

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062923\
 Data File : VU054702.D
 Acq On : 29 Jun 2023 18:01
 Operator : MD/SY
 Sample : 03477-10
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA48

Manual Integrations
 APPROVED

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

Quant Time: Jun 30 05:20:26 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	6.283	114	235492	5.000	ug/L	0.04
28) Chlorobenzene-d5	9.421	117	235149	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	106338	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.615	65	61872	4.128	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.600%
7) Chloroethane-d5	1.933	69	71342	5.084	ug/L	0.02
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.600%
11) 1,1-Dichloroethene-d2	2.576	65	16263	2.430	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.600%#
20) 2-Butanone-d5	4.730	46	256865	60.959	ug/L	0.10
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.920%
24) Chloroform-d	5.113	84	175967	5.617	ug/L	0.05
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.400%
26) 1,2-Dichloroethane-d4	5.750	65	79517	5.207	ug/L	0.05
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.200%
32) Benzene-d6	5.769	84	275749	4.218	ug/L	0.04
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	6.721	67	102474	4.694	ug/L	0.04
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.800%
41) Toluene-d8	7.914	98	216940	3.740	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.800%
43) trans-1,3-Dichloroprop...	8.193	79	36665	4.830	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.600%
46) 2-Hexanone-d5	8.647	63	188649	59.234	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.460%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	82228	5.051	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	86109	4.801	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.000%
Target Compounds						
3) Chloromethane	1.538	50	4654	0.184	ug/L	94
6) Bromomethane	1.875	94	2440	0.171	ug/L	98
12) 1,1-Dichloroethene	2.599	96	5655	0.331	ug/L #	37
13) Acetone	2.737	43	142218	35.796	ug/L	94
16) Methylene chloride	3.062	84	13585	0.566	ug/L	85
18) trans-1,2-Dichloroethene	3.357	96	11671	0.662	ug/L	90
19) 1,1-Dichloroethane	3.878	63	369845	10.134	ug/L	99
22) cis-1,2-Dichloroethene	4.698	96	61074	3.041	ug/L	98
25) Chloroform	5.135	83	694115	19.292	ug/L	98
29) 1,1,1-Trichloroethane	5.364	97	989433	31.030	ug/L	98
31) Carbon tetrachloride	5.570	117	19573	0.712	ug/L	99
33) Benzene	5.817	78	22832m	0.270	ug/L	
34) Trichloroethene	6.570	95	4551277	203.658	ug/L	93
45) 1,1,2-Trichloroethane	8.415	97	9772	0.672	ug/L	95
47) Tetrachloroethene	8.563	164	21937044m	1282.382	ug/L	
64) 1,3-Dichlorobenzene	11.746	146	25833	0.710	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	31483	0.863	ug/L	98
67) 1,2-Dichlorobenzene	12.209	146	84446	2.525	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

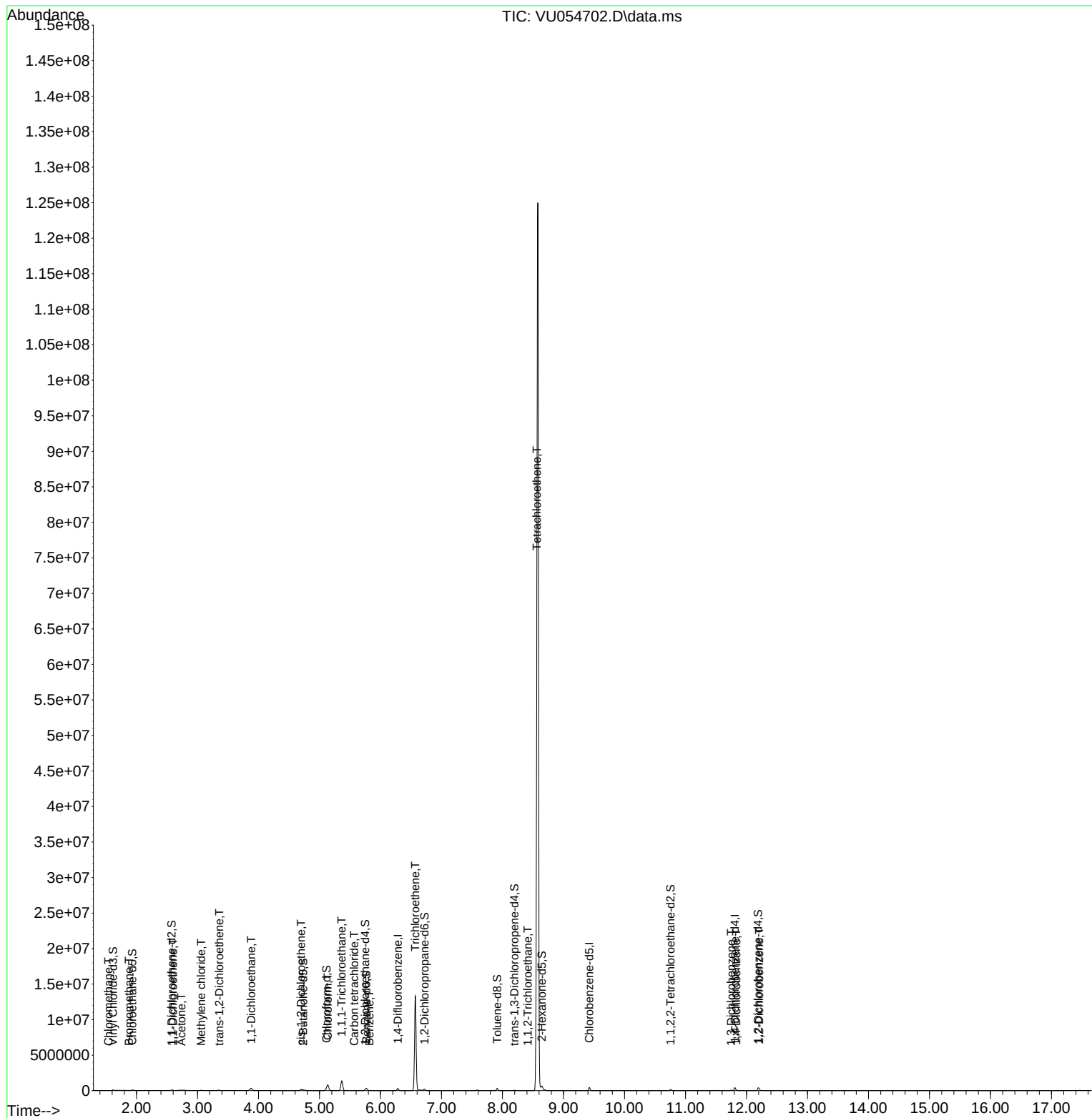
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062923\
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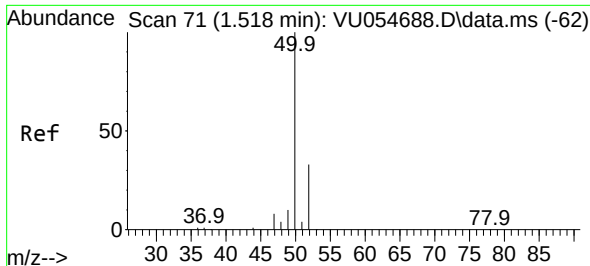
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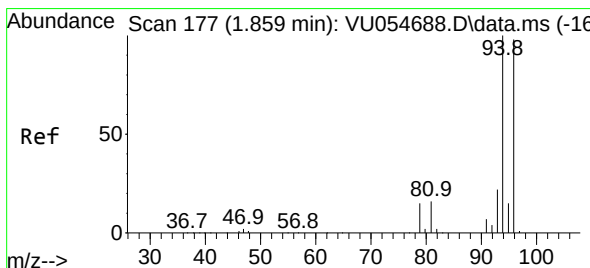
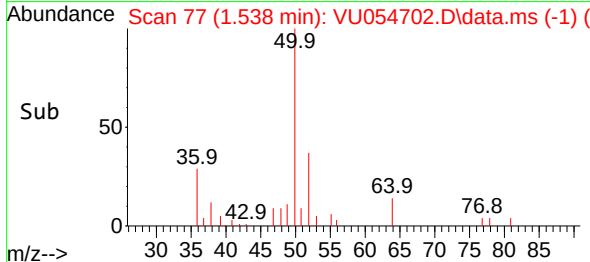
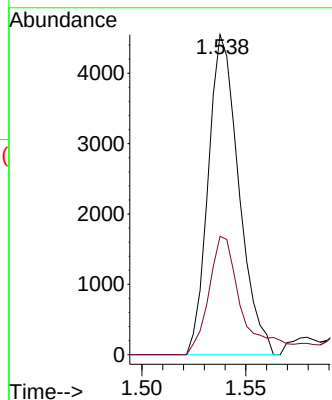
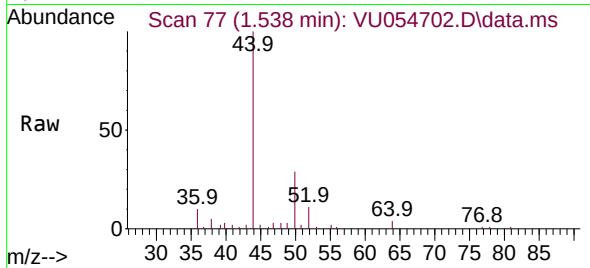
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Chloromethane
Concen: 0.184 ug/L
RT: 1.538 min Scan# 71
Delta R.T. 0.016 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01

Instrument :
MSVOA_U
ClientSampleId :
HOA48

Tgt Ion: 50 Resp: 4654
Ion Ratio Lower Upper
50 100
52 37.0 23.4 43.4

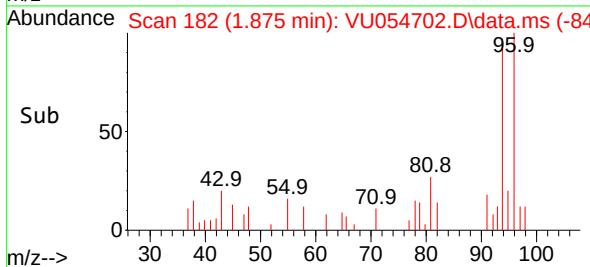
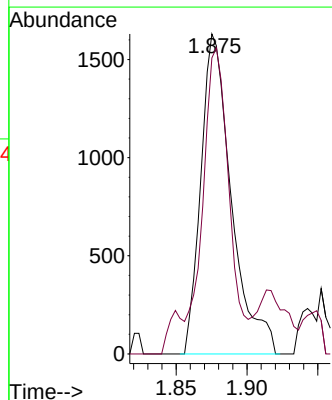
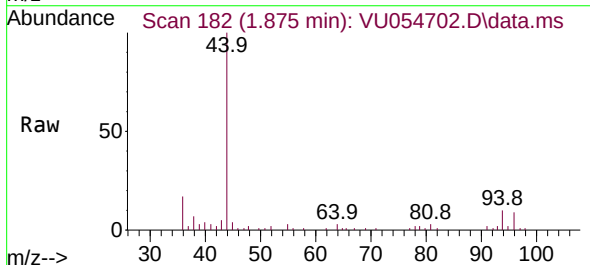
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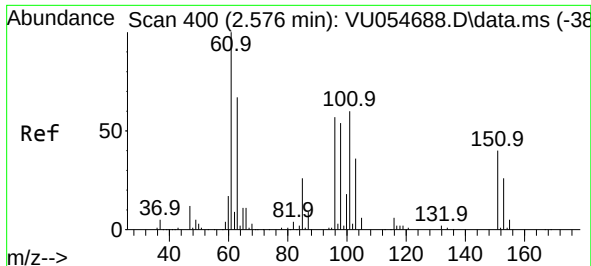
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#6
Bromomethane
Concen: 0.171 ug/L
RT: 1.875 min Scan# 182
Delta R.T. 0.016 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01

Tgt Ion: 94 Resp: 2440
Ion Ratio Lower Upper
94 100
96 92.5 63.6 118.2





#12

1,1-Dichloroethene

Concen: 0.331 ug/L

RT: 2.599 min Scan# 400

Delta R.T. 0.019 min

Lab File: VU054702.D

Acq: 29 Jun 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

HOA48

Tgt Ion: 96 Resp: 565

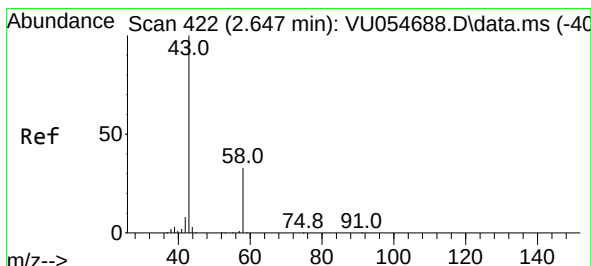
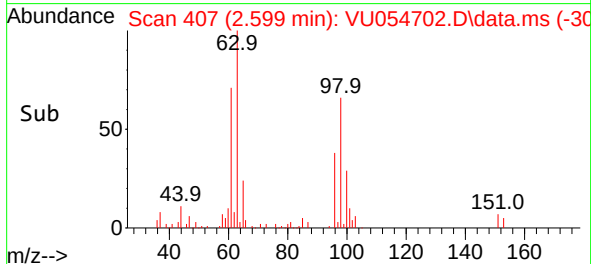
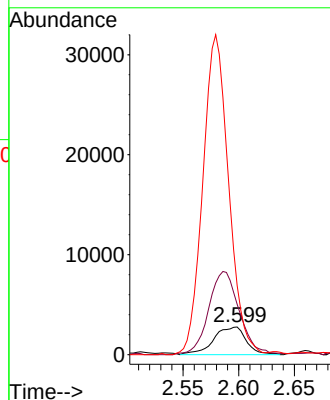
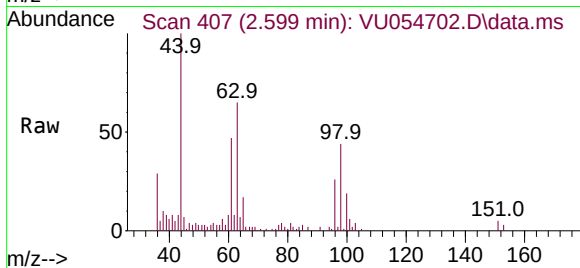
Ion	Ratio	Lower	Upper
96	100		
61	181.7	119.9	222.7
63	249.6	64.3	119.3

Manual Integrations

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#13

Acetone

Concen: 35.796 ug/L

RT: 2.737 min Scan# 450

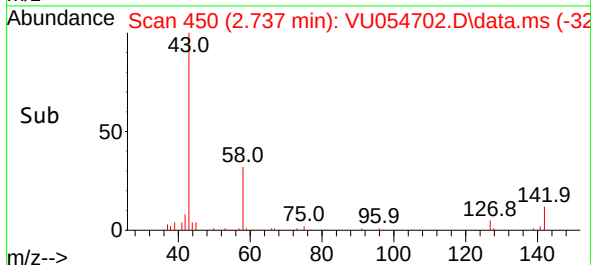
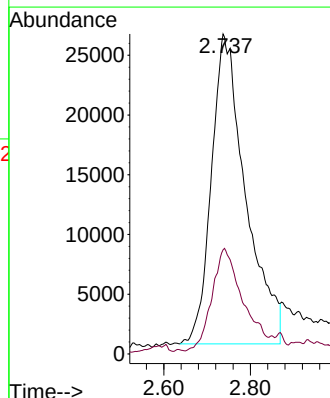
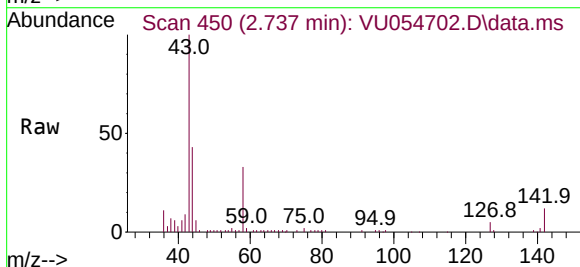
Delta R.T. 0.096 min

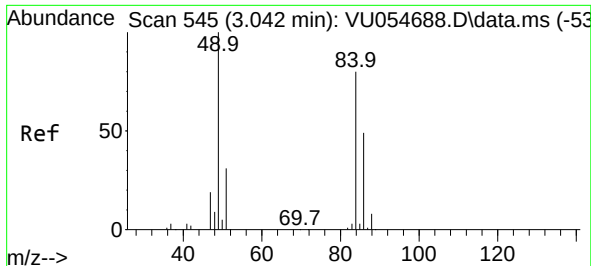
Lab File: VU054702.D

Acq: 29 Jun 2023 18:01

Tgt Ion: 43 Resp: 142218

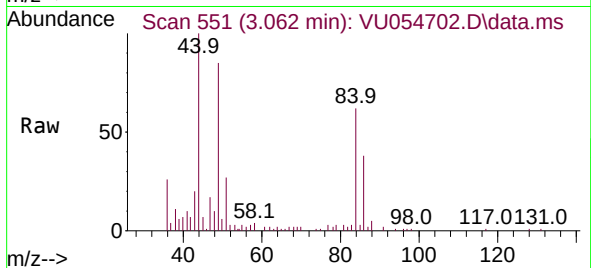
Ion	Ratio	Lower	Upper
43	100		
58	29.9	0.0	67.2





#16
Methylene chloride
Concen: 0.566 ug/L
RT: 3.062 min Scan# 511
Delta R.T. 0.019 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01

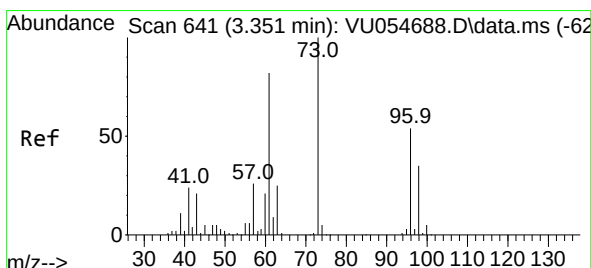
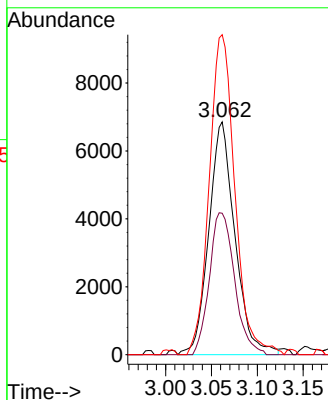
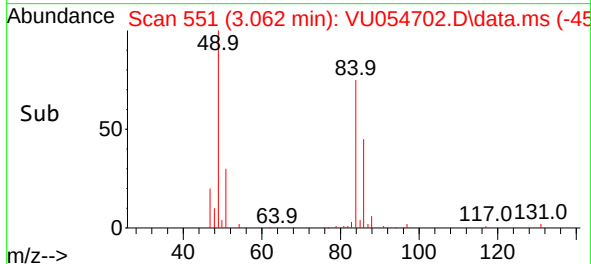
Instrument :
MSVOA_U
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Tgt Ion: 84 Resp: 1358
Ion Ratio Lower Upper
84 100
86 60.7 43.9 81.5
49 146.7 86.1 159.9

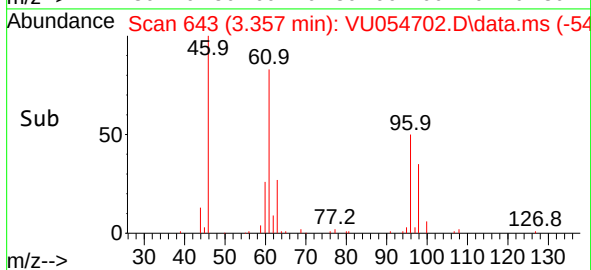
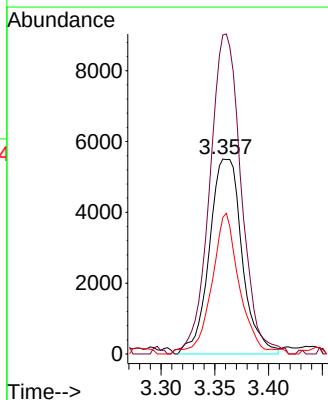
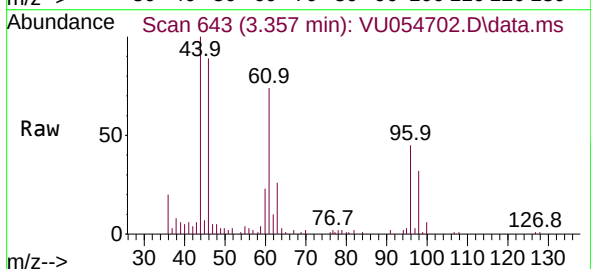
Manual Integrations
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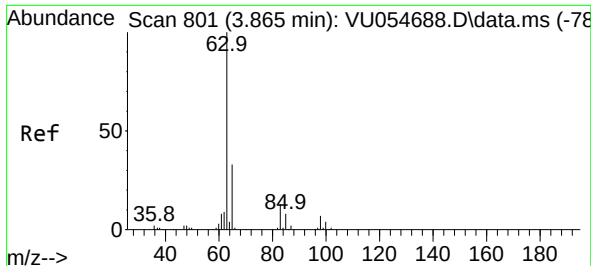
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#18
trans-1,2-Dichloroethene
Concen: 0.662 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01

Tgt Ion: 96 Resp: 11671
Ion Ratio Lower Upper
96 100
61 163.8 104.6 194.2
98 70.2 45.4 84.4





#19

1,1-Dichloroethane

Concen: 10.134 ug/L

RT: 3.878 min Scan# 801

Delta R.T. 0.013 min

Lab File: VU054702.D

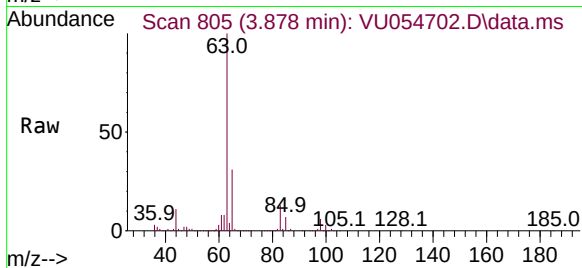
Acq: 29 Jun 2023 18:01

Instrument :

MSVOA_U

ClientSampleId :

HOA48



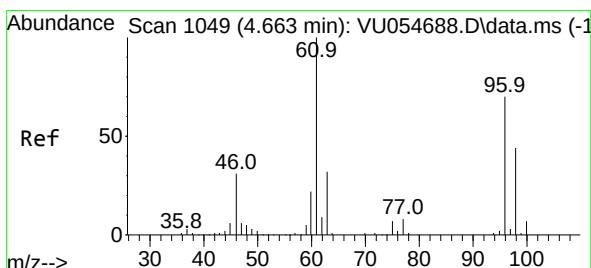
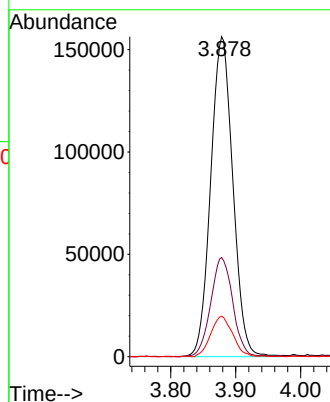
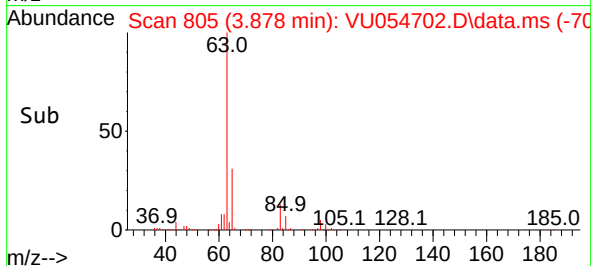
Tgt Ion:	63	Resp:	36984
Ion Ratio	Lower	Upper	
63	100		
65	31.0	22.2	41.2
83	12.7	9.0	16.6

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 3.041 ug/L

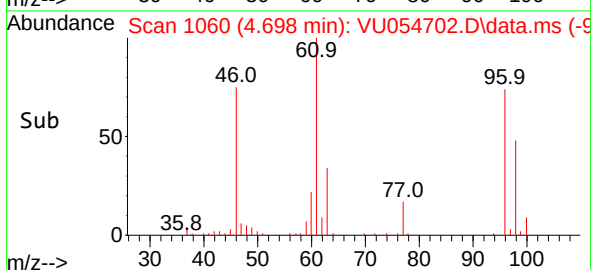
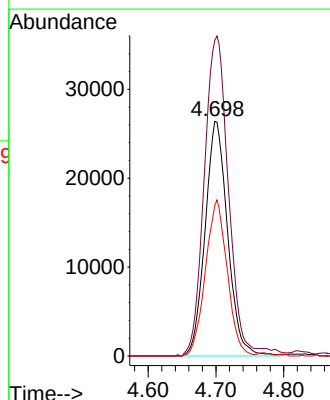
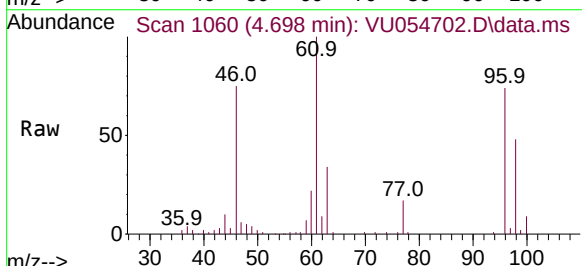
RT: 4.698 min Scan# 1060

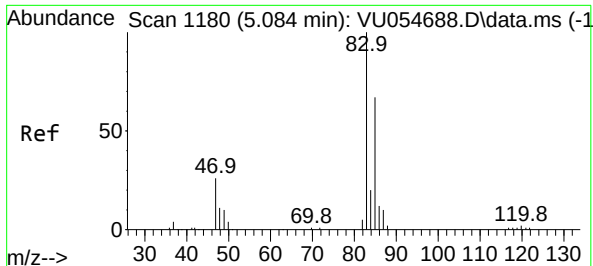
Delta R.T. 0.035 min

Lab File: VU054702.D

Acq: 29 Jun 2023 18:01

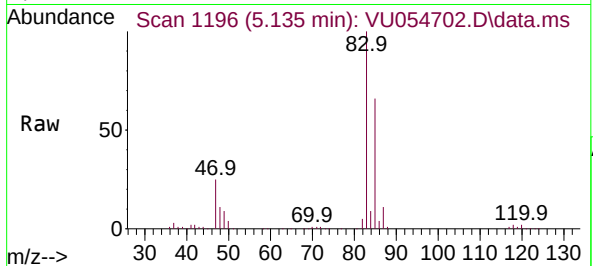
Tgt Ion:	96	Resp:	61074
Ion Ratio	Lower	Upper	
96	100		
61	134.5	96.5	179.1
98	64.1	44.9	83.3





#25
Chloroform
Concen: 19.292 ug/L
RT: 5.135 min Scan# 1180
Delta R.T. 0.051 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01

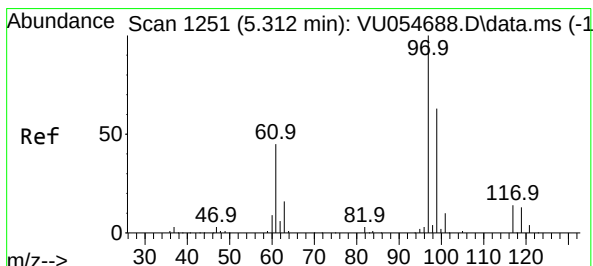
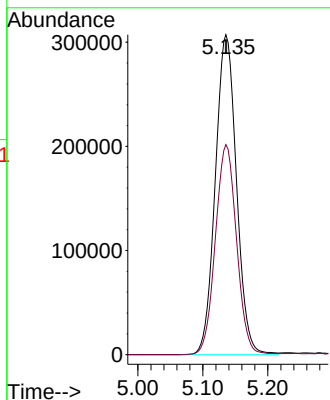
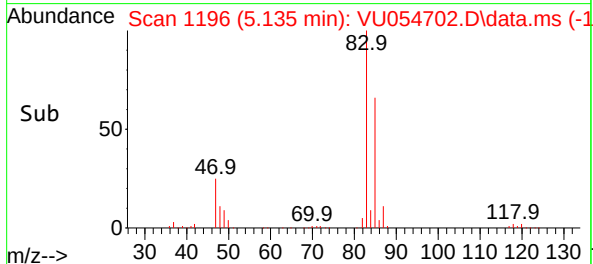
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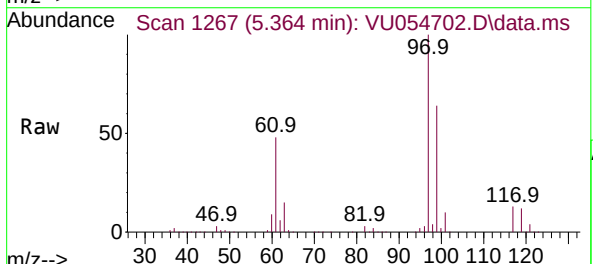
Tgt Ion: 83 Resp: 694115
Ion Ratio Lower Upper
83 100
85 65.6 44.7 82.9

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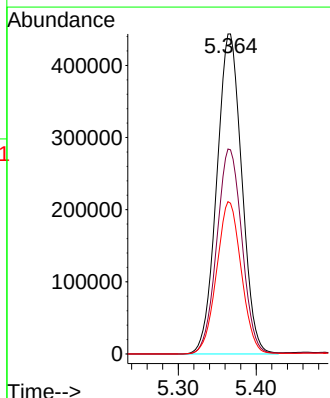
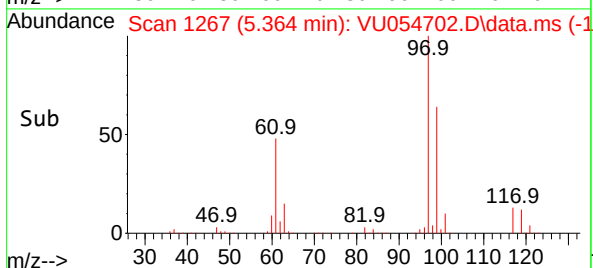
Reviewed By :Krupa Patel 06/30/2023
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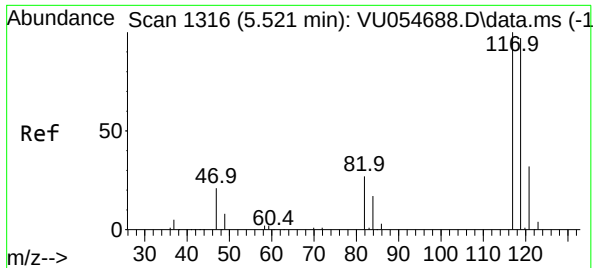


#29
1,1,1-Trichloroethane
Concen: 31.030 ug/L
RT: 5.364 min Scan# 1267
Delta R.T. 0.051 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01



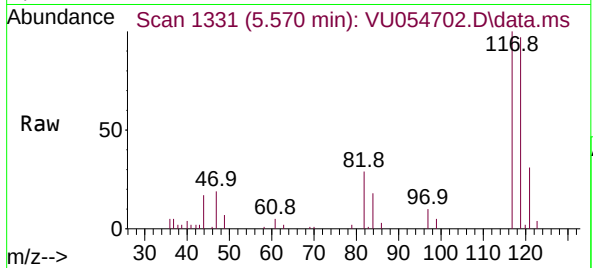
Tgt Ion: 97 Resp: 989433
Ion Ratio Lower Upper
97 100
99 64.4 50.8 76.2
61 47.0 36.1 54.1





#31
Carbon tetrachloride
Concen: 0.712 ug/L
RT: 5.570 min Scan# 117
Delta R.T. 0.048 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01

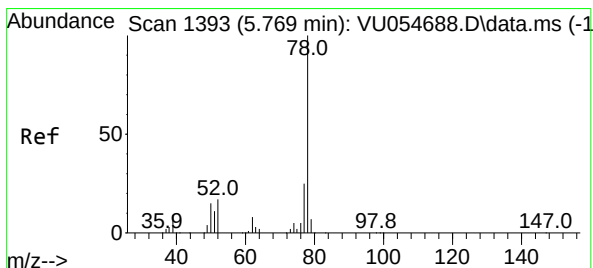
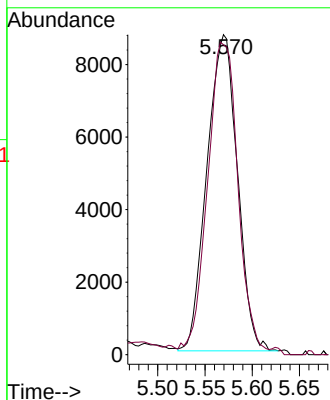
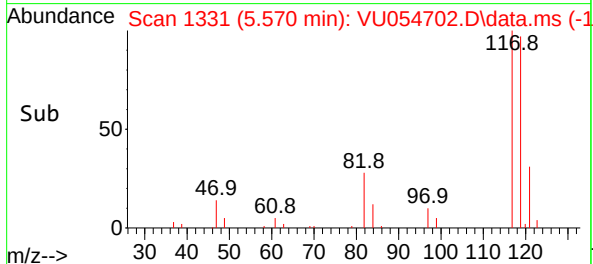
Instrument :
MSVOA_U
ClientSampleId :
HOA48



Tgt Ion:117 Resp: 1957
Ion Ratio Lower Upper
117 100
119 94.7 76.8 115.2

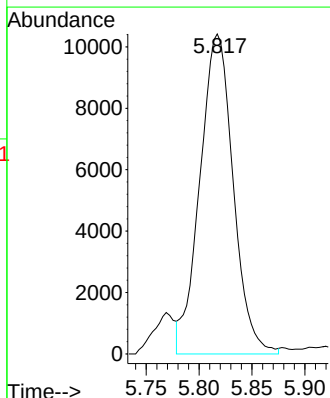
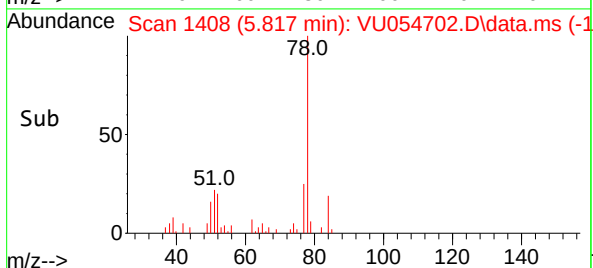
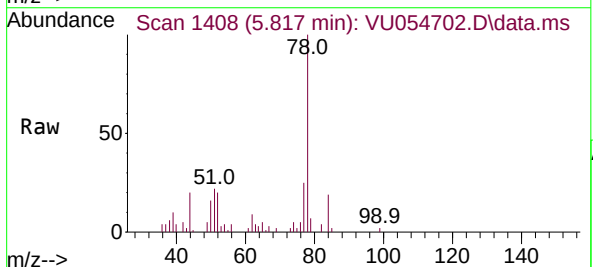
Manual Integrations
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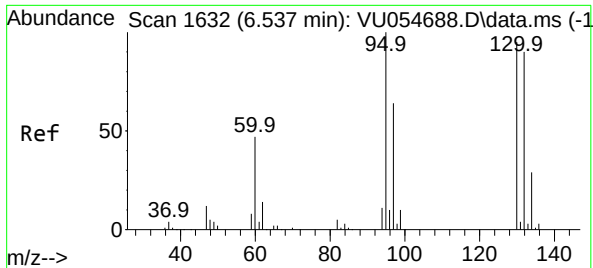
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#33
Benzene
Concen: 0.270 ug/L m
RT: 5.817 min Scan# 1408
Delta R.T. 0.048 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01

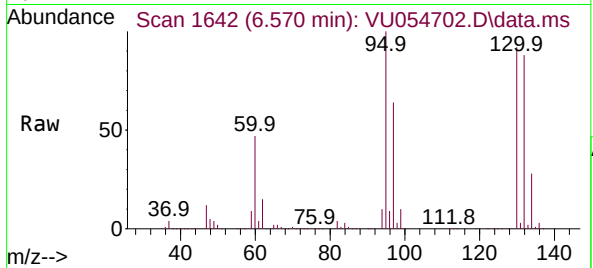
Tgt Ion: 78 Resp: 22832





#34
Trichloroethene
Concen: 203.658 ug/L
RT: 6.570 min Scan# 1642
Delta R.T. 0.032 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01

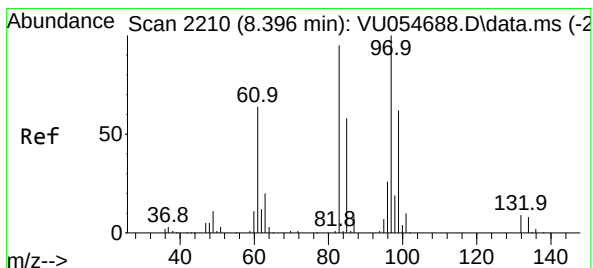
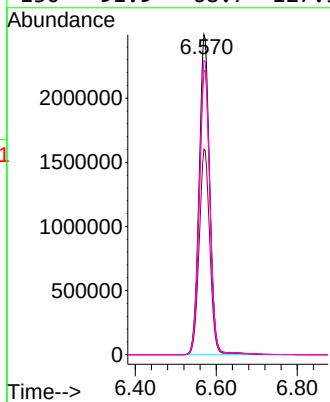
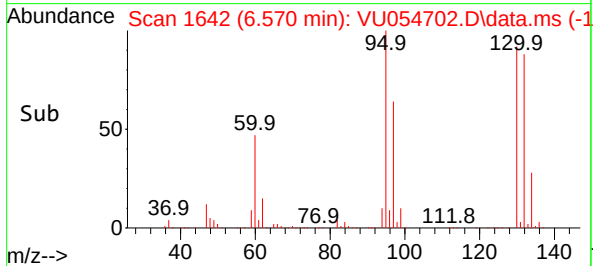
Instrument :
MSVOA_U
ClientSampleId :
HOA48



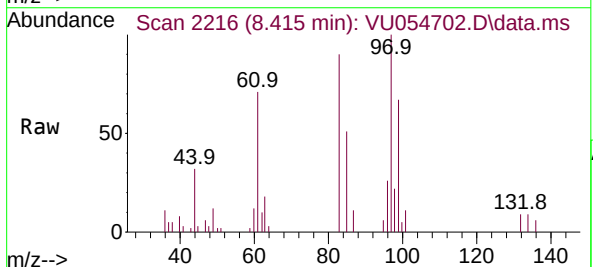
Tgt Ion: 95 Resp: 455127
Ion Ratio Lower Upper
95 100
97 64.2 46.8 87.0
132 88.4 68.4 127.0
130 91.9 68.7 127.5

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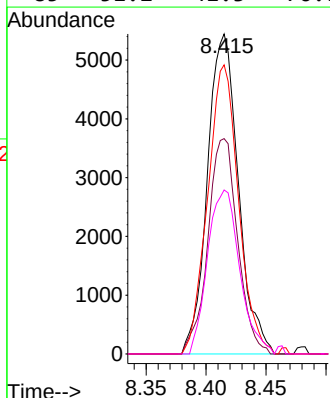
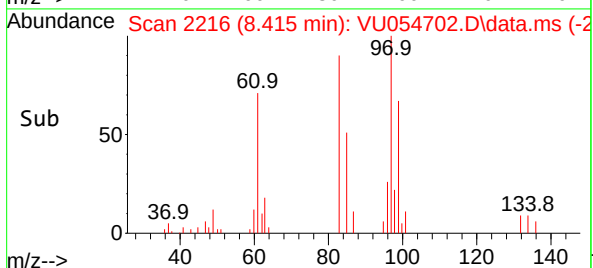
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023

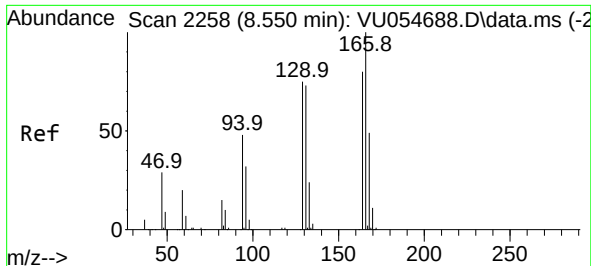


#45
1,1,2-Trichloroethane
Concen: 0.672 ug/L
RT: 8.415 min Scan# 2216
Delta R.T. 0.019 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01



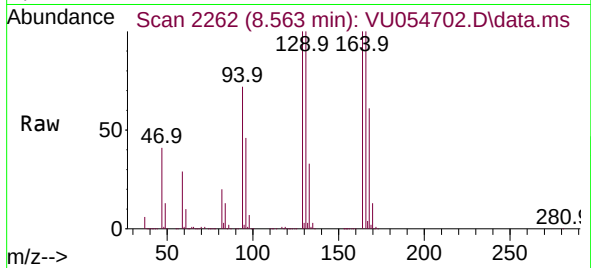
Tgt Ion: 97 Resp: 9772
Ion Ratio Lower Upper
97 100
99 67.3 43.0 80.0
83 90.3 63.8 118.6
85 51.2 41.3 76.7





#47
Tetrachloroethene
Concen: 1282.382 ug/L m
RT: 8.563 min Scan# 2193704
Delta R.T. 0.013 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01

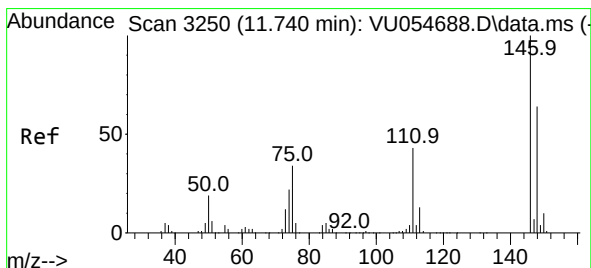
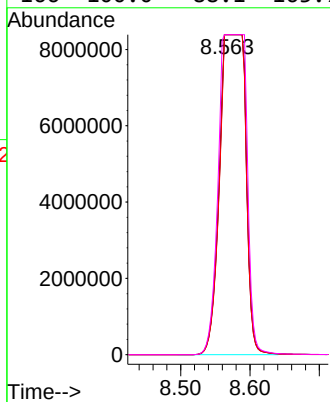
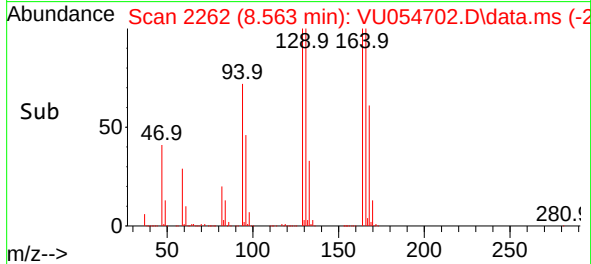
Instrument :
MSVOA_U
ClientSampleId :
HOA48



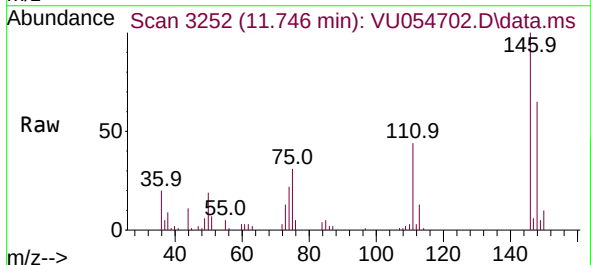
Tgt Ion:164 Resp:2193704
Ion Ratio Lower Upper
164 100
129 100.0 67.7 125.7
131 100.0 64.6 120.0
166 100.0 88.1 163.7

Manual Integrations
APPROVED

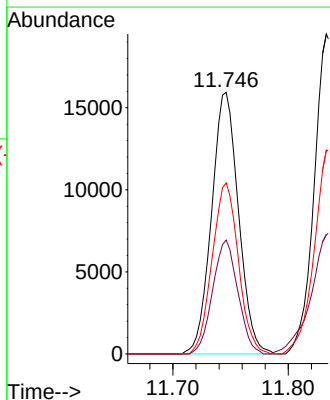
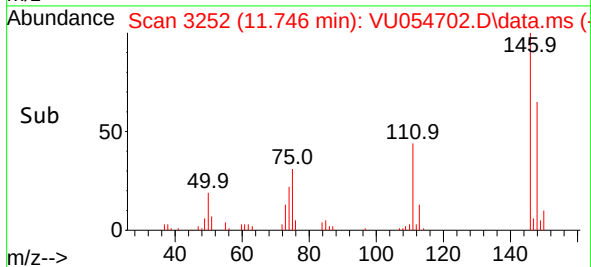
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023

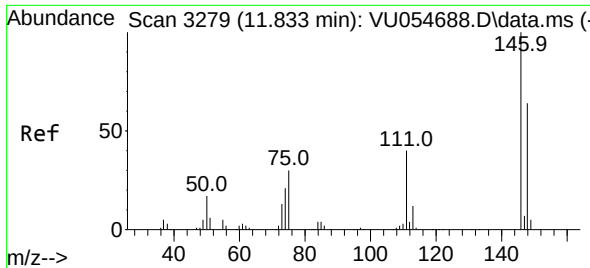


#64
1,3-Dichlorobenzene
Concen: 0.710 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.006 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01



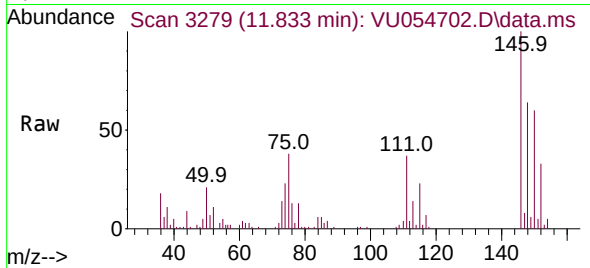
Tgt Ion:146 Resp: 25833
Ion Ratio Lower Upper
146 100
111 43.5 28.9 53.7
148 65.4 44.0 81.8





#65
1,4-Dichlorobenzene
Concen: 0.863 ug/L
RT: 11.833 min Scan# 3148
Delta R.T. 0.003 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01

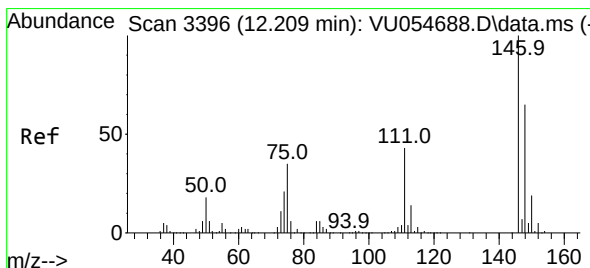
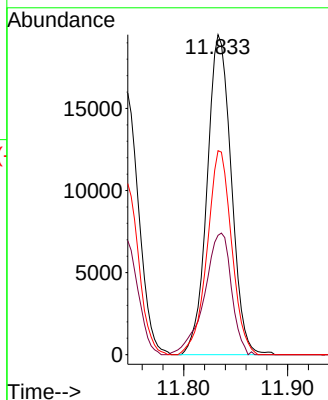
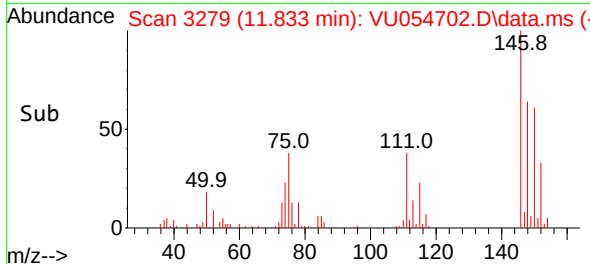
Instrument :
MSVOA_U
ClientSampleId :
HOA48



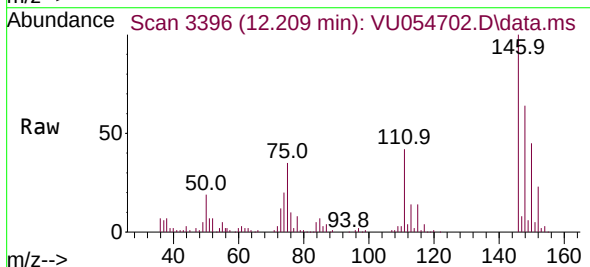
Tgt Ion:146 Resp: 3148
Ion Ratio Lower Upper
146 100
111 37.3 28.0 52.0
148 63.7 44.7 83.1

Manual Integrations
APPROVED

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



#67
1,2-Dichlorobenzene
Concen: 2.525 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. -0.000 min
Lab File: VU054702.D
Acq: 29 Jun 2023 18:01



Tgt Ion:146 Resp: 84446
Ion Ratio Lower Upper
146 100
111 41.6 34.5 51.7
148 63.7 50.9 76.3

