

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092324\
 Data File : VU060972.D
 Acq On : 23 Sep 2024 13:11
 Operator : MD/SY
 Sample : P4092-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0B17

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024
 Supervised By :Semsettin Yesilyurt 09/25/2024

Quant Time: Sep 24 06:09:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Sep 24 06:06:45 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	142132	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	149039	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	78552	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	55693	4.357	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.200%
7) Chloroethane-d5	1.910	69	43082	4.733	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.600%
11) 1,1-Dichloroethene-d2	2.560	65	19656	4.338	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.800%
20) 2-Butanone-d5	4.637	46	112002	54.575	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.140%
24) Chloroform-d	5.055	84	94227	4.822	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.695	65	42490	4.549	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.000%
32) Benzene-d6	5.721	84	176397	4.416	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
36) 1,2-Dichloropropane-d6	6.688	67	60978	4.934	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.600%
41) Toluene-d8	7.891	98	159805	4.388	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.800%
43) trans-1,3-Dichloroprop...	8.174	79	21854	4.912	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.200%
46) 2-Hexanone-d5	8.627	63	99105	56.472	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	112.940%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	46652	4.818	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.400%
66) 1,2-Dichlorobenzene-d4	12.183	152	63695	4.826	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	305612	24.915	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	125417	12.810	ug/L	99
12) 1,1-Dichloroethene	2.576	96	265168	29.659	ug/L #	70
16) Methylene chloride	3.039	84	600456	57.995	ug/L	97
17) Methyl tert-butyl Ether	3.354	73	13985	0.692	ug/L	97
18) trans-1,2-Dichloroethene	3.351	96	10616	1.146	ug/L	95
19) 1,1-Dichloroethane	3.859	63	57812	3.108	ug/L	98
22) cis-1,2-Dichloroethene	4.653	96	5590334	545.231	ug/L	98
25) Chloroform	5.078	83	138867	7.160	ug/L	95
29) 1,1,1-Trichloroethane	5.309	97	27809	1.728	ug/L	98
31) Carbon tetrachloride	5.518	117	6978	0.490	ug/L	92
33) Benzene	5.769	78	20824	0.508	ug/L	100
34) Trichloroethene	6.534	95	31482740m	2930.554	ug/L	
42) Toluene	7.965	91	47852	1.117	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	8963	1.099	ug/L	97
47) Tetrachloroethene	8.547	164	1371323	160.627	ug/L	99
51) Chlorobenzene	9.441	112	7327	0.255	ug/L	90
52) Ethylbenzene	9.563	91	48502	1.075	ug/L	94
53) m,p-Xylene	9.685	106	35369	2.068	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.093	106	496161	29.396	ug/L	96
60) Isopropylbenzene	10.476	105	71597	1.538	ug/L #	67
62) 1,3,5-Trimethylbenzene	11.081	105	16576m	0.458	ug/L	
63) 1,2,4-Trimethylbenzene	11.460	105	49782m	1.393	ug/L	
65) 1,4-Dichlorobenzene	11.830	146	17947	0.742	ug/L	97
67) 1,2-Dichlorobenzene	12.203	146	196823	8.893	ug/L	99

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

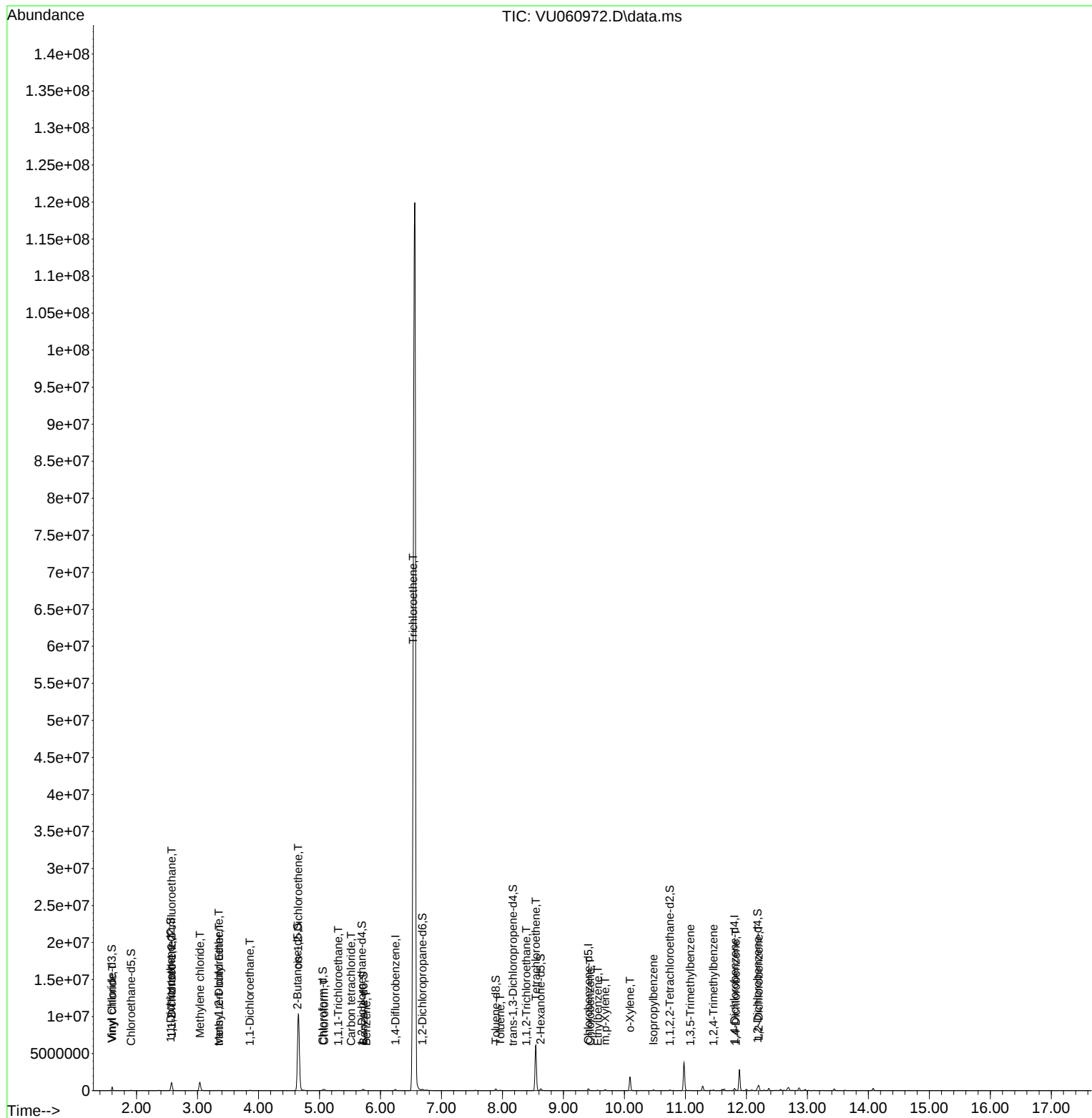
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092324\
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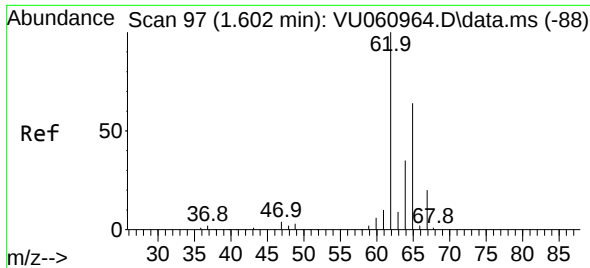
Instrument :
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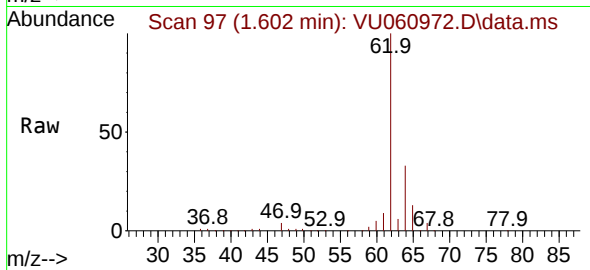
Quant Time: Sep 24 06:09:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091624WMA.M
Quant Title : TRACE VOA SFAM1.0
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#5
 Vinyl chloride
 Concen: 24.915 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU060972.D
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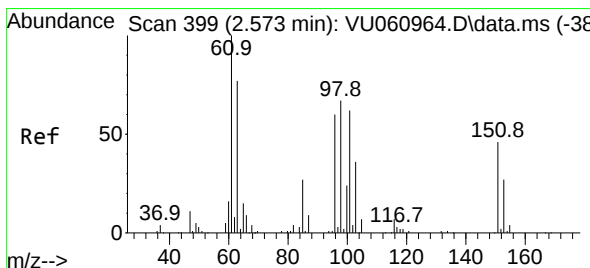
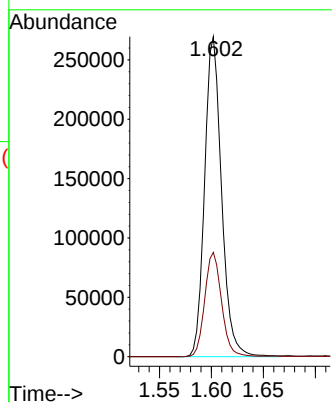
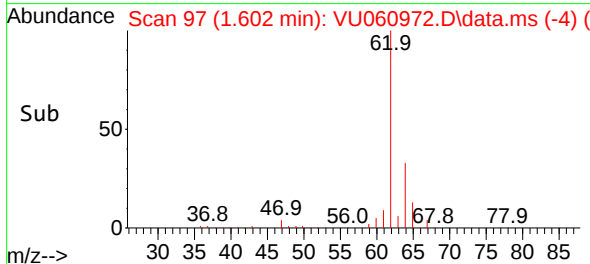
Instrument :
 MSVOA_U
 ClientSampleId :
 C0B17



Tgt Ion: 62 Resp: 305612
 Ion Ratio Lower Upper
 62 100
 64 32.6 24.0 44.6

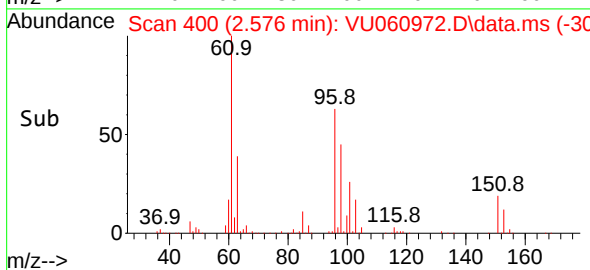
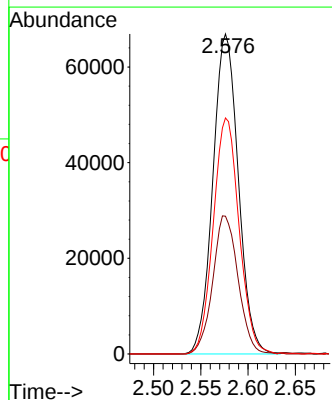
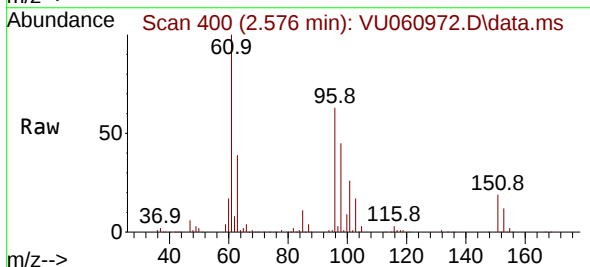
Manual Integrations
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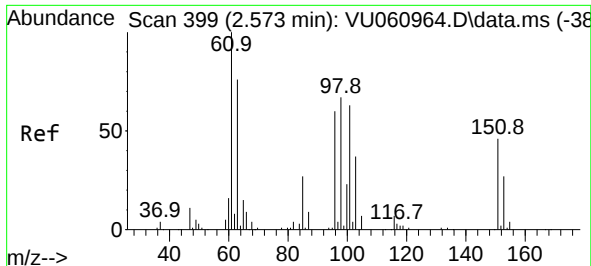
Reviewed By :Mahesh Dadoda 09/25/2024
 Supervised By :Semsettin Yesilyurt 09/25/2024



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 12.810 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU060972.D
 Acq: 23 Sep 2024 13:11

Tgt Ion:101 Resp: 125417
 Ion Ratio Lower Upper
 101 100
 85 42.9 34.2 51.4
 151 74.8 58.6 88.0





#12

1,1-Dichloroethene

Concen: 29.659 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU060972.D

Acq: 23 Sep 2024 13:11

Instrument :

MSVOA_U

ClientSampleId :

C0B17

Tgt Ion: 96 Resp: 265168

Ion Ratio Lower Upper

96 100

61 158.9 120.7 224.1

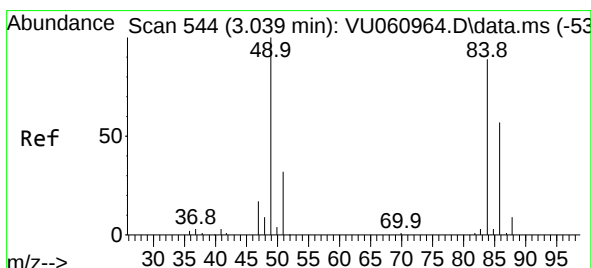
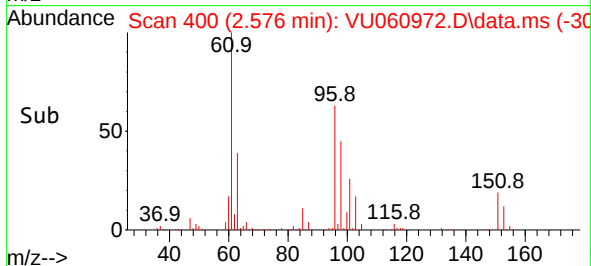
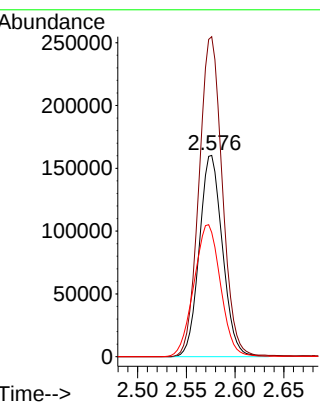
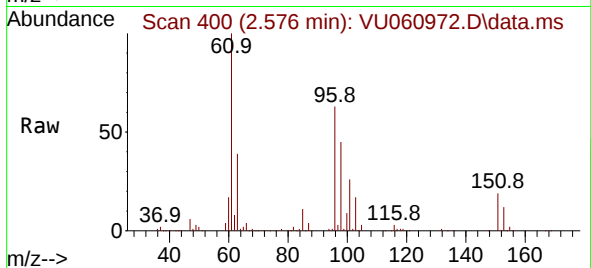
63 61.6 90.0 167.2

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#16

Methylene chloride

Concen: 57.995 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

Lab File: VU060972.D

Acq: 23 Sep 2024 13:11

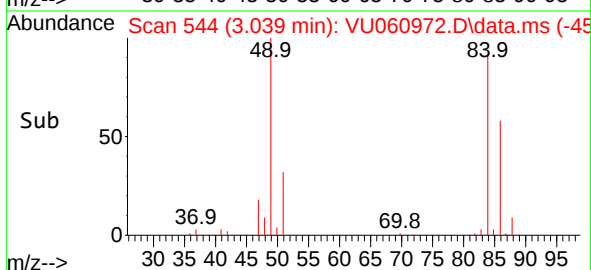
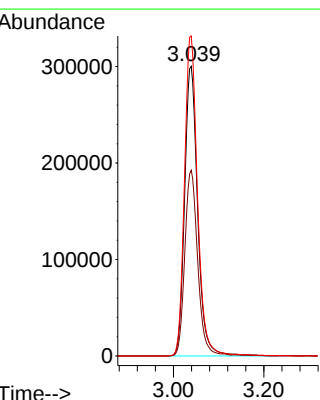
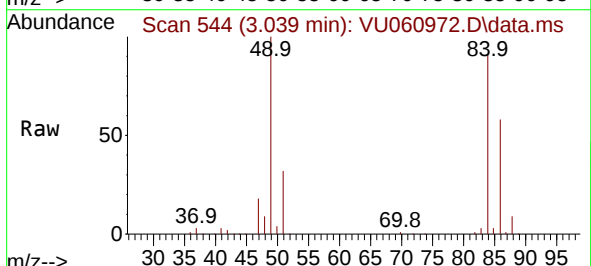
Tgt Ion: 84 Resp: 600456

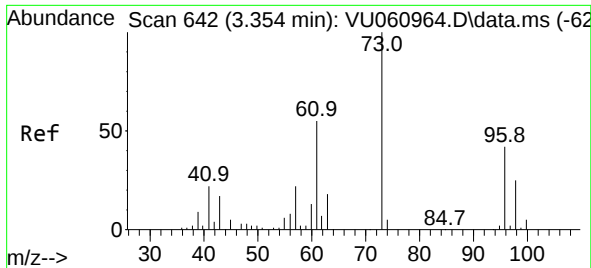
Ion Ratio Lower Upper

84 100

86 64.1 47.3 87.8

49 110.5 78.7 146.1





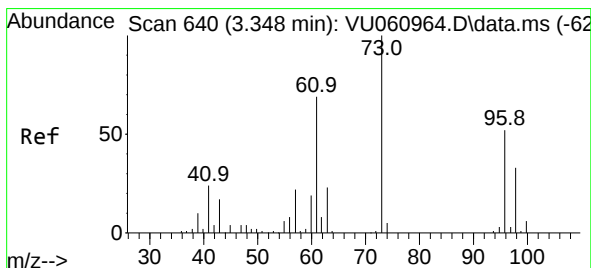
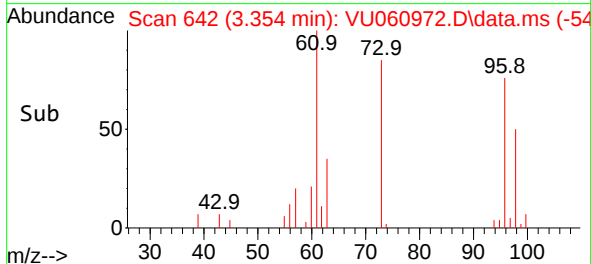
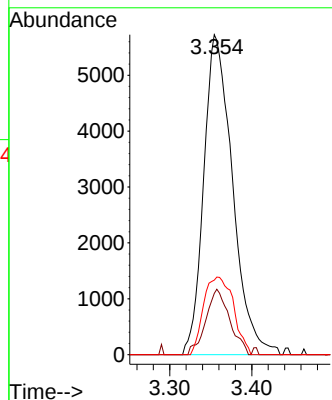
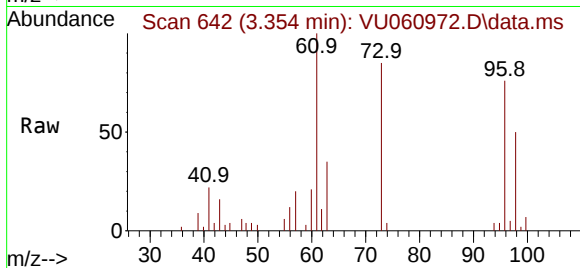
#17
Methyl tert-butyl Ether
Concen: 0.692 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11

Instrument :
MSVOA_U
ClientSampleId :
C0B17

Tgt Ion: 73 Resp: 1398
Ion Ratio Lower Upper
73 100
43 16.9 13.8 20.8
57 25.2 18.0 27.0

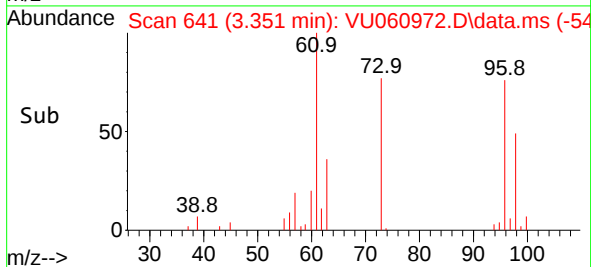
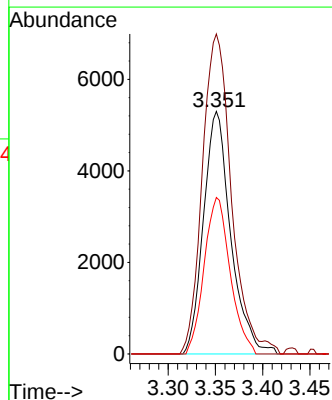
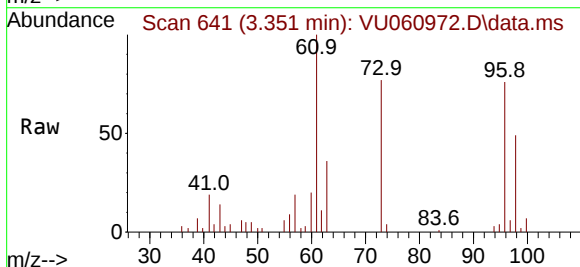
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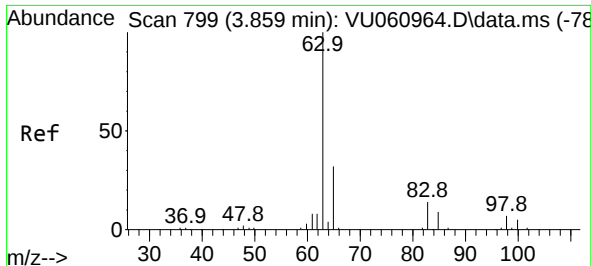
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#18
trans-1,2-Dichloroethene
Concen: 1.146 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11

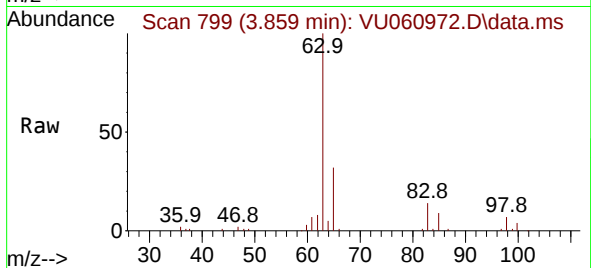
Tgt Ion: 96 Resp: 10616
Ion Ratio Lower Upper
96 100
61 132.0 97.2 180.6
98 64.5 43.3 80.5





#19
1,1-Dichloroethane
Concen: 3.108 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11

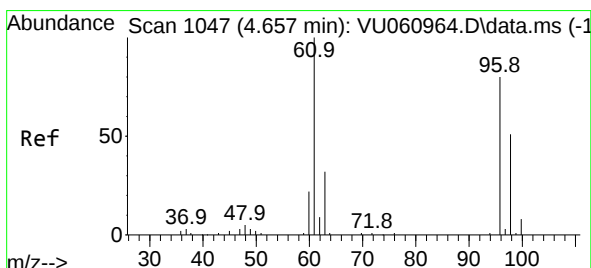
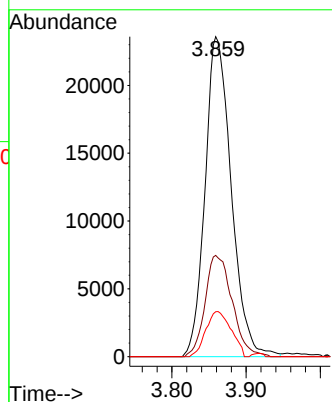
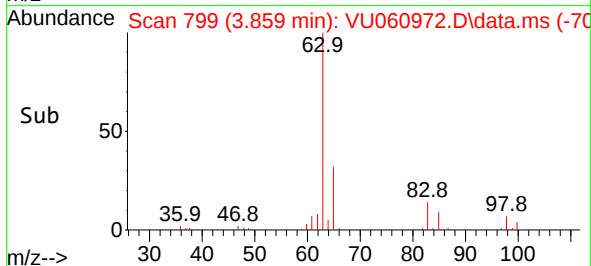
Instrument :
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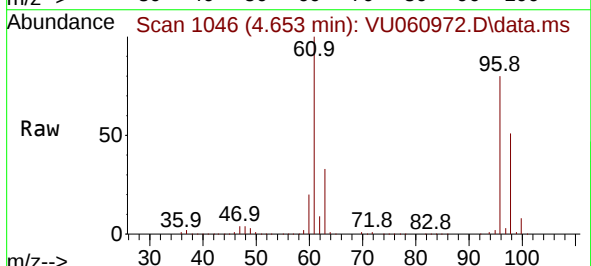
Tgt Ion: 63 Resp: 57812
Ion Ratio Lower Upper
63 100
65 31.6 23.0 42.8
83 14.0 9.0 16.6

Manual Integrations
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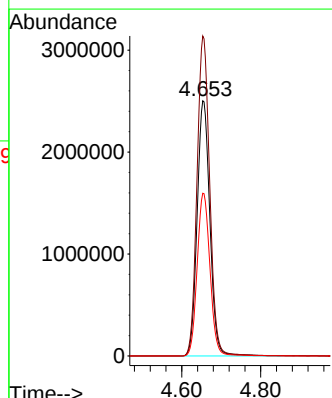
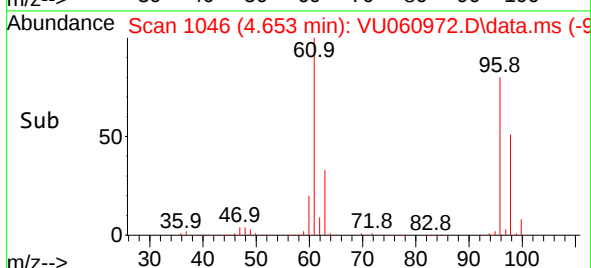
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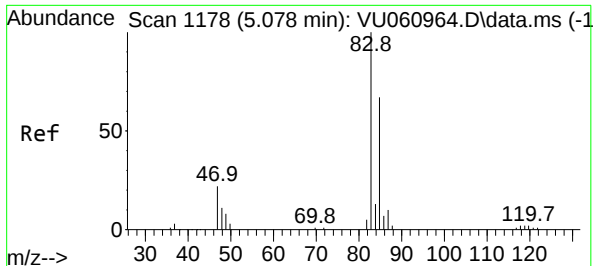


#22
cis-1,2-Dichloroethene
Concen: 545.231 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11



Tgt Ion: 96 Resp: 5590334
Ion Ratio Lower Upper
96 100
61 125.4 89.7 166.5
98 63.8 45.1 83.9





#25

Chloroform

Concen: 7.160 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU060972.D

Acq: 23 Sep 2024 13:11

Instrument :

MSVOA_U

ClientSampleId :

C0B17

Tgt Ion: 83 Resp: 13886

Ion Ratio Lower Upper

83 100

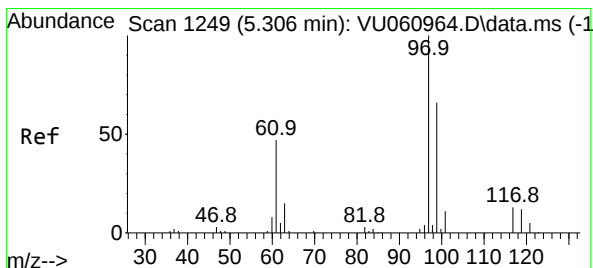
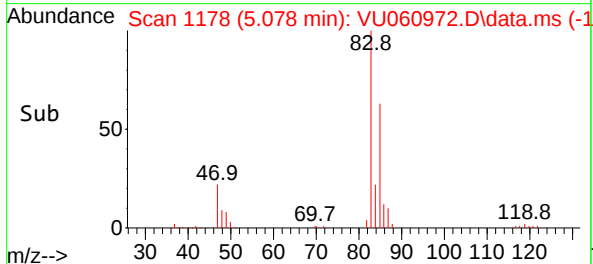
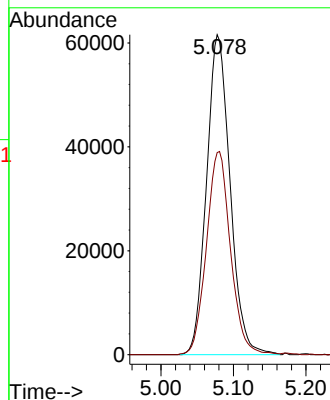
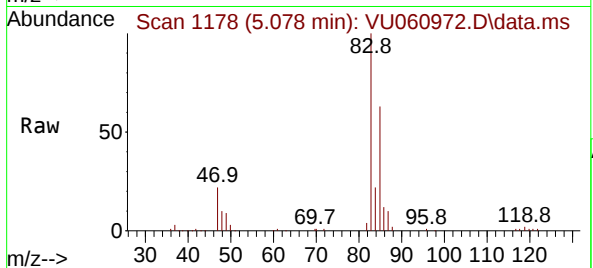
85 63.1 46.8 86.8

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#29

1,1,1-Trichloroethane

Concen: 1.728 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.003 min

Lab File: VU060972.D

Acq: 23 Sep 2024 13:11

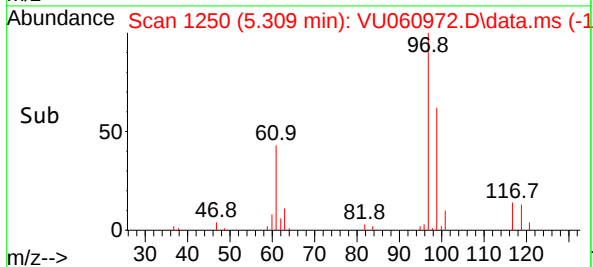
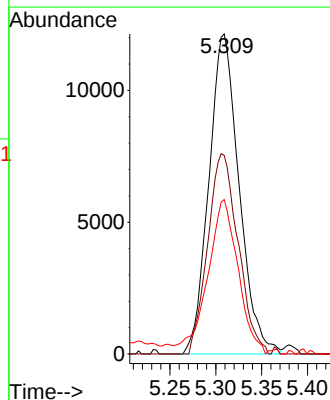
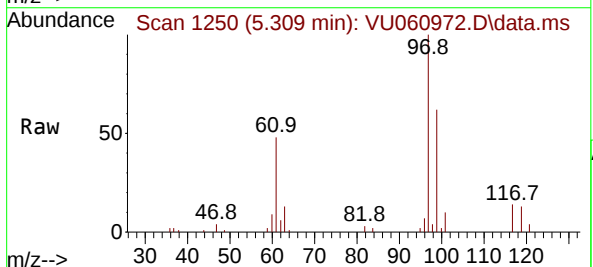
Tgt Ion: 97 Resp: 27809

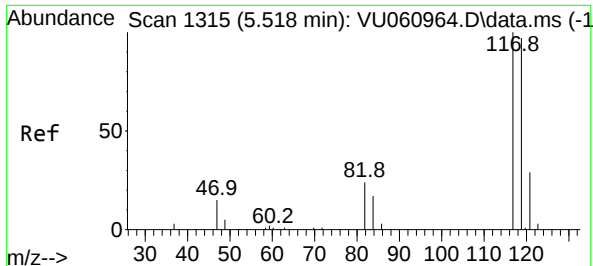
Ion Ratio Lower Upper

97 100

99 62.9 50.5 75.7

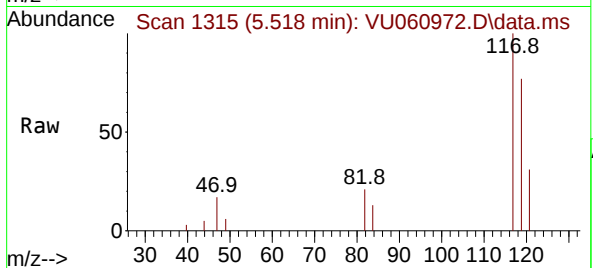
61 46.1 34.4 51.6





#31
Carbon tetrachloride
Concen: 0.490 ug/L
RT: 5.518 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11

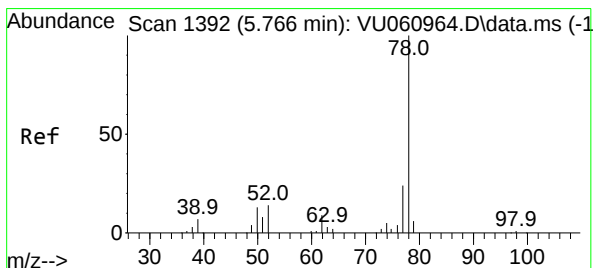
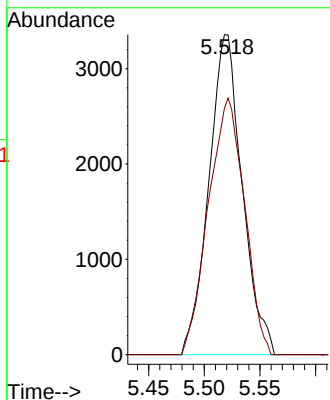
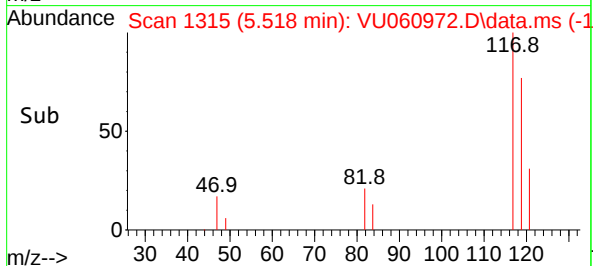
Instrument :
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Tgt Ion:117 Resp: 6978
Ion Ratio Lower Upper
117 100
119 87.2 76.3 114.5

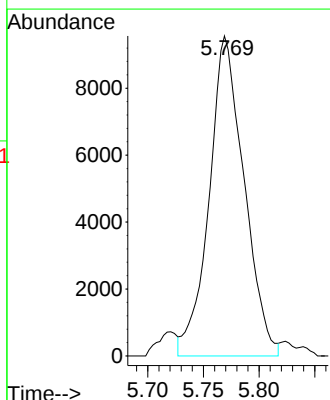
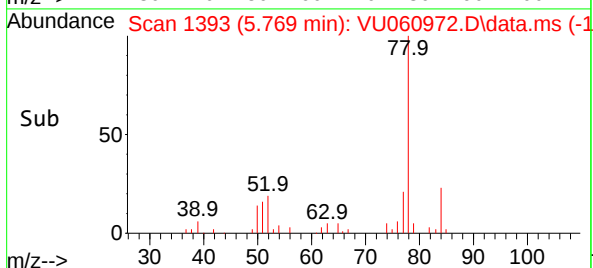
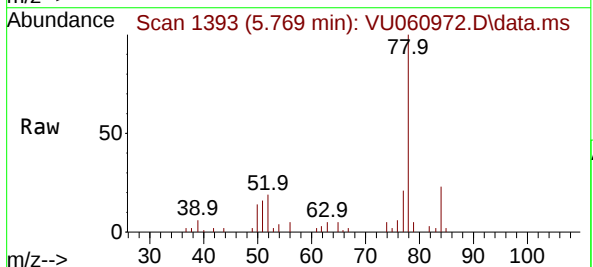
Manual Integrations
APPROVED

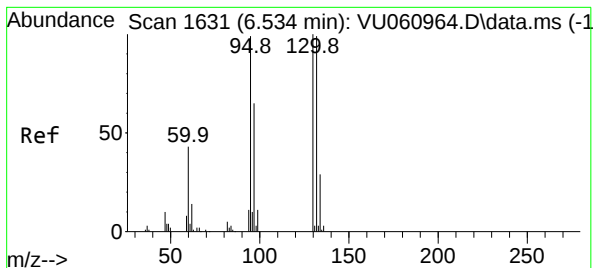
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#33
Benzene
Concen: 0.508 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11

Tgt Ion: 78 Resp: 20824





#34

Trichloroethene

Concen: 2930.554 ug/L m

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU060972.D

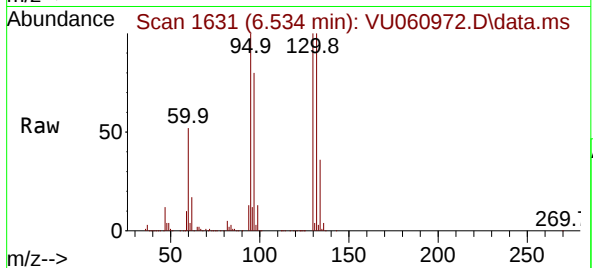
Acq: 23 Sep 2024 13:11

Instrument :

MSVOA_U

ClientSampleId :

C0B17



Tgt Ion: 95 Resp: 3148274

Ion Ratio Lower Upper

95 100

97 79.7 44.9 83.5

132 100.0 63.5 117.9

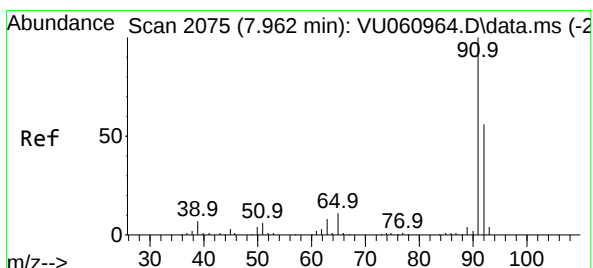
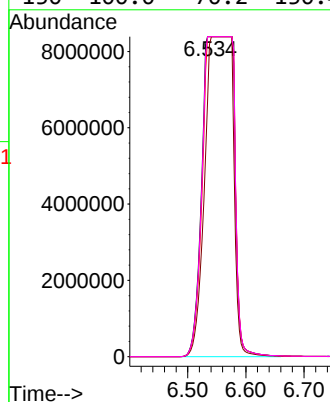
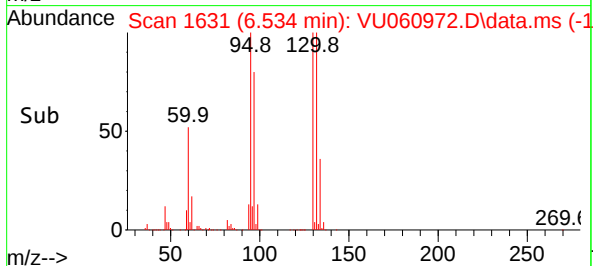
130 100.0 70.2 130.4

Manual Integrations

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Reviewed By :Mahesh Dadoda 09/25/2024

Supervised By :Semsettin Yesilyurt 09/25/2024



#42

Toluene

Concen: 1.117 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU060972.D

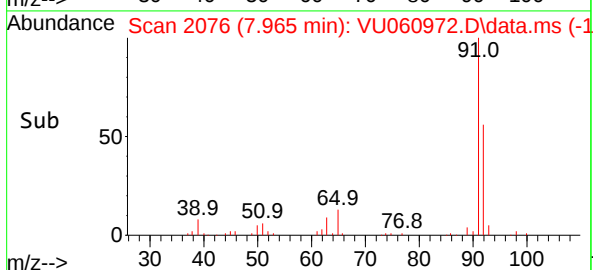
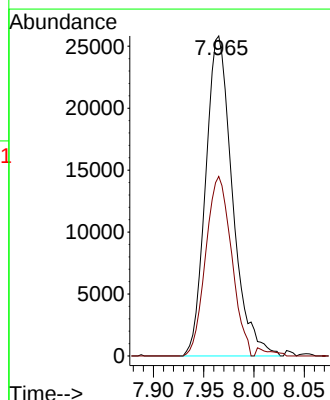
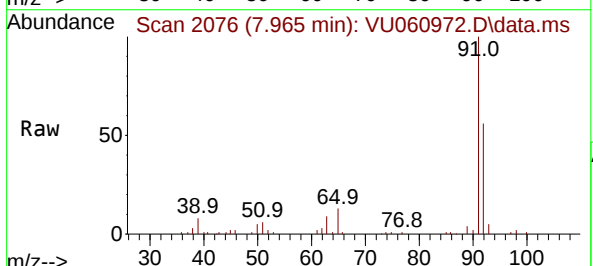
Acq: 23 Sep 2024 13:11

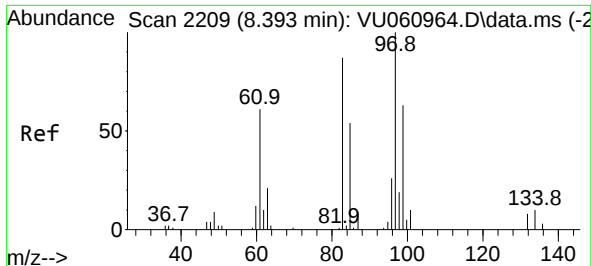
Tgt Ion: 91 Resp: 47852

Ion Ratio Lower Upper

91 100

92 56.1 40.5 75.3





#45

1,1,2-Trichloroethane

Concen: 1.099 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

Lab File: VU060972.D

Acq: 23 Sep 2024 13:11

Instrument :

MSVOA_U

ClientSampleId :

C0B17

Tgt Ion: 97 Resp: 896

Ion Ratio Lower Upper

97 100

99 56.9 42.3 78.5

83 90.6 61.7 114.5

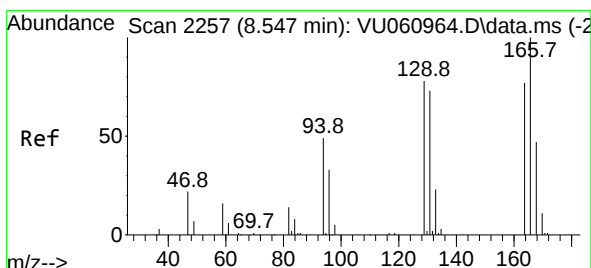
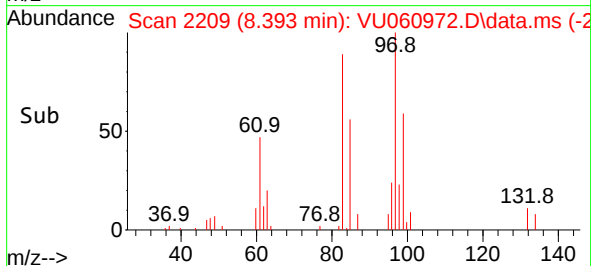
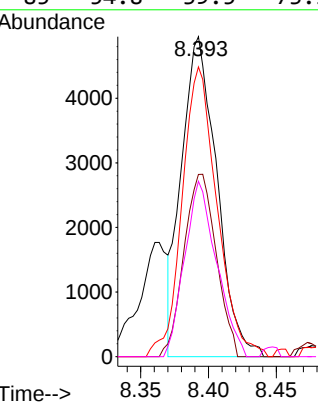
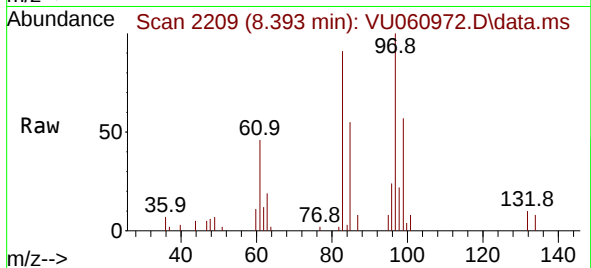
85 54.8 39.5 73.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024

Supervised By :Semsettin Yesilyurt 09/25/2024



#47

Tetrachloroethene

Concen: 160.627 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU060972.D

Acq: 23 Sep 2024 13:11

Tgt Ion:164 Resp: 1371323

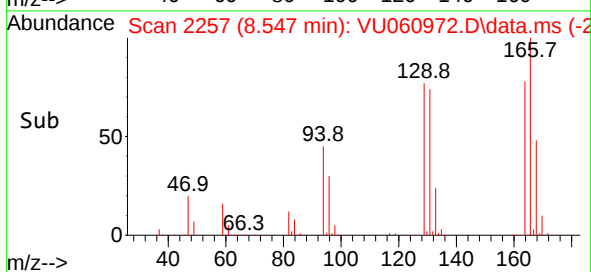
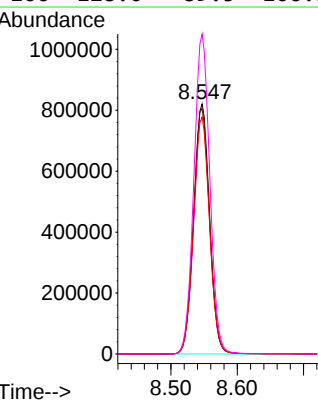
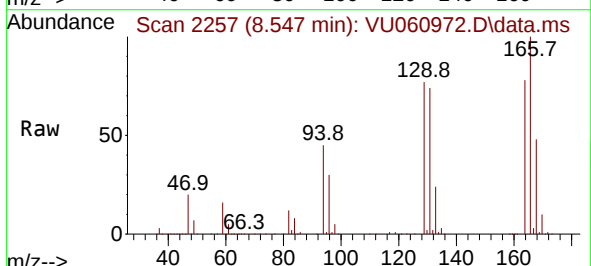
Ion Ratio Lower Upper

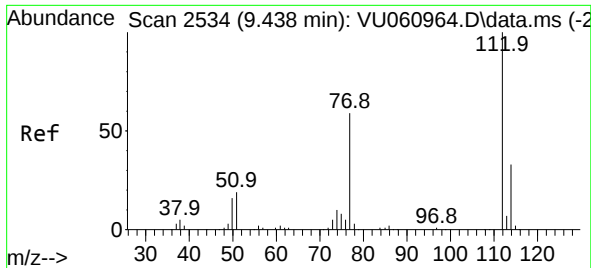
164 100

129 98.1 67.3 124.9

131 94.8 65.4 121.4

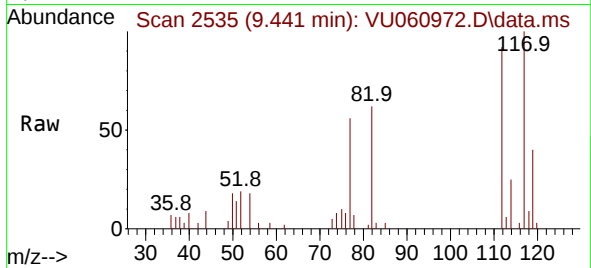
166 128.0 89.5 166.1





#51
Chlorobenzene
Concen: 0.255 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11

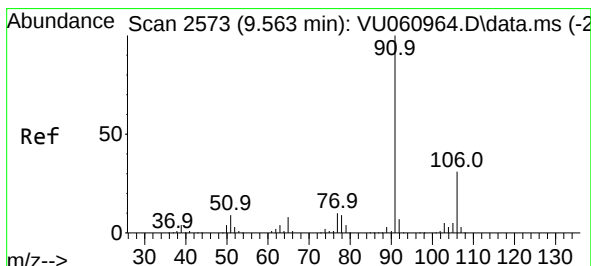
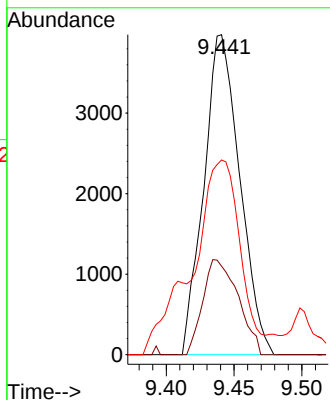
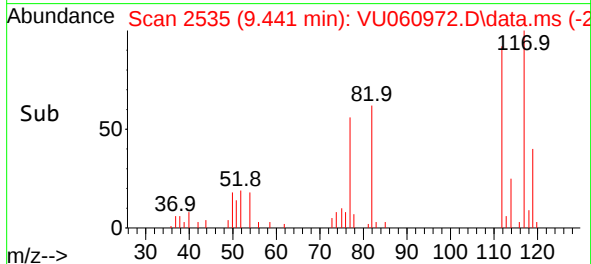
Instrument :
MSVOA_U
ClientSampleId :
C0B17



Tgt Ion: 112 Resp: 732
Ion Ratio Lower Upper
112 100
114 25.9 22.2 41.2
77 64.5 46.1 69.1

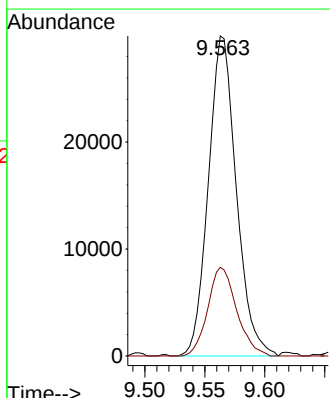
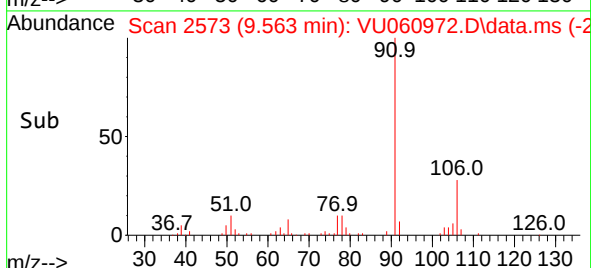
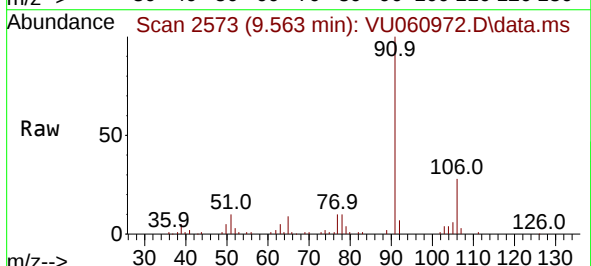
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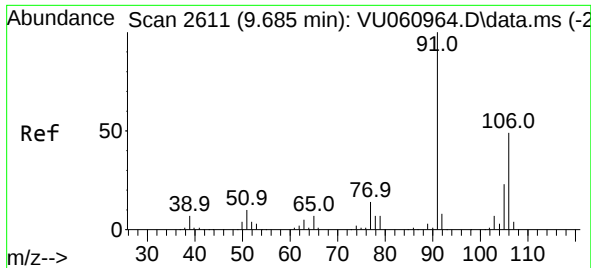
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#52
Ethylbenzene
Concen: 1.075 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.000 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11

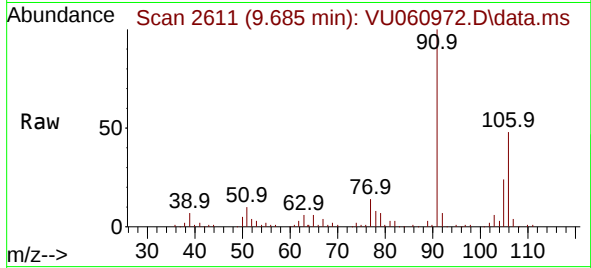
Tgt Ion: 91 Resp: 48502
Ion Ratio Lower Upper
91 100
106 27.7 21.8 40.6





#53
m,p-Xylene
Concen: 2.068 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.000 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11

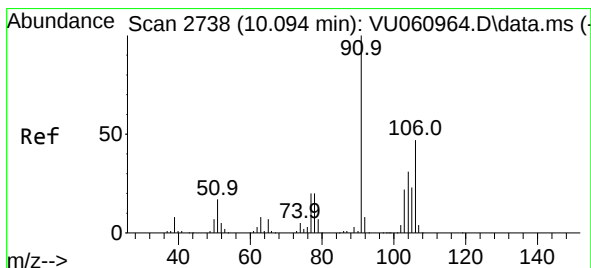
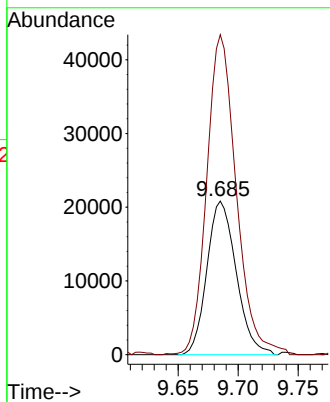
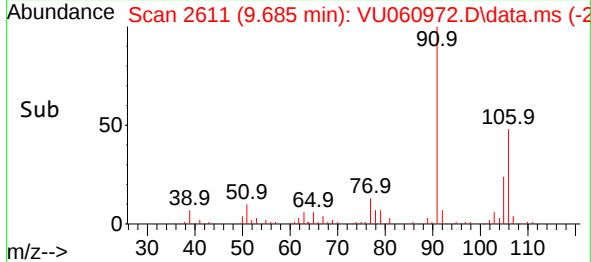
Instrument :
MSVOA_U
ClientSampleId :
C0B17



Tgt Ion:106 Resp: 35369
Ion Ratio Lower Upper
106 100
91 208.3 139.7 259.4

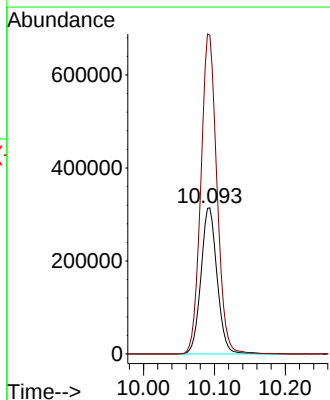
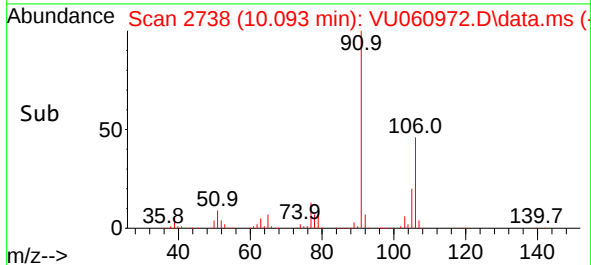
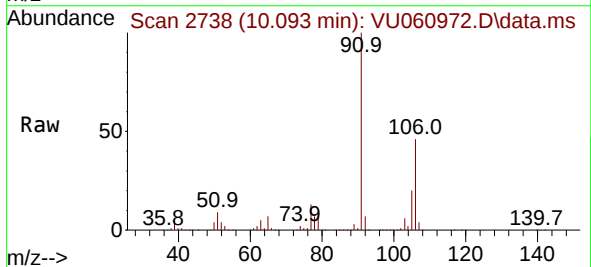
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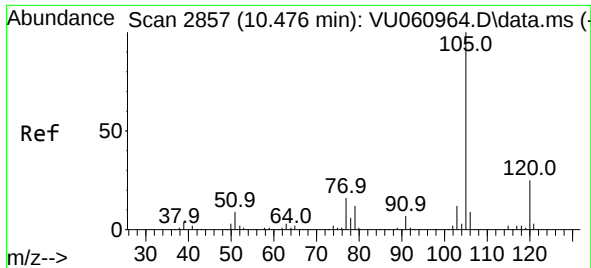
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#54
o-Xylene
Concen: 29.396 ug/L
RT: 10.093 min Scan# 2738
Delta R.T. -0.000 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11

Tgt Ion:106 Resp: 496161
Ion Ratio Lower Upper
106 100
91 218.2 148.6 276.0





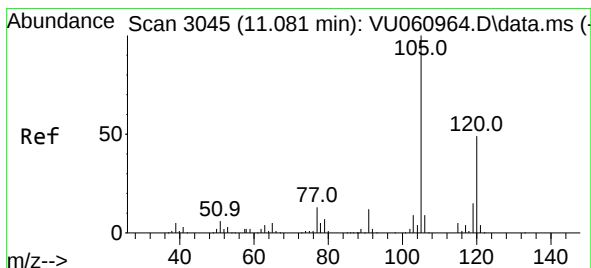
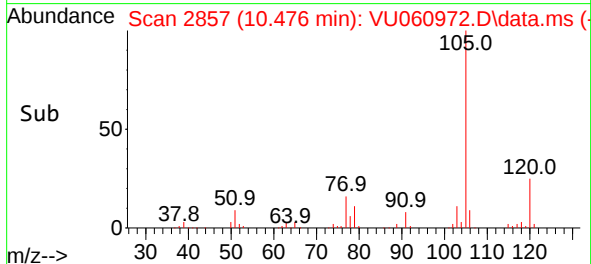
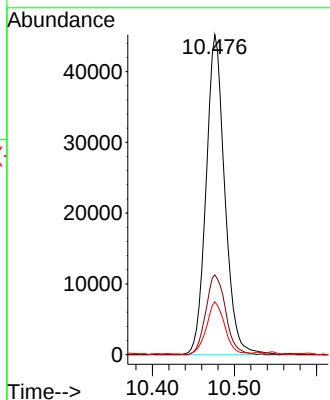
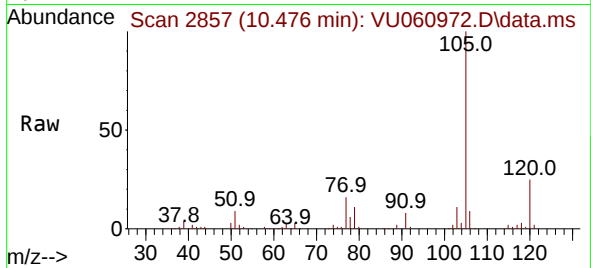
#60
Isopropylbenzene
Concen: 1.538 ug/L
RT: 10.476 min Scan# 2857
Delta R.T. -0.000 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11

Instrument :
MSVOA_U
ClientSampleId :
C0B17

Tgt Ion:105 Resp: 71597
Ion Ratio Lower Upper
105 100
120 0.0 21.5 32.3
77 16.4 12.6 18.8

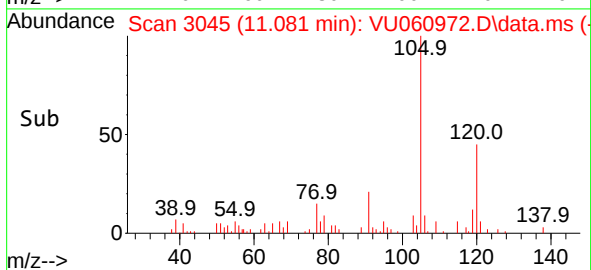
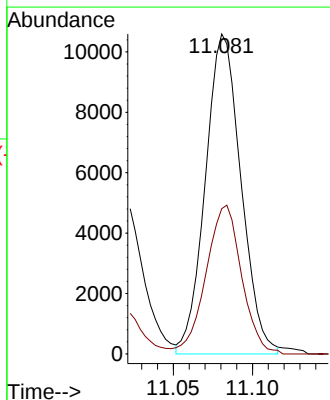
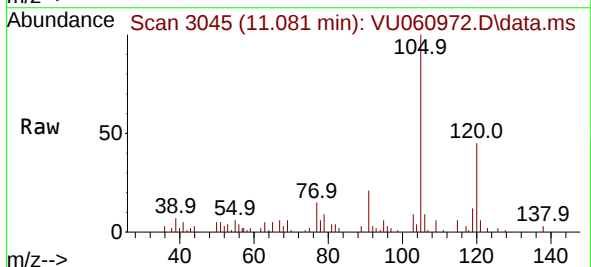
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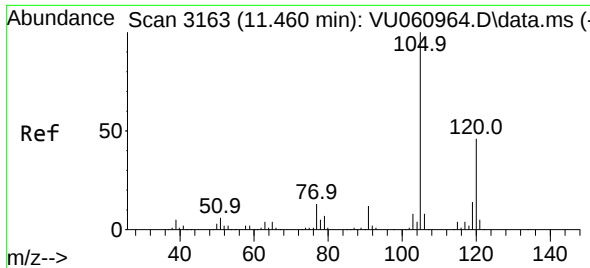
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024



#62
1,3,5-Trimethylbenzene
Concen: 0.458 ug/L m
RT: 11.081 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11

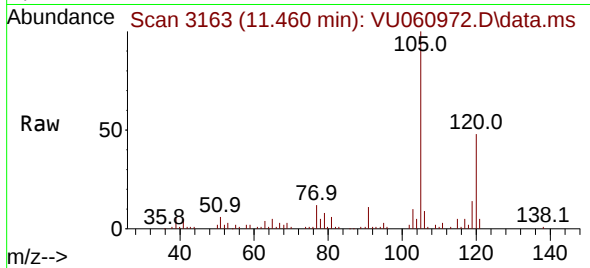
Tgt Ion:105 Resp: 16576
Ion Ratio Lower Upper
105 100
120 4133.5 38.5 57.7#





#63
1,2,4-Trimethylbenzene
Concen: 1.393 ug/L m
RT: 11.460 min Scan# 3163
Delta R.T. -0.000 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11

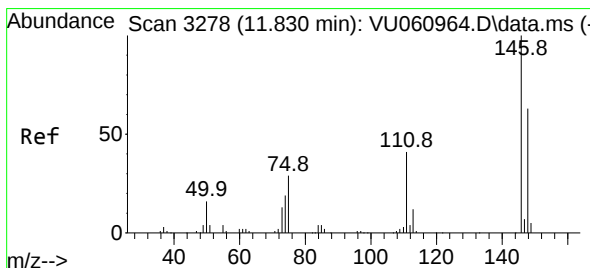
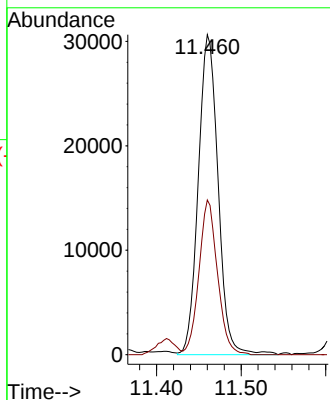
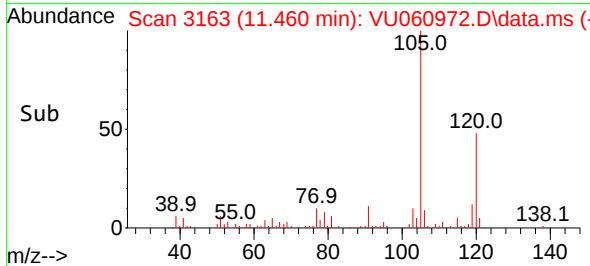
Instrument :
MSVOA_U
ClientSampleId :
C0B17



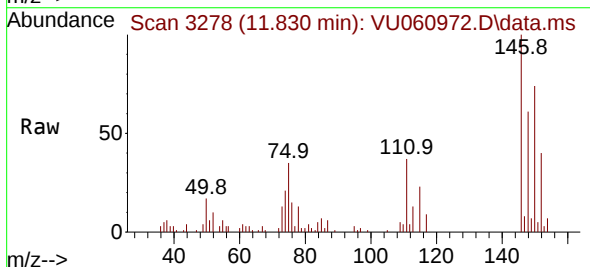
Tgt Ion:105 Resp: 4978
Ion Ratio Lower Upper
105 100
120 1376.3 36.1 54.1

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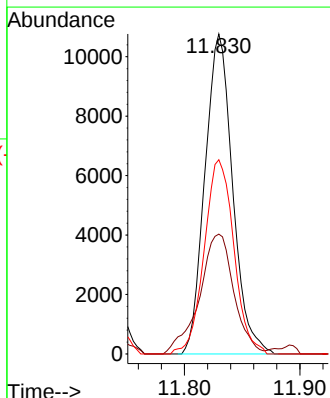
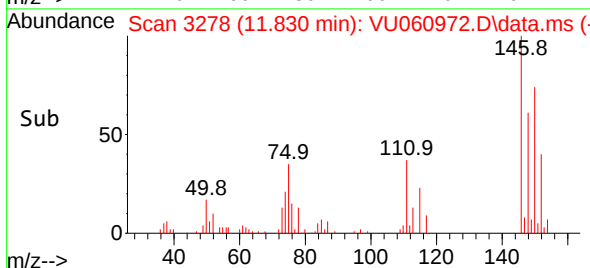
Reviewed By :Mahesh Dadoda 09/25/2024
Supervised By :Semsettin Yesilyurt 09/25/2024

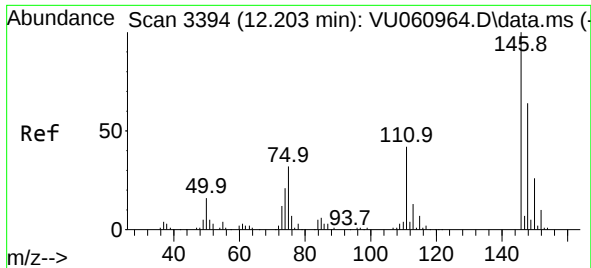


#65
1,4-Dichlorobenzene
Concen: 0.742 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU060972.D
Acq: 23 Sep 2024 13:11



Tgt Ion:146 Resp: 17947
Ion Ratio Lower Upper
146 100
111 37.4 26.3 48.9
148 60.7 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 8.893 ug/L

RT: 12.203 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU060972.D

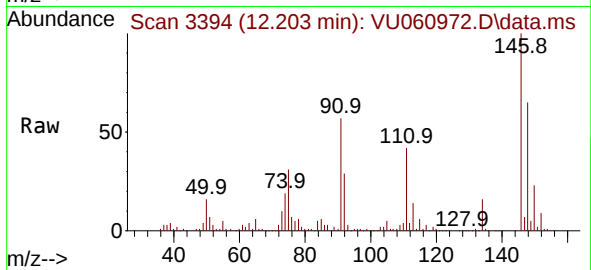
Acq: 23 Sep 2024 13:11

Instrument :

MSVOA_U

ClientSampleId :

C0B17



Tgt Ion:146 Resp: 19682

Ion Ratio Lower Upper

146 100

111 42.0 33.4 50.0

148 64.9 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/25/2024

Supervised By :Semsettin Yesilyurt 09/25/2024

