

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040324\
 Data File : VU058367.D
 Acq On : 03 Apr 2024 16:31
 Operator : MD/SY
 Sample : P1949-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COAM1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 04/05/2024
 Supervised By :Semsettin Yesilyurt 04/05/2024

Quant Time: Apr 04 01:25:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 04 01:17:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	73711	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	70983	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	35952	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	20219	3.246	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	65.000%		
7) Chloroethane-d5	1.907	69	21928	4.313	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	86.200%		
11) 1,1-Dichloroethene-d2	2.560	65	9795	3.787	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	75.800%		
20) 2-Butanone-d5	4.621	46	60247	54.442	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	108.880%		
24) Chloroform-d	5.052	84	58540	5.257	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	105.200%		
26) 1,2-Dichloroethane-d4	5.695	65	24939	4.790	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	95.800%		
32) Benzene-d6	5.721	84	98646	4.279	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	85.600%		
36) 1,2-Dichloropropane-d6	6.685	67	29908	4.401	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	88.000%		
41) Toluene-d8	7.891	98	81307	3.981	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	79.600%		
43) trans-1,3-Dichloroprop...	8.174	79	10350	4.754	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	95.000%		
46) 2-Hexanone-d5	8.627	63	46335	52.551	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	105.100%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	22228	5.021	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	100.400%		
66) 1,2-Dichlorobenzene-d4	12.187	152	29814	4.453	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	89.000%		
Target Compounds						Qvalue
5) Vinyl chloride	1.599	62	5829	1.379	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	98222	22.284	ug/L	98
12) 1,1-Dichloroethene	2.576	96	227202	61.483	ug/L #	62
16) Methylene chloride	3.036	84	558259	106.609	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	1583	0.160	ug/L #	36
18) trans-1,2-Dichloroethene	3.348	96	2503	0.648	ug/L	97
19) 1,1-Dichloroethane	3.859	63	29045	3.347	ug/L	96
22) cis-1,2-Dichloroethene	4.653	96	935554	196.044	ug/L	95
25) Chloroform	5.078	83	185970	20.437	ug/L	95
29) 1,1,1-Trichloroethane	5.309	97	21404	2.916	ug/L	96
30) Cyclohexane	5.383	56	1902	0.297	ug/L #	86
31) Carbon tetrachloride	5.518	117	13784	2.206	ug/L	99
33) Benzene	5.772	78	7997	0.429	ug/L	100
34) Trichloroethene	6.544	95	24674000m	5079.991	ug/L	
38) Bromodichloromethane	7.100	83	3284	0.550	ug/L	97
42) Toluene	7.962	91	56373	2.862	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	3793	1.156	ug/L	98
47) Tetrachloroethene	8.547	164	541418	166.422	ug/L	97
52) Ethylbenzene	9.563	91	101616	4.620	ug/L	99

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C0AM1

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.685	106	192397	24.550	ug/L	97
54) o-Xylene	10.093	106	212955	26.919	ug/L	99
60) Isopropylbenzene	10.479	105	6962m	0.322	ug/L	
62) 1,3,5-Trimethylbenzene	11.081	105	38881	2.145	ug/L	98
63) 1,2,4-Trimethylbenzene	11.460	105	112633	6.257	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	3628	0.373	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	28280	3.040	ug/L	95

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

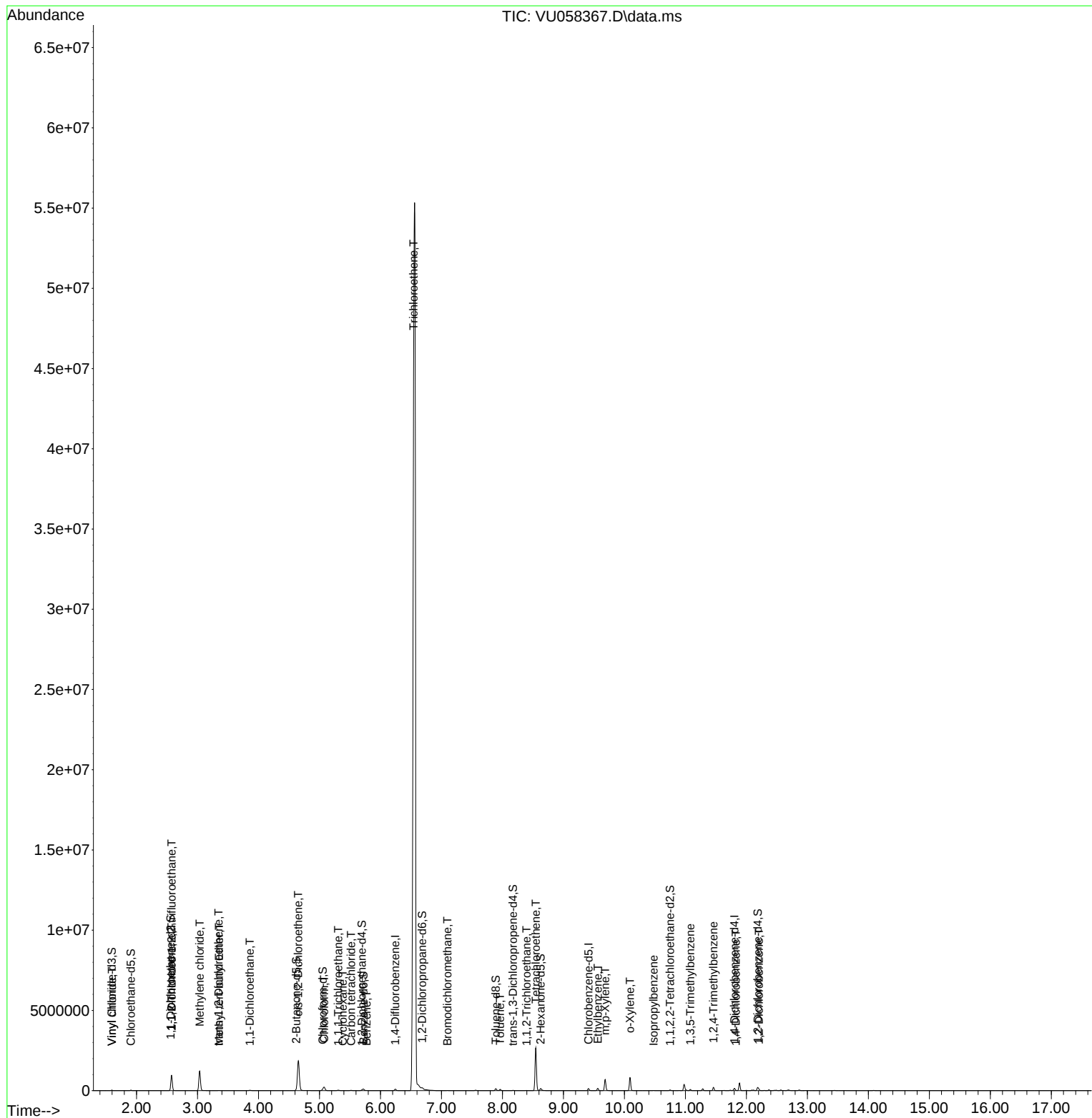
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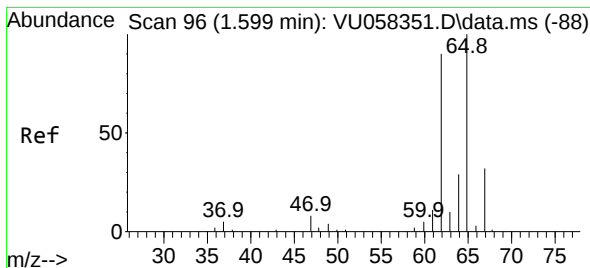
Instrument :
MSVOA_U
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C0AM1

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#5

Vinyl chloride

Concen: 1.379 ug/L

RT: 1.599 min Scan# 90

Delta R.T. 0.000 min

Lab File: VU058367.D

Acq: 03 Apr 2024 16:31

Instrument :

MSVOA_U

ClientSampleId :

COAM1

Tgt Ion: 62 Resp: 5829

Ion Ratio Lower Upper

62 100

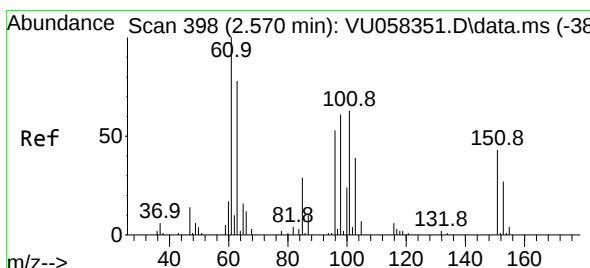
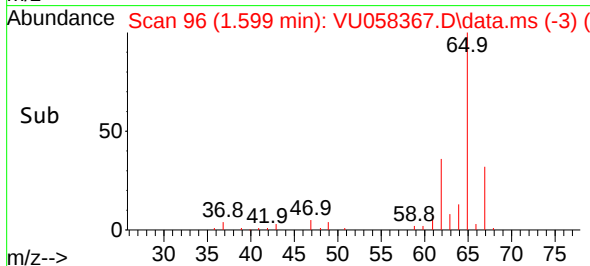
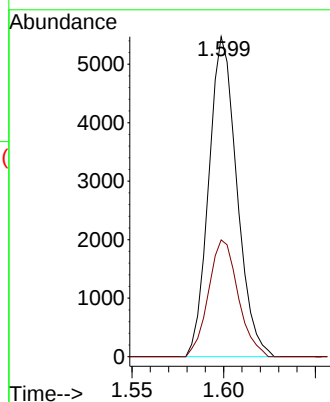
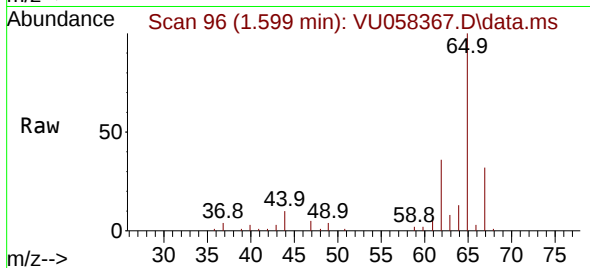
64 36.5 23.4 43.6

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 22.284 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.006 min

Lab File: VU058367.D

Acq: 03 Apr 2024 16:31

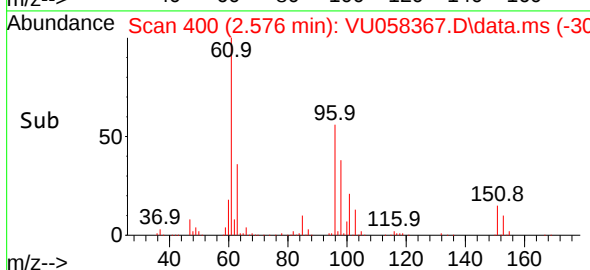
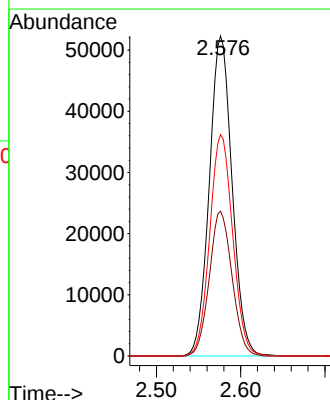
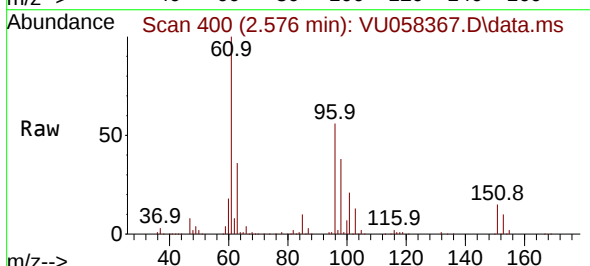
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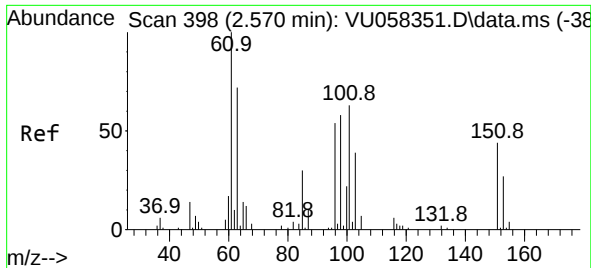
Ion Ratio Lower Upper

101 100

85 45.1 37.9 56.9

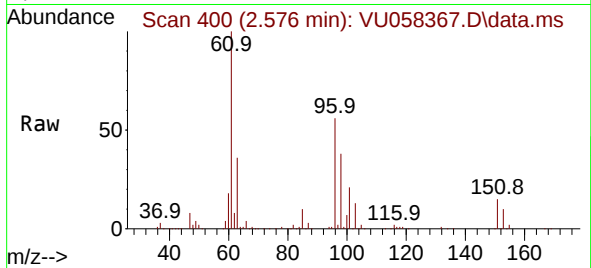
151 69.8 55.3 82.9





#12
1,1-Dichloroethene
Concen: 61.483 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.006 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

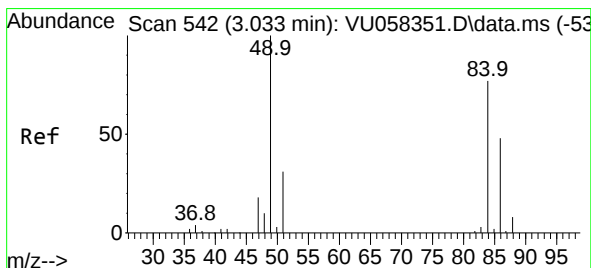
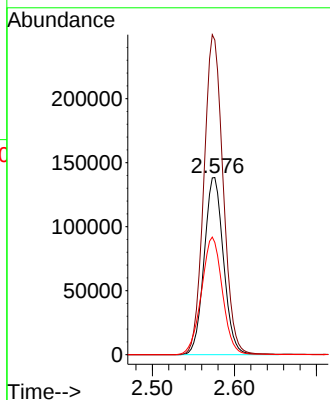
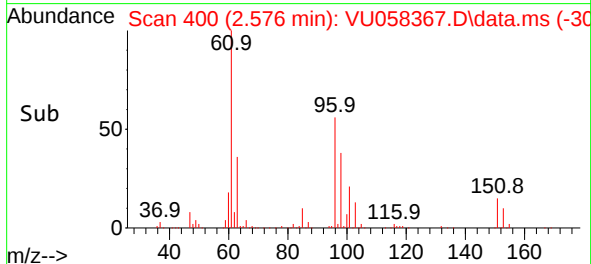
Instrument :
MSVOA_U
ClientSampleId :
COAM1



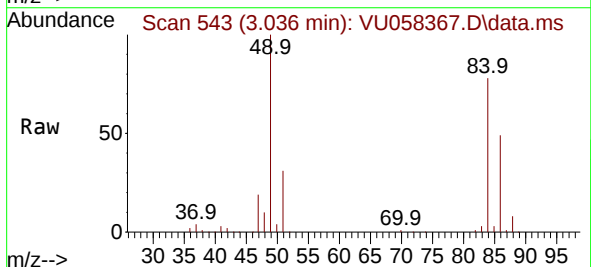
Tgt Ion: 96 Resp: 22720
Ion Ratio Lower Upper
96 100
61 177.6 128.1 237.9
63 63.4 116.8 217.0

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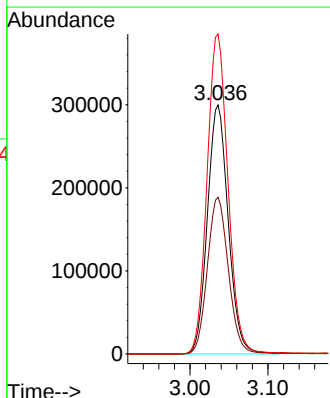
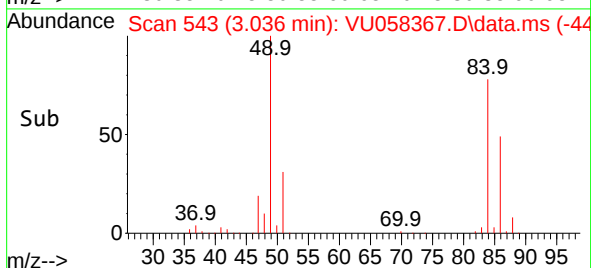
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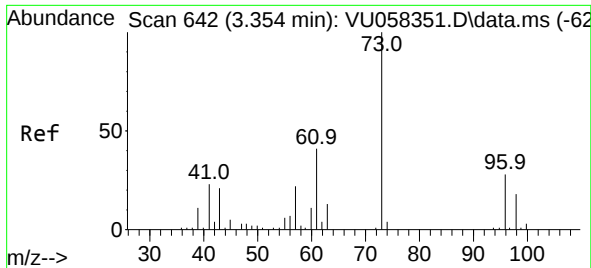


#16
Methylene chloride
Concen: 106.609 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.003 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31



Tgt Ion: 84 Resp: 558259
Ion Ratio Lower Upper
84 100
86 62.9 45.6 84.6
49 128.5 88.3 163.9





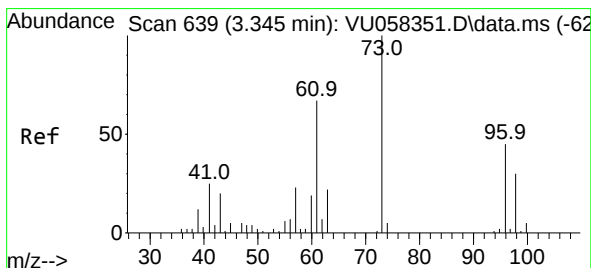
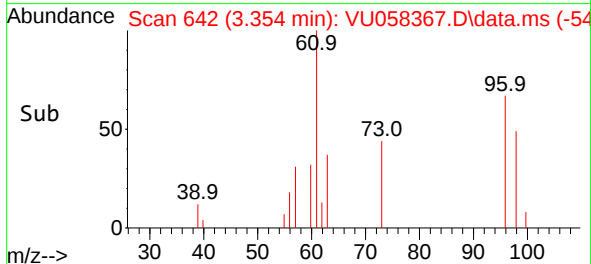
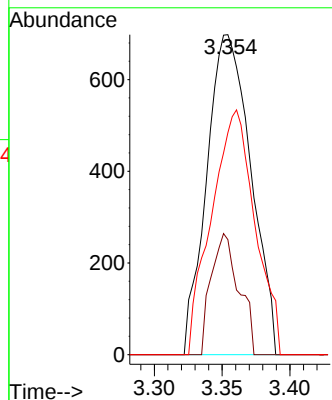
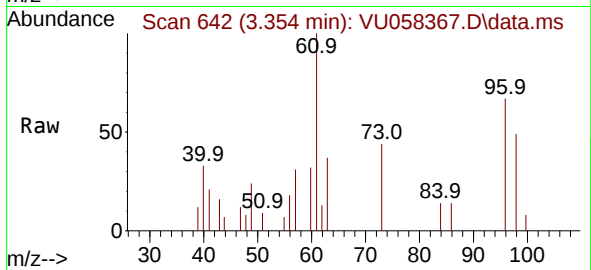
#17
Methyl tert-butyl Ether
Concen: 0.160 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

Instrument :
MSVOA_U
ClientSampleId :
COAM1

Tgt Ion: 73 Resp: 158
Ion Ratio Lower Upper
73 100
43 23.7 15.5 23.3
57 75.5 18.0 27.0

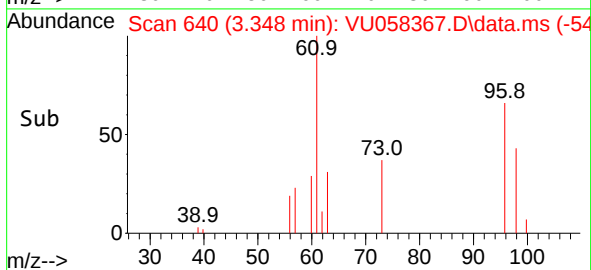
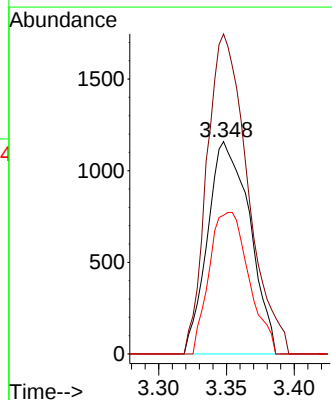
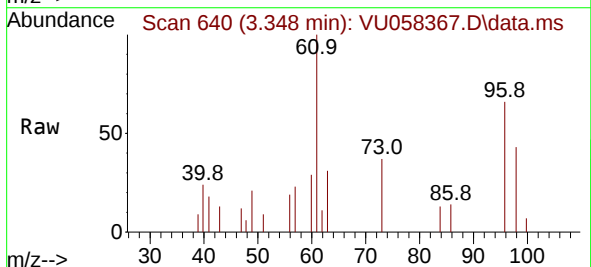
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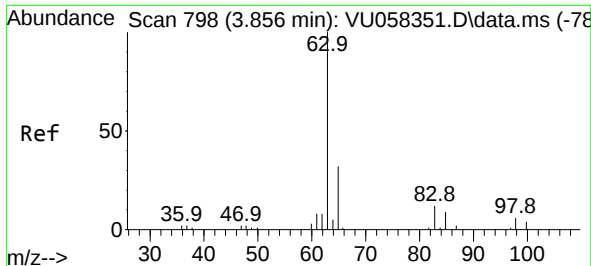
Reviewed By :Mahesh Dadoda 04/05/2024
Supervised By :Semsettin Yesilyurt 04/05/2024



#18
trans-1,2-Dichloroethene
Concen: 0.648 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

Tgt Ion: 96 Resp: 2503
Ion Ratio Lower Upper
96 100
61 150.6 102.5 190.3
98 65.3 44.0 81.8





#19

1,1-Dichloroethane

Concen: 3.347 ug/L

RT: 3.859 min Scan# 798

Delta R.T. 0.003 min

Lab File: VU058367.D

Acq: 03 Apr 2024 16:31

Instrument :

MSVOA_U

ClientSampleId :

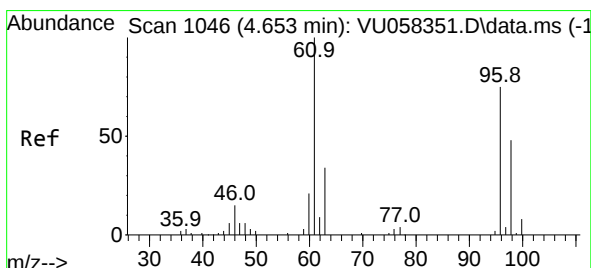
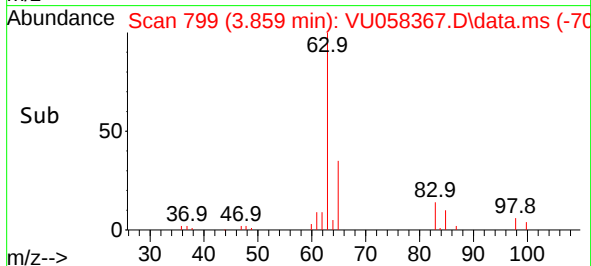
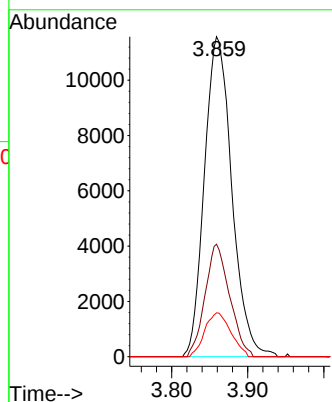
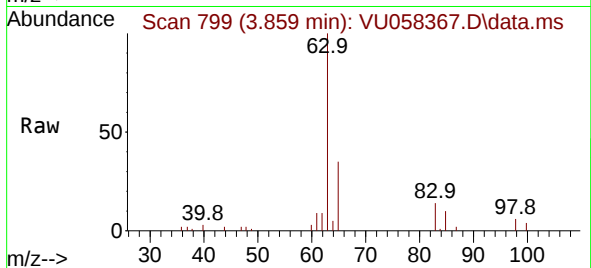
COAM1

Tgt Ion: 63	Resp: 2904
Ion Ratio	Lower Upper
63 100	
65 35.1	22.3 41.5
83 13.7	10.0 18.6

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#22

cis-1,2-Dichloroethene

Concen: 196.044 ug/L

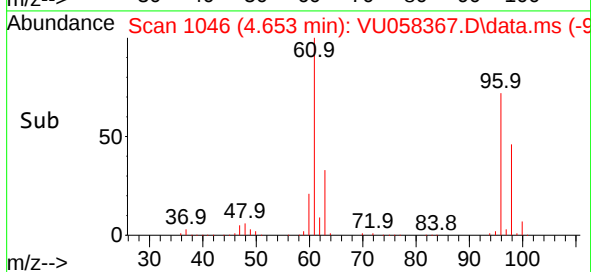
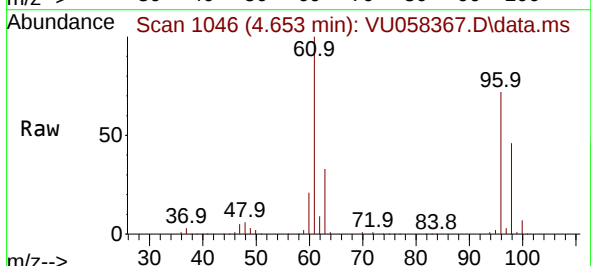
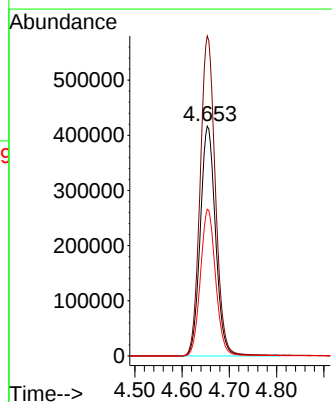
RT: 4.653 min Scan# 1046

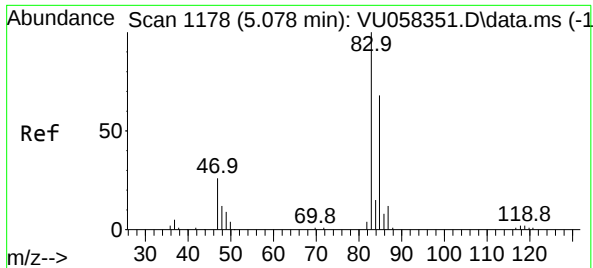
Delta R.T. 0.000 min

Lab File: VU058367.D

Acq: 03 Apr 2024 16:31

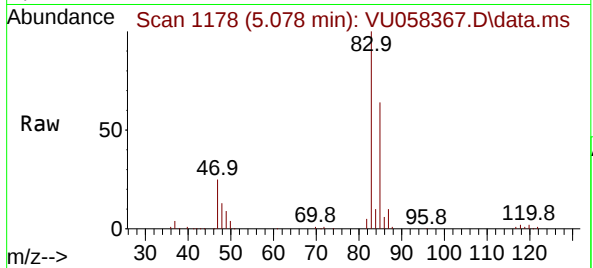
Tgt Ion: 96	Resp: 935554
Ion Ratio	Lower Upper
96 100	
61 139.3	92.8 172.4
98 63.9	43.2 80.2





#25
Chloroform
Concen: 20.437 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

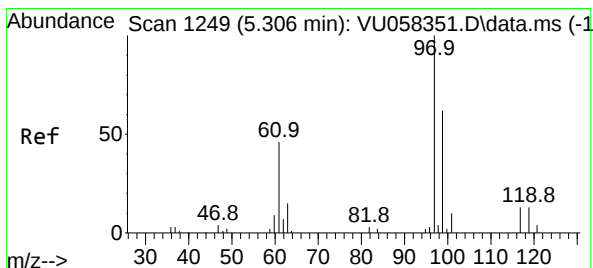
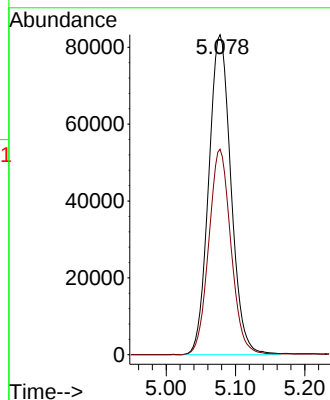
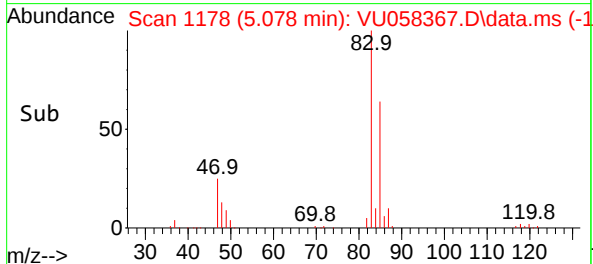
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C0AM1



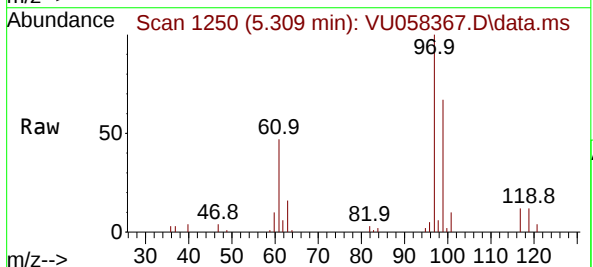
Tgt Ion: 83 Resp: 185970
Ion Ratio Lower Upper
83 100
85 64.2 47.9 88.9

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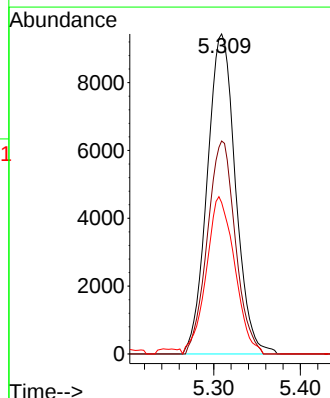
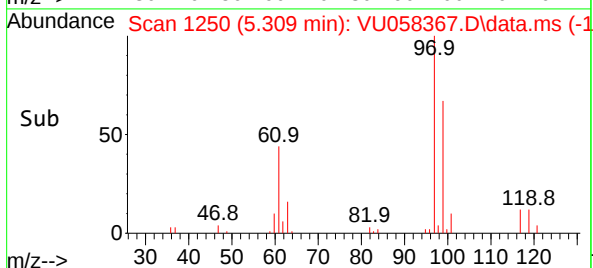
Reviewed By :Mahesh Dadoda 04/05/2024
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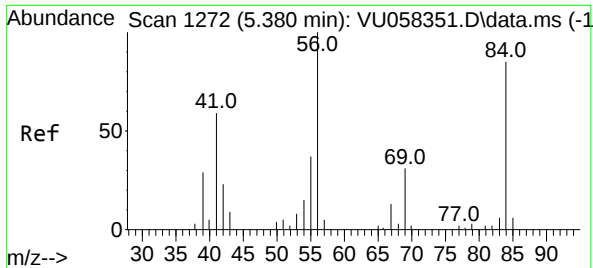


#29
1,1,1-Trichloroethane
Concen: 2.916 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.003 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31



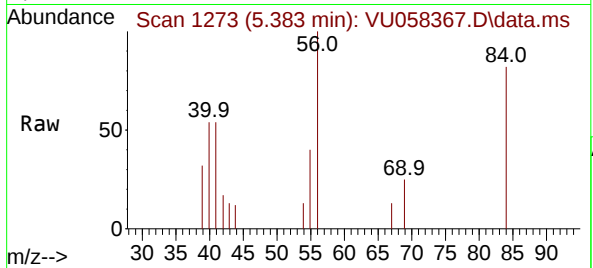
Tgt Ion: 97 Resp: 21404
Ion Ratio Lower Upper
97 100
99 65.7 50.5 75.7
61 49.3 36.3 54.5





#30
Cyclohexane
Concen: 0.297 ug/L
RT: 5.383 min Scan# 1315
Delta R.T. 0.003 min
Lab File: VU058367.D
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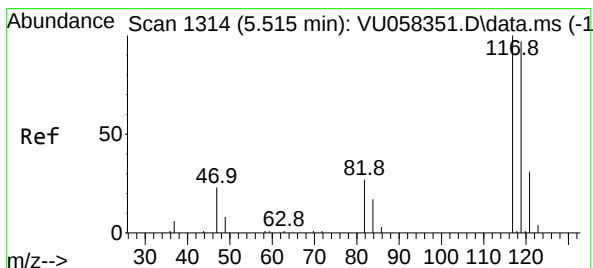
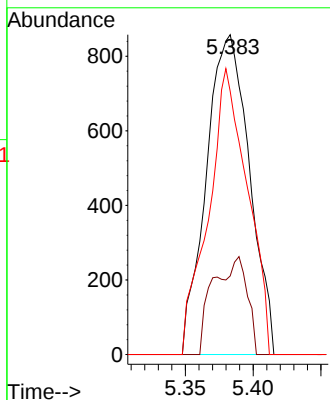
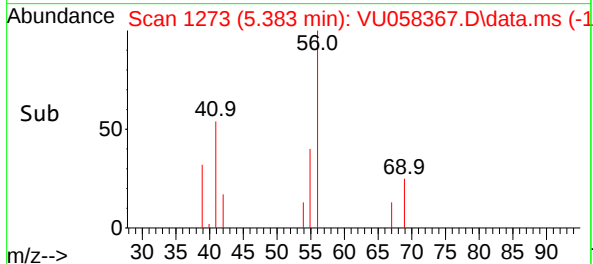
Instrument :
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Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
69 11.4 24.2 36.2
84 80.8 69.7 104.5

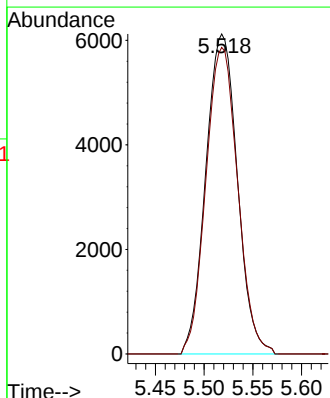
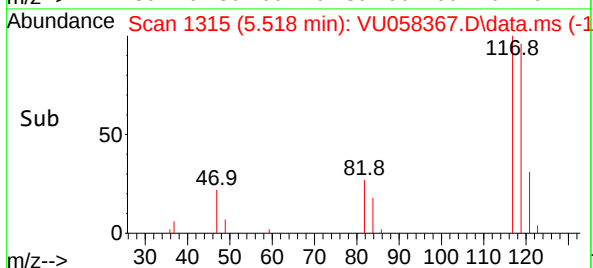
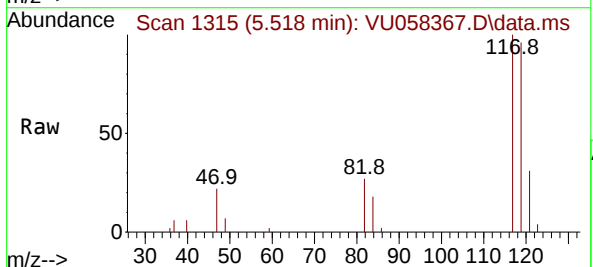
Manual Integrations
APPROVED

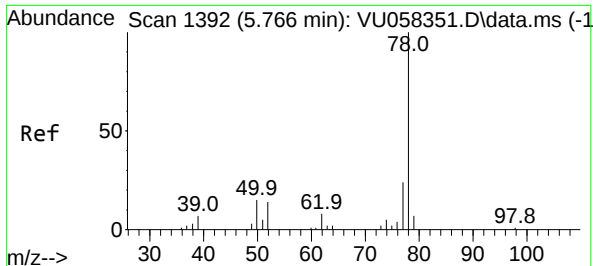
Reviewed By :Mahesh Dadoda 04/05/2024
Supervised By :Semsettin Yesilyurt 04/05/2024



#31
Carbon tetrachloride
Concen: 2.206 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.003 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

Tgt Ion:117 Resp: 13784
Ion Ratio Lower Upper
117 100
119 96.2 78.1 117.1





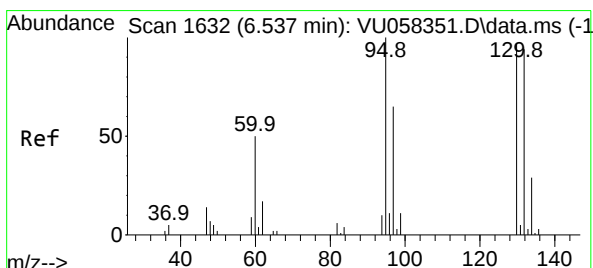
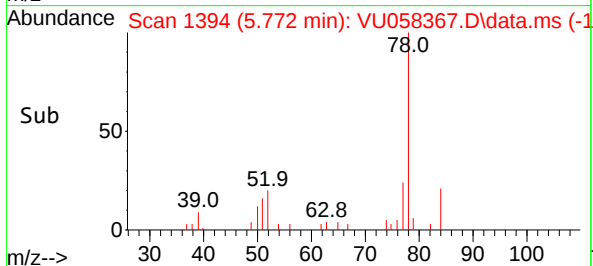
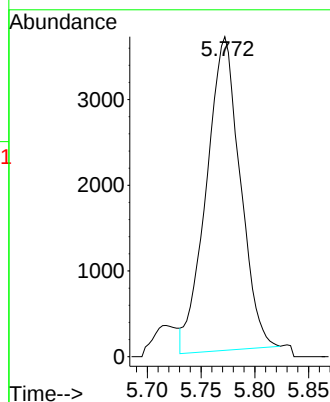
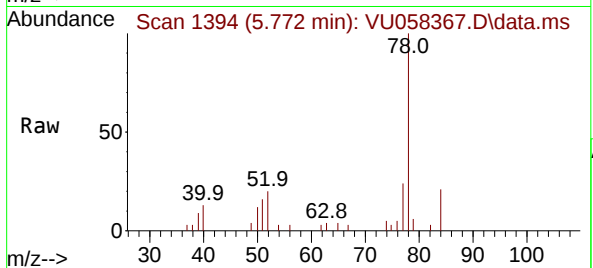
#33
Benzene
Concen: 0.429 ug/L
RT: 5.772 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

Instrument :
MSVOA_U
ClientSampleId :
C0AM1

Tgt Ion: 78 Resp: 799

Manual Integrations
APPROVED

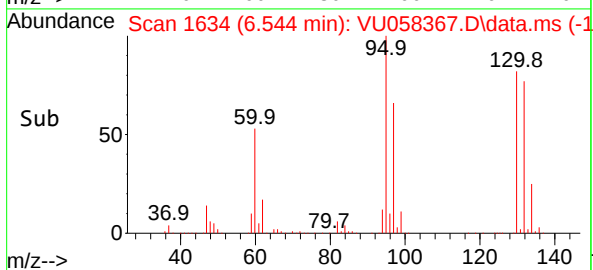
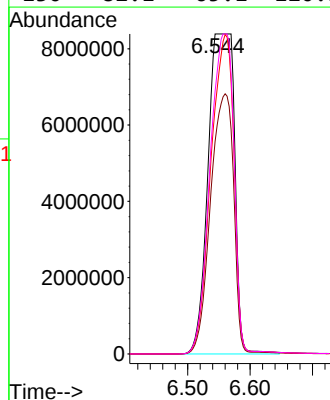
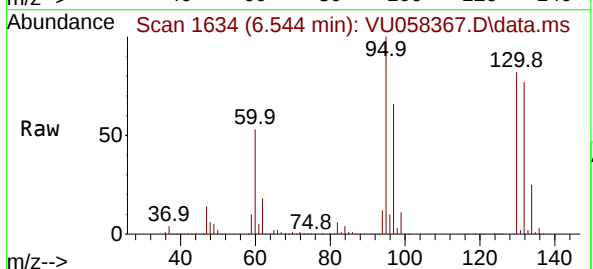
Reviewed By :Mahesh Dadoda 04/05/2024
Supervised By :Semsettin Yesilyurt 04/05/2024

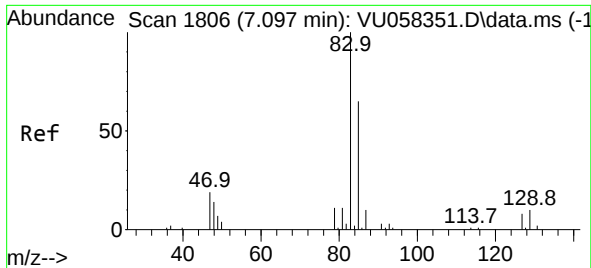


#34
Trichloroethene
Concen: 5079.991 ug/L m
RT: 6.544 min Scan# 1634
Delta R.T. 0.006 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

Tgt Ion: 95 Resp:24674000

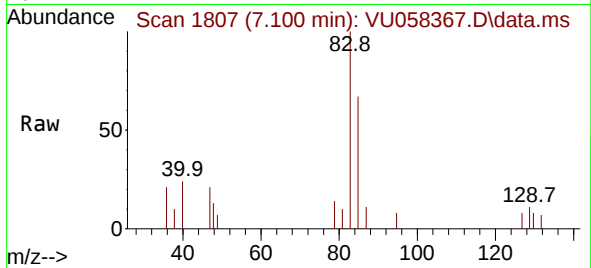
Ion	Ratio	Lower	Upper
95	100		
97	66.4	47.7	88.7
132	77.0	63.6	118.2
130	82.1	65.1	120.9





#38
Bromodichloromethane
Concen: 0.550 ug/L
RT: 7.100 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

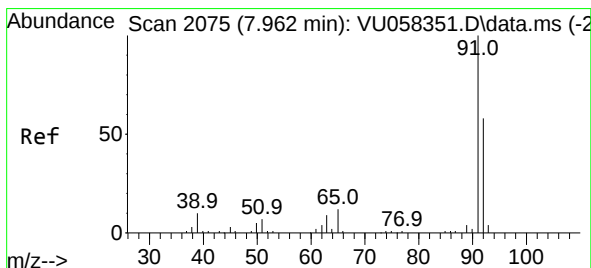
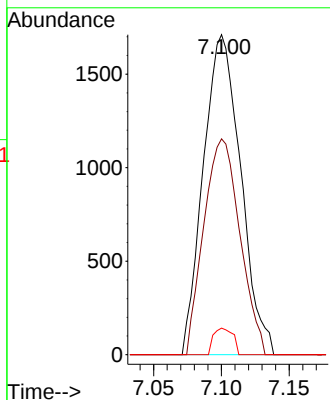
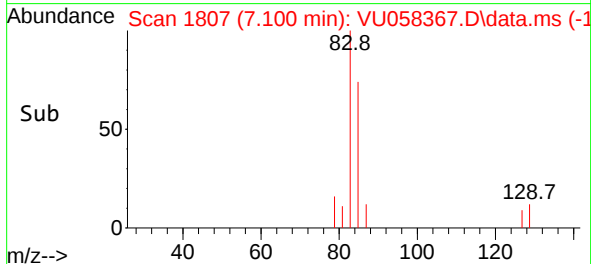
Instrument :
MSVOA_U
ClientSampleId :
C0AM1



Tgt Ion: 83 Resp: 3284
Ion Ratio Lower Upper
83 100
85 67.4 45.6 84.8
127 8.3 7.1 10.7

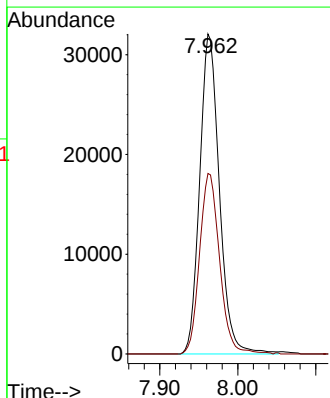
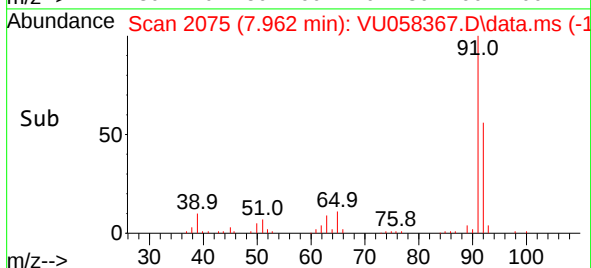
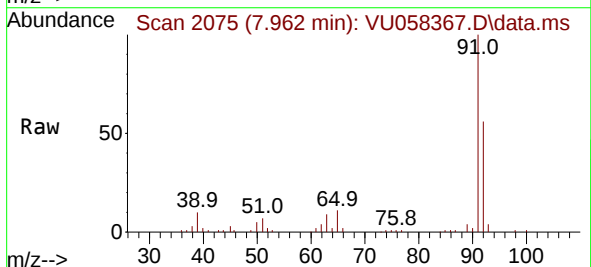
Manual Integrations
APPROVED

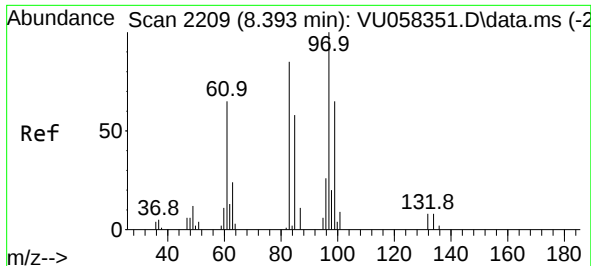
Reviewed By :Mahesh Dadoda 04/05/2024
Supervised By :Semsettin Yesilyurt 04/05/2024



#42
Toluene
Concen: 2.862 ug/L
RT: 7.962 min Scan# 2075
Delta R.T. 0.000 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

Tgt Ion: 91 Resp: 56373
Ion Ratio Lower Upper
91 100
92 56.4 40.7 75.5





#45

1,1,2-Trichloroethane

Concen: 1.156 ug/L

RT: 8.396 min Scan# 2110

Delta R.T. 0.003 min

Lab File: VU058367.D

Acq: 03 Apr 2024 16:31

Instrument :

MSVOA_U

ClientSampleId :

C0AM1

Tgt Ion: 97 Resp: 379

Ion Ratio Lower Upper

97 100

99 62.4 44.5 82.7

83 88.9 64.1 119.1

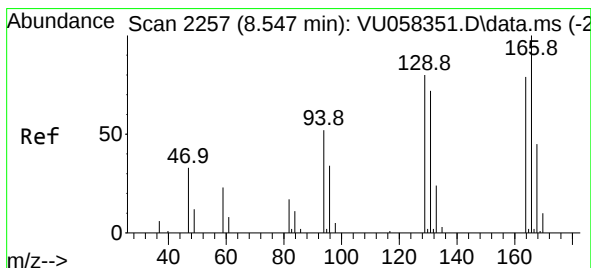
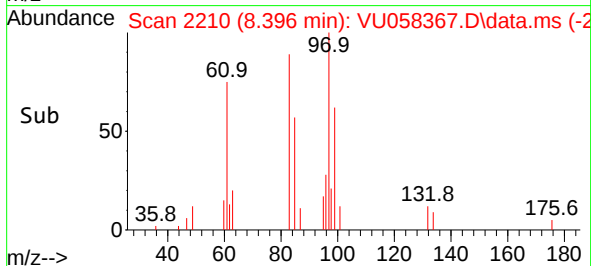
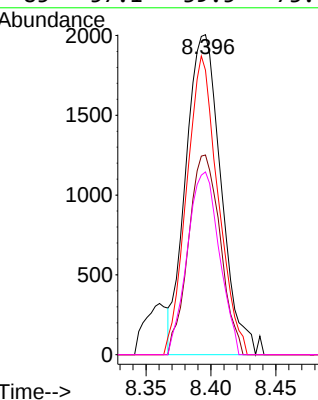
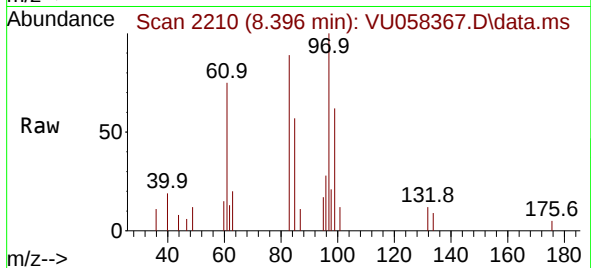
85 57.1 39.5 73.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/05/2024

Supervised By :Semsettin Yesilyurt 04/05/2024



#47

Tetrachloroethene

Concen: 166.422 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU058367.D

Acq: 03 Apr 2024 16:31

Tgt Ion:164 Resp: 541418

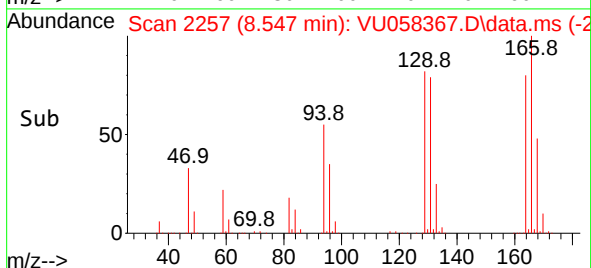
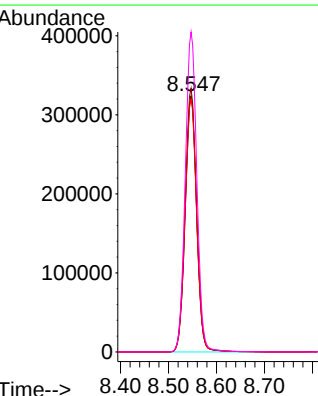
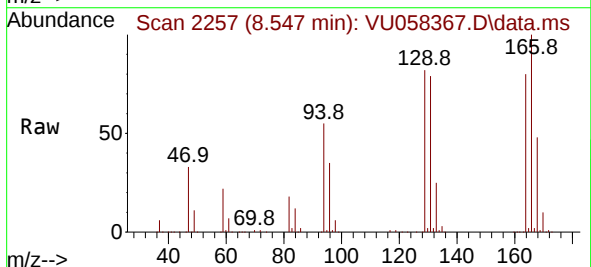
Ion Ratio Lower Upper

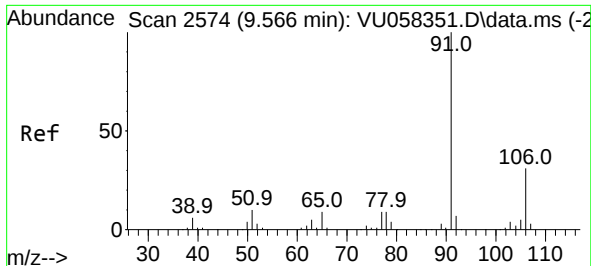
164 100

129 103.0 71.3 132.3

131 99.0 70.8 131.4

166 125.0 90.9 168.9





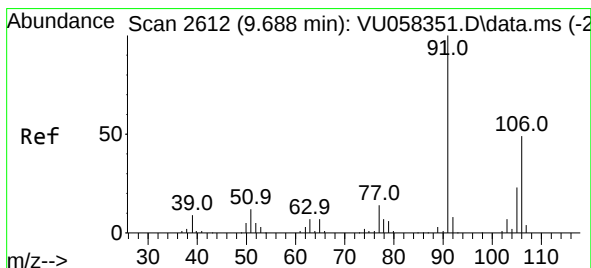
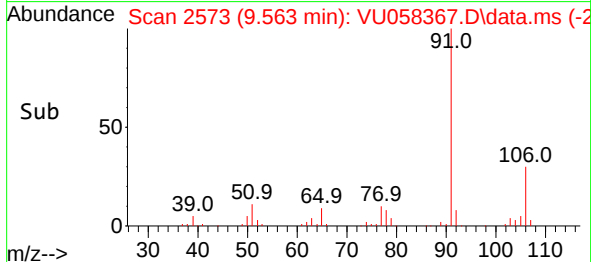
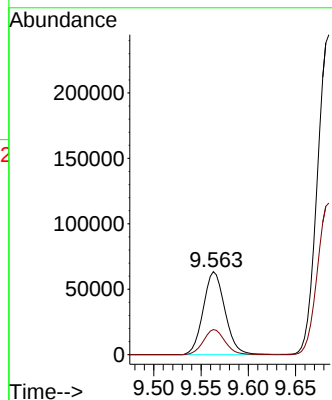
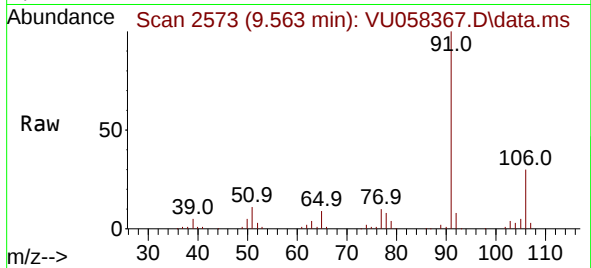
#52
Ethylbenzene
Concen: 4.620 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. -0.003 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

Instrument :
MSVOA_U
ClientSampleId :
C0AM1

Tgt Ion: 91 Resp: 101610
Ion Ratio Lower Upper
91 100
106 30.2 20.6 38.2

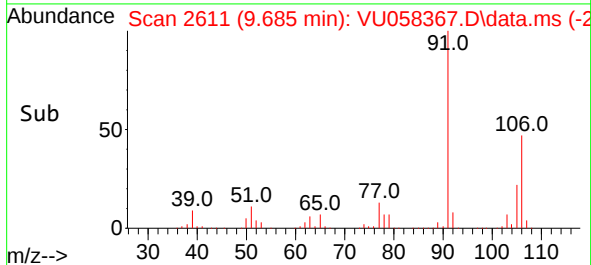
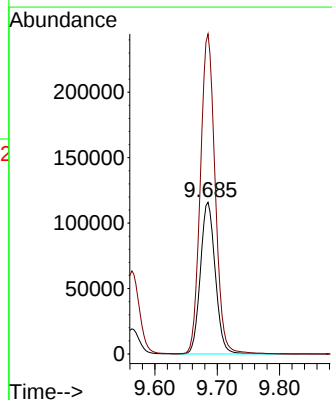
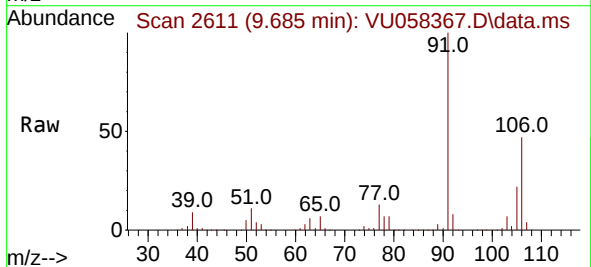
Manual Integrations
APPROVED

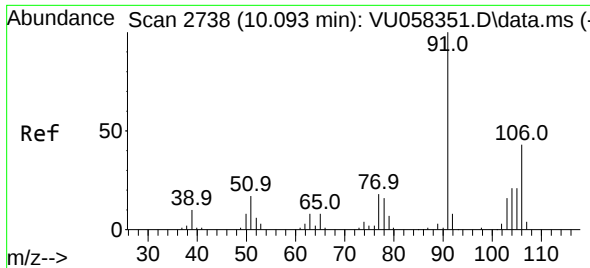
Reviewed By :Mahesh Dadoda 04/05/2024
Supervised By :Semsettin Yesilyurt 04/05/2024



#53
m,p-Xylene
Concen: 24.550 ug/L
RT: 9.685 min Scan# 2611
Delta R.T. -0.003 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

Tgt Ion:106 Resp: 192397
Ion Ratio Lower Upper
106 100
91 211.0 151.0 280.4





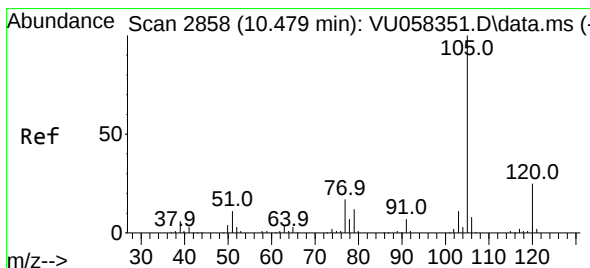
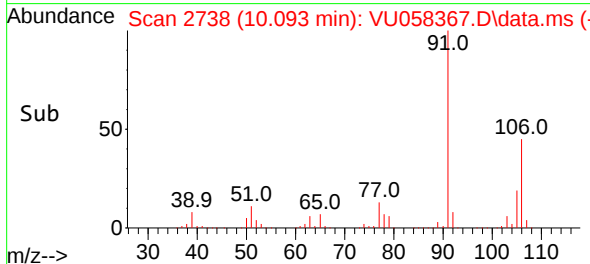
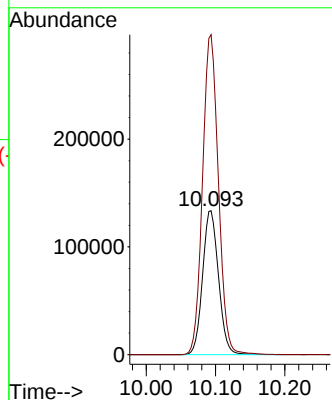
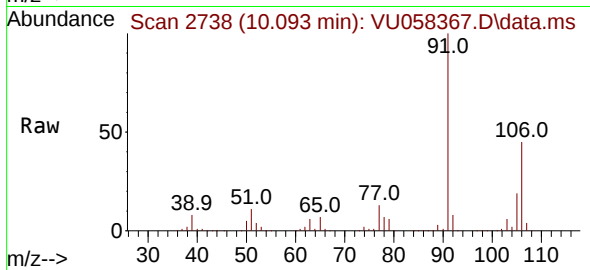
#54
o-Xylene
Concen: 26.919 ug/L
RT: 10.093 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

Instrument :
MSVOA_U
ClientSampleId :
COAM1

Tgt Ion:106 Resp: 21295
Ion Ratio Lower Upper
106 100
91 222.3 154.3 286.7

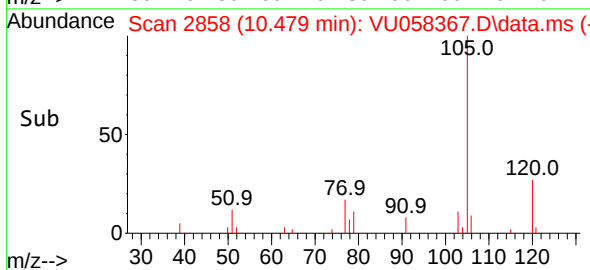
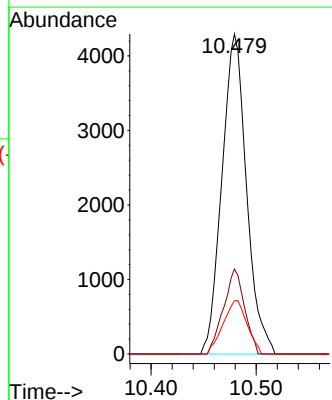
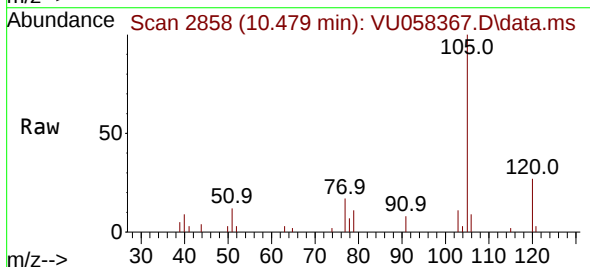
Manual Integrations
APPROVED

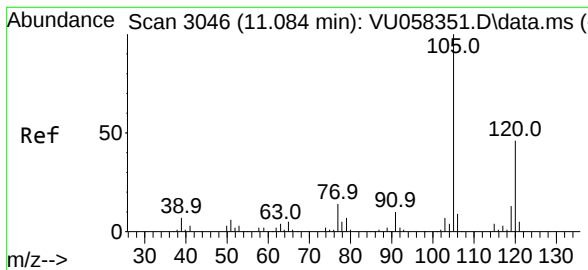
Reviewed By :Mahesh Dadoda 04/05/2024
Supervised By :Semsettin Yesilyurt 04/05/2024



#60
Isopropylbenzene
Concen: 0.322 ug/L m
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

Tgt Ion:105 Resp: 6962
Ion Ratio Lower Upper
105 100
120 162.6 20.5 30.7#
77 99.7 13.2 19.8#





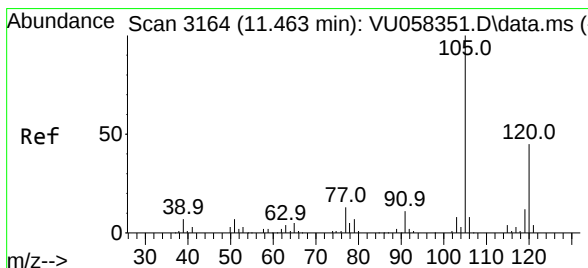
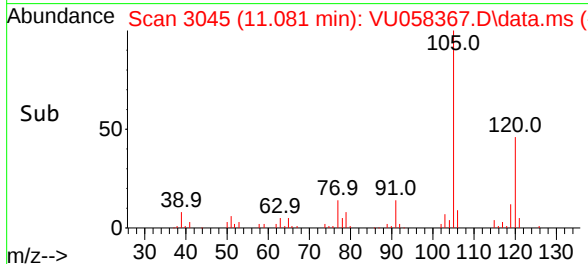
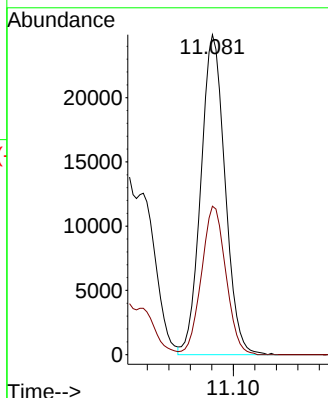
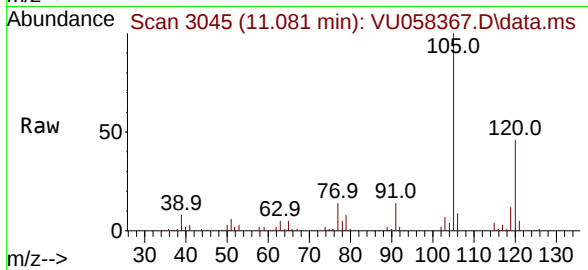
#62
1,3,5-Trimethylbenzene
Concen: 2.145 ug/L
RT: 11.081 min Scan# 3046
Delta R.T. -0.003 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

Instrument :
MSVOA_U
ClientSampleId :
C0AM1

Tgt Ion:105 Resp: 3888
Ion Ratio Lower Upper
105 100
120 46.9 36.7 55.1

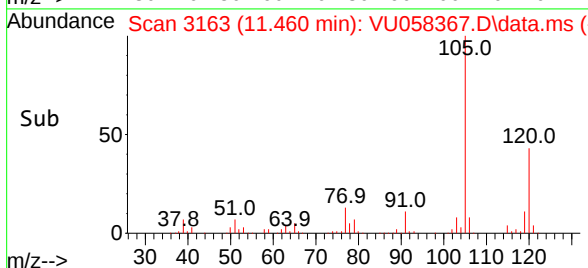
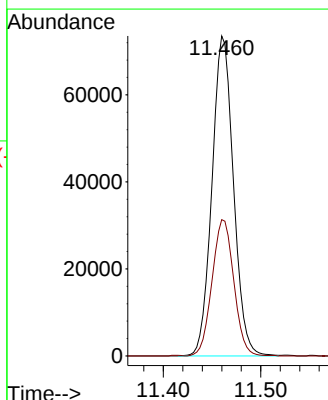
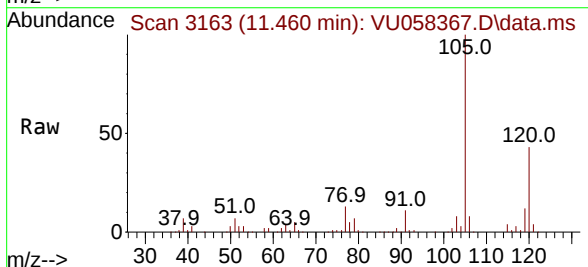
Manual Integrations
APPROVED

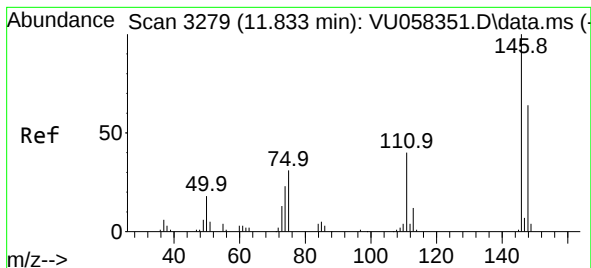
Reviewed By :Mahesh Dadoda 04/05/2024
Supervised By :Semsettin Yesilyurt 04/05/2024



#63
1,2,4-Trimethylbenzene
Concen: 6.257 ug/L
RT: 11.460 min Scan# 3163
Delta R.T. -0.003 min
Lab File: VU058367.D
Acq: 03 Apr 2024 16:31

Tgt Ion:105 Resp: 112633
Ion Ratio Lower Upper
105 100
120 43.1 35.9 53.9





#65

1,4-Dichlorobenzene

Concen: 0.373 ug/L

RT: 11.830 min Scan# 3279

Delta R.T. -0.003 min

Lab File: VU058367.D

Acq: 03 Apr 2024 16:31

Instrument :

MSVOA_U

ClientSampleId :

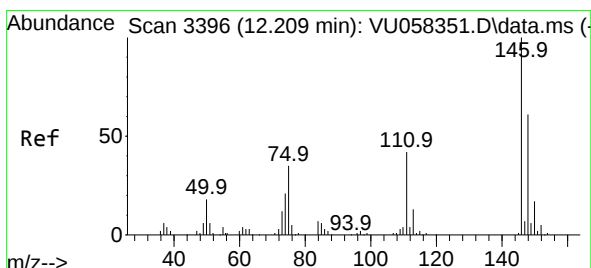
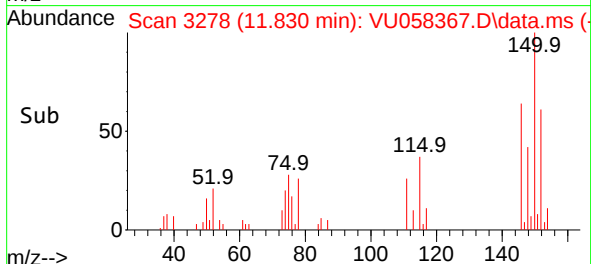
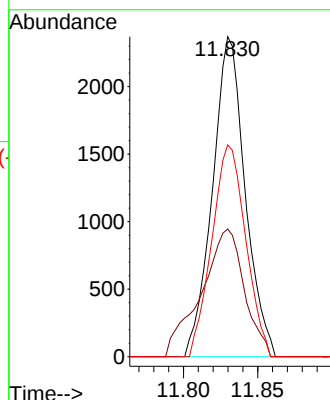
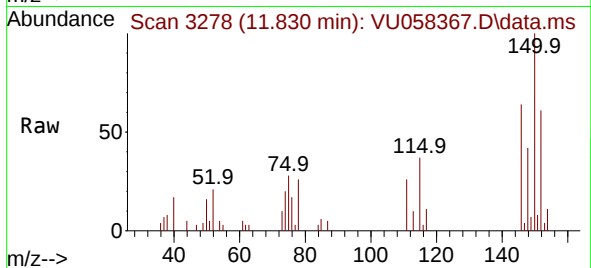
C0AM1

Tgt Ion:146	Resp:	3628
Ion Ratio	Lower	Upper
146	100	
111	39.9	29.0 53.8
148	66.2	44.5 82.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 04/05/2024
Supervised By :Semsettin Yesilyurt 04/05/2024



#67

1,2-Dichlorobenzene

Concen: 3.040 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.003 min

Lab File: VU058367.D

Acq: 03 Apr 2024 16:31

Tgt Ion:146	Resp:	28280
Ion Ratio	Lower	Upper
146	100	
111	40.8	35.9 53.9
148	62.2	52.4 78.6

