

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062923\
 Data File : VU054695.D
 Acq On : 29 Jun 2023 15:10
 Operator : MD/SY
 Sample : 03477-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA41

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/30/2023
 Supervised By :Mahesh Dadoda 06/30/2023

Quant Time: Jun 30 05:19:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 23 23:55:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	324374	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	324749	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	151654	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	86719	4.201	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.000%
7) Chloroethane-d5	1.911	69	77216	3.995	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.000%
11) 1,1-Dichloroethene-d2	2.563	65	36349	3.942	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.800%
20) 2-Butanone-d5	4.628	46	247233	42.596	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.200%
24) Chloroform-d	5.058	84	168209	3.898	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.000%
26) 1,2-Dichloroethane-d4	5.698	65	82127	3.904	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.000%
32) Benzene-d6	5.724	84	316438	3.505	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	70.200%
36) 1,2-Dichloropropane-d6	6.689	67	108223	3.590	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	71.800%
41) Toluene-d8	7.897	98	273667	3.416	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.400%#
43) trans-1,3-Dichloroprop...	8.180	79	39391	3.757	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.200%
46) 2-Hexanone-d5	8.631	63	175925	39.998	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.000%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	82932	3.689	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	73.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	102008	3.988	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.800%#
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	7332	0.285	ug/L #	42
12) 1,1-Dichloroethene	2.576	96	2139805	90.951	ug/L #	85
14) Carbon disulfide	2.788	76	8403	0.120	ug/L	98
19) 1,1-Dichloroethane	3.865	63	49881	0.992	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	75824	2.741	ug/L	99
25) Chloroform	5.084	83	170380	3.438	ug/L	98
27) 1,2-Dichloroethane	5.798	62	3843	0.132	ug/L #	94
29) 1,1,1-Trichloroethane	5.312	97	258162	5.862	ug/L	98
31) Carbon tetrachloride	5.521	117	116248	3.064	ug/L	99
33) Benzene	5.772	78	42665	0.366	ug/L	100
34) Trichloroethene	6.541	95	7812085	253.122	ug/L	94
38) Bromodichloromethane	7.103	83	12448	0.348	ug/L	97
45) 1,1,2-Trichloroethane	8.402	97	6509m	0.324	ug/L	
47) Tetrachloroethene	8.553	164	26659772m	1128.473	ug/L	
64) 1,3-Dichlorobenzene	11.743	146	13520	0.261	ug/L	95
65) 1,4-Dichlorobenzene	11.836	146	10618	0.204	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	13411	0.281	ug/L	91

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

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

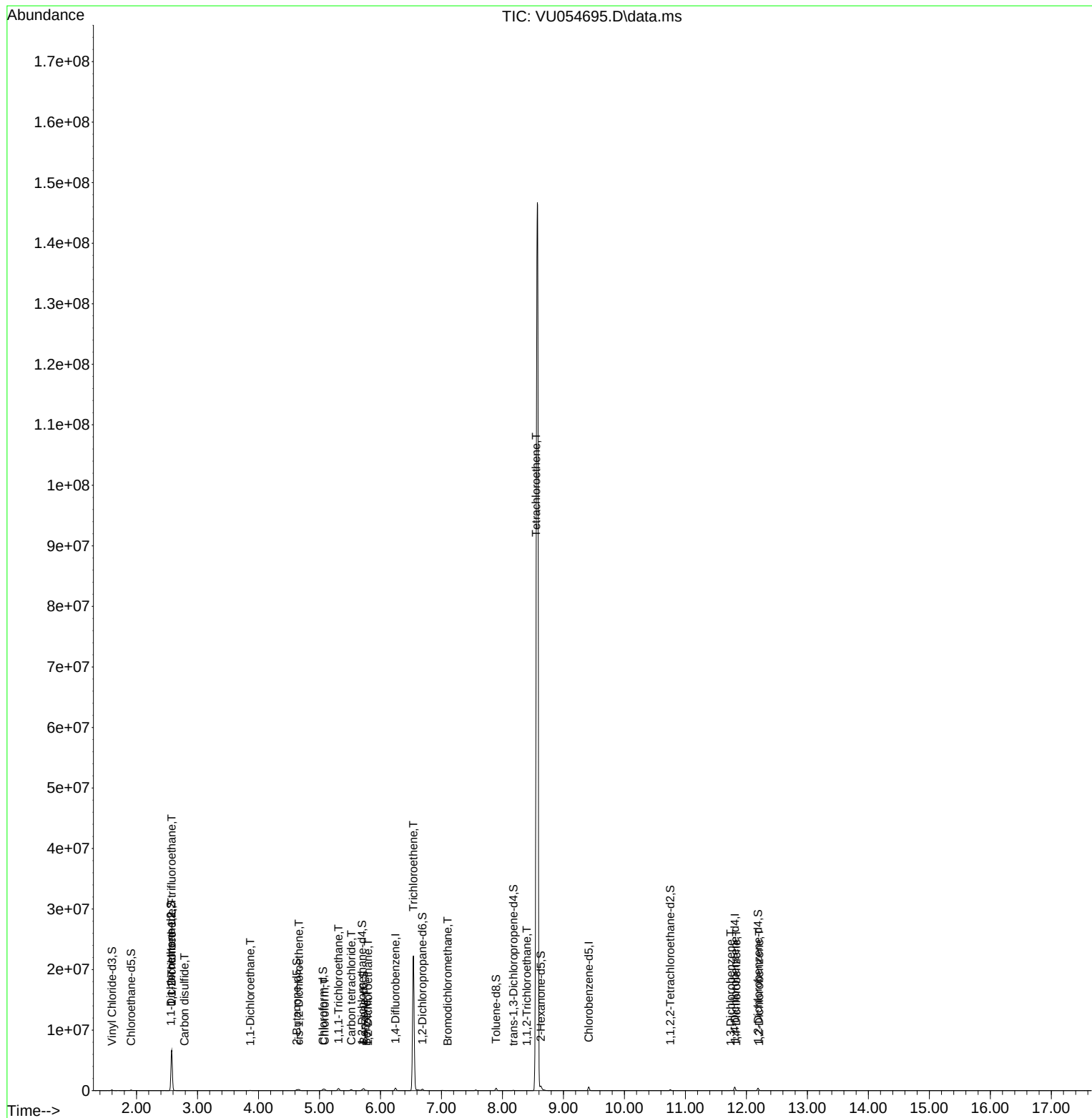
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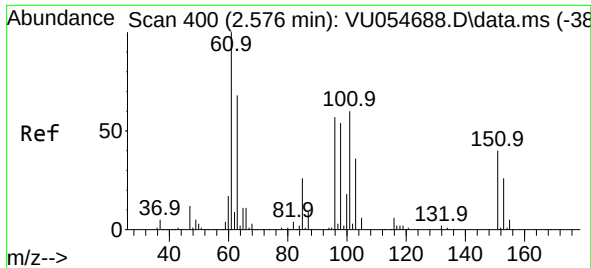
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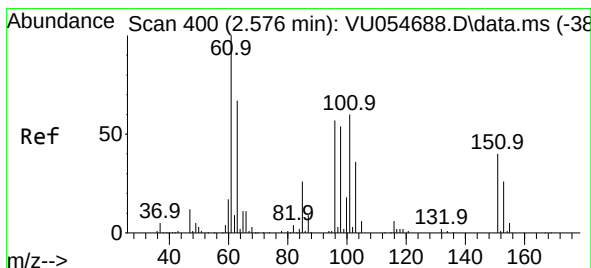
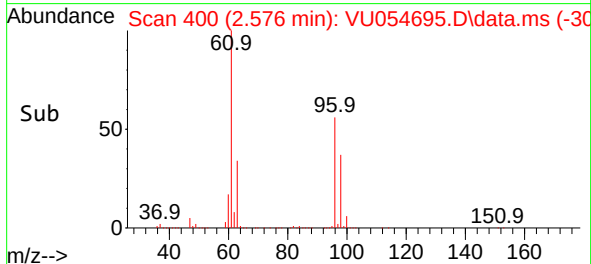
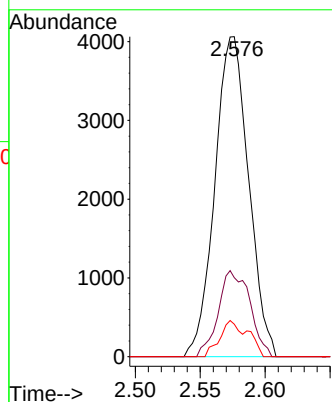
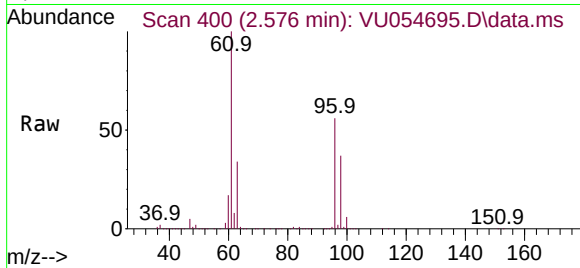
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.285 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU054695.D
Acq: 29 Jun 2023 15:10

Instrument :
MSVOA_U
ClientSampleId :
HOA41

Tgt Ion:101 Resp: 733
Ion Ratio Lower Upper
101 100
85 25.2 34.6 51.8
151 9.3 57.7 86.5

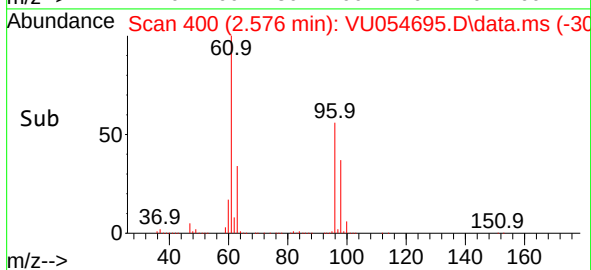
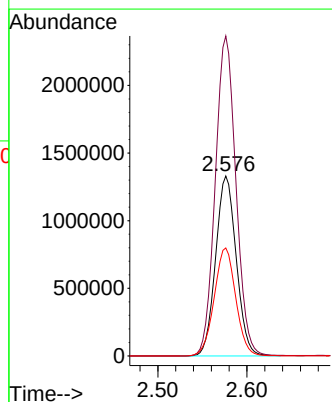
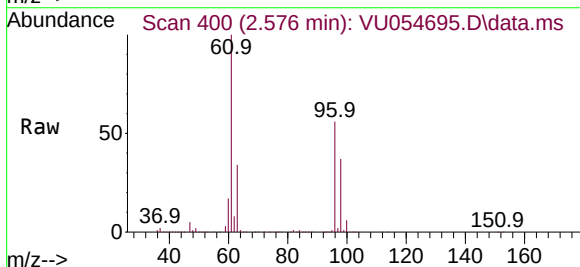
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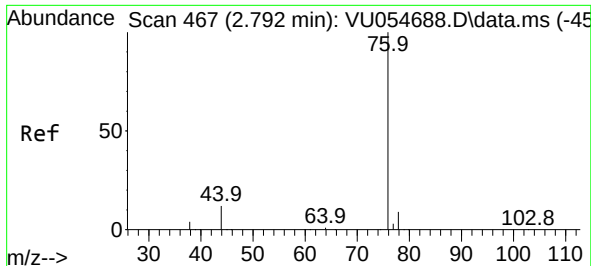
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#12
1,1-Dichloroethene
Concen: 90.951 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU054695.D
Acq: 29 Jun 2023 15:10

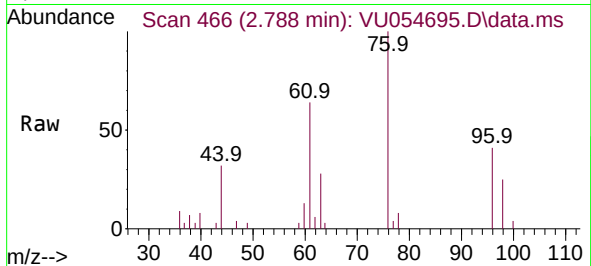
Tgt Ion: 96 Resp: 2139805
Ion Ratio Lower Upper
96 100
61 177.7 119.9 222.7
63 60.0 64.3 119.3





#14
Carbon disulfide
Concen: 0.120 ug/L
RT: 2.788 min Scan# 466
Delta R.T. -0.003 min
Lab File: VU054695.D
Acq: 29 Jun 2023 15:10

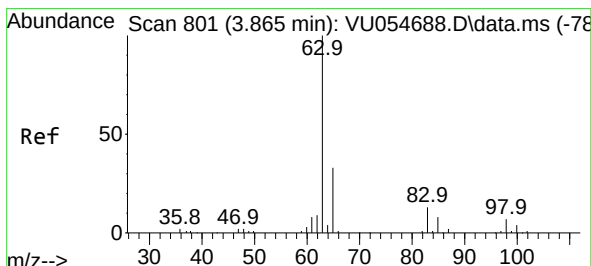
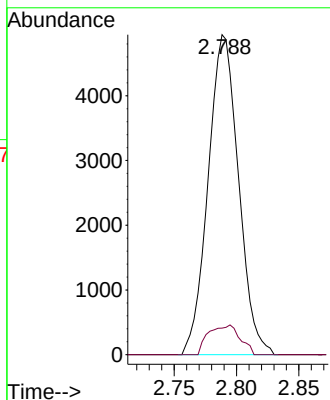
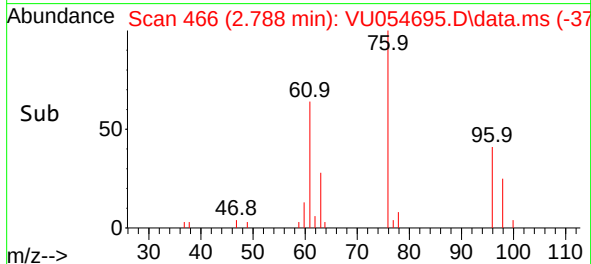
Instrument :
MSVOA_U
ClientSampleId :
HOA41



Tgt Ion: 76 Resp: 840
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0

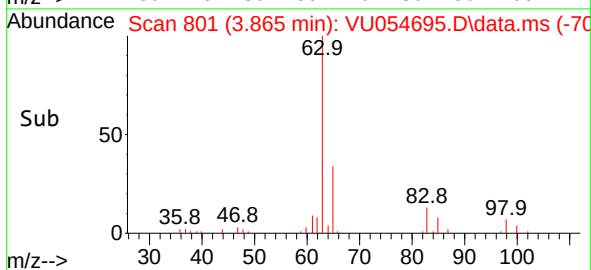
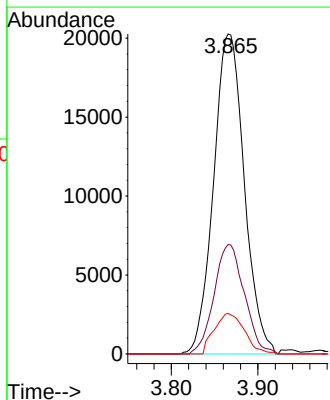
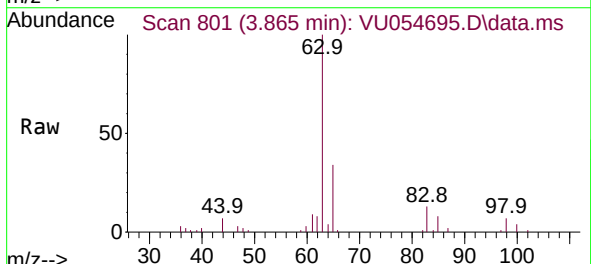
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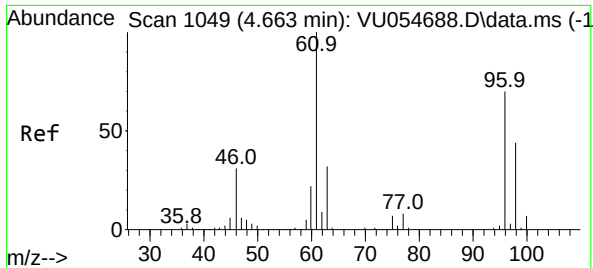
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#19
1,1-Dichloroethane
Concen: 0.992 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU054695.D
Acq: 29 Jun 2023 15:10

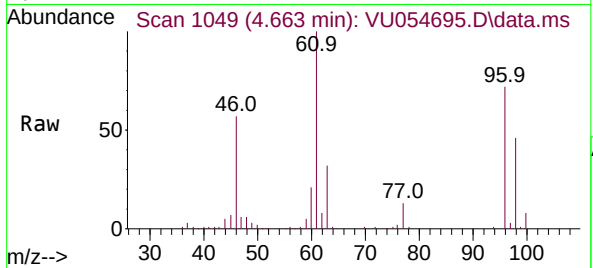
Tgt Ion: 63 Resp: 49881
Ion Ratio Lower Upper
63 100
65 34.9 22.2 41.2
83 12.7 9.0 16.6





#22
cis-1,2-Dichloroethene
Concen: 2.741 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. -0.000 min
Lab File: VU054695.D
Acq: 29 Jun 2023 15:10

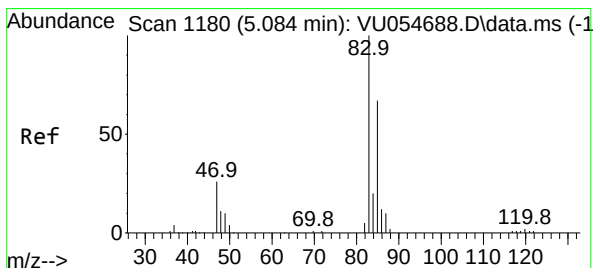
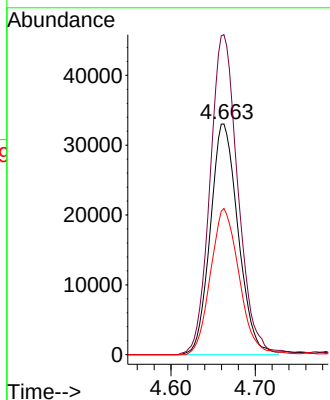
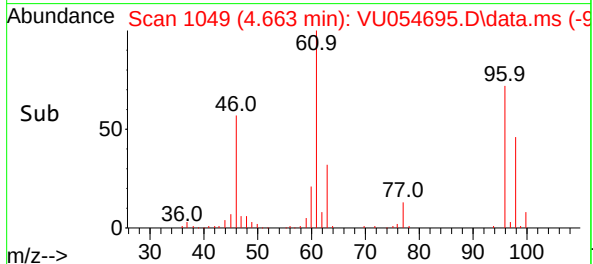
Instrument :
MSVOA_U
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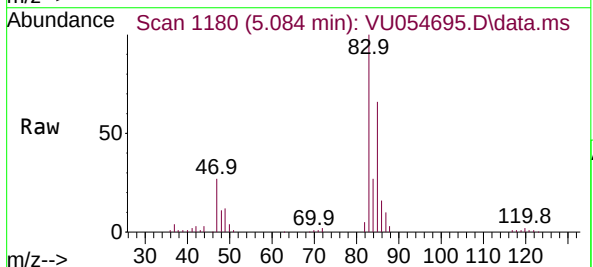
Tgt Ion: 96 Resp: 75824
Ion Ratio Lower Upper
96 100
61 138.7 96.5 179.1
98 63.4 44.9 83.3

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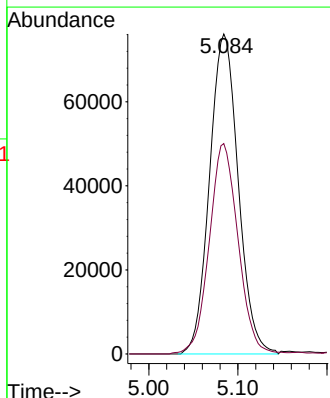
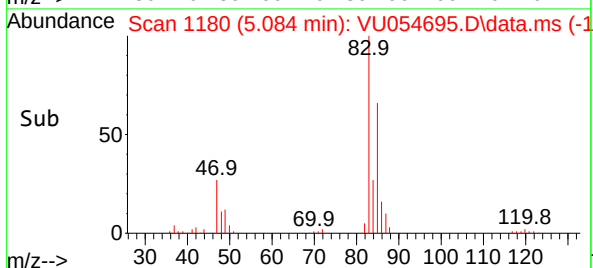
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023

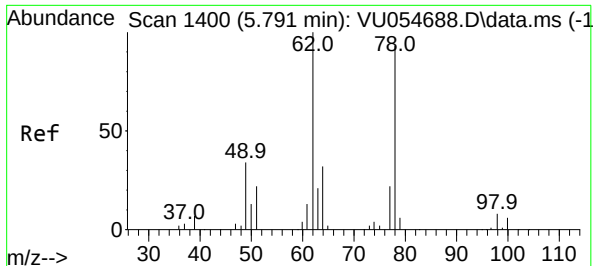


#25
Chloroform
Concen: 3.438 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VU054695.D
Acq: 29 Jun 2023 15:10



Tgt Ion: 83 Resp: 170380
Ion Ratio Lower Upper
83 100
85 65.7 44.7 82.9





#27

1,2-Dichloroethane

Concen: 0.132 ug/L

RT: 5.798 min Scan# 1400

Delta R.T. 0.010 min

Lab File: VU054695.D

Acq: 29 Jun 2023 15:10

Instrument :

MSVOA_U

ClientSampleId :

HOA41

Tgt Ion: 62 Resp: 384

Ion Ratio Lower Upper

62 100

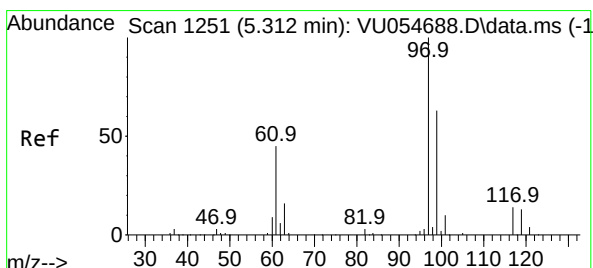
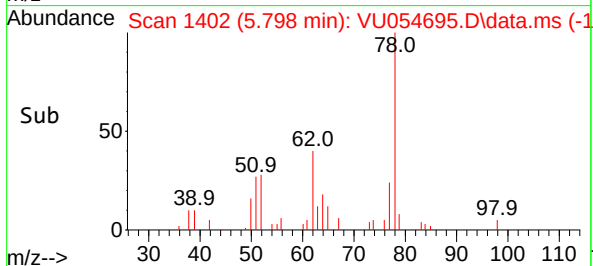
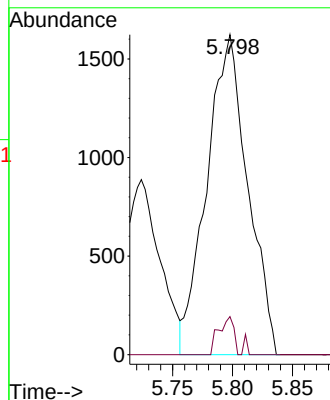
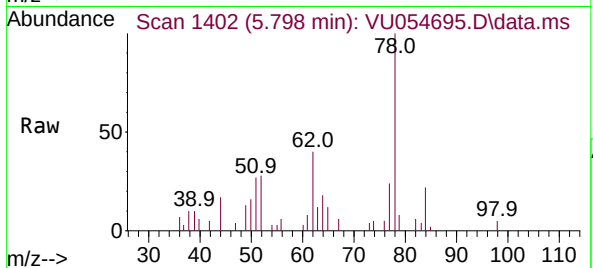
98 11.9 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 06/30/2023

Supervised By :Mahesh Dadoda 06/30/2023



#29

1,1,1-Trichloroethane

Concen: 5.862 ug/L

RT: 5.312 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VU054695.D

Acq: 29 Jun 2023 15:10

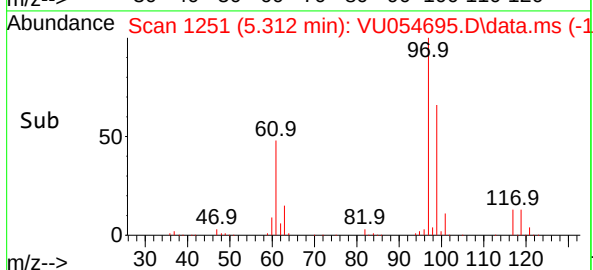
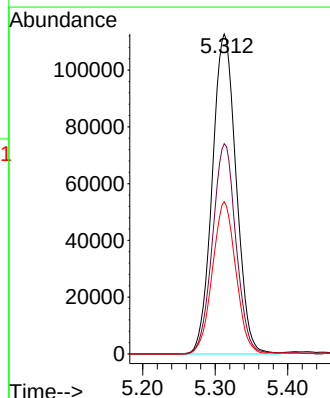
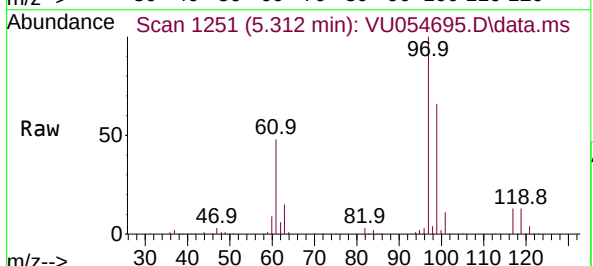
Tgt Ion: 97 Resp: 258162

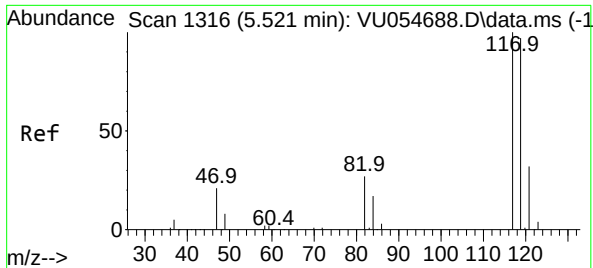
Ion Ratio Lower Upper

97 100

99 64.8 50.8 76.2

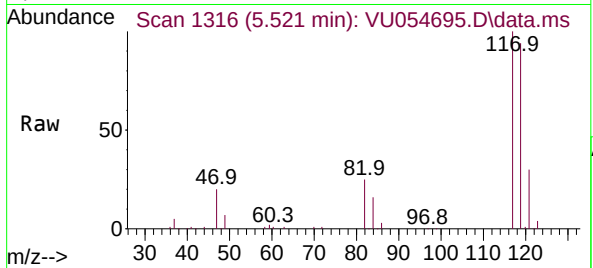
61 46.6 36.1 54.1





#31
Carbon tetrachloride
Concen: 3.064 ug/L
RT: 5.521 min Scan# 11624
Delta R.T. -0.000 min
Lab File: VU054695.D
Acq: 29 Jun 2023 15:10

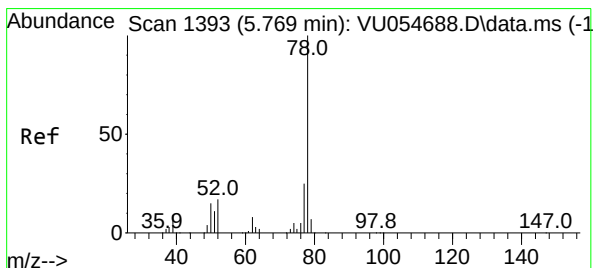
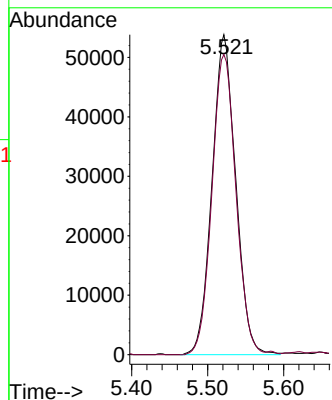
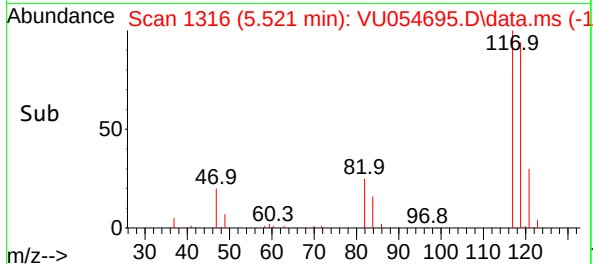
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Tgt Ion:117 Resp: 11624
Ion Ratio Lower Upper
117 100
119 95.3 76.8 115.2

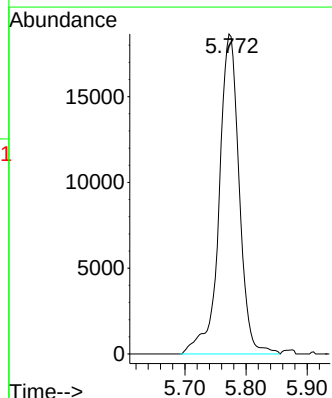
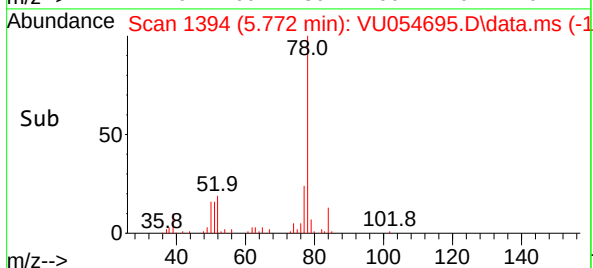
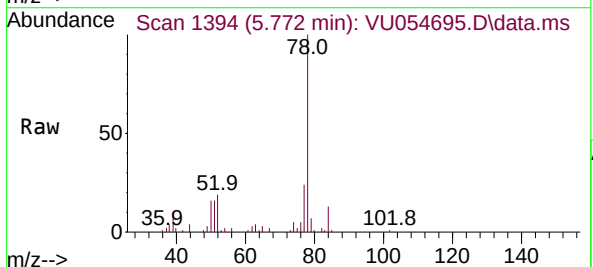
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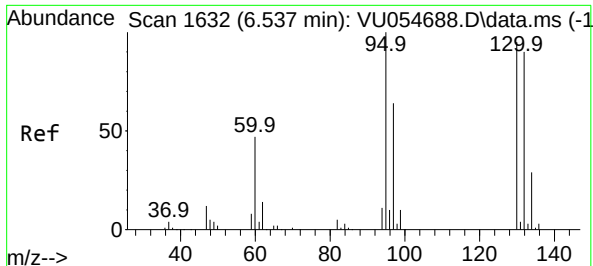
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#33
Benzene
Concen: 0.366 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU054695.D
Acq: 29 Jun 2023 15:10

Tgt Ion: 78 Resp: 42665





#34

Trichloroethene

Concen: 253.122 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU054695.D

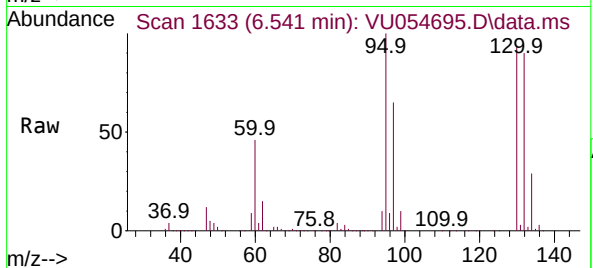
Acq: 29 Jun 2023 15:10

Instrument :

MSVOA_U

ClientSampleId :

HOA41



Tgt Ion: 95 Resp: 781208

Ion Ratio Lower Upper

95 100

97 64.7 46.8 87.0

132 89.7 68.4 127.0

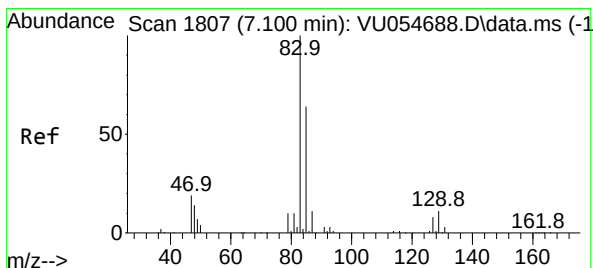
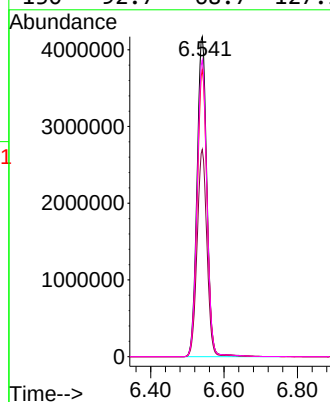
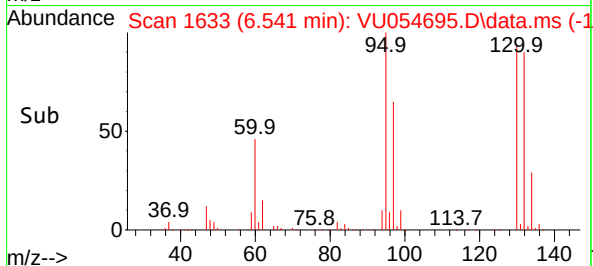
130 92.7 68.7 127.5

Manual Integrations

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Supervised By :Mahesh Dadoda 06/30/2023



#38

Bromodichloromethane

Concen: 0.348 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.003 min

Lab File: VU054695.D

Acq: 29 Jun 2023 15:10

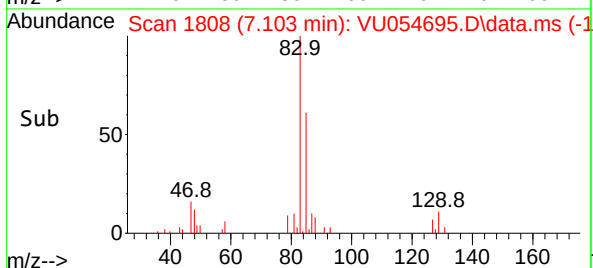
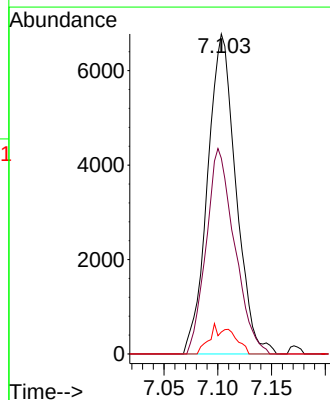
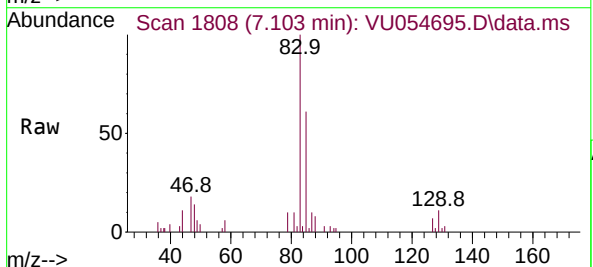
Tgt Ion: 83 Resp: 12448

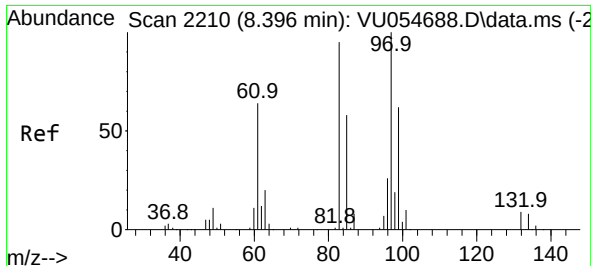
Ion Ratio Lower Upper

83 100

85 61.2 44.1 81.9

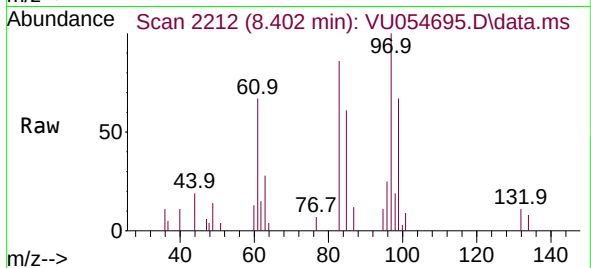
127 6.9 6.6 10.0





#45
1,1,2-Trichloroethane
Concen: 0.324 ug/L m
RT: 8.402 min Scan# 2110
Delta R.T. 0.006 min
Lab File: VU054695.D
Acq: 29 Jun 2023 15:10

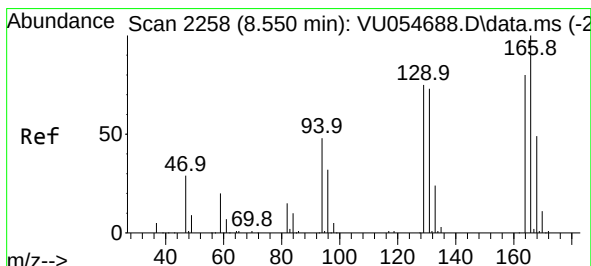
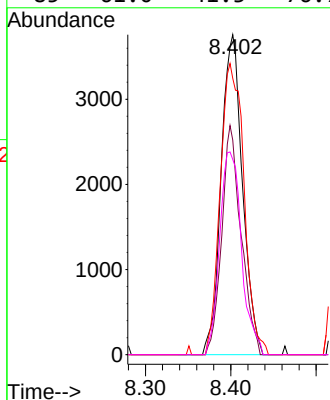
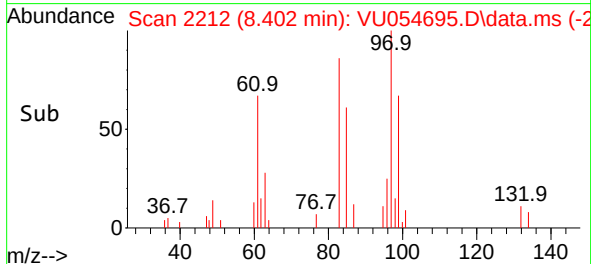
Instrument :
MSVOA_U
ClientSampleId :
HOA41



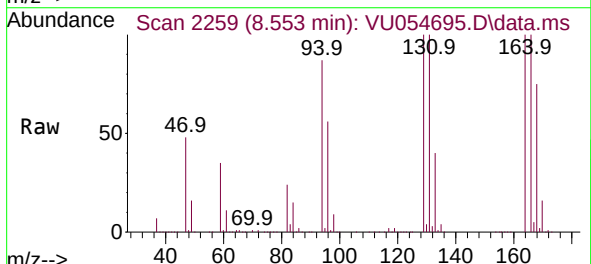
Tgt Ion: 97 Resp: 6509
Ion Ratio Lower Upper
97 100
99 67.0 43.0 80.0
83 86.4 63.8 118.6
85 61.0 41.3 76.7

Manual Integrations
APPROVED

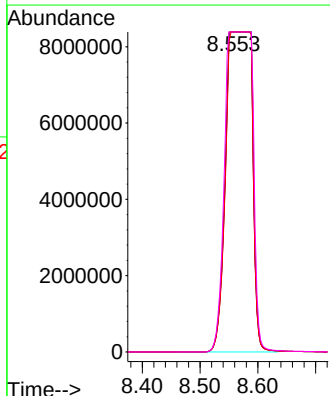
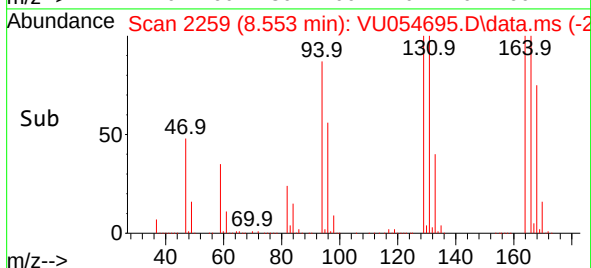
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023

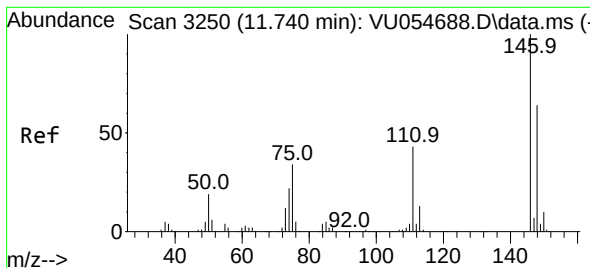


#47
Tetrachloroethene
Concen: 1128.473 ug/L m
RT: 8.553 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VU054695.D
Acq: 29 Jun 2023 15:10



Tgt Ion:164 Resp:26659772
Ion Ratio Lower Upper
164 100
129 100.0 67.7 125.7
131 100.0 64.6 120.0
166 100.0 88.1 163.7





#64

1,3-Dichlorobenzene

Concen: 0.261 ug/L

RT: 11.743 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU054695.D

Acq: 29 Jun 2023 15:10

Instrument :

MSVOA_U

ClientSampleId :

HOA41

Tgt Ion:146 Resp: 13520

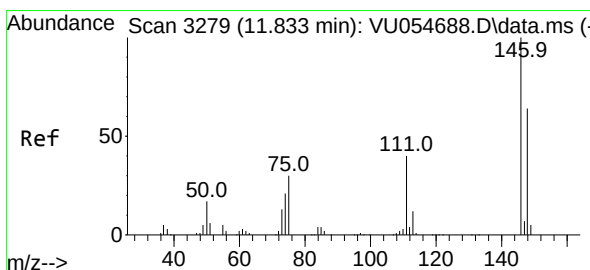
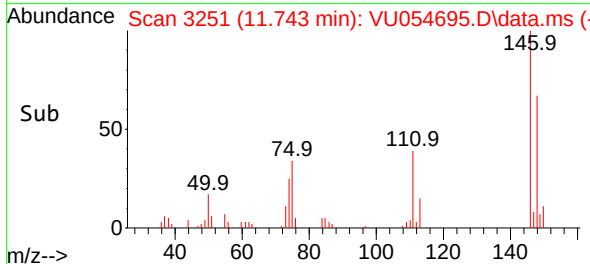
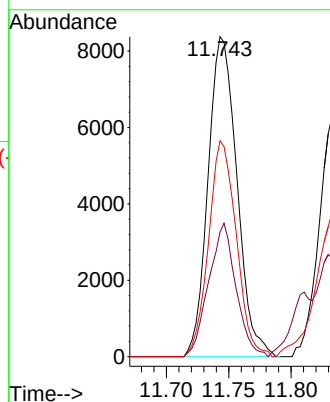
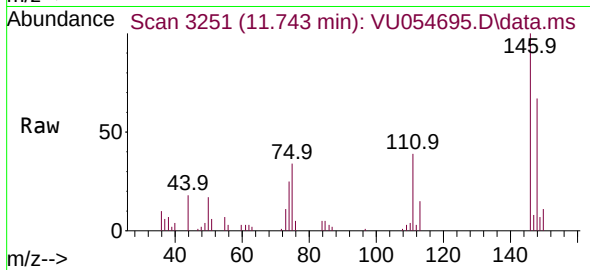
Ion	Ratio	Lower	Upper
146	100		
111	39.0	28.9	53.7
148	67.5	44.0	81.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 06/30/2023

Supervised By :Mahesh Dadoda 06/30/2023



#65

1,4-Dichlorobenzene

Concen: 0.204 ug/L

RT: 11.836 min Scan# 3280

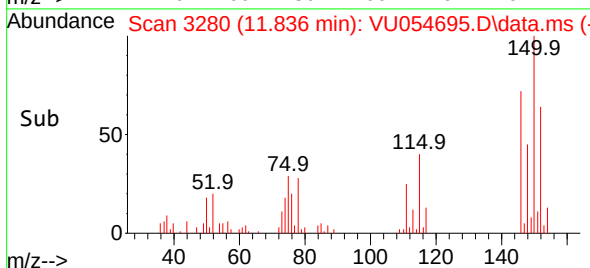
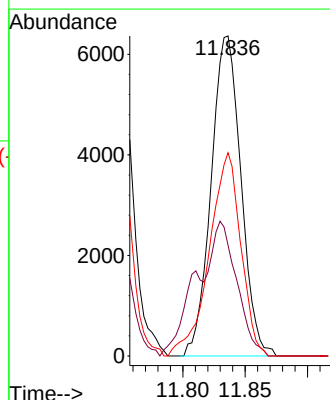
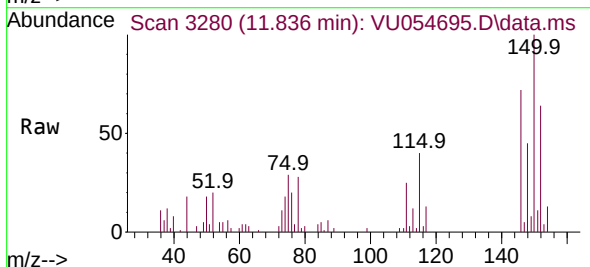
Delta R.T. 0.006 min

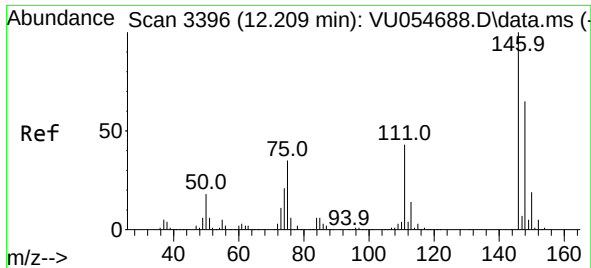
Lab File: VU054695.D

Acq: 29 Jun 2023 15:10

Tgt Ion:146 Resp: 10618

Ion	Ratio	Lower	Upper
146	100		
111	34.6	28.0	52.0
148	63.5	44.7	83.1





#67

1,2-Dichlorobenzene

Concen: 0.281 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054695.D

Acq: 29 Jun 2023 15:10

Instrument :

MSVOA_U

ClientSampleId :

HOA41

Tgt Ion:146 Resp: 1341

Ion Ratio Lower Upper

146 100

111 50.7 34.5 51.7

148 69.0 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 06/30/2023

Supervised By :Mahesh Dadoda 06/30/2023

