

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042823\
 Data File : VU053958.D
 Acq On : 28 Apr 2023 00:30
 Operator : JC/MD
 Sample : 02528-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA37

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/01/2023
 Supervised By :Mahesh Dadoda 05/01/2023

Quant Time: Apr 28 07:22:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR042423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 27 05:52:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	139924	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	133381	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	66579	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	29114	3.416	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	68.400%		
7) Chloroethane-d5	1.912	69	26811	3.748	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	75.000%		
11) 1,1-Dichloroethene-d2	2.565	65	13816	3.939	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	78.800%		
20) 2-Butanone-d5	4.636	46	79171	50.718	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	101.440%		
24) Chloroform-d	5.057	84	83070	5.172	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	103.400%		
26) 1,2-Dichloroethane-d4	5.700	65	33138	4.465	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	89.200%		
32) Benzene-d6	5.726	84	136825	4.355	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	87.000%		
36) 1,2-Dichloropropane-d6	6.687	67	43781	4.606	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	92.200%		
41) Toluene-d8	7.896	98	120699	4.116	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	82.400%		
43) trans-1,3-Dichloroprop...	8.179	79	15178	4.060	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	81.200%		
46) 2-Hexanone-d5	8.629	63	68909	52.084	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	104.160%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	35277	4.592	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	91.800%		
66) 1,2-Dichlorobenzene-d4	12.189	152	46240	4.330	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	86.600%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	6303	0.632	ug/L #	42
12) 1,1-Dichloroethene	2.578	96	2107640	239.475	ug/L #	76
16) Methylene chloride	3.044	84	6254	0.521	ug/L	82
18) trans-1,2-Dichloroethene	3.353	96	1413	0.159	ug/L	91
19) 1,1-Dichloroethane	3.864	63	127991	7.952	ug/L	99
22) cis-1,2-Dichloroethene	4.662	96	99568	9.924	ug/L	98
25) Chloroform	5.083	83	320295	18.324	ug/L	100
29) 1,1,1-Trichloroethane	5.311	97	624005	41.616	ug/L	98
31) Carbon tetrachloride	5.523	117	15072	1.156	ug/L	94
33) Benzene	5.771	78	40808	1.085	ug/L	100
34) Trichloroethene	6.539	95	6457861	630.336	ug/L	98
45) 1,1,2-Trichloroethane	8.401	97	4856m	0.695	ug/L	
47) Tetrachloroethene	8.562	164	27061583m	3332.624	ug/L	
54) o-Xylene	10.092	106	2298	0.142	ug/L	86
64) 1,3-Dichlorobenzene	11.742	146	39378	1.968	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	19965	0.988	ug/L	99
67) 1,2-Dichlorobenzene	12.208	146	53711	2.907	ug/L	98

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

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

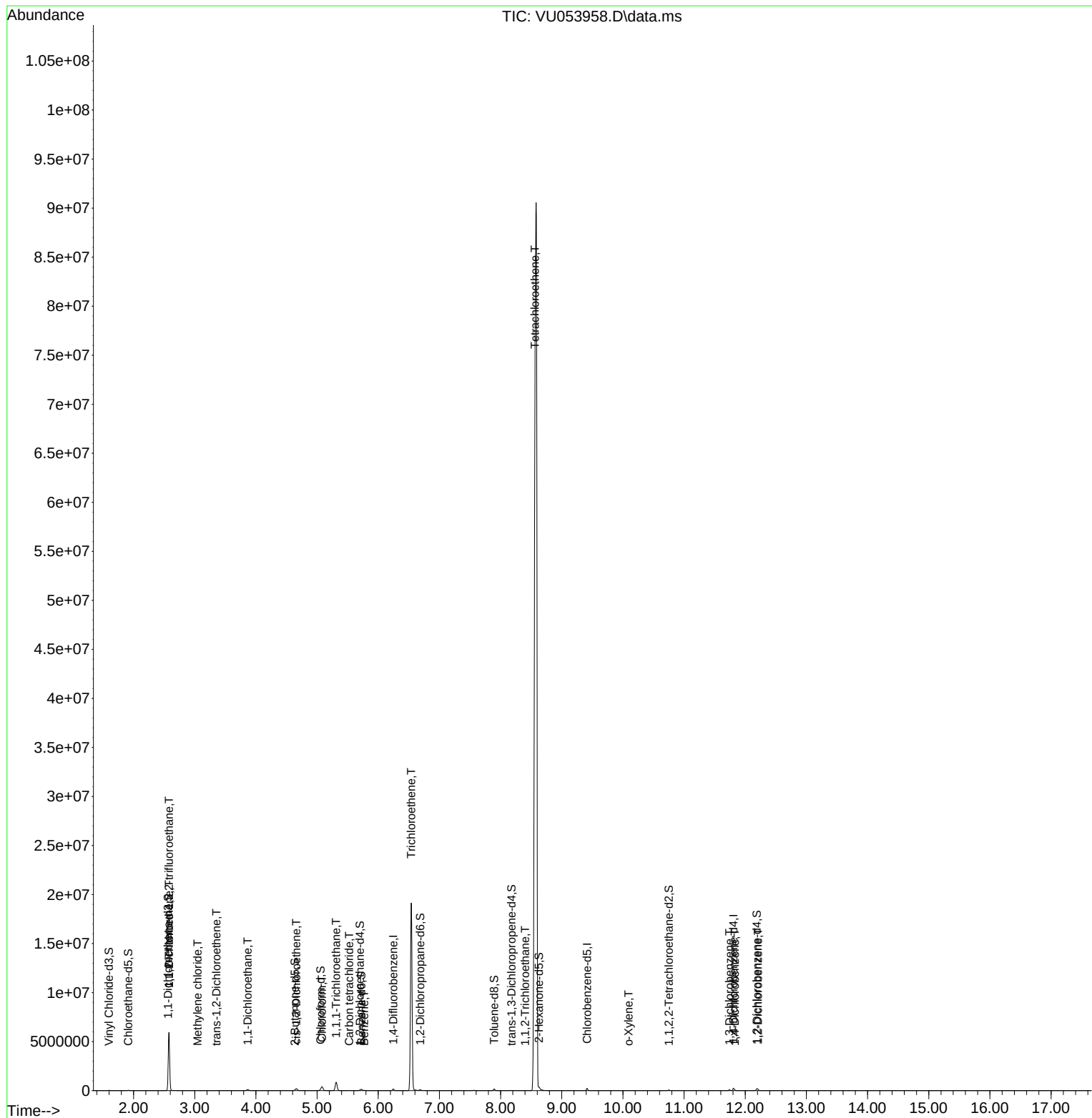
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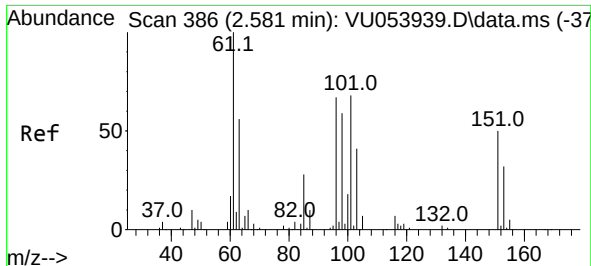
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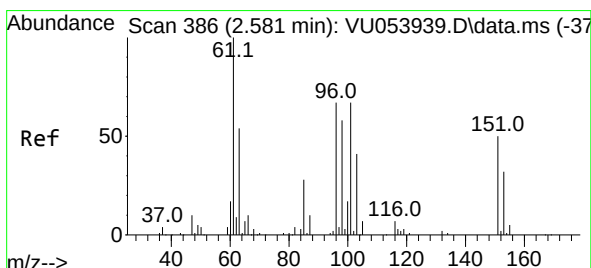
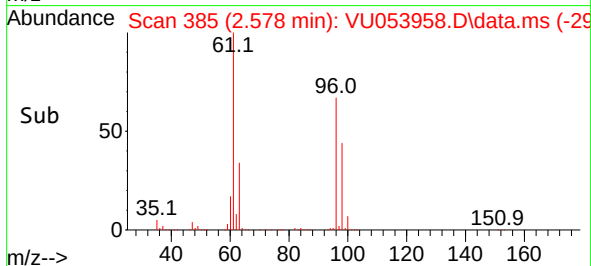
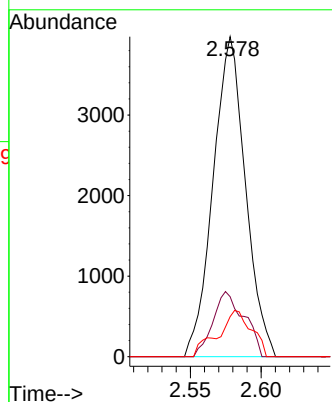
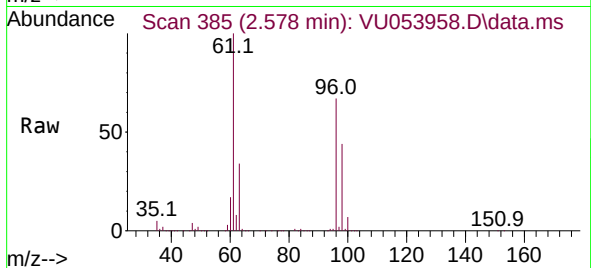
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.632 ug/L
RT: 2.578 min Scan# 385
Delta R.T. -0.003 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

Instrument :
MSVOA_U
ClientSampleId :
HOA37

Tgt Ion:101 Resp: 630
Ion Ratio Lower Upper
101 100
85 19.6 34.7 52.1
151 15.0 59.1 88.7

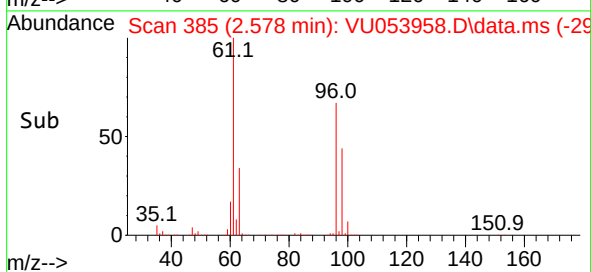
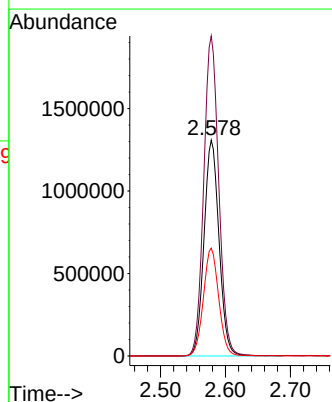
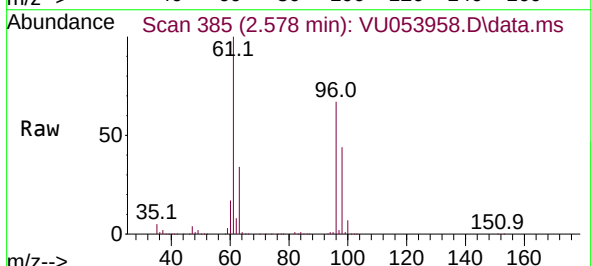
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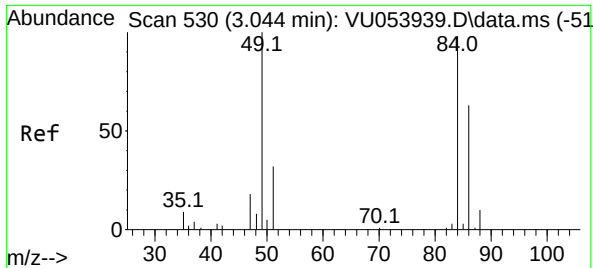
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#12
1,1-Dichloroethene
Concen: 239.475 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

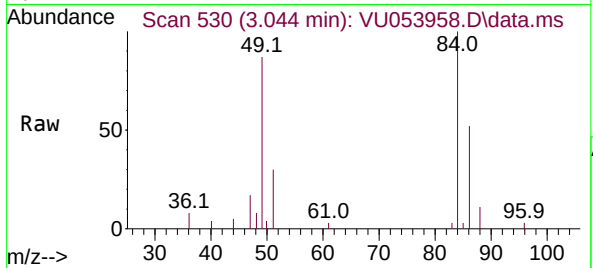
Tgt Ion: 96 Resp: 2107640
Ion Ratio Lower Upper
96 100
61 148.2 111.5 207.1
63 50.0 68.7 127.7





#16
Methylene chloride
Concen: 0.521 ug/L
RT: 3.044 min Scan# 51
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

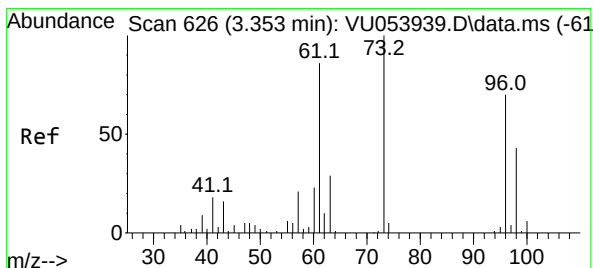
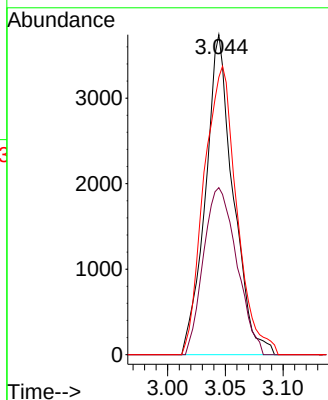
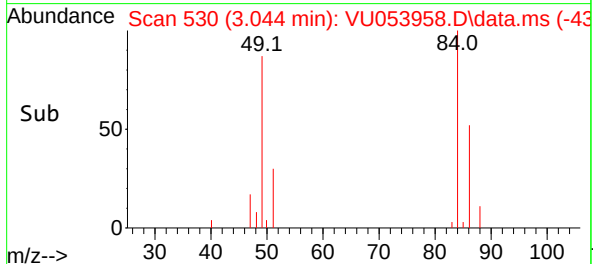
Instrument :
MSVOA_U
ClientSampleId :
HOA37



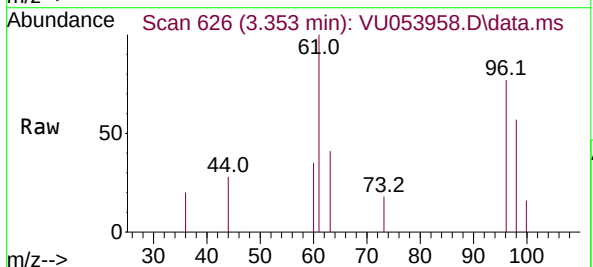
Tgt Ion: 84 Resp: 6254
Ion Ratio Lower Upper
84 100
86 52.2 45.0 83.6
49 86.7 74.8 138.8

Manual Integrations
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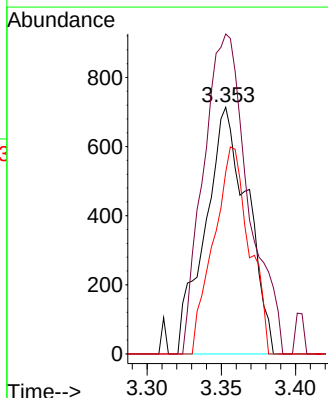
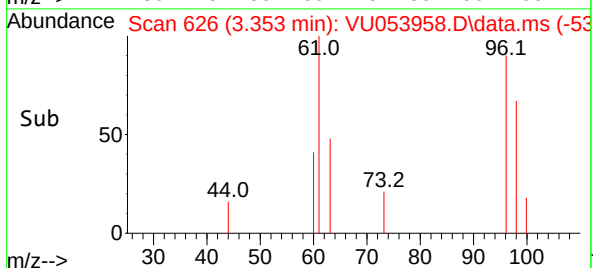
Reviewed By :Krupa Patel 05/01/2023
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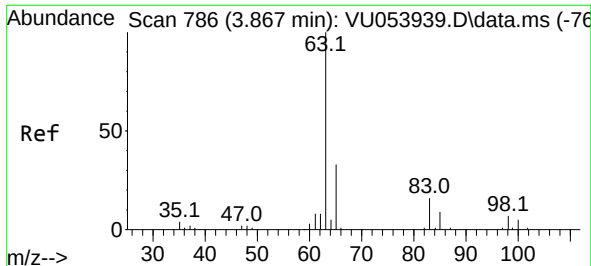


#18
trans-1,2-Dichloroethene
Concen: 0.159 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30



Tgt Ion: 96 Resp: 1413
Ion Ratio Lower Upper
96 100
61 129.7 86.2 160.0
98 73.7 42.8 79.4





#19

1,1-Dichloroethane

Concen: 7.952 ug/L

RT: 3.864 min Scan# 71

Delta R.T. 0.000 min

Lab File: VU053958.D

Acq: 28 Apr 2023 00:30

Instrument :

MSVOA_U

ClientSampleId :

HOA37

Tgt Ion: 63 Resp: 12799

Ion Ratio Lower Upper

63 100

65 32.3 22.0 40.8

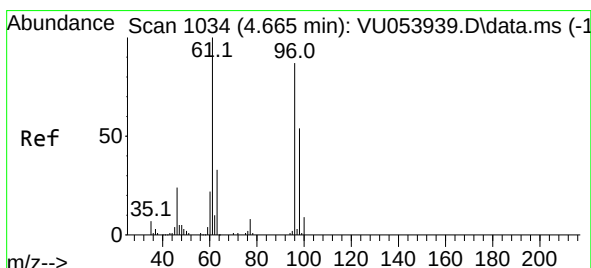
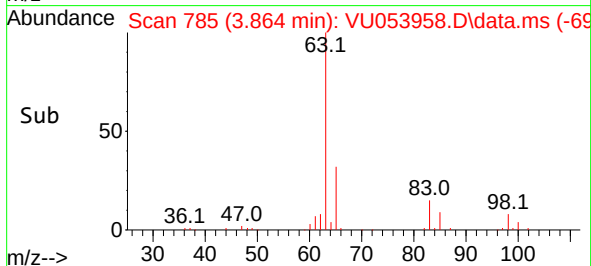
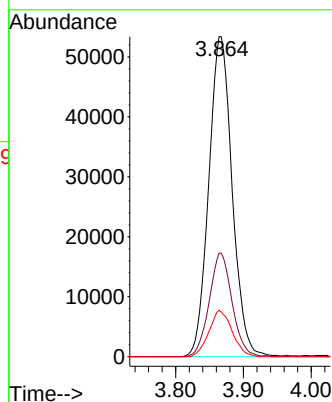
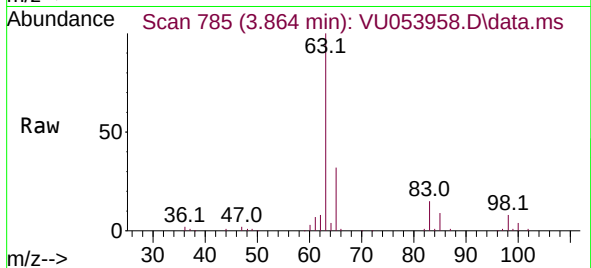
83 14.5 10.3 19.1

Manual Integrations

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Supervised By :Mahesh Dadoda 05/01/2023



#22

cis-1,2-Dichloroethene

Concen: 9.924 ug/L

RT: 4.662 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053958.D

Acq: 28 Apr 2023 00:30

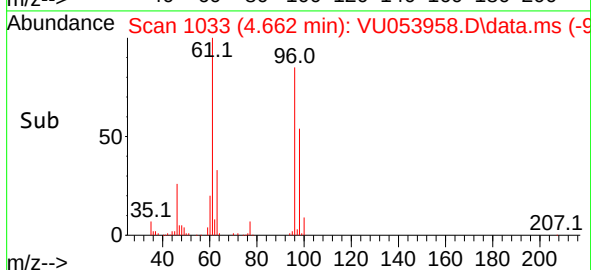
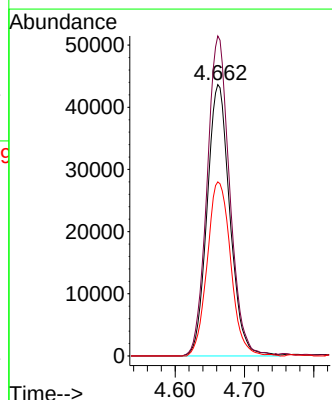
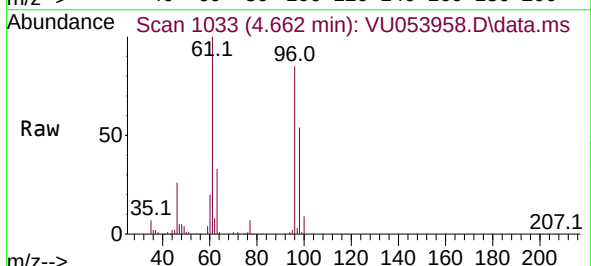
Tgt Ion: 96 Resp: 99568

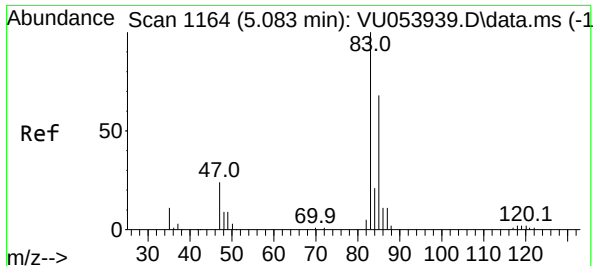
Ion Ratio Lower Upper

96 100

61 117.9 84.3 156.5

98 64.1 46.4 86.2





#25

Chloroform

Concen: 18.324 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.003 min

Lab File: VU053958.D

Acq: 28 Apr 2023 00:30

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MSVOA_U

ClientSampleId :

HOA37

Tgt Ion: 83 Resp: 32029

Ion Ratio Lower Upper

83 100

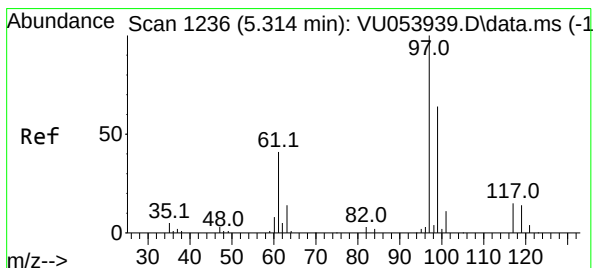
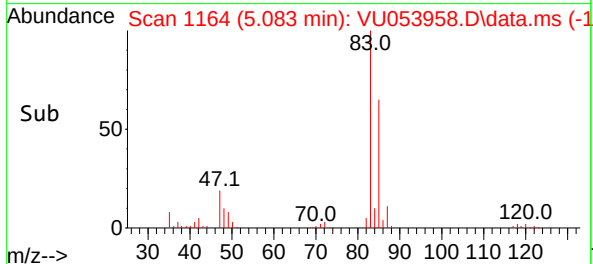
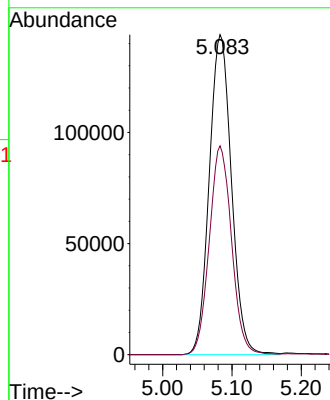
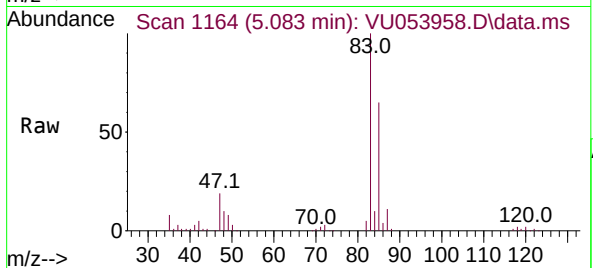
85 65.3 45.6 84.8

Manual Integrations

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Supervised By :Mahesh Dadoda 05/01/2023



#29

1,1,1-Trichloroethane

Concen: 41.616 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU053958.D

Acq: 28 Apr 2023 00:30

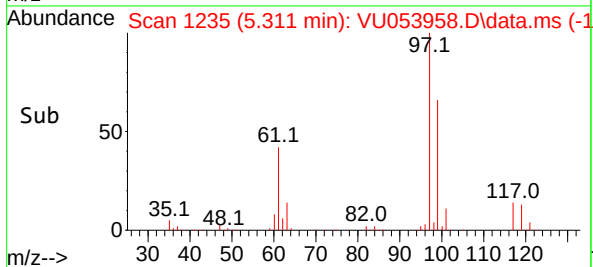
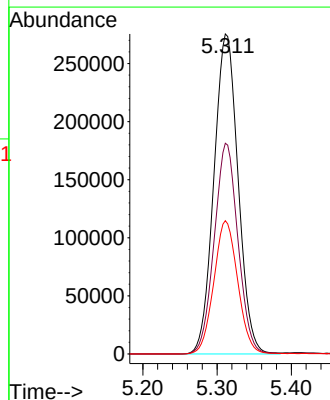
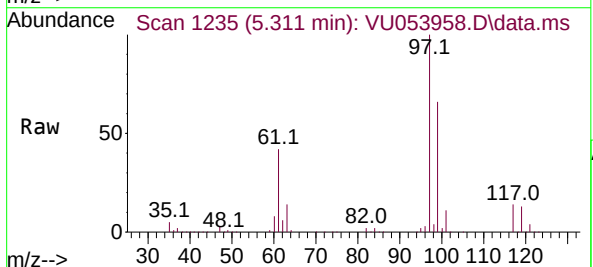
Tgt Ion: 97 Resp: 624005

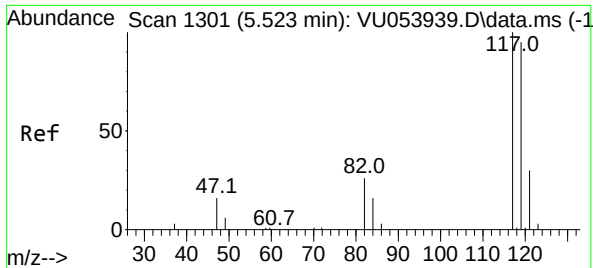
Ion Ratio Lower Upper

97 100

99 64.6 52.9 79.3

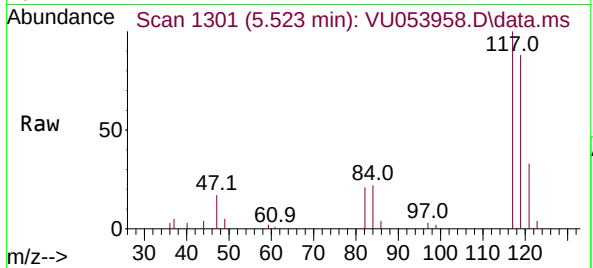
61 41.1 33.8 50.8





#31
Carbon tetrachloride
Concen: 1.156 ug/L
RT: 5.523 min Scan# 1170
Delta R.T. 0.003 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

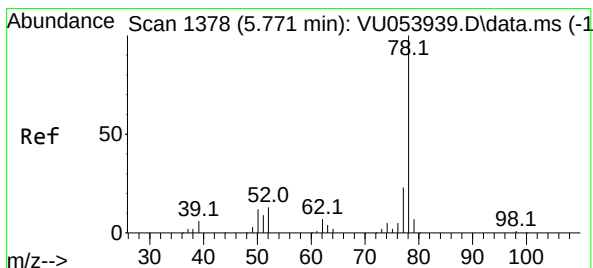
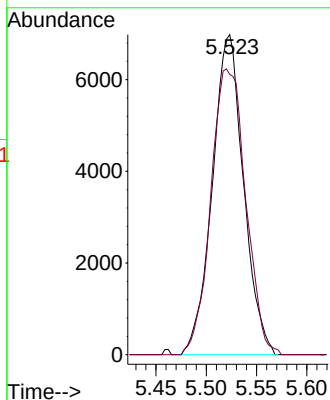
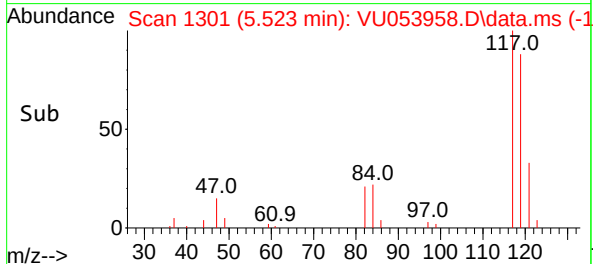
Instrument :
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Tgt Ion:117 Resp: 15072
Ion Ratio Lower Upper
117 100
119 99.6 75.0 112.6

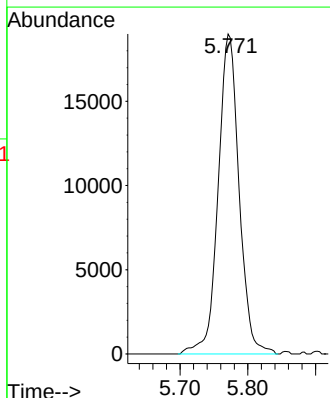
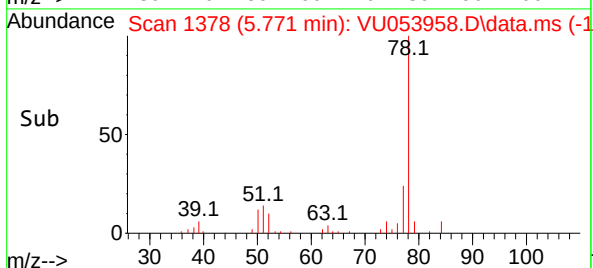
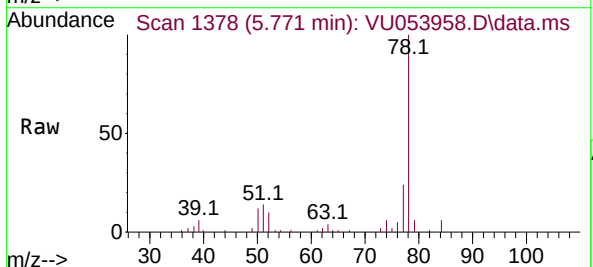
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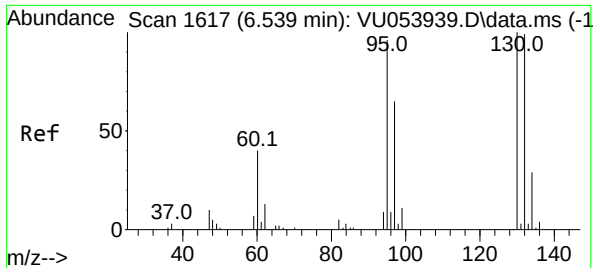
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#33
Benzene
Concen: 1.085 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

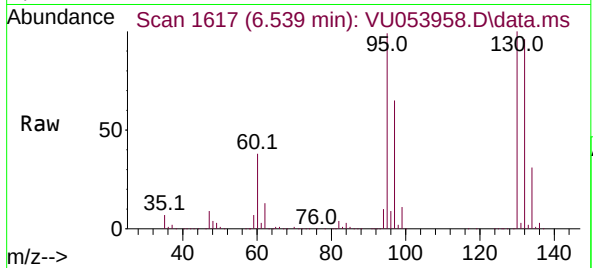
Tgt Ion: 78 Resp: 40808





#34
Trichloroethene
Concen: 630.336 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

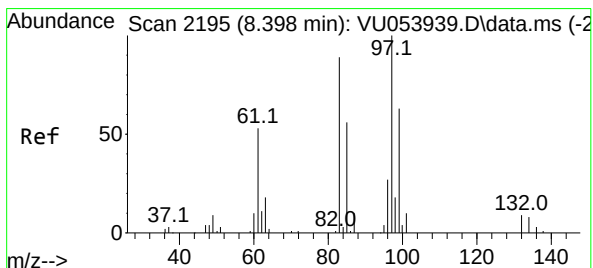
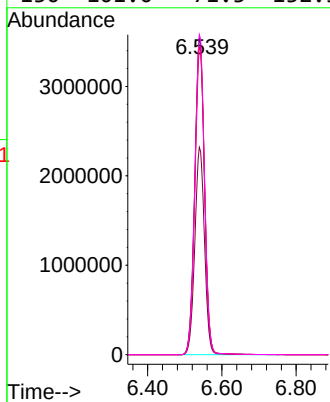
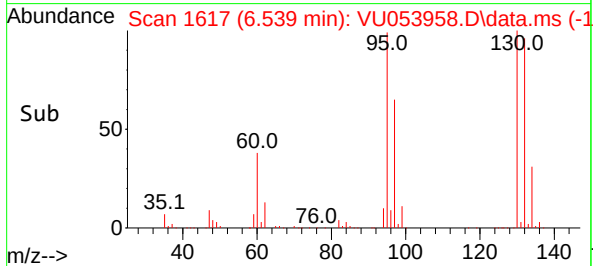
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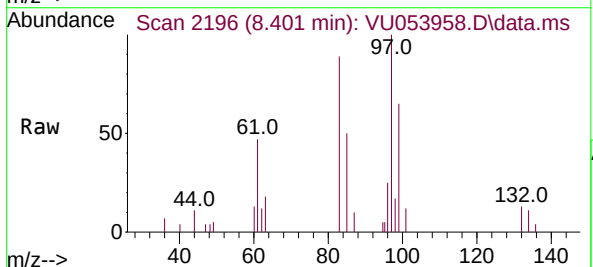
Tgt Ion: 95 Resp: 645786
Ion Ratio Lower Upper
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130 101.0 71.3 132.3

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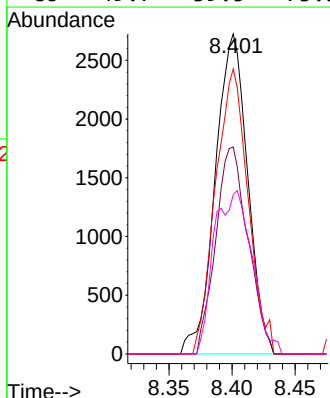
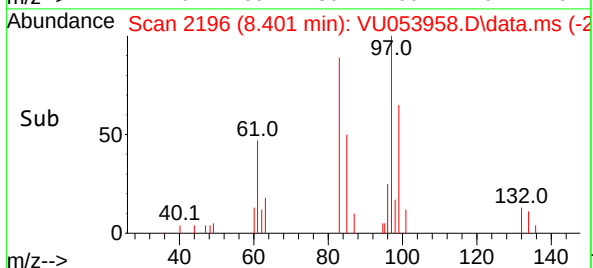
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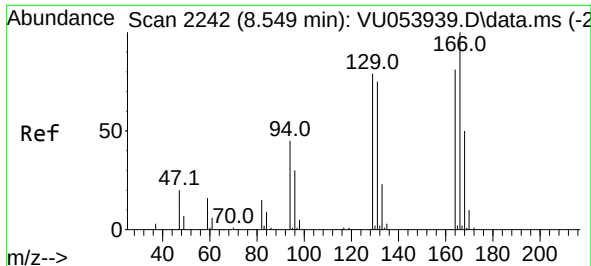


#45
1,1,2-Trichloroethane
Concen: 0.695 ug/L m
RT: 8.401 min Scan# 2196
Delta R.T. 0.007 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30



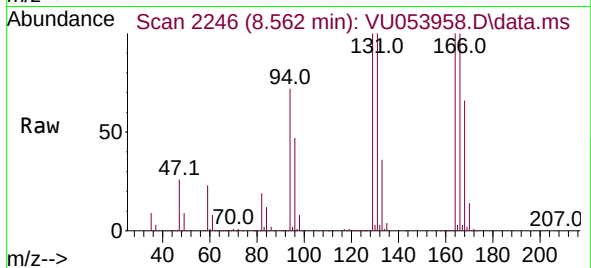
Tgt Ion: 97 Resp: 4856
Ion Ratio Lower Upper
97 100
99 64.6 44.7 83.1
83 89.0 59.8 111.1
85 49.7 39.5 73.3





#47
Tetrachloroethene
Concen: 3332.624 ug/L m
RT: 8.562 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

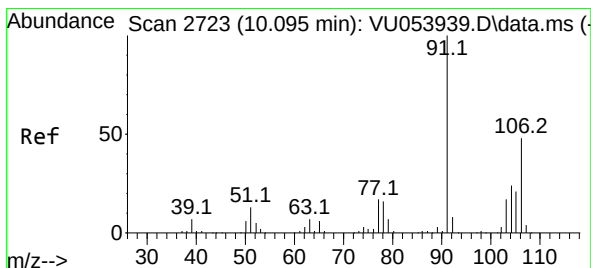
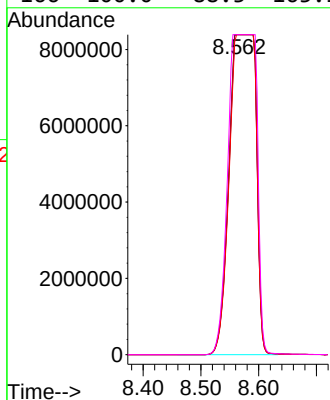
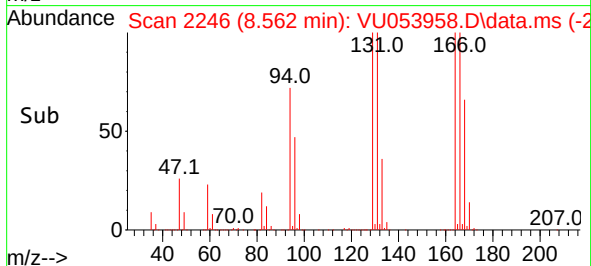
Instrument :
MSVOA_U
ClientSampleId :
HOA37



Tgt Ion:164 Resp:2706158
Ion Ratio Lower Upper
164 100
129 100.0 68.3 126.8
131 100.0 64.4 119.6
166 100.0 88.3 163.9

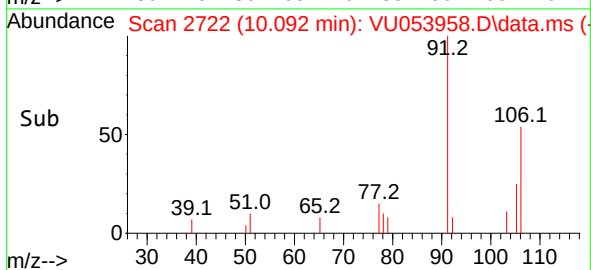
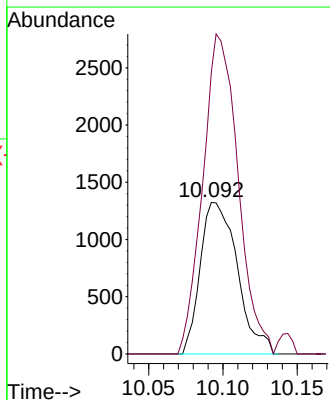
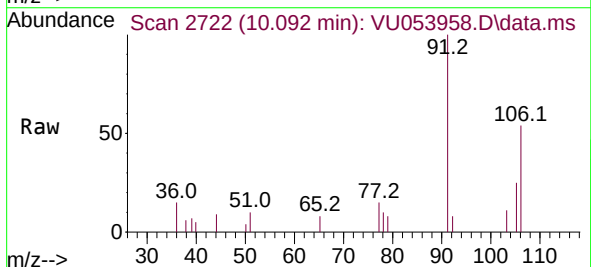
Manual Integrations
APPROVED

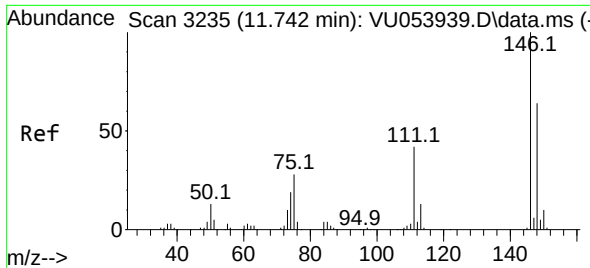
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023



#54
o-Xylene
Concen: 0.142 ug/L
RT: 10.092 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

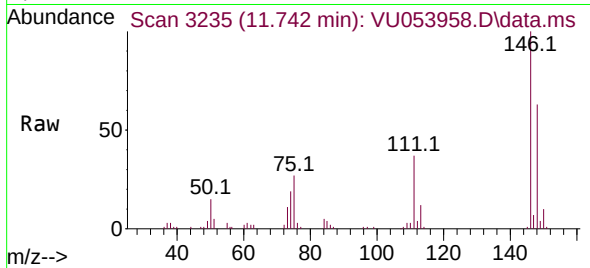
Tgt Ion:106 Resp: 2298
Ion Ratio Lower Upper
106 100
91 186.1 145.5 270.1





#64
1,3-Dichlorobenzene
Concen: 1.968 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30

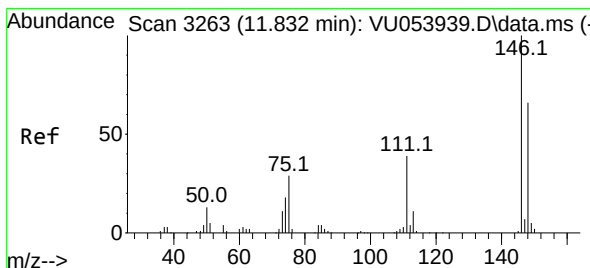
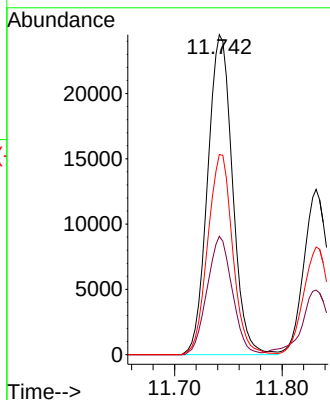
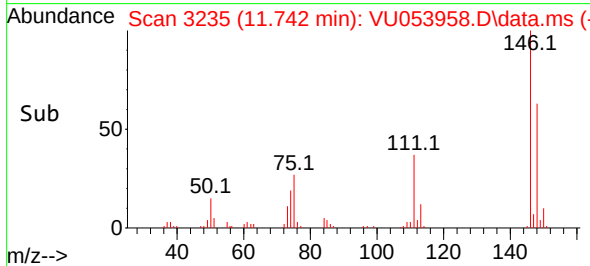
Instrument :
MSVOA_U
ClientSampleId :
HOA37



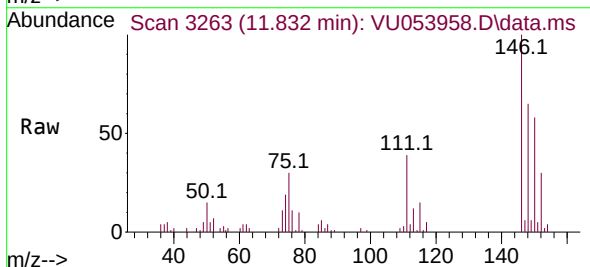
Tgt Ion:146 Resp: 39378
Ion Ratio Lower Upper
146 100
111 37.0 27.9 51.9
148 62.6 43.7 81.1

Manual Integrations
APPROVED

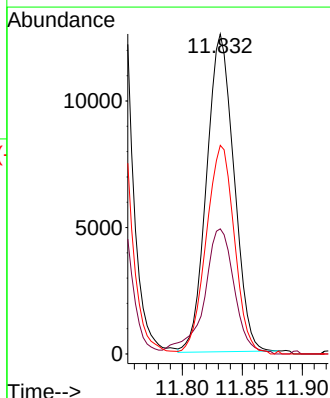
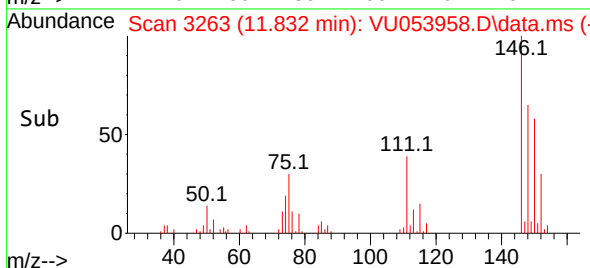
Reviewed By :Krupa Patel 05/01/2023
Supervised By :Mahesh Dadoda 05/01/2023

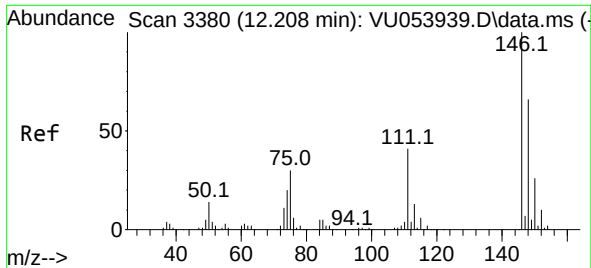


#65
1,4-Dichlorobenzene
Concen: 0.988 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053958.D
Acq: 28 Apr 2023 00:30



Tgt Ion:146 Resp: 19965
Ion Ratio Lower Upper
146 100
111 39.1 28.3 52.7
148 65.2 45.4 84.2





#67

1,2-Dichlorobenzene

Concen: 2.907 ug/L

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU053958.D

Acq: 28 Apr 2023 00:30

Instrument :

MSVOA_U

ClientSampleId :

HOA37

Tgt Ion:146 Resp: 5371

Ion Ratio Lower Upper

146 100

111 42.1 32.6 49.0

148 65.6 51.0 76.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/01/2023

Supervised By :Mahesh Dadoda 05/01/2023

