

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062923\
 Data File : VU054697.D
 Acq On : 29 Jun 2023 15:59
 Operator : MD/SY
 Sample : 03477-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA43

Quant Time: Jun 30 05:19:46 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	302560	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	293976	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	134569	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	87422	4.540	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.800%
7) Chloroethane-d5	1.911	69	79579	4.414	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.200%
11) 1,1-Dichloroethene-d2	2.563	65	34550	4.017	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.400%
20) 2-Butanone-d5	4.628	46	272333	50.304	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.600%
24) Chloroform-d	5.058	84	203539	5.057	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.200%
26) 1,2-Dichloroethane-d4	5.698	65	87176	4.443	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.800%
32) Benzene-d6	5.724	84	332005	4.063	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.200%
36) 1,2-Dichloropropane-d6	6.685	67	118775	4.352	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.000%
41) Toluene-d8	7.894	98	281984	3.888	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.800%
43) trans-1,3-Dichloroprop...	8.177	79	41765	4.401	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.000%
46) 2-Hexanone-d5	8.631	63	196324	49.308	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.620%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	87927	4.320	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	102342	4.509	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.518	50	4428	0.136	ug/L	97
6) Bromomethane	1.856	94	3264	0.178	ug/L	96
12) 1,1-Dichloroethene	2.576	96	63387	2.888	ug/L #	83
13) Acetone	2.641	43	114630	22.457	ug/L	98
16) Methylene chloride	3.042	84	12733	0.413	ug/L	77
18) trans-1,2-Dichloroethene	3.351	96	13226	0.584	ug/L	87
19) 1,1-Dichloroethane	3.862	63	367969	7.848	ug/L	99
21) 2-Butanone	4.727	43	12133	1.831	ug/L	80
22) cis-1,2-Dichloroethene	4.663	96	92585	3.588	ug/L	98
25) Chloroform	5.081	83	782403	16.925	ug/L	98
27) 1,2-Dichloroethane	5.795	62	9437	0.348	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	1099645	27.585	ug/L	98
31) Carbon tetrachloride	5.521	117	22423	0.653	ug/L	94
33) Benzene	5.772	78	44004	0.416	ug/L	100
34) Trichloroethene	6.538	95	7033124	251.737	ug/L	94
45) 1,1,2-Trichloroethane	8.399	97	10374m	0.571	ug/L	
47) Tetrachloroethene	8.550	164	24324199m	1137.389	ug/L	
64) 1,3-Dichlorobenzene	11.743	146	37056	0.805	ug/L	96
65) 1,4-Dichlorobenzene	11.833	146	46515	1.007	ug/L	98

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Manual Integrations
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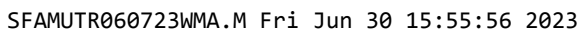
Quant Time: Jun 30 05:19:46 2023
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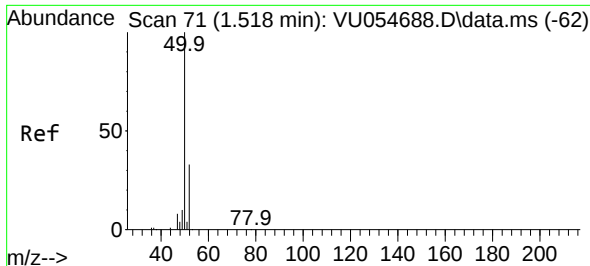
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.209	146	120744	2.853	ug/L	100

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

Manual Integrations

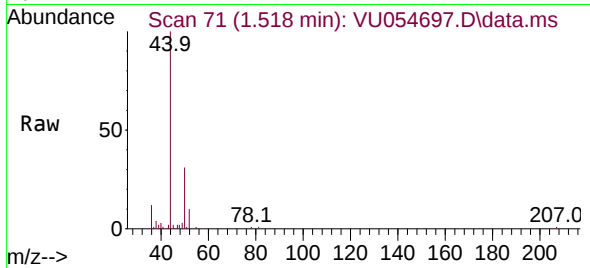
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jun 23 23:55:46 2023
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#3
Chloromethane
Concen: 0.136 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.003 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

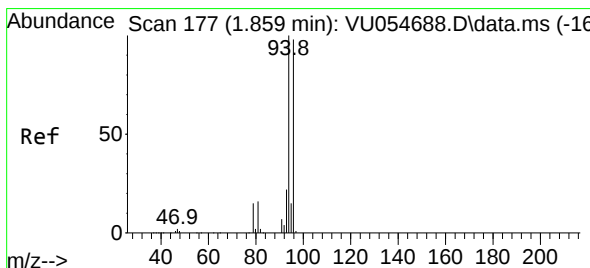
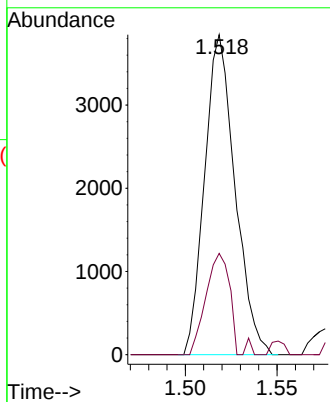
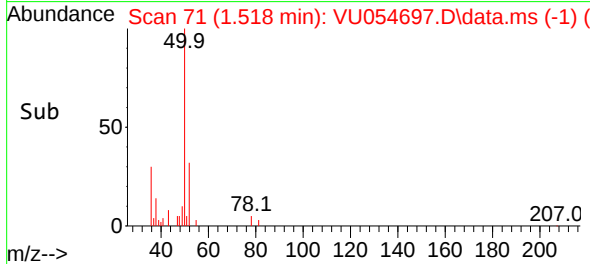
Instrument :
MSVOA_U
ClientSampleId :
HOA43



Tgt Ion: 50 Resp: 4428
Ion Ratio Lower Upper
50 100
52 31.7 23.4 43.4

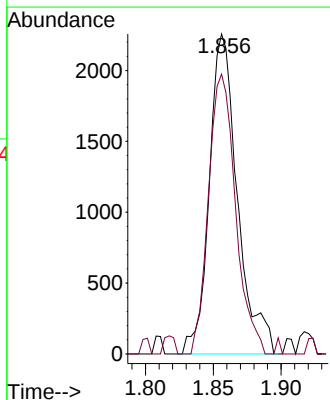
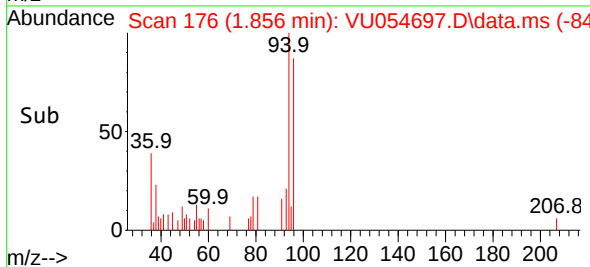
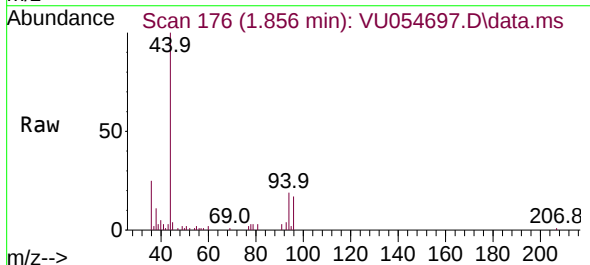
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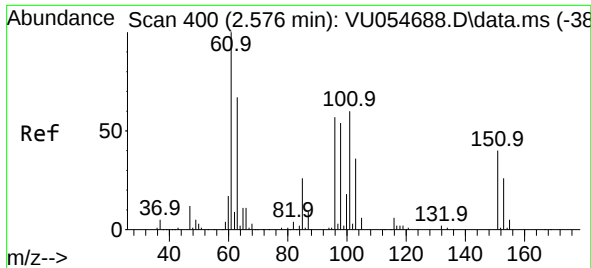
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#6
Bromomethane
Concen: 0.178 ug/L
RT: 1.856 min Scan# 176
Delta R.T. -0.003 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

Tgt Ion: 94 Resp: 3264
Ion Ratio Lower Upper
94 100
96 87.5 63.6 118.2





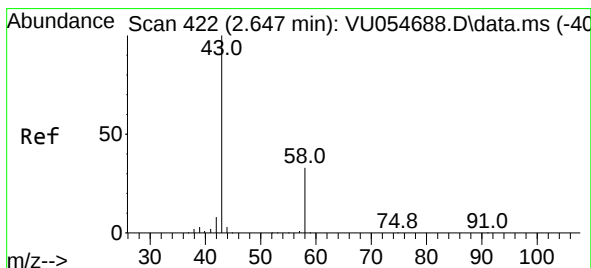
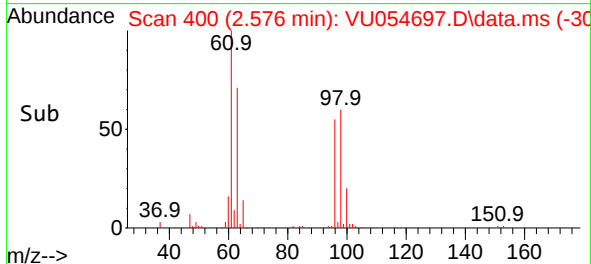
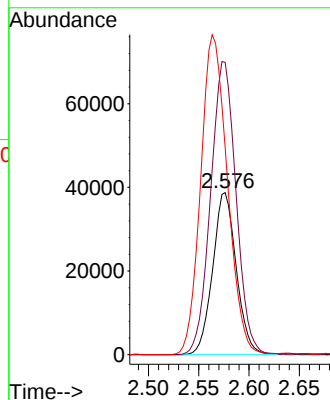
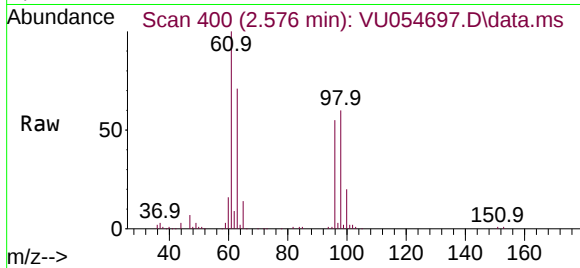
#12
1,1-Dichloroethene
Concen: 2.888 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

Instrument :
MSVOA_U
ClientSampleId :
HOA43

Tgt Ion: 96 Resp: 6338
Ion Ratio Lower Upper
96 100
61 180.3 119.9 222.7
63 127.8 64.3 119.3

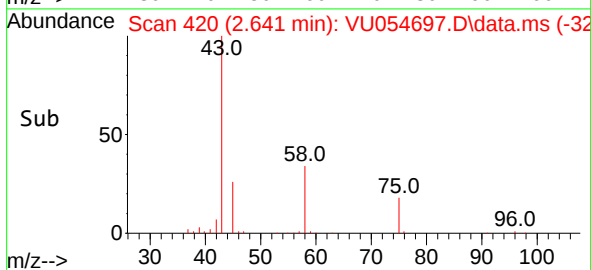
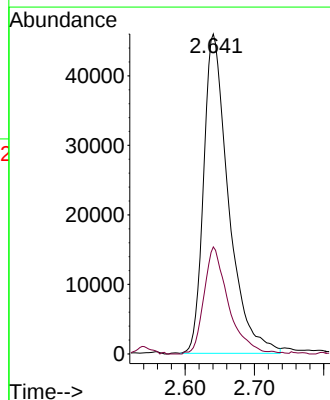
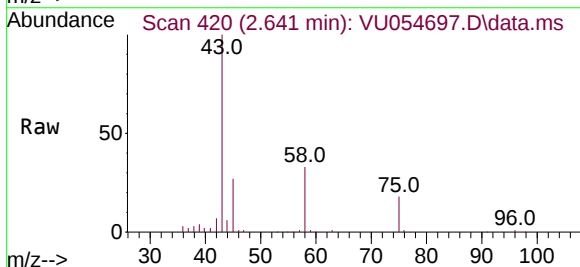
Manual Integrations
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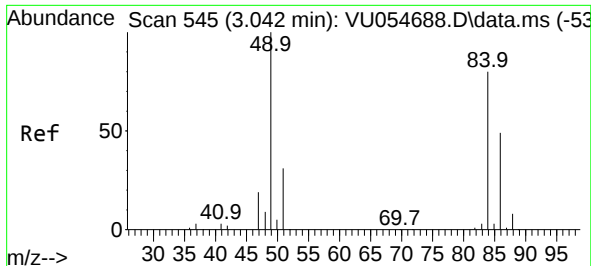
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#13
Acetone
Concen: 22.457 ug/L
RT: 2.641 min Scan# 420
Delta R.T. 0.000 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

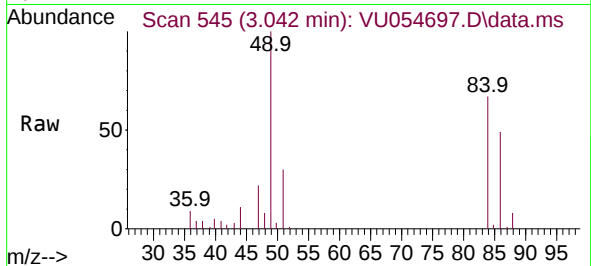
Tgt Ion: 43 Resp: 114630
Ion Ratio Lower Upper
43 100
58 32.6 0.0 67.2





#16
Methylene chloride
Concen: 0.413 ug/L
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

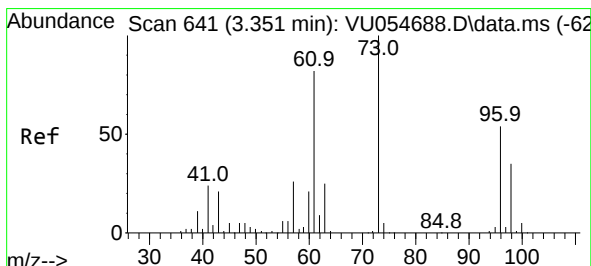
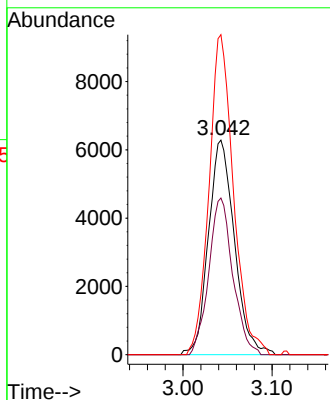
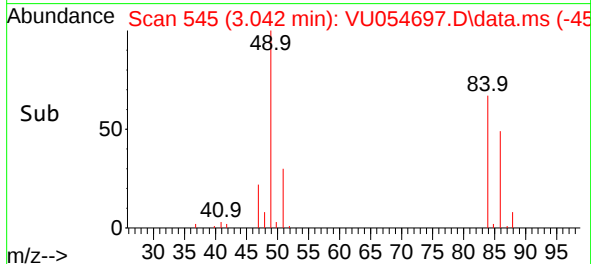
Instrument :
MSVOA_U
ClientSampleId :
HOA43



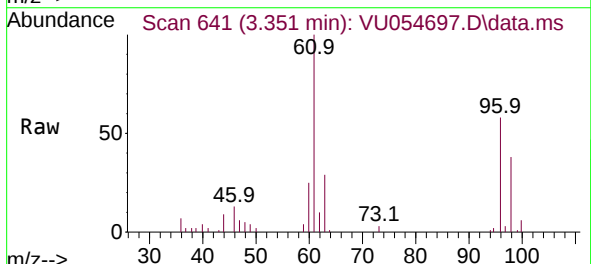
Tgt Ion: 84 Resp: 1273
Ion Ratio Lower Upper
84 100
86 73.1 43.9 81.5
49 154.4 86.1 159.9

Manual Integrations
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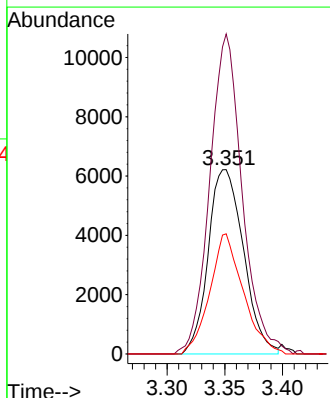
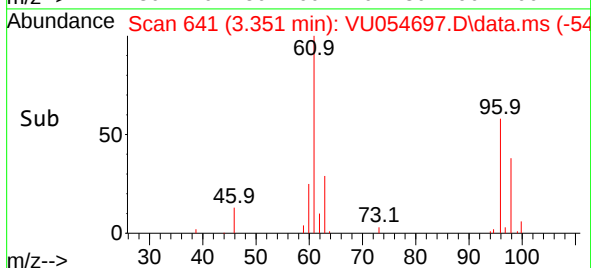
Reviewed By :Krupa Patel 06/30/2023
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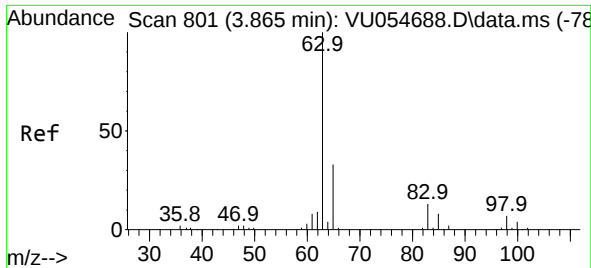


#18
trans-1,2-Dichloroethene
Concen: 0.584 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.000 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59



Tgt Ion: 96 Resp: 13226
Ion Ratio Lower Upper
96 100
61 173.6 104.6 194.2
98 65.2 45.4 84.4





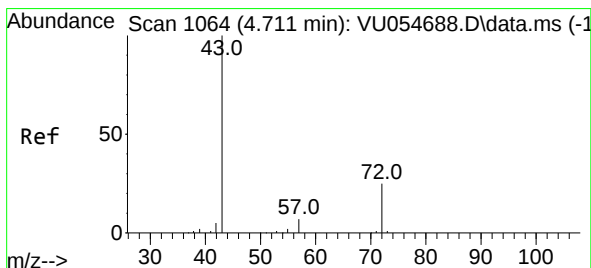
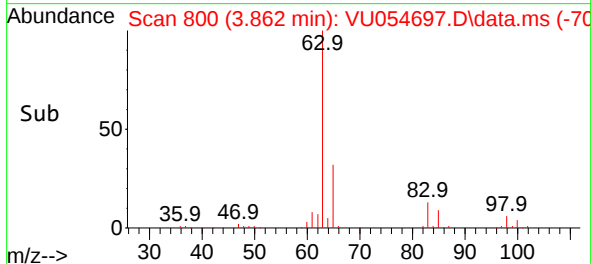
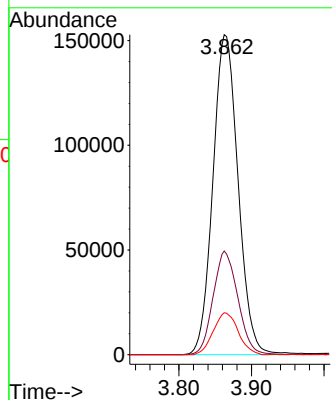
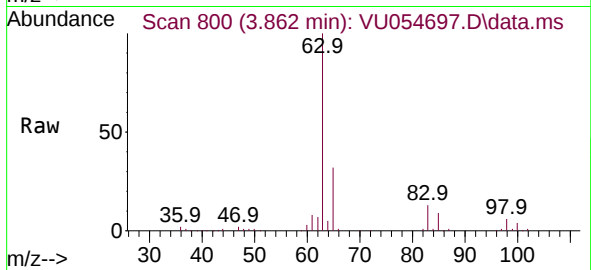
#19
1,1-Dichloroethane
Concen: 7.848 ug/L
RT: 3.862 min Scan# 801
Delta R.T. -0.003 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

Instrument :
MSVOA_U
ClientSampleId :
HOA43

Tgt Ion: 63 Resp: 367969
Ion Ratio Lower Upper
63 100
65 32.4 22.2 41.2
83 13.1 9.0 16.6

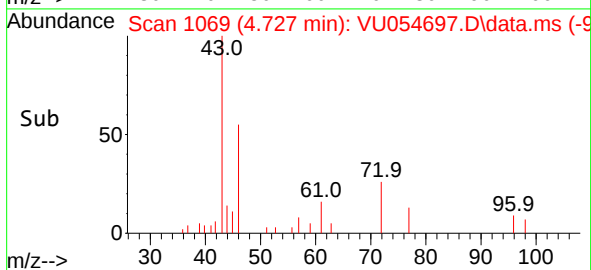
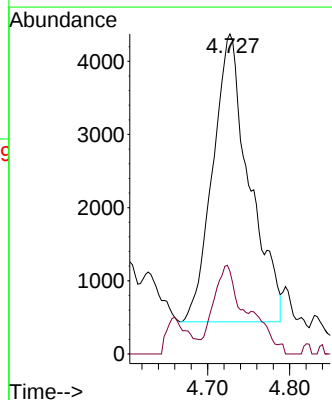
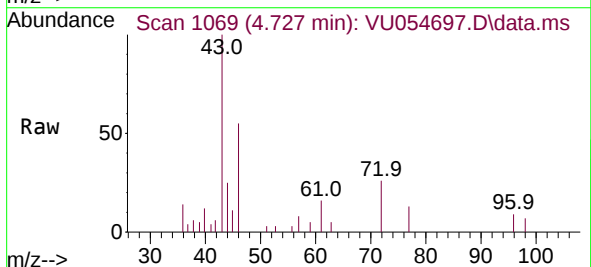
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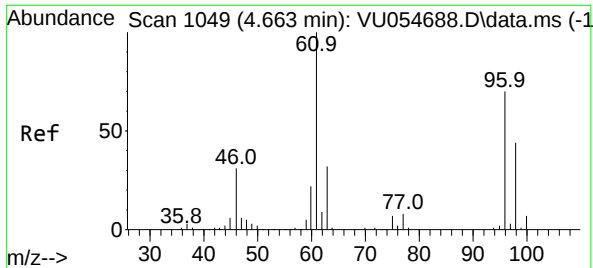
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#21
2-Butanone
Concen: 1.831 ug/L
RT: 4.727 min Scan# 1069
Delta R.T. 0.023 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

Tgt Ion: 43 Resp: 12133
Ion Ratio Lower Upper
43 100
72 16.2 13.4 40.1





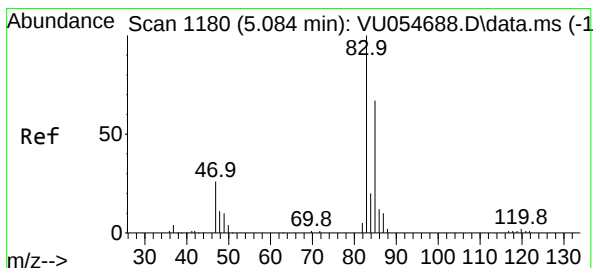
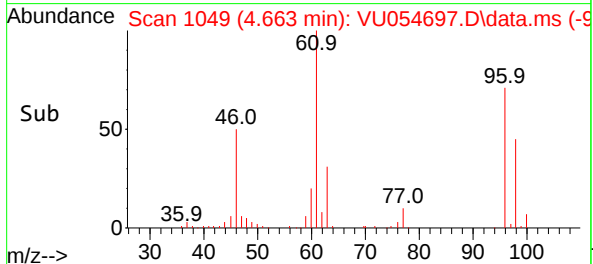
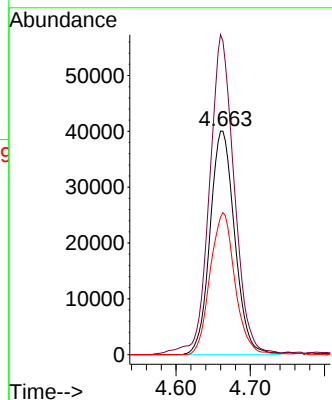
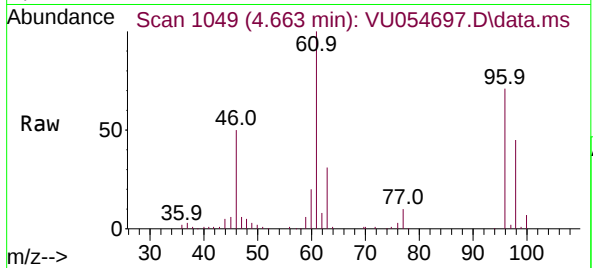
#22
cis-1,2-Dichloroethene
Concen: 3.588 ug/L
RT: 4.663 min Scan# 1049
Delta R.T. 0.000 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

Instrument :
MSVOA_U
ClientSampleId :
HOA43

Tgt Ion: 96 Resp: 92585
Ion Ratio Lower Upper
96 100
61 140.3 96.5 179.1
98 63.6 44.9 83.3

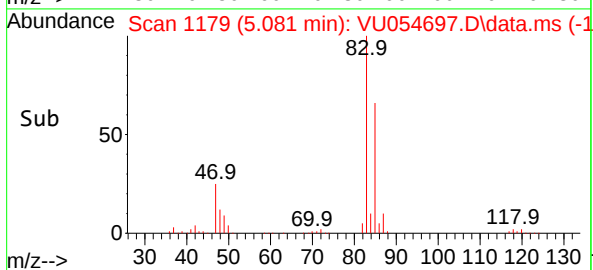
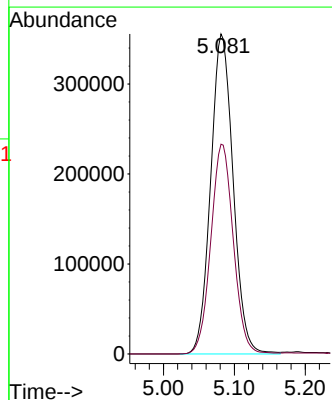
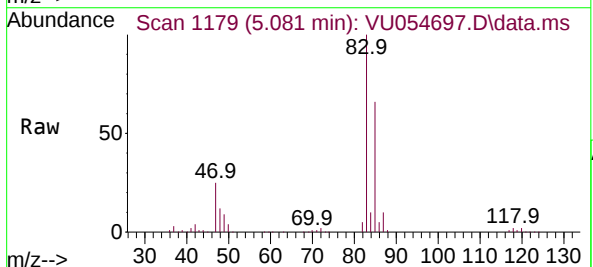
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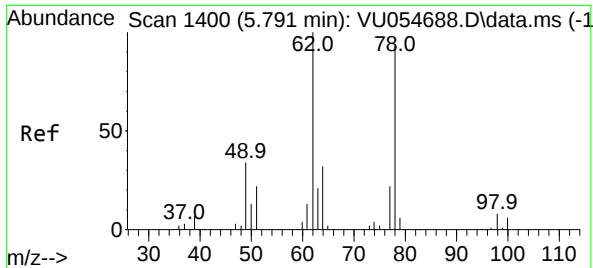
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#25
Chloroform
Concen: 16.925 ug/L
RT: 5.081 min Scan# 1179
Delta R.T. -0.003 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

Tgt Ion: 83 Resp: 782403
Ion Ratio Lower Upper
83 100
85 65.6 44.7 82.9





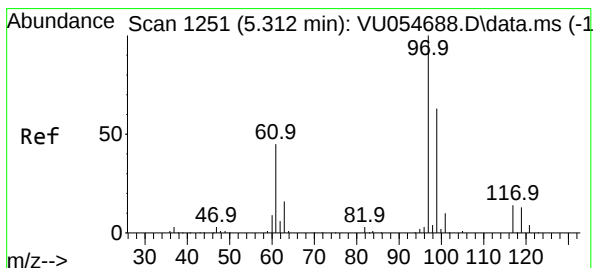
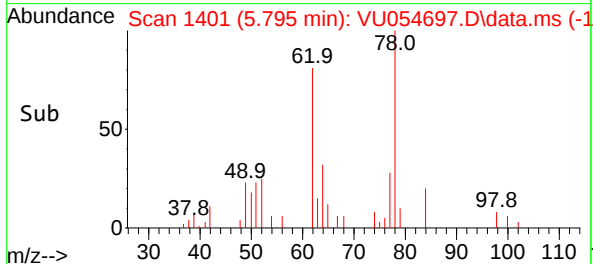
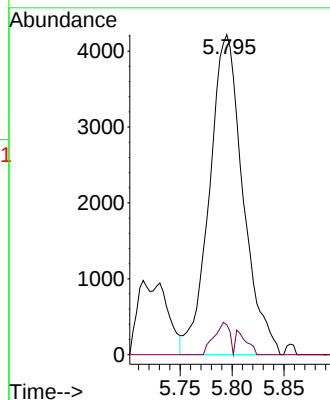
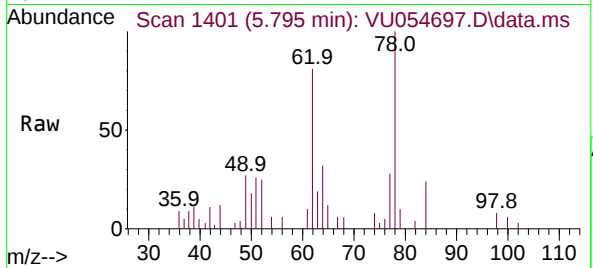
#27
1,2-Dichloroethane
Concen: 0.348 ug/L
RT: 5.795 min Scan# 1400
Delta R.T. 0.007 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

Instrument :
MSVOA_U
ClientSampleId :
HOA43

Tgt Ion: 62 Resp: 943
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.6

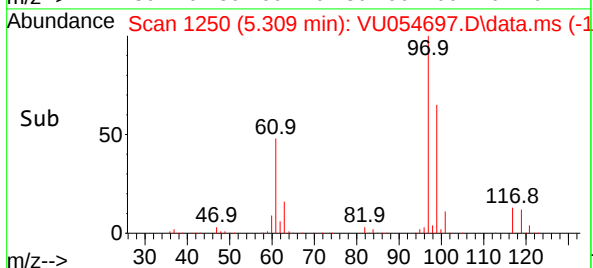
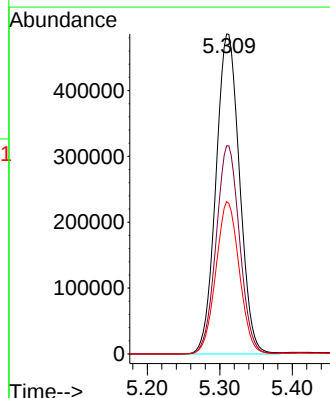
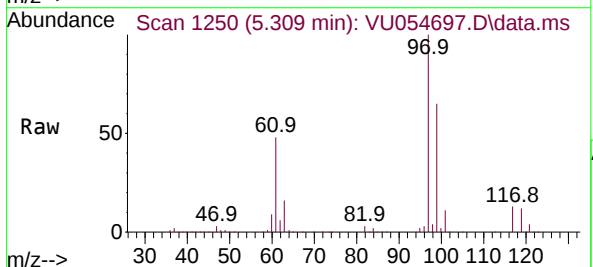
Manual Integrations
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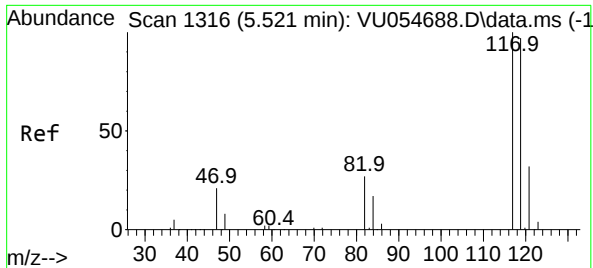
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#29
1,1,1-Trichloroethane
Concen: 27.585 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.003 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

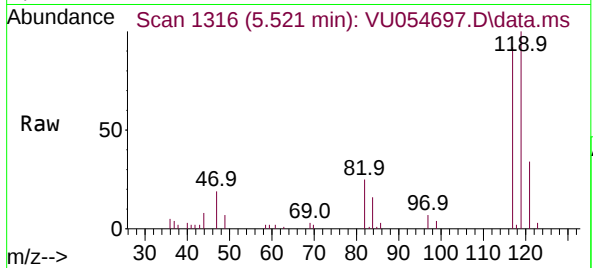
Tgt Ion: 97 Resp: 1099645
Ion Ratio Lower Upper
97 100
99 64.6 50.8 76.2
61 47.3 36.1 54.1





#31
Carbon tetrachloride
Concen: 0.653 ug/L
RT: 5.521 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

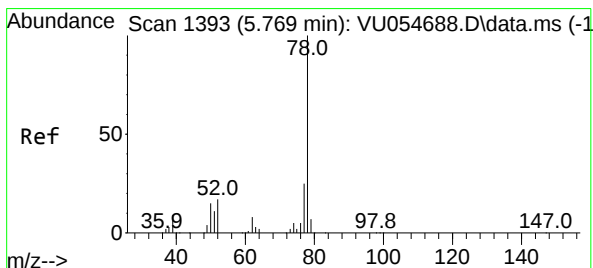
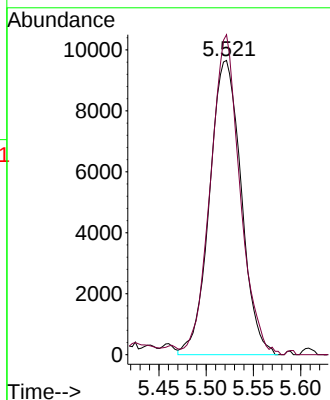
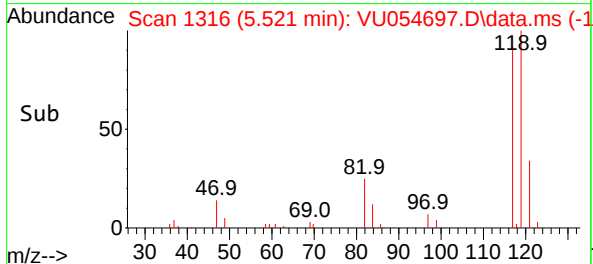
Instrument :
MSVOA_U
ClientSampleId :
HOA43



Tgt Ion:117 Resp: 2242
Ion Ratio Lower Upper
117 100
119 101.7 76.8 115.2

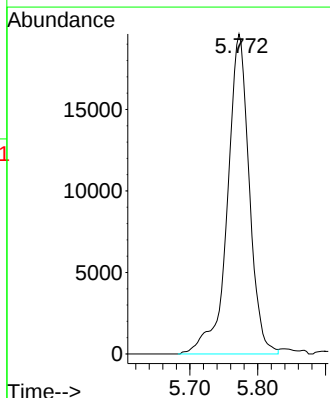
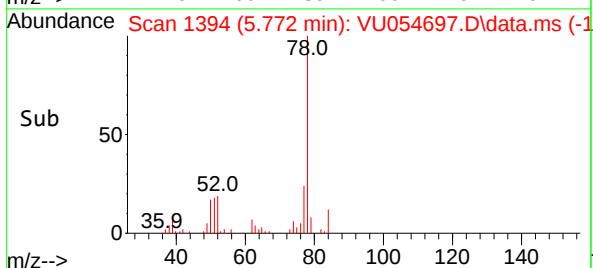
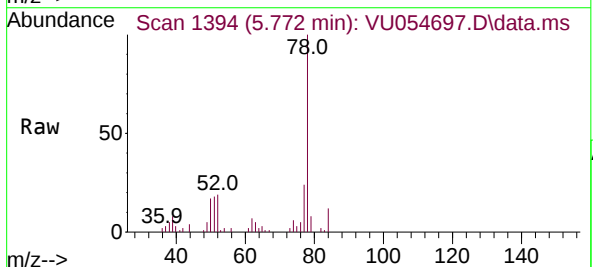
Manual Integrations
APPROVED

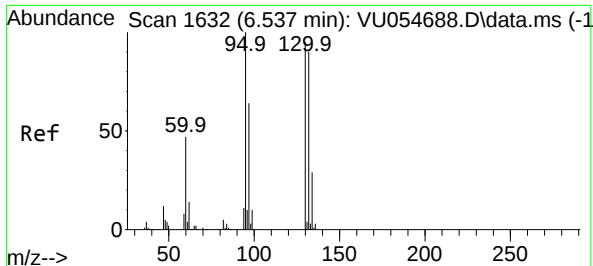
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#33
Benzene
Concen: 0.416 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

Tgt Ion: 78 Resp: 44004





#34

Trichloroethene

Concen: 251.737 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054697.D

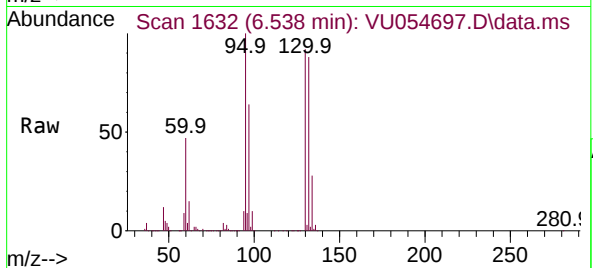
Acq: 29 Jun 2023 15:59

Instrument :

MSVOA_U

ClientSampleId :

HOA43



Tgt Ion: 95 Resp: 7033124

Ion Ratio Lower Upper

95 100

97 64.3 46.8 87.0

132 88.4 68.4 127.0

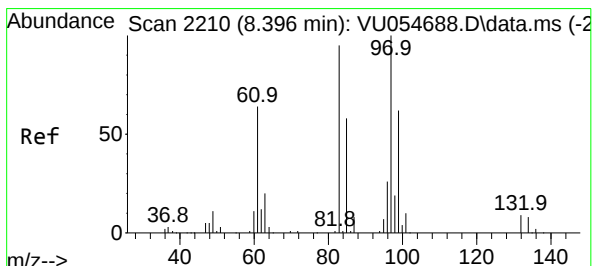
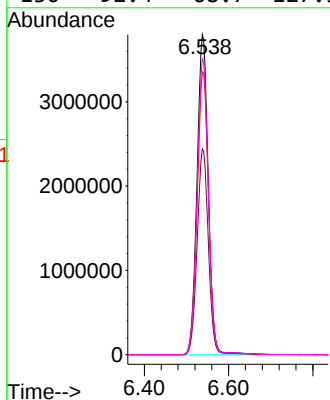
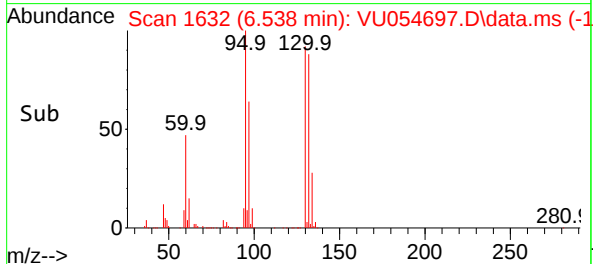
130 92.4 68.7 127.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 06/30/2023

Supervised By :Mahesh Dadoda 06/30/2023



#45

1,1,2-Trichloroethane

Concen: 0.571 ug/L m

RT: 8.399 min Scan# 2211

Delta R.T. 0.003 min

Lab File: VU054697.D

Acq: 29 Jun 2023 15:59

Tgt Ion: 97 Resp: 10374

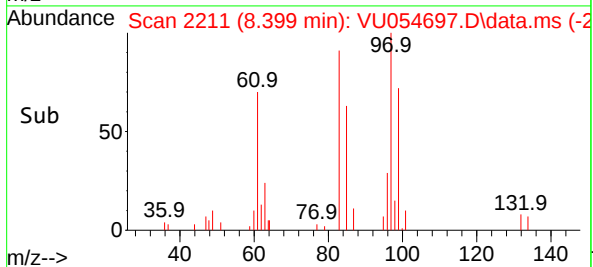
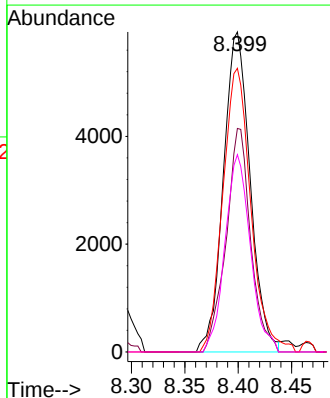
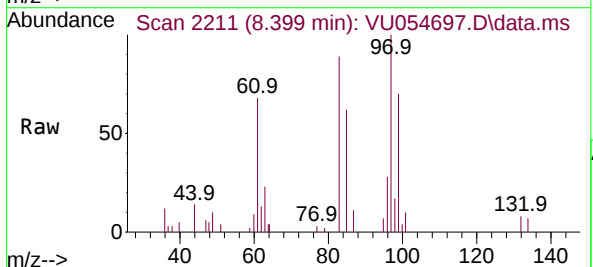
Ion Ratio Lower Upper

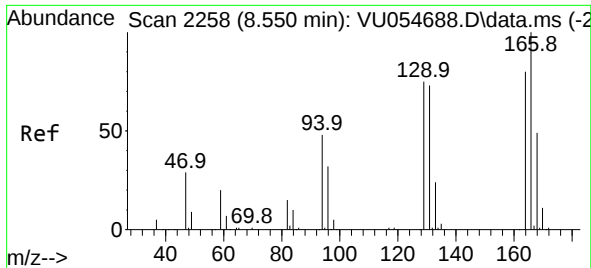
97 100

99 69.8 43.0 80.0

83 88.7 63.8 118.6

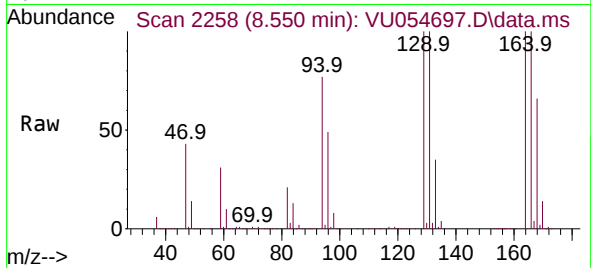
85 61.7 41.3 76.7





#47
Tetrachloroethene
Concen: 1137.389 ug/L m
RT: 8.550 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59

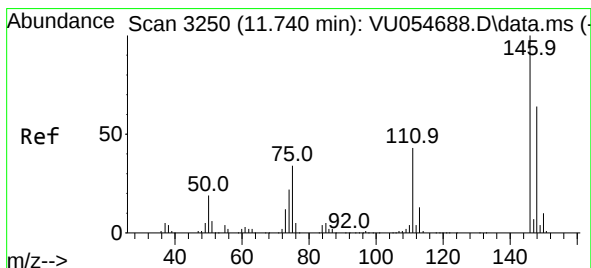
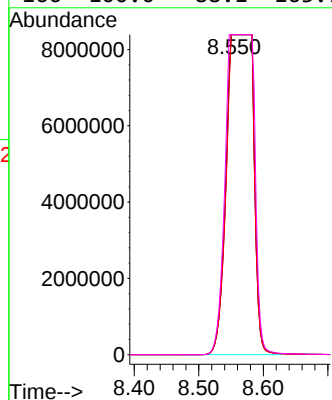
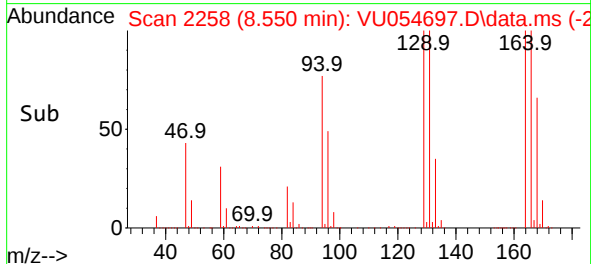
Instrument :
MSVOA_U
ClientSampleId :
HOA43



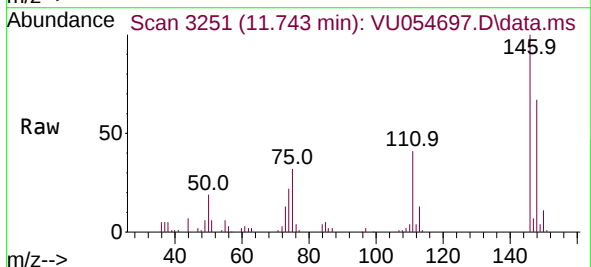
Tgt Ion:164 Resp:2432419
Ion Ratio Lower Upper
164 100
129 100.0 67.7 125.7
131 100.0 64.6 120.0
166 100.0 88.1 163.7

Manual Integrations
APPROVED

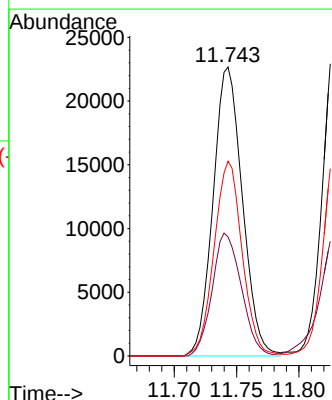
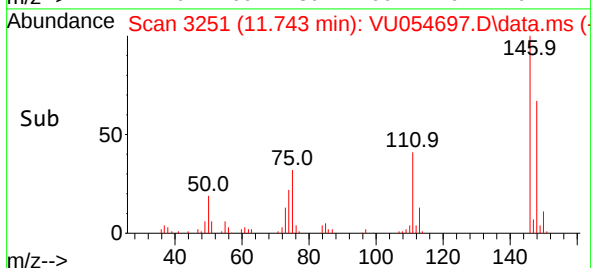
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023

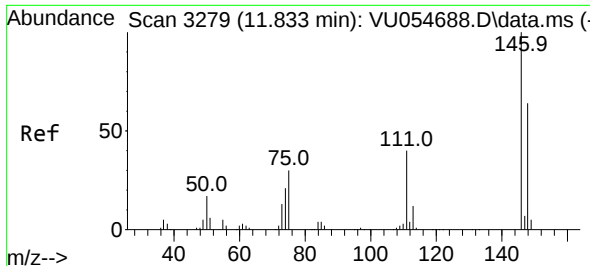


#64
1,3-Dichlorobenzene
Concen: 0.805 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VU054697.D
Acq: 29 Jun 2023 15:59



Tgt Ion:146 Resp: 37056
Ion Ratio Lower Upper
146 100
111 41.2 28.9 53.7
148 67.4 44.0 81.8





#65

1,4-Dichlorobenzene

Concen: 1.007 ug/L

RT: 11.833 min Scan# 3279

Delta R.T. 0.003 min

Lab File: VU054697.D

Acq: 29 Jun 2023 15:59

Instrument :

MSVOA_U

ClientSampleId :

HOA43

Tgt Ion:146 Resp: 4651

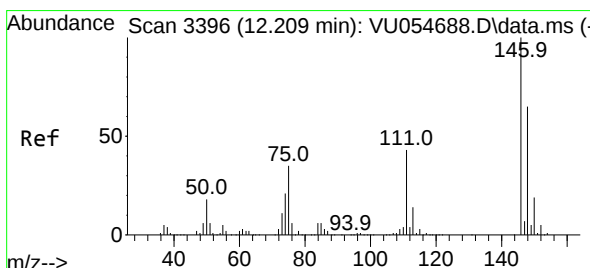
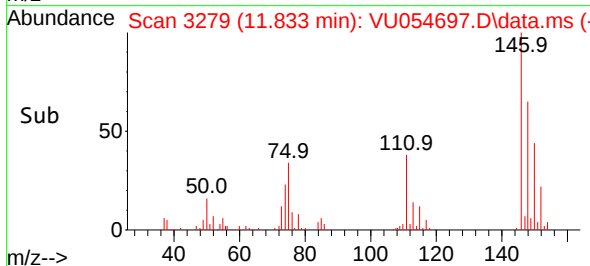
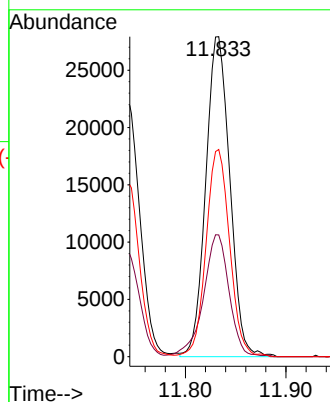
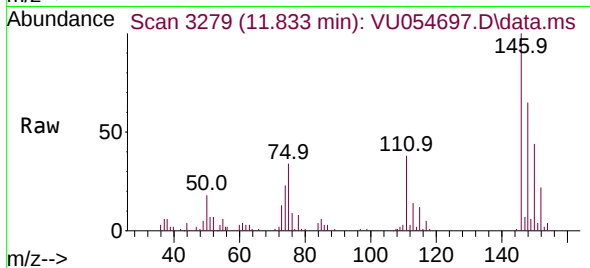
Ion	Ratio	Lower	Upper
146	100		
111	38.1	28.0	52.0
148	64.7	44.7	83.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 06/30/2023

Supervised By :Mahesh Dadoda 06/30/2023



#67

1,2-Dichlorobenzene

Concen: 2.853 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU054697.D

Acq: 29 Jun 2023 15:59

Tgt Ion:146 Resp: 120744

Ion	Ratio	Lower	Upper
146	100		
111	42.9	34.5	51.7
148	64.0	50.9	76.3

