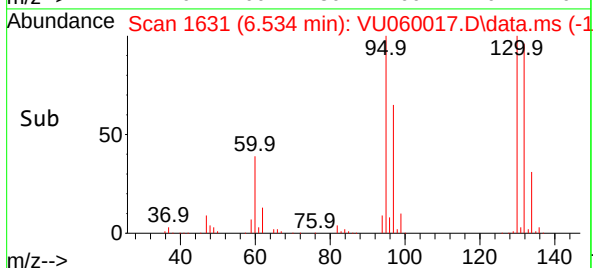
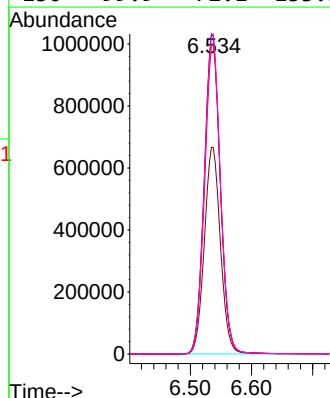
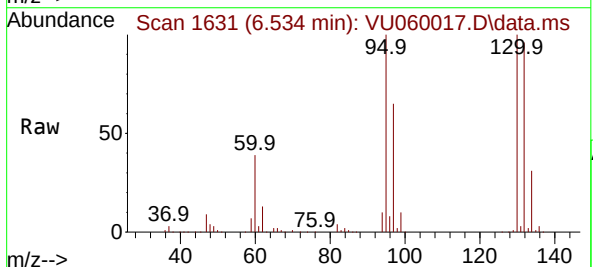
Ion Ratio Lower Upper

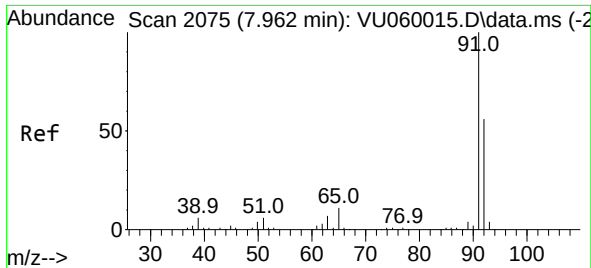
95 100

97 64.6 45.9 85.3

132 96.3 71.4 132.6

130 99.9 72.1 133.9





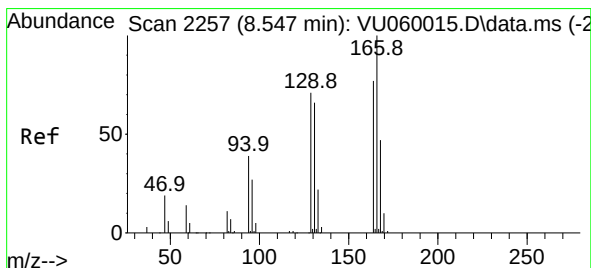
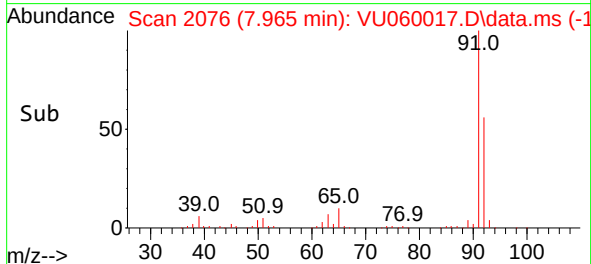
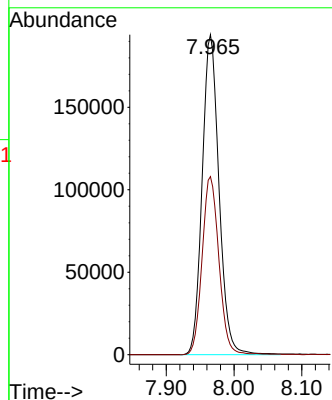
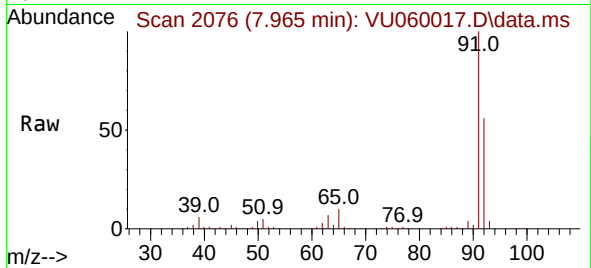
#42
Toluene
Concen: 6.220 ug/L
RT: 7.965 min Scan# 2075
Delta R.T. 0.003 min
Lab File: VU060017.D
Acq: 18 Jul 2024 15:12

Instrument :
MSVOA_U
ClientSampleId :
BHAY1

Tgt Ion: 91 Resp: 334285
Ion Ratio Lower Upper
91 100
92 55.6 39.8 73.8

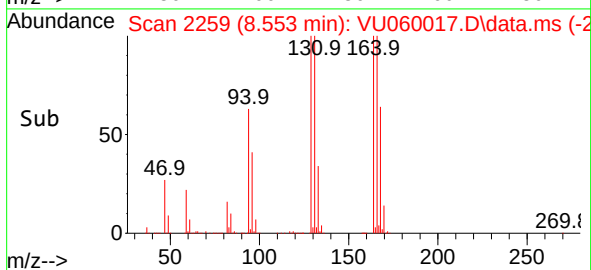
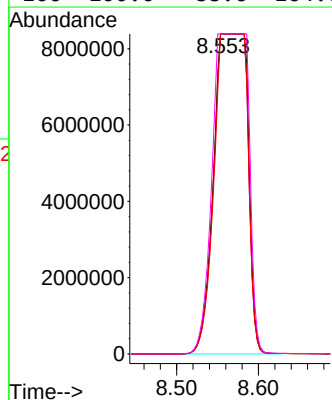
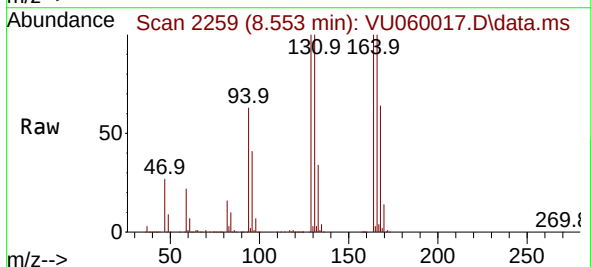
Manual Integrations
APPROVED

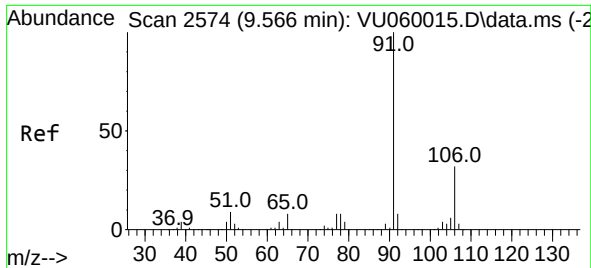
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#47
Tetrachloroethene
Concen: 2172.552 ug/L m
RT: 8.553 min Scan# 2259
Delta R.T. 0.006 min
Lab File: VU060017.D
Acq: 18 Jul 2024 15:12

Tgt Ion:164 Resp:24061726
Ion Ratio Lower Upper
164 100
129 100.0 64.6 120.0
131 100.0 61.2 113.8
166 100.0 88.6 164.6





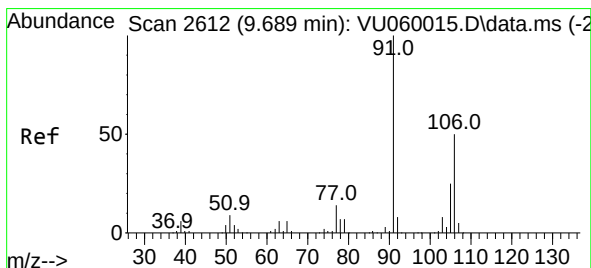
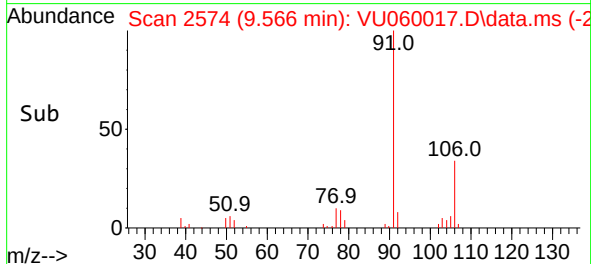
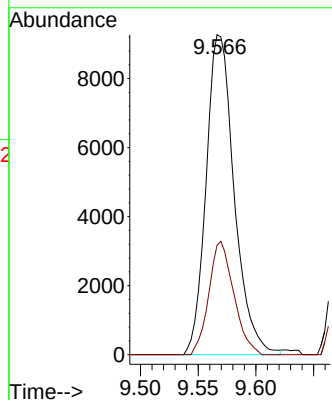
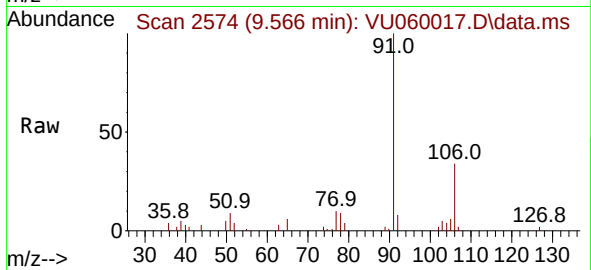
#52
Ethylbenzene
Concen: 0.293 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. -0.000 min
Lab File: VU060017.D
Acq: 18 Jul 2024 15:12

Instrument :
MSVOA_U
ClientSampleId :
BHAY1

Tgt Ion: 91 Resp: 15708
Ion Ratio Lower Upper
91 100
106 34.1 21.9 40.7

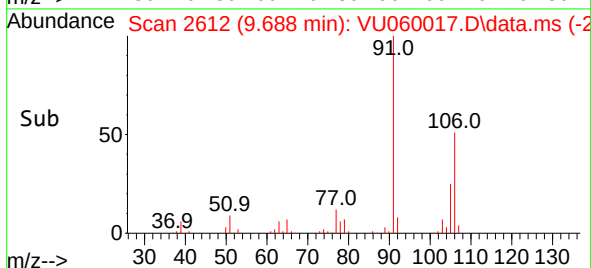
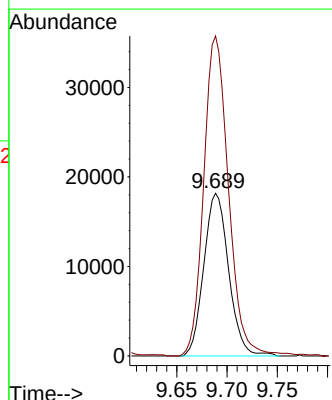
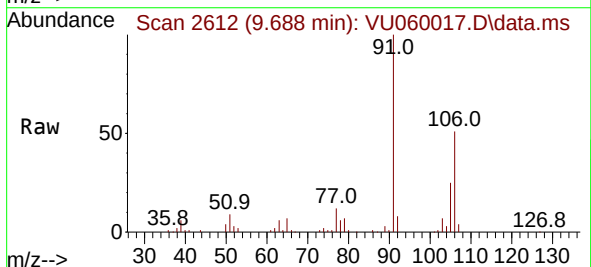
Manual Integrations
APPROVED

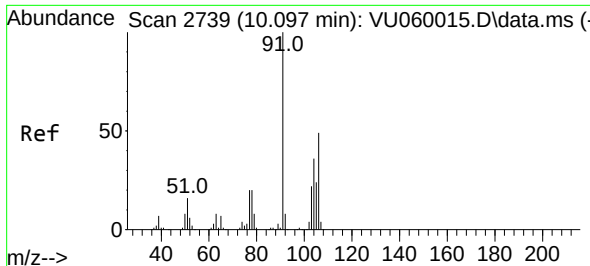
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#53
m,p-Xylene
Concen: 1.507 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU060017.D
Acq: 18 Jul 2024 15:12

Tgt Ion:106 Resp: 31207
Ion Ratio Lower Upper
106 100
91 196.6 141.3 262.5





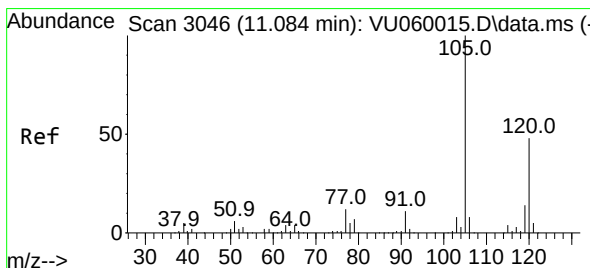
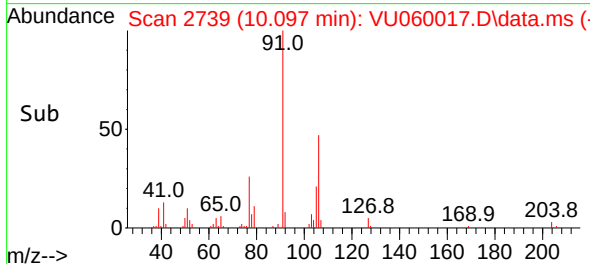
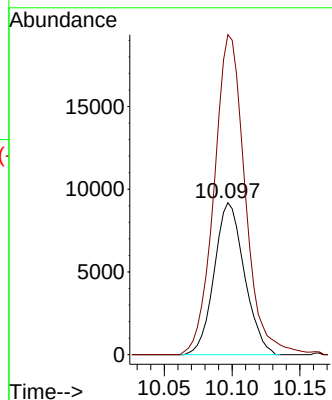
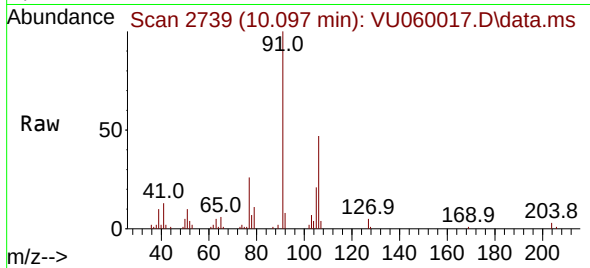
#54
o-Xylene
Concen: 0.719 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU060017.D
Acq: 18 Jul 2024 15:12

Instrument :
MSVOA_U
ClientSampleId :
BHAY1

Tgt Ion:106 Resp: 1423
Ion Ratio Lower Upper
106 100
91 210.6 143.6 266.6

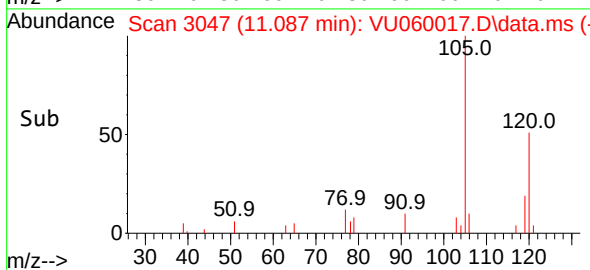
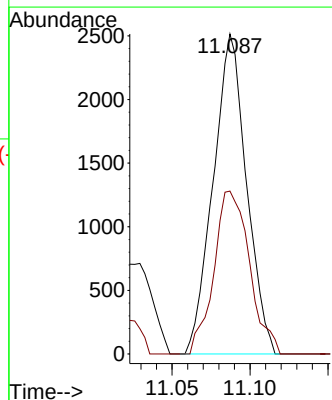
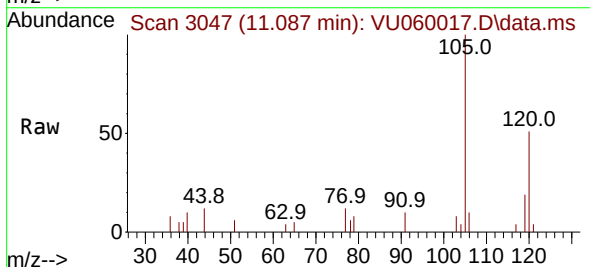
Manual Integrations
APPROVED

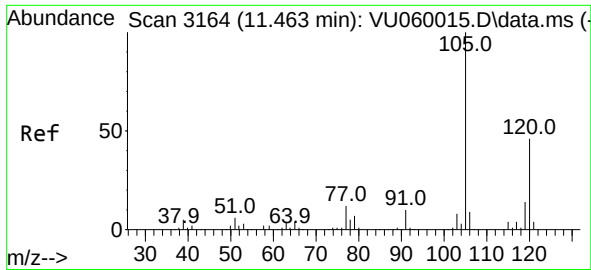
Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024



#62
1,3,5-Trimethylbenzene
Concen: 0.107 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VU060017.D
Acq: 18 Jul 2024 15:12

Tgt Ion:105 Resp: 3741
Ion Ratio Lower Upper
105 100
120 54.4 39.4 59.2





#63
1,2,4-Trimethylbenzene
Concen: 0.150 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU060017.D
Acq: 18 Jul 2024 15:12

Instrument :
MSVOA_U
ClientSampleId :
BHAY1

Tgt Ion:105 Resp: 5062
Ion Ratio Lower Upper
105 100
120 43.9 36.7 55.1

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/24/2024
Supervised By :Semsettin Yesilyurt 07/24/2024

