

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022724\
 Data File : VU057952.D
 Acq On : 27 Feb 2024 13:32
 Operator : MD/SY
 Sample : P1601-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2024-01

Quant Time: Feb 28 00:47:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 28 00:40:01 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/28/2024
 Supervised By :Semsettin Yesilyurt 02/28/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	271876	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	263969	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	120325	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	72656	36.913	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	73.820%		
7) Chloroethane-d5	1.904	69	61408	42.210	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.420%		
11) 1,1-Dichloroethene-d2	2.557	63	108082	29.464	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	58.920%#		
21) 2-Butanone-d5	4.612	46	87260	116.679	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	116.680%		
24) Chloroform-d	5.052	84	149676	44.845	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.700%		
26) 1,2-Dichloroethane-d4	5.692	65	97547	46.623	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.240%		
32) Benzene-d6	5.718	84	295748	44.707	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.420%		
36) 1,2-Dichloropropane-d6	6.682	67	98994	46.344	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	92.680%		
41) Toluene-d8	7.891	98	257931	43.073	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.140%		
43) trans-1,3-Dichloroprop...	8.174	79	43762	43.022	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	86.040%		
47) 2-Hexanone-d5	8.627	63	62637	76.277	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	76.280%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	123233	41.809	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	83.620%		
66) 1,2-Dichlorobenzene-d4	12.190	152	91046	46.730	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.460%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	5171	1.735	ug/L	95
3) Chloromethane	1.515	50	5226	1.724	ug/L	94
5) Vinyl chloride	1.596	62	5333	1.782	ug/L #	77
6) Bromomethane	1.850	94	3051	2.611	ug/L	71
8) Chloroethane	1.927	64	3232	1.847	ug/L	99
9) Trichlorofluoromethane	2.132	101	6550	1.789	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	4926	2.315	ug/L #	83
12) 1,1-Dichloroethene	2.570	96	4538	2.305	ug/L #	1
14) Carbon disulfide	2.785	76	11801	1.832	ug/L	98
15) Methyl Acetate	2.949	43	3597	1.596	ug/L	94
16) Methylene chloride	3.036	84	4990	1.945	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	3770	1.846	ug/L	96
18) Methyl tert-butyl Ether	3.354	73	12699	1.786	ug/L	97
19) 1,1-Dichloroethane	3.859	63	7435	1.756	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	4383	1.871	ug/L	92
22) 2-Butanone	4.718	43	5885m	3.508	ug/L	
23) Bromochloromethane	4.968	128	1901	1.670	ug/L	91
27) 1,2-Dichloroethane	5.788	62	6247	1.796	ug/L	97
29) Cyclohexane	5.380	56	6554	1.687	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	5.309	97	6247	1.756	ug/L	98
31) Carbon tetrachloride	5.515	117	5255	1.720	ug/L	96
34) Trichloroethene	6.534	95	4470	1.889	ug/L	87
35) Methylcyclohexane	6.756	83	7178	1.867	ug/L	91
37) 1,2-Dichloropropane	6.785	63	5036	1.938	ug/L #	93
38) Bromodichloromethane	7.100	83	5254	1.684	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	7047	1.775	ug/L	91
42) Toluene	7.965	91	17054	1.790	ug/L	96
44) trans-1,3-Dichloropropene	8.209	75	6390m	1.734	ug/L	
45) 1,1,2-Trichloroethane	8.396	97	4158	1.801	ug/L	82
46) Tetrachloroethene	8.550	164	2900	1.781	ug/L	91
49) Dibromochloromethane	8.801	129	3874	1.685	ug/L	98
50) 1,2-Dibromoethane	8.920	107	4105	1.689	ug/L #	94
51) Chlorobenzene	9.444	112	11130	1.837	ug/L	96
52) Ethylbenzene	9.566	91	18361	1.719	ug/L	99
53) m,p-Xylene	9.692	106	6723	1.730	ug/L	84
54) o-Xylene	10.097	106	5933	1.545	ug/L	96
55) Styrene	10.116	104	9797	1.488	ug/L	96
57) 1,1,1,2-Tetrachloroethane	10.778	83	6610	1.681	ug/L	98
60) 1,2,3-Trichloropropane	10.820	75	4681	1.679	ug/L	93
61) Isopropylbenzene	10.483	105	16716	1.778	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	12363	1.526	ug/L	99
63) 1,2,4-Trimethylbenzene	11.470	105	12247	1.504	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	7549	1.816	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	8092	1.911	ug/L	94
67) 1,2-Dichlorobenzene	12.206	146	7387	1.806	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.997	75	983m	1.485	ug/L	
69) 1,3,5-Trichlorobenzene	13.219	180	4484	1.603	ug/L #	83
70) 1,2,4-trichlorobenzene	13.846	180	3081m	1.368	ug/L	
72) 1,2,3-Trichlorobenzene	14.331	180	3729	1.803	ug/L	91

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

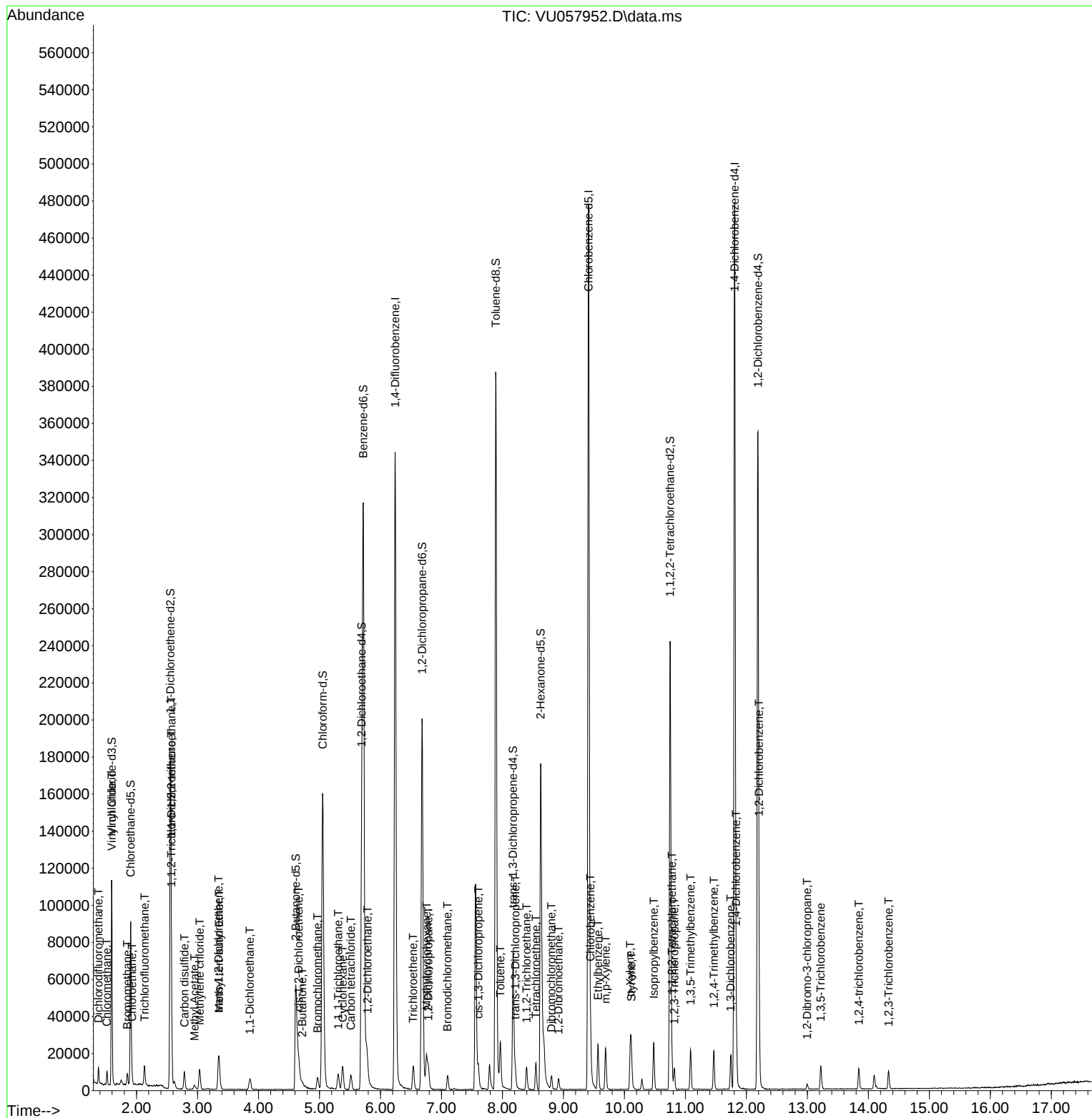
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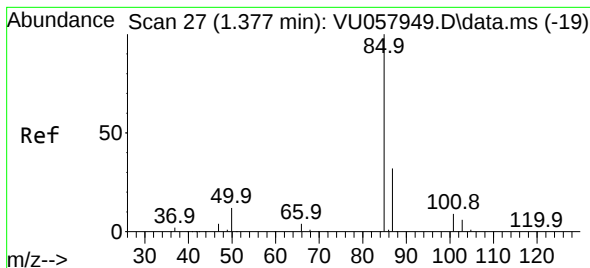
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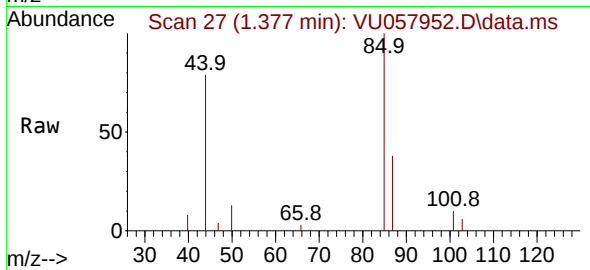
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024





#2
Dichlorodifluoromethane
Concen: 1.735 ug/L
RT: 1.377 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

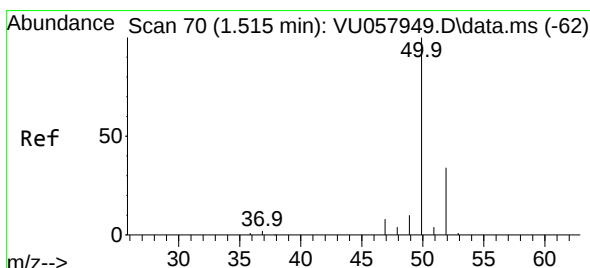
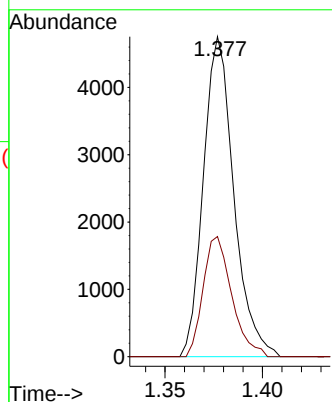
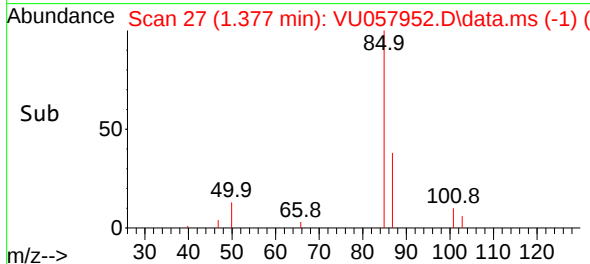
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion: 85 Resp: 517
Ion Ratio Lower Upper
85 100
87 35.3 26.2 39.2

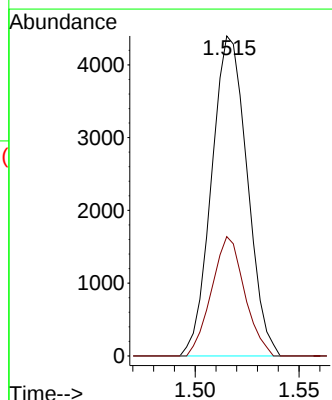
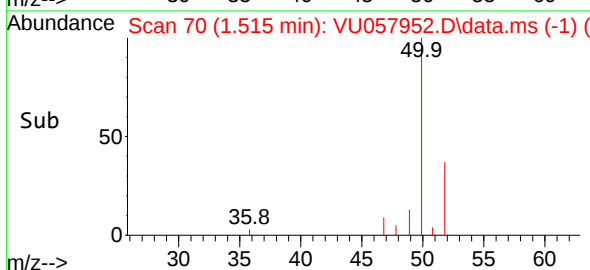
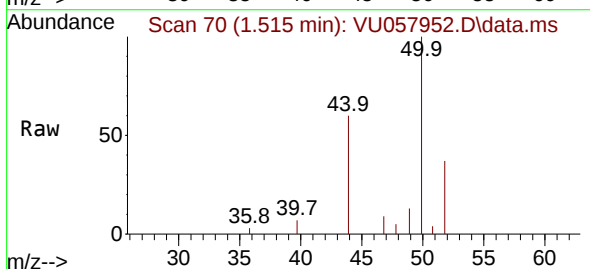
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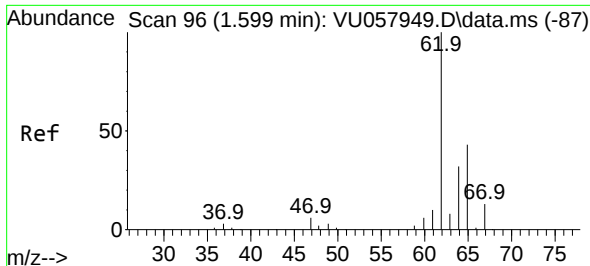
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#3
Chloromethane
Concen: 1.724 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

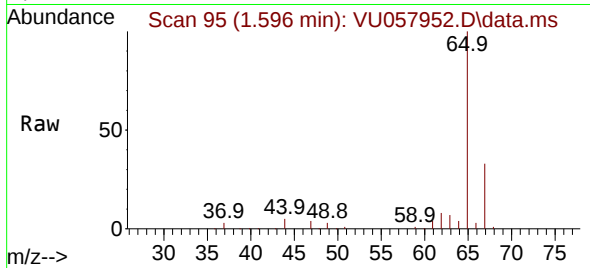
Tgt Ion: 50 Resp: 5226
Ion Ratio Lower Upper
50 100
52 37.3 23.8 44.2





#5
 Vinyl chloride
 Concen: 1.782 ug/L
 RT: 1.596 min Scan# 90
 Delta R.T. -0.003 min
 Lab File: VU057952.D
 Acq: 27 Feb 2024 13:32

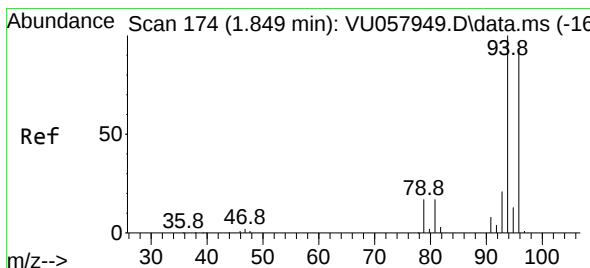
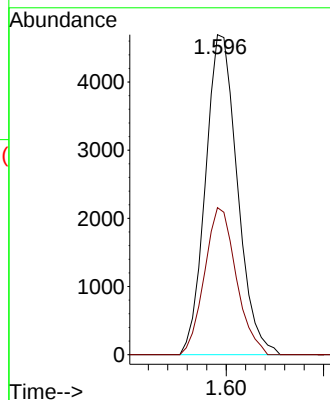
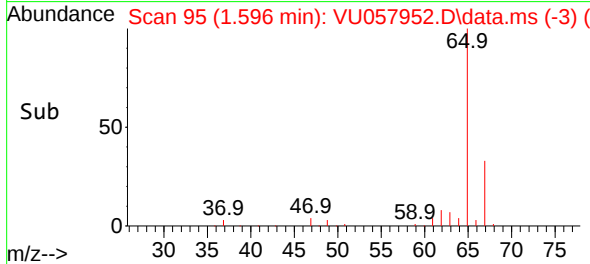
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2024-01



Tgt Ion: 62 Resp: 533
 Ion Ratio Lower Upper
 62 100
 64 45.9 23.1 42.9

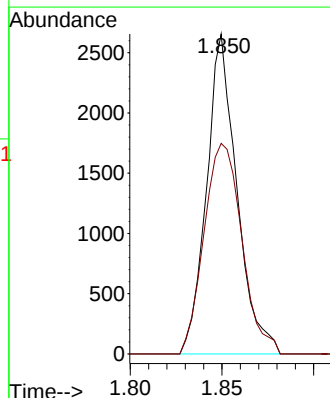
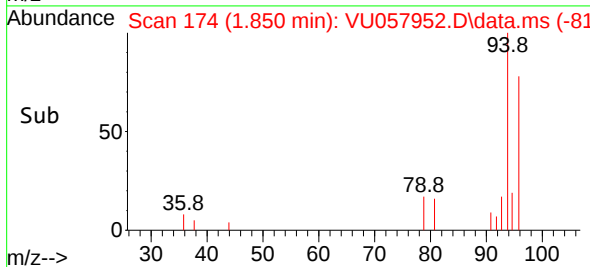
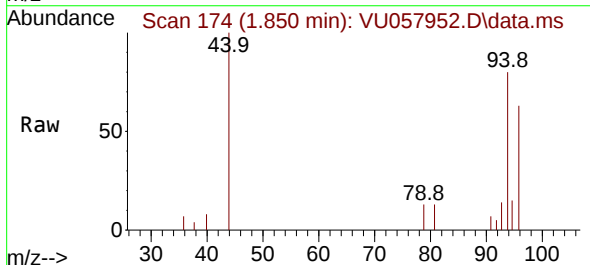
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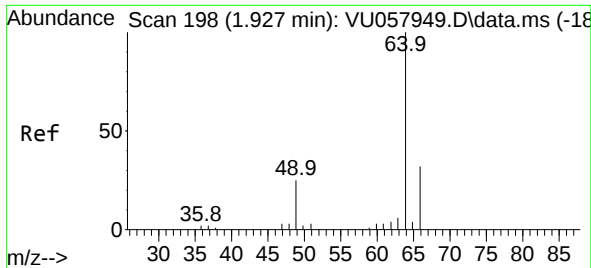
Reviewed By :Mahesh Dadoda 02/28/2024
 Supervised By :Semsettin Yesilyurt 02/28/2024



#6
 Bromomethane
 Concen: 2.611 ug/L
 RT: 1.850 min Scan# 174
 Delta R.T. 0.000 min
 Lab File: VU057952.D
 Acq: 27 Feb 2024 13:32

Tgt Ion: 94 Resp: 3051
 Ion Ratio Lower Upper
 94 100
 96 65.8 65.5 121.7





#8

Chloroethane

Concen: 1.847 ug/L

RT: 1.927 min Scan# 198

Delta R.T. 0.000 min

Lab File: VU057952.D

Acq: 27 Feb 2024 13:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2024-01

Tgt Ion: 64 Resp: 323

Ion Ratio Lower Upper

64 100

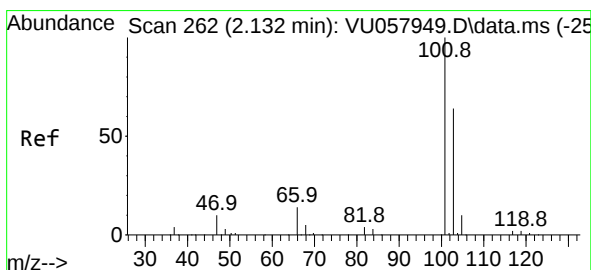
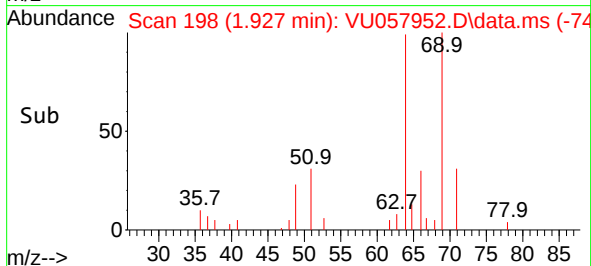
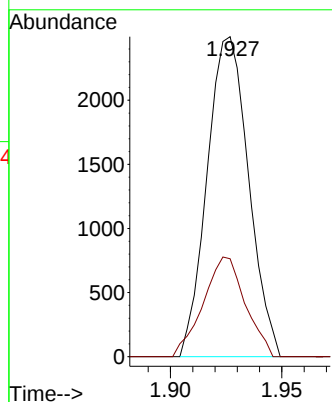
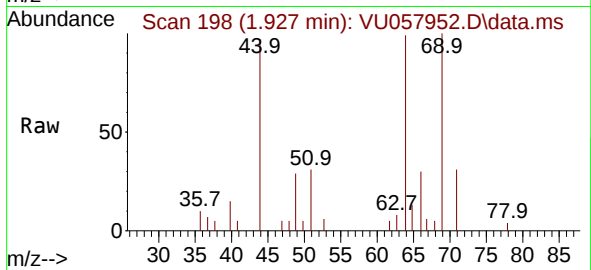
66 32.9 22.5 41.9

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Supervised By :Semsettin Yesilyurt 02/28/2024



#9

Trichlorofluoromethane

Concen: 1.789 ug/L

RT: 2.132 min Scan# 262

Delta R.T. 0.000 min

Lab File: VU057952.D

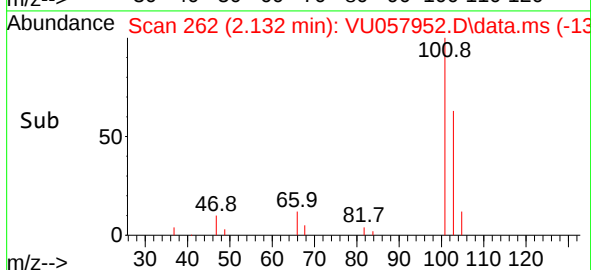
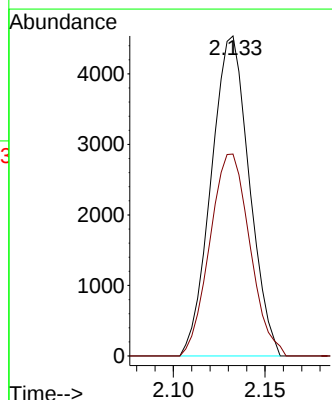
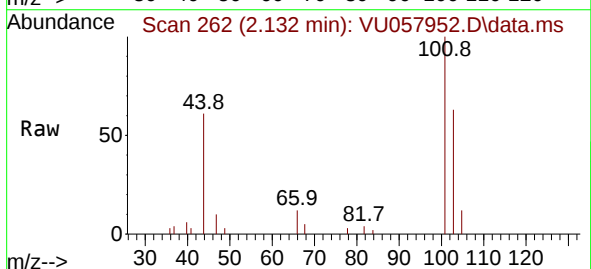
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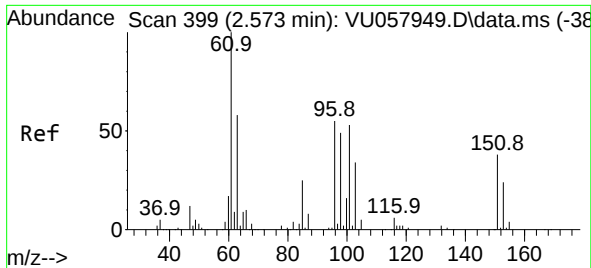
Tgt Ion:101 Resp: 6550

Ion Ratio Lower Upper

101 100

103 66.3 51.7 77.5





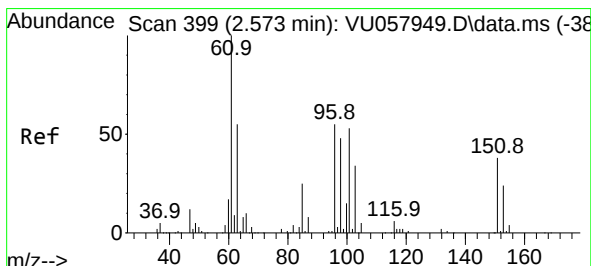
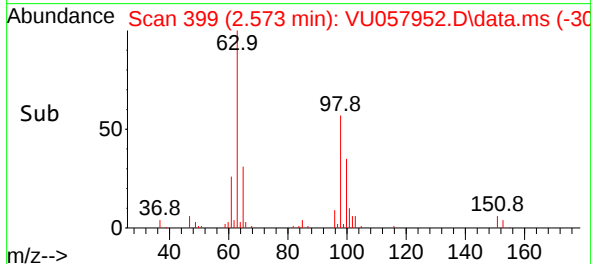
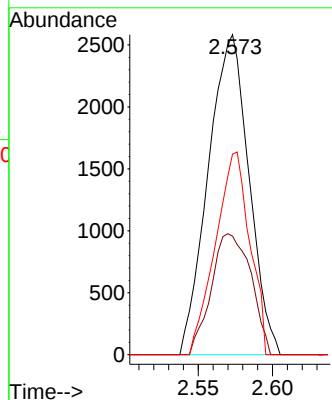
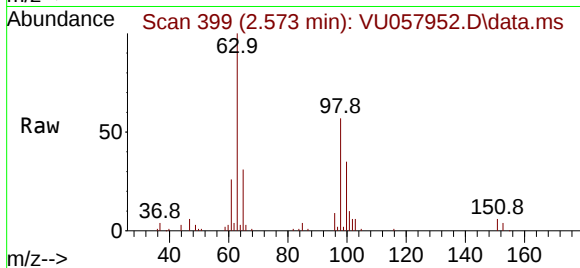
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.315 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU057952.D
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Tgt Ion:101 Resp: 4920
Ion Ratio Lower Upper
101 100
85 36.8 35.7 53.5
151 53.4 55.8 83.6

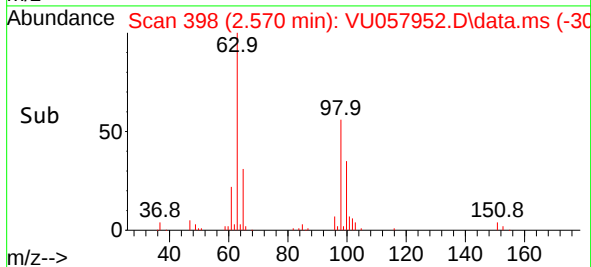
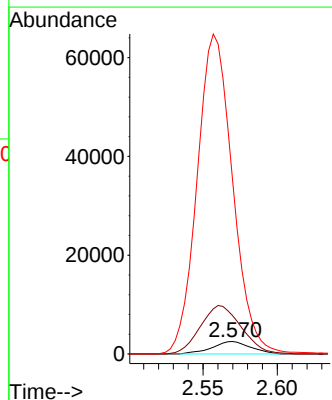
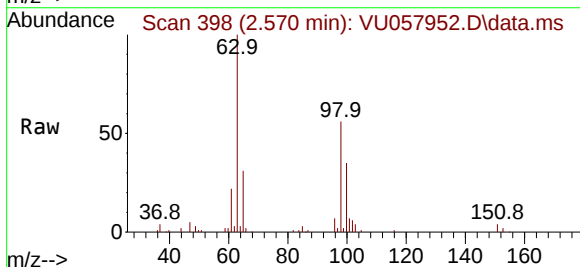
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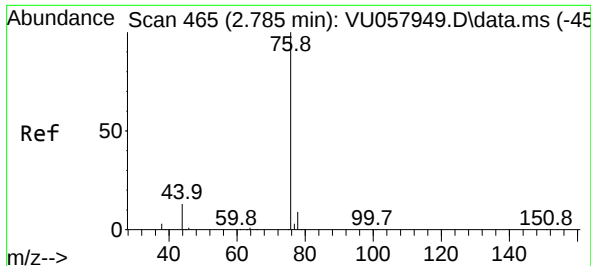
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#12
1,1-Dichloroethene
Concen: 2.305 ug/L
RT: 2.570 min Scan# 398
Delta R.T. -0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

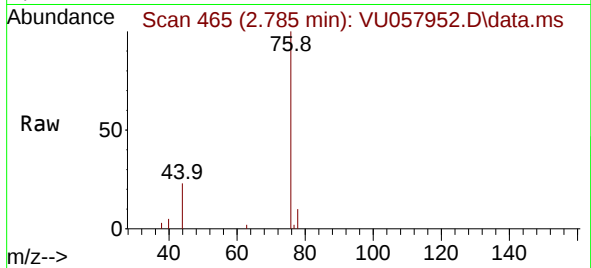
Tgt Ion: 96 Resp: 4538
Ion Ratio Lower Upper
96 100
61 309.9 126.8 235.6#
63 1406.4 86.5 160.7#





#14
Carbon disulfide
Concen: 1.832 ug/L
RT: 2.785 min Scan# 465
Delta R.T. 0.000 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

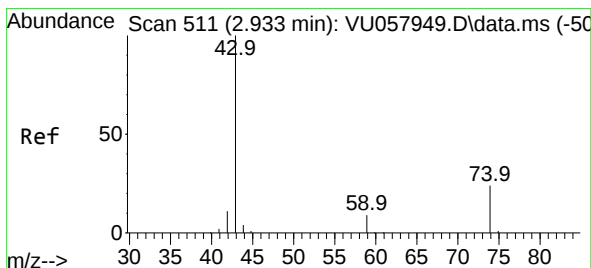
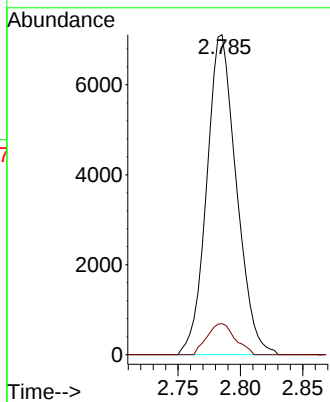
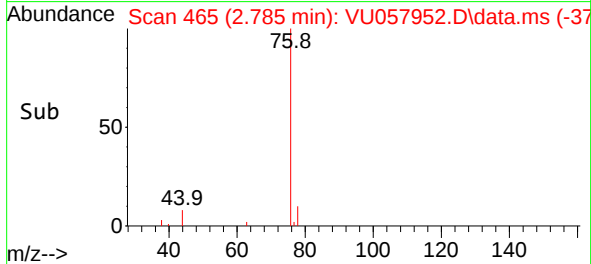
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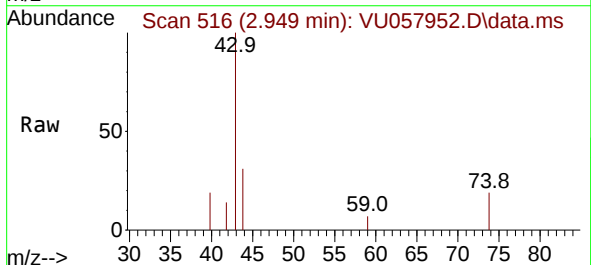
Tgt Ion: 76 Resp: 1180
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7

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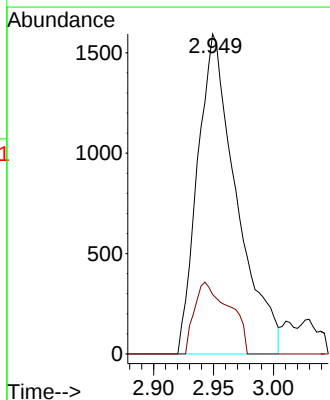
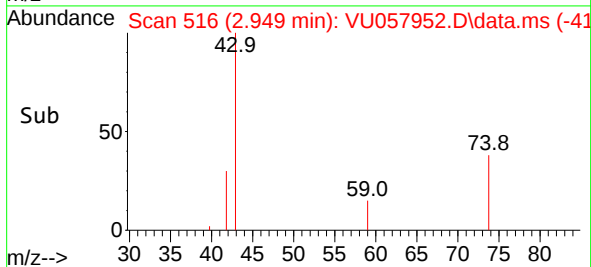
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024

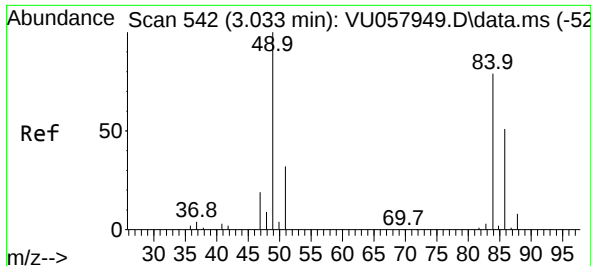


#15
Methyl Acetate
Concen: 1.596 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.016 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32



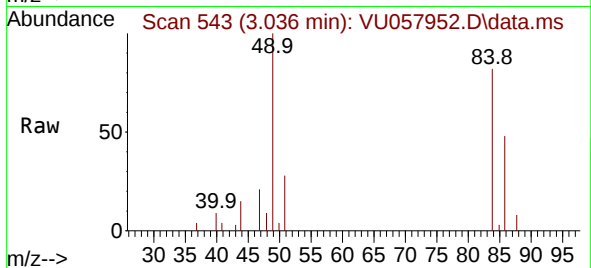
Tgt Ion: 43 Resp: 3597
Ion Ratio Lower Upper
43 100
74 20.1 18.6 27.8





#16
Methylene chloride
Concen: 1.945 ug/L
RT: 3.036 min Scan# 542
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

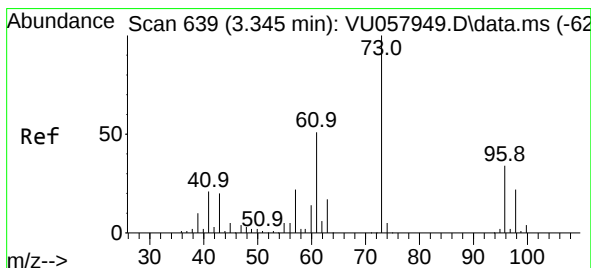
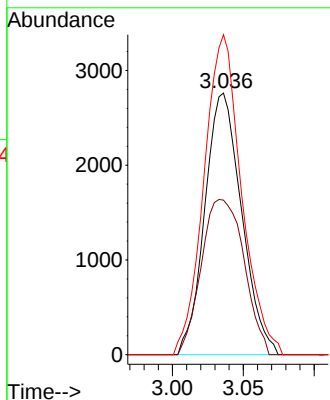
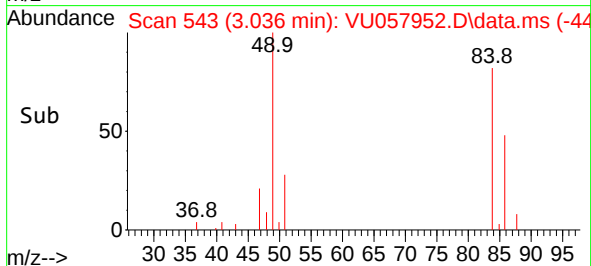
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion: 84 Resp: 4990
Ion Ratio Lower Upper
84 100
86 59.1 45.1 83.7
49 122.3 89.7 166.5

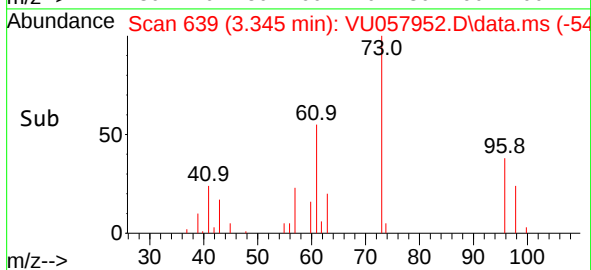
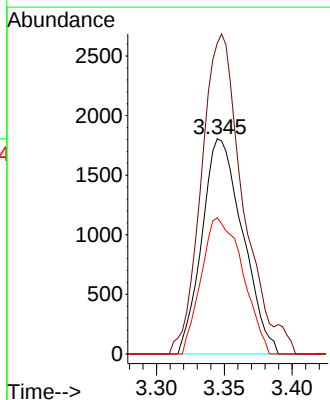
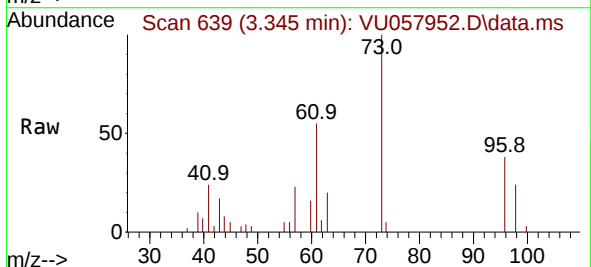
Manual Integrations
APPROVED

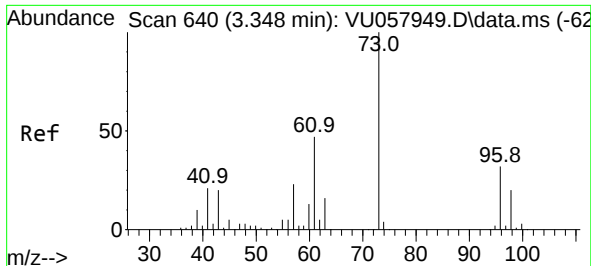
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#17
trans-1,2-Dichloroethene
Concen: 1.846 ug/L
RT: 3.345 min Scan# 639
Delta R.T. 0.000 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

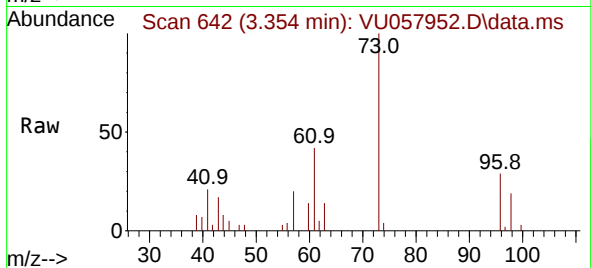
Tgt Ion: 96 Resp: 3770
Ion Ratio Lower Upper
96 100
61 144.4 106.3 197.3
98 63.3 44.4 82.5





#18
Methyl tert-butyl Ether
Concen: 1.786 ug/L
RT: 3.354 min Scan# 640
Delta R.T. 0.007 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

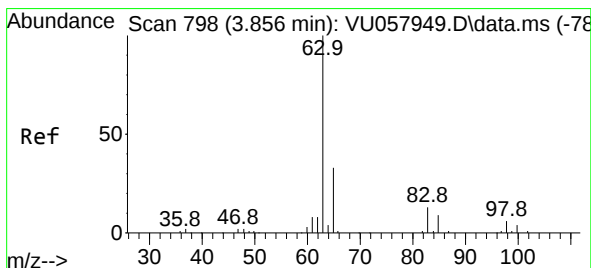
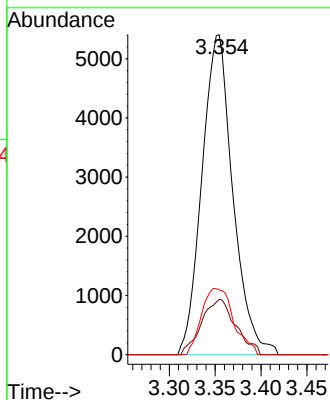
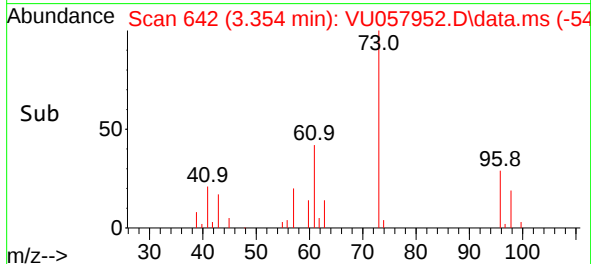
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-01



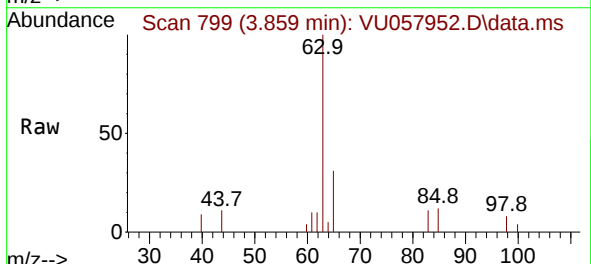
Tgt Ion: 73 Resp: 1269
Ion Ratio Lower Upper
73 100
43 18.3 16.0 24.0
57 21.5 17.8 26.6

Manual Integrations
APPROVED

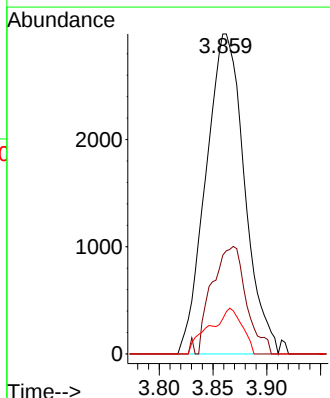
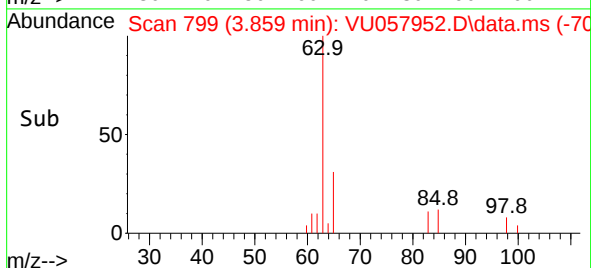
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024

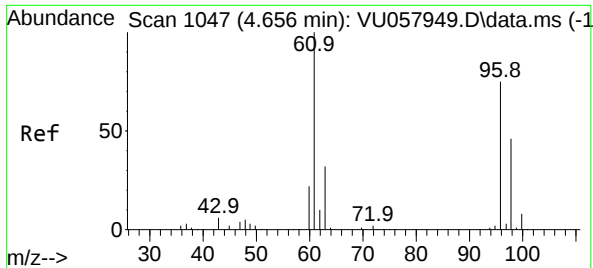


#19
1,1-Dichloroethane
Concen: 1.756 ug/L
RT: 3.859 min Scan# 799
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32



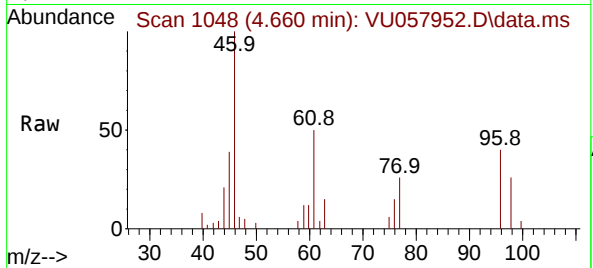
Tgt Ion: 63 Resp: 7435
Ion Ratio Lower Upper
63 100
65 30.9 21.7 40.3
83 11.1 9.4 17.4





#20
cis-1,2-Dichloroethene
Concen: 1.871 ug/L
RT: 4.660 min Scan# 1047
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

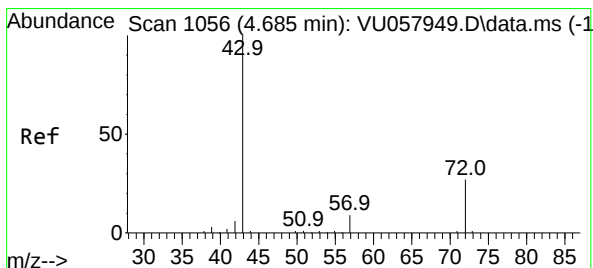
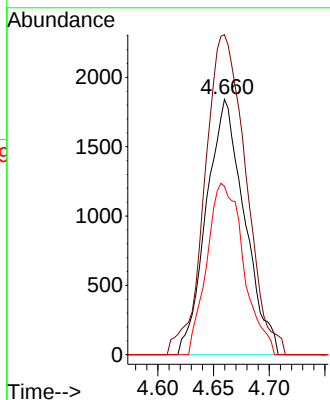
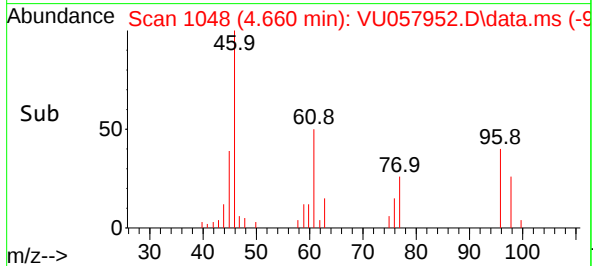
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2024-01



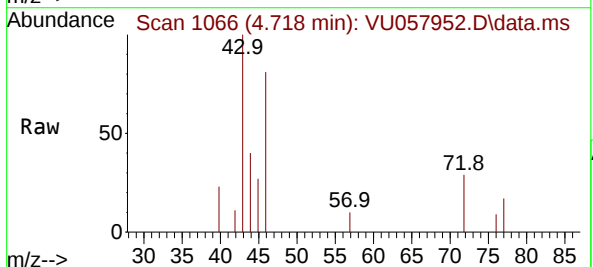
Tgt Ion: 96 Resp: 438
Ion Ratio Lower Upper
96 100
61 125.3 96.7 179.7
98 65.9 44.3 82.3

Manual Integrations
APPROVED

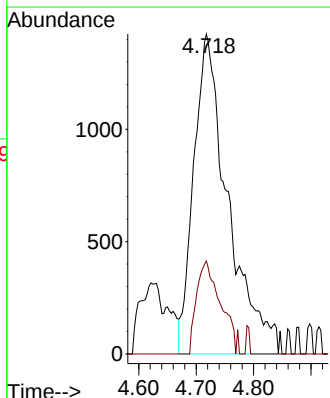
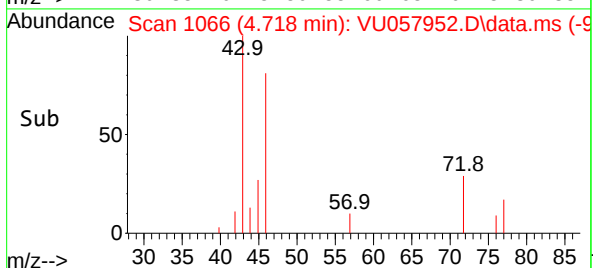
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024

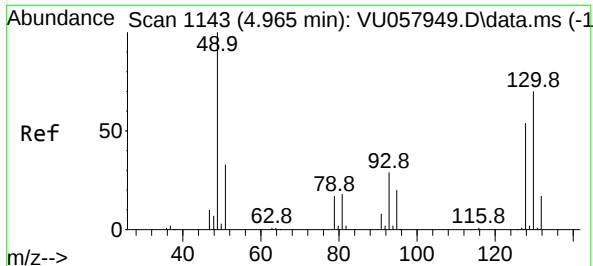


#22
2-Butanone
Concen: 3.508 ug/L m
RT: 4.718 min Scan# 1066
Delta R.T. 0.032 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32



Tgt Ion: 43 Resp: 5885
Ion Ratio Lower Upper
43 100
72 20.2 13.8 41.3





#23

Bromochloromethane

Concen: 1.670 ug/L

RT: 4.968 min Scan# 1144

Delta R.T. 0.003 min

Lab File: VU057952.D

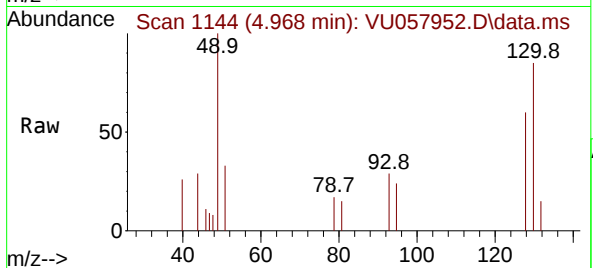
Acq: 27 Feb 2024 13:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2024-01



Tgt Ion:128 Resp: 190

Ion Ratio Lower Upper

128 100

49 167.6 124.0 230.4

130 142.2 87.8 163.0

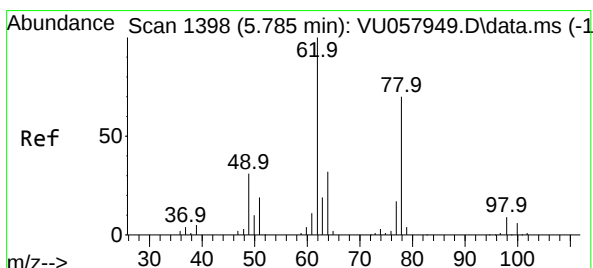
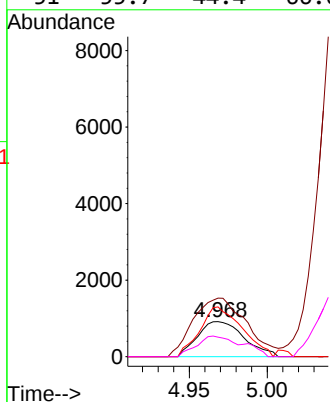
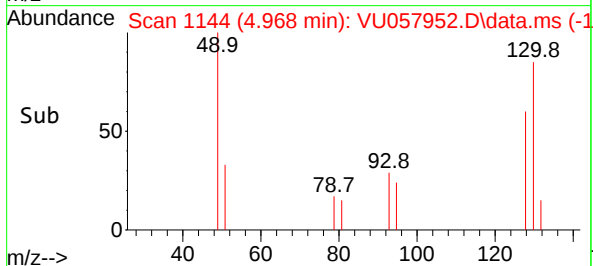
51 55.7 44.4 66.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/28/2024

Supervised By :Semsettin Yesilyurt 02/28/2024



#27

1,2-Dichloroethane

Concen: 1.796 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU057952.D

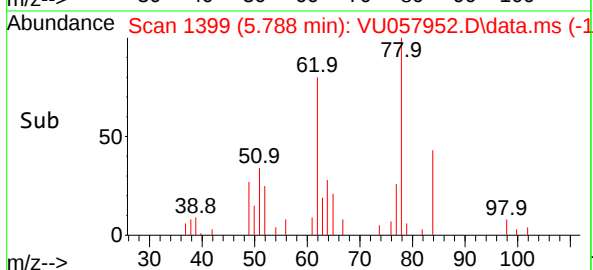
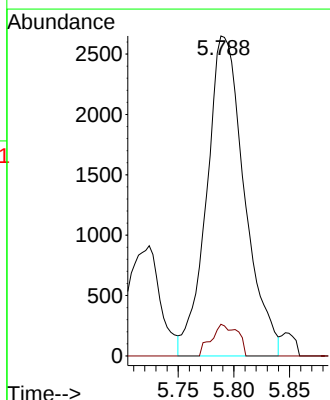
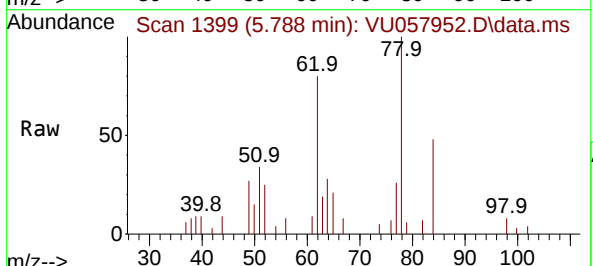
Acq: 27 Feb 2024 13:32

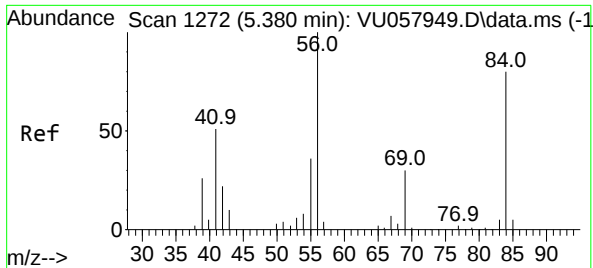
Tgt Ion: 62 Resp: 6247

Ion Ratio Lower Upper

62 100

98 9.9 7.1 10.7





#29

Cyclohexane

Concen: 1.687 ug/L

RT: 5.380 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU057952.D

Acq: 27 Feb 2024 13:32

Instrument :

MSVOA_U

ClientSampleId :

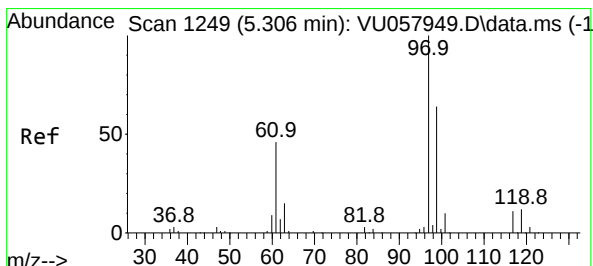
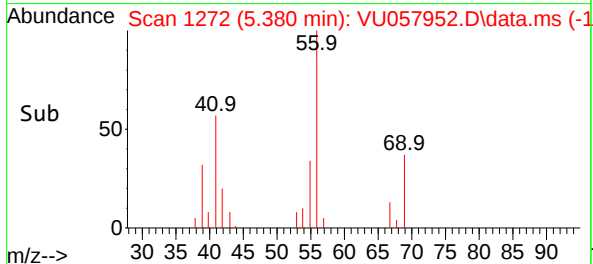
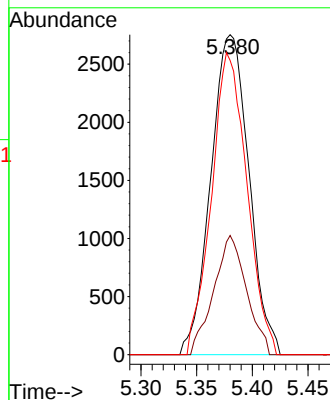
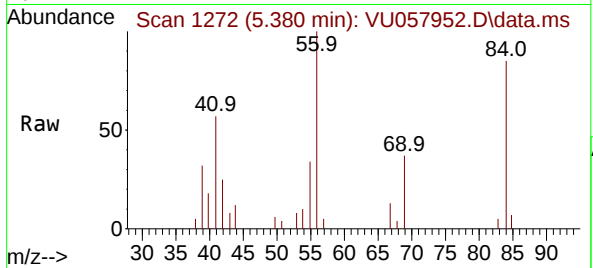
MDL-WATER-QT1-2024-01

Tgt Ion: 56	Resp: 655
Ion Ratio	Lower Upper
56 100	
69 32.1	24.6 36.8
84 87.7	66.9 100.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#30

1,1,1-Trichloroethane

Concen: 1.756 ug/L

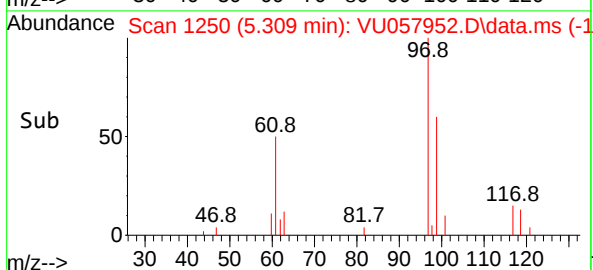
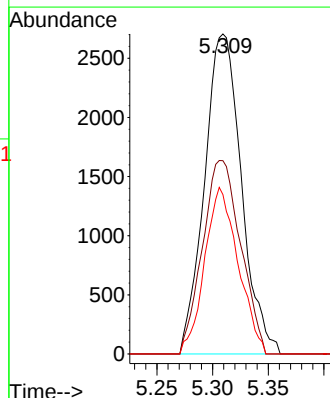
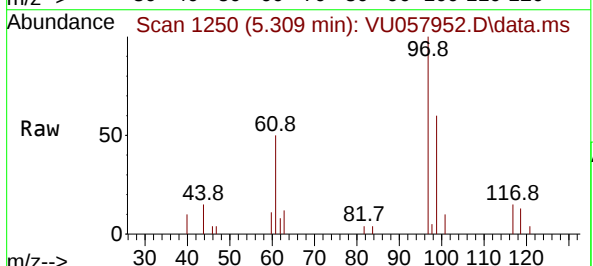
RT: 5.309 min Scan# 1250

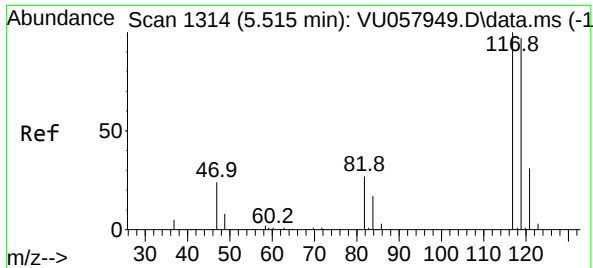
Delta R.T. 0.003 min

Lab File: VU057952.D

Acq: 27 Feb 2024 13:32

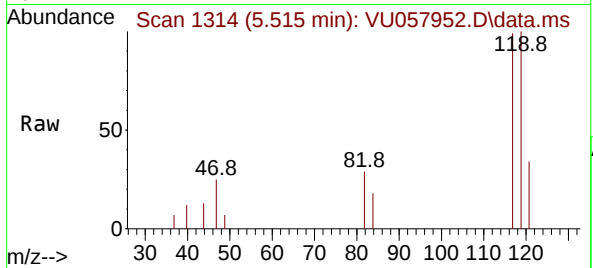
Tgt Ion: 97	Resp: 6247
Ion Ratio	Lower Upper
97 100	
99 62.4	51.6 77.4
61 47.2	36.8 55.2





#31
Carbon tetrachloride
Concen: 1.720 ug/L
RT: 5.515 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

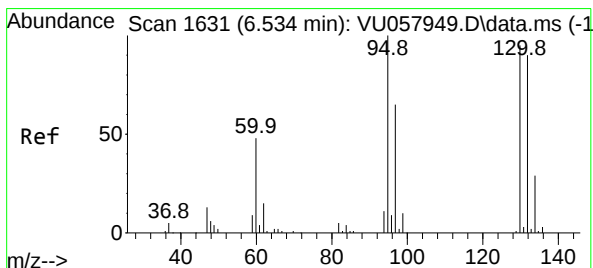
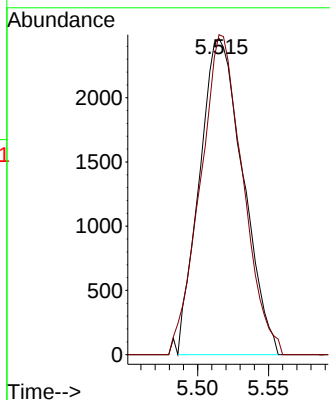
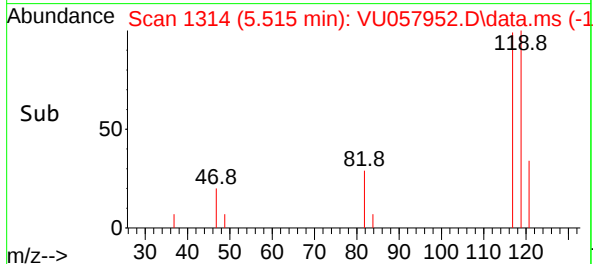
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-01



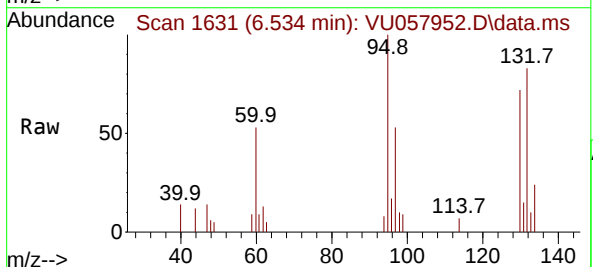
Tgt Ion:117 Resp: 525
Ion Ratio Lower Upper
117 100
119 98.5 75.9 113.9

Manual Integrations
APPROVED

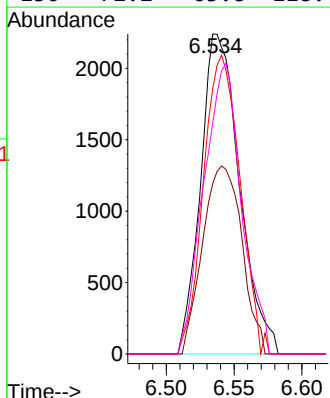
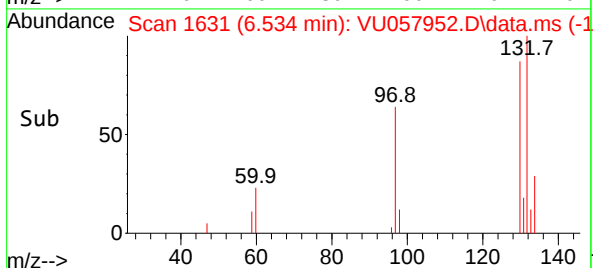
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024

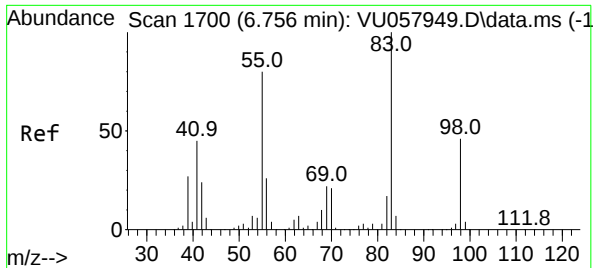


#34
Trichloroethene
Concen: 1.889 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32



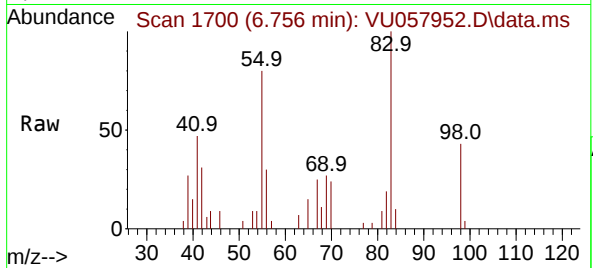
Tgt Ion: 95 Resp: 4470
Ion Ratio Lower Upper
95 100
97 53.3 44.2 82.2
132 92.8 61.4 114.0
130 72.2 63.8 118.4





#35
Methylcyclohexane
Concen: 1.867 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

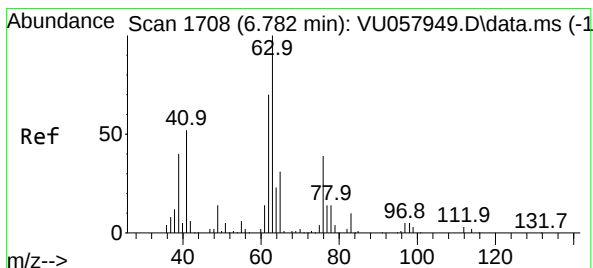
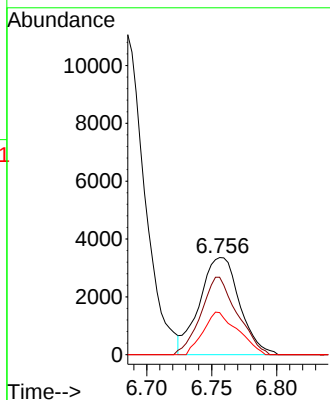
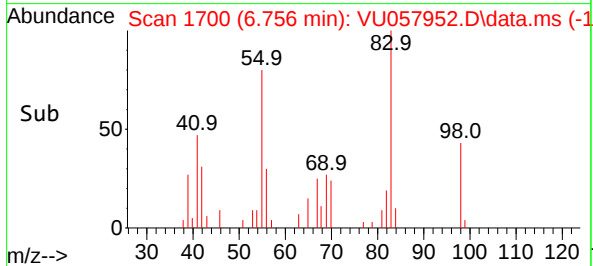
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2024-01



Tgt Ion: 83 Resp: 7178
Ion Ratio Lower Upper
83 100
55 72.2 62.7 94.1
98 37.9 36.3 54.5

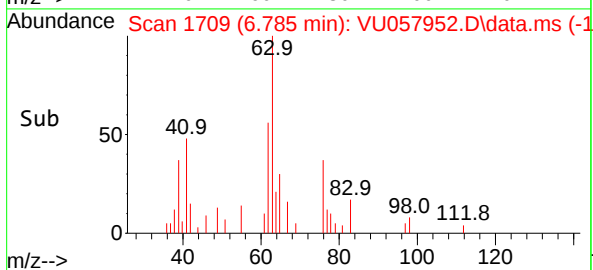
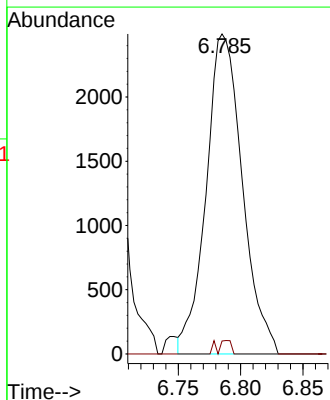
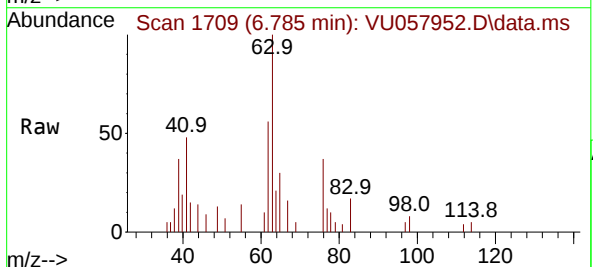
Manual Integrations
APPROVED

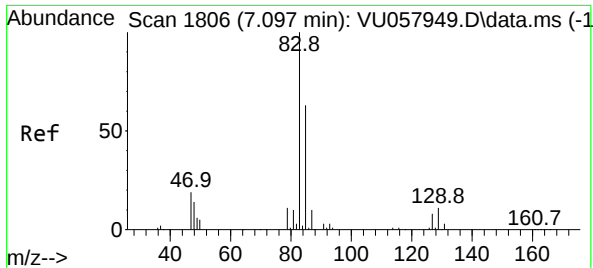
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#37
1,2-Dichloropropane
Concen: 1.938 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

Tgt Ion: 63 Resp: 5036
Ion Ratio Lower Upper
63 100
112 1.2 2.9 4.3#





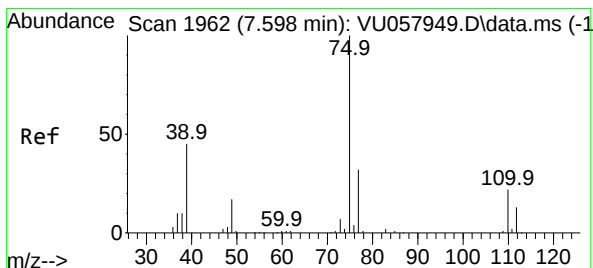
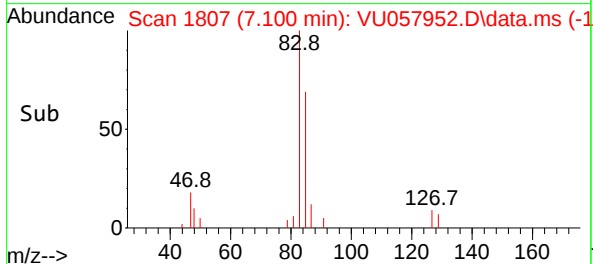
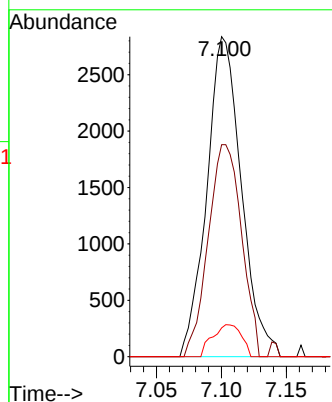
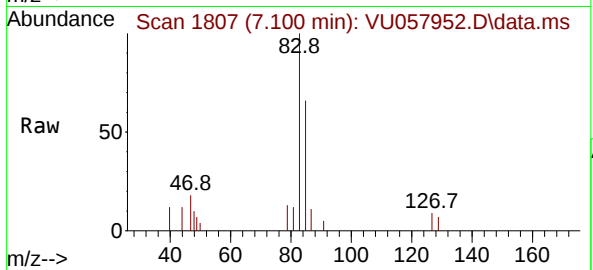
#38
Bromodichloromethane
Concen: 1.684 ug/L
RT: 7.100 min Scan# 1806
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2024-01

Tgt Ion: 83 Resp: 5254
Ion Ratio Lower Upper
83 100
85 66.3 45.4 84.4
127 9.0 7.5 11.3

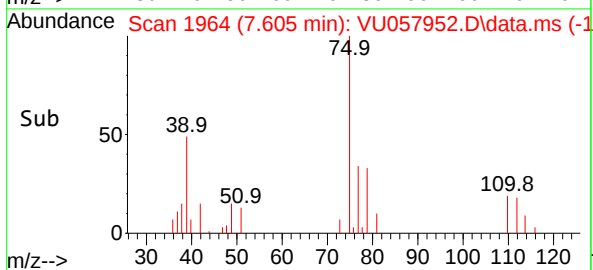
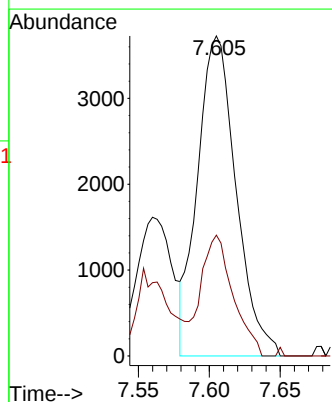
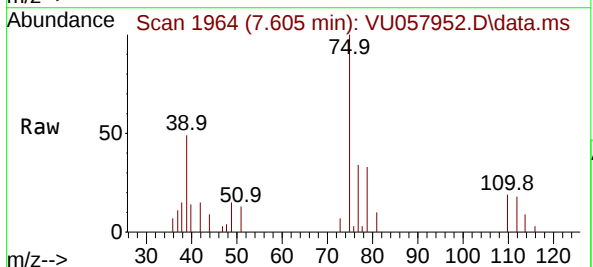
Manual Integrations
APPROVED

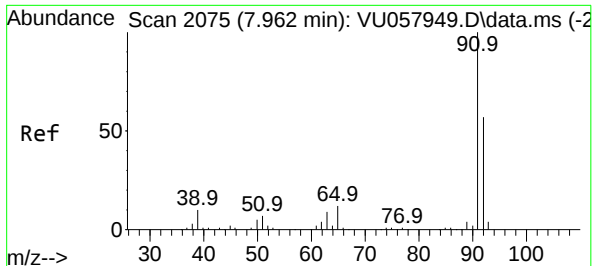
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#39
cis-1,3-Dichloropropene
Concen: 1.775 ug/L
RT: 7.605 min Scan# 1964
Delta R.T. 0.007 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

Tgt Ion: 75 Resp: 7047
Ion Ratio Lower Upper
75 100
77 36.5 22.0 41.0





#42

Toluene

Concen: 1.790 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057952.D

Acq: 27 Feb 2024 13:32

Instrument :

MSVOA_U

ClientSampleId :

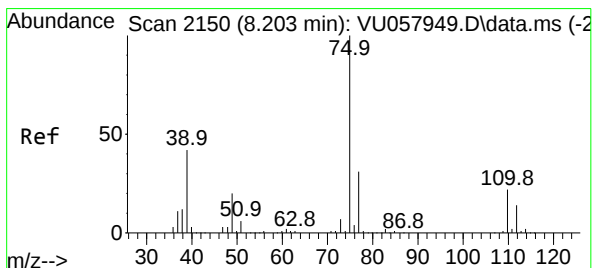
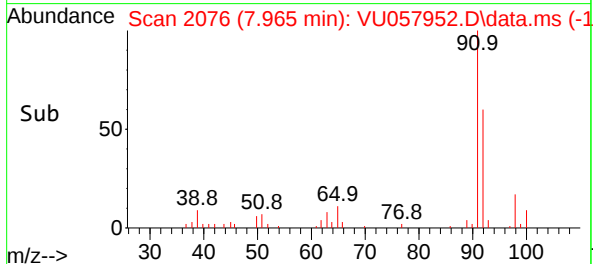
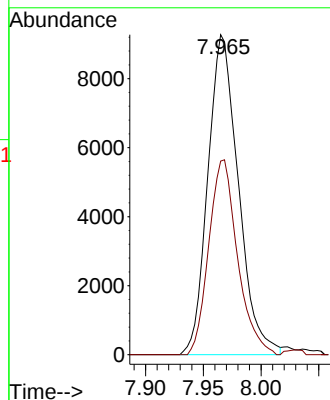
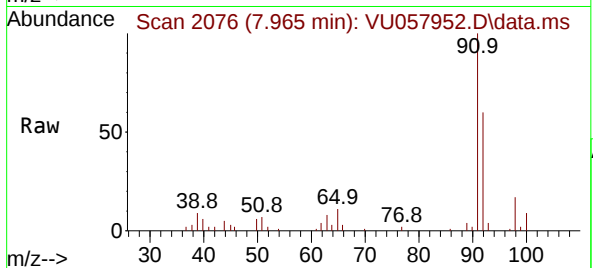
MDL-WATER-QT1-2024-01

Tgt Ion: 91 Resp: 17054
 Ion Ratio Lower Upper
 91 100
 92 60.5 40.3 74.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/28/2024
 Supervised By :Semsettin Yesilyurt 02/28/2024



#44

trans-1,3-Dichloropropene

Concen: 1.734 ug/L m

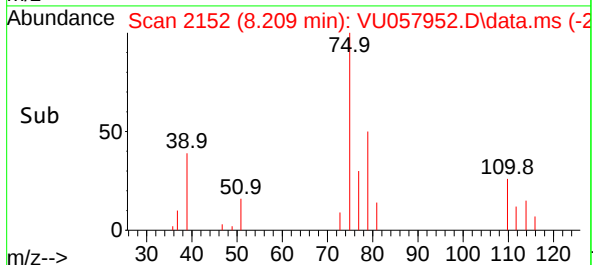
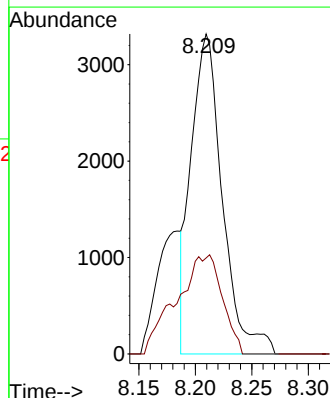
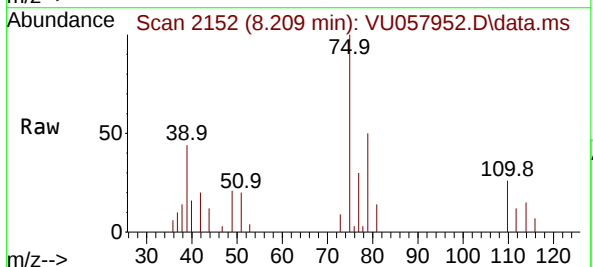
RT: 8.209 min Scan# 2152

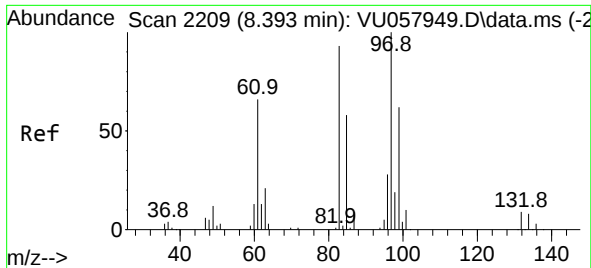
Delta R.T. 0.007 min

Lab File: VU057952.D

Acq: 27 Feb 2024 13:32

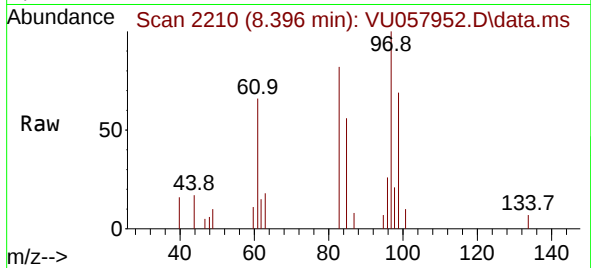
Tgt Ion: 75 Resp: 6390
 Ion Ratio Lower Upper
 75 100
 77 30.0 21.8 40.4





#45
1,1,2-Trichloroethane
Concen: 1.801 ug/L
RT: 8.396 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-01

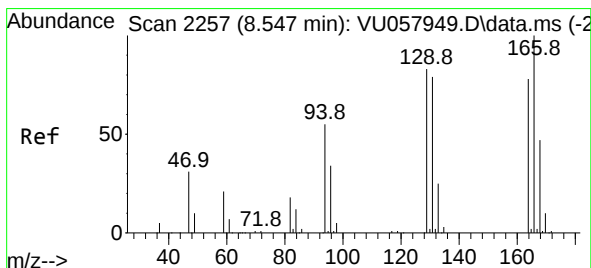
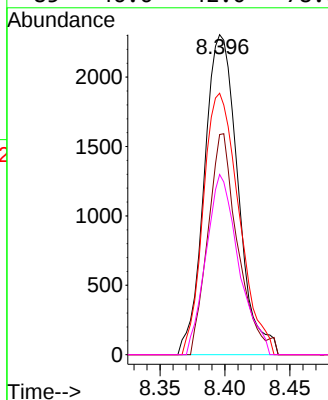
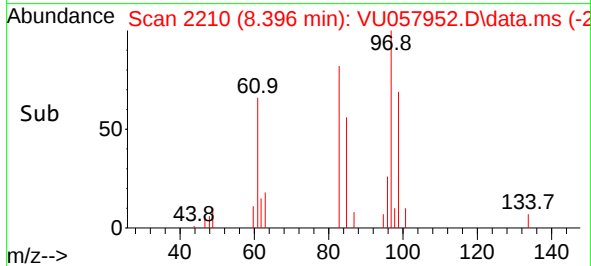


Tgt Ion: 97 Resp: 4158

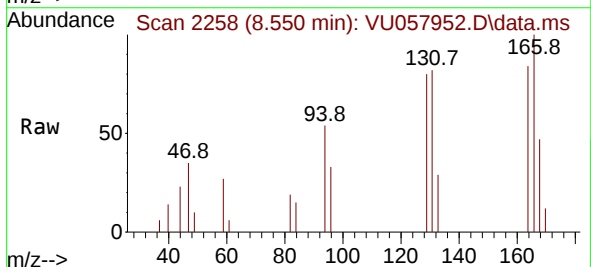
Ion	Ratio	Lower	Upper
97	100		
99	57.0	43.0	80.0
83	67.7	65.0	120.6
85	46.6	42.0	78.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024

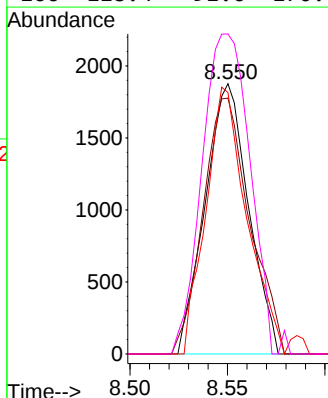
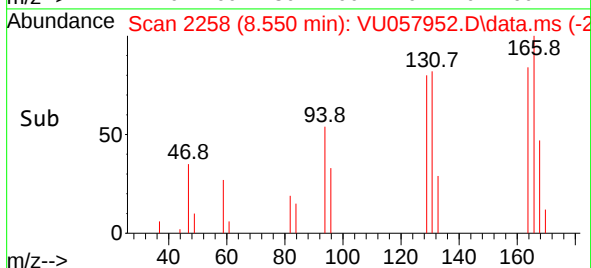


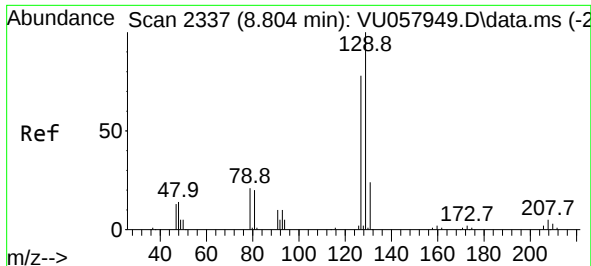
#46
Tetrachloroethene
Concen: 1.781 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32



Tgt Ion:164 Resp: 2900

Ion	Ratio	Lower	Upper
164	100		
129	94.7	74.1	137.7
131	96.7	72.0	133.6
166	118.4	91.6	170.0





#49

Dibromochloromethane

Concen: 1.685 ug/L

RT: 8.801 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU057952.D

Acq: 27 Feb 2024 13:32

Instrument :

MSVOA_U

ClientSampleId :

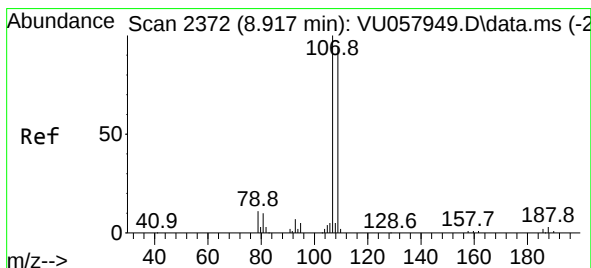
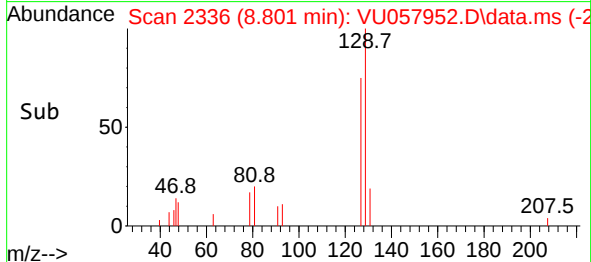
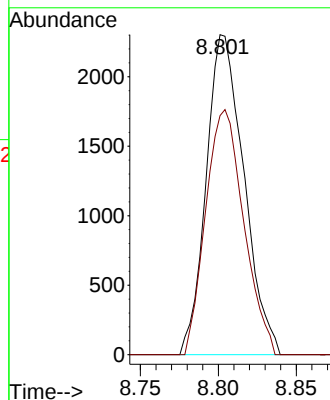
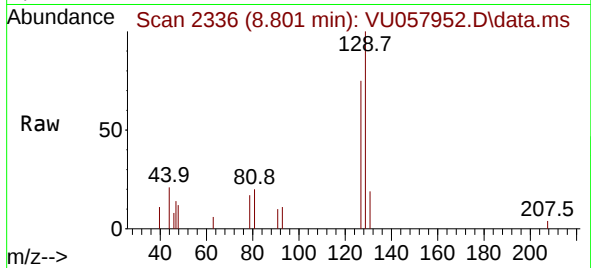
MDL-WATER-QT1-2024-01

Tgt Ion:129 Resp: 3874
 Ion Ratio Lower Upper
 129 100
 127 74.7 53.3 99.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 02/28/2024
 Supervised By :Semsettin Yesilyurt 02/28/2024



#50

1,2-Dibromoethane

Concen: 1.689 ug/L

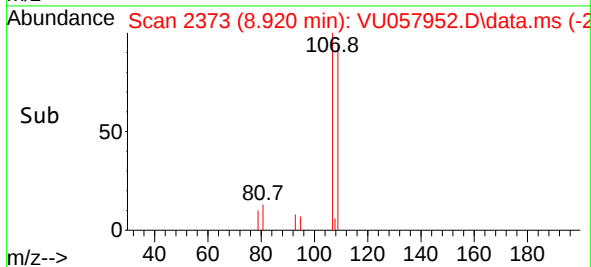
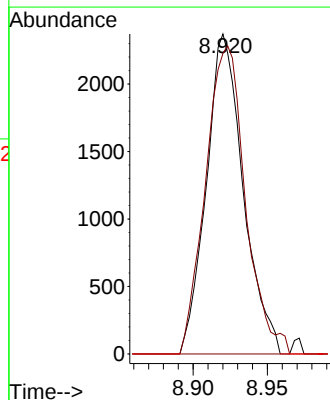
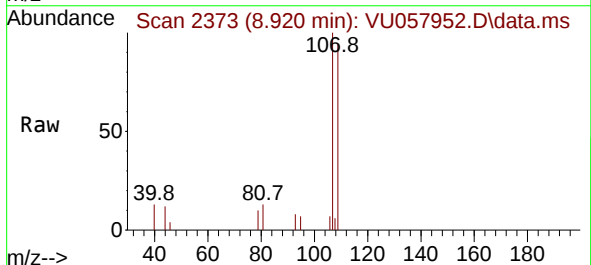
RT: 8.920 min Scan# 2373

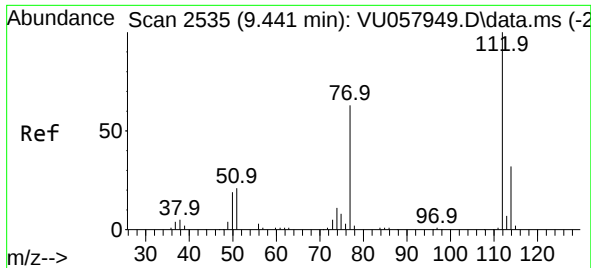
Delta R.T. 0.003 min

Lab File: VU057952.D

Acq: 27 Feb 2024 13:32

Tgt Ion:107 Resp: 4105
 Ion Ratio Lower Upper
 107 100
 109 88.5 66.1 122.8
 188 0.0 2.6 3.8





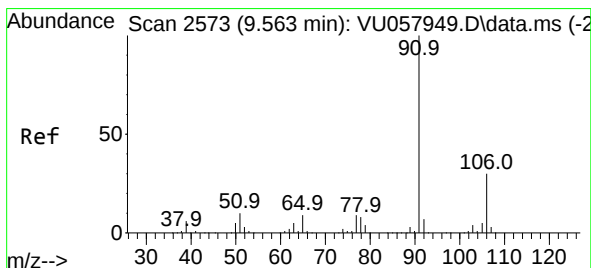
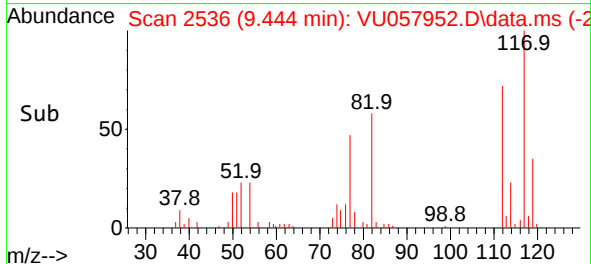
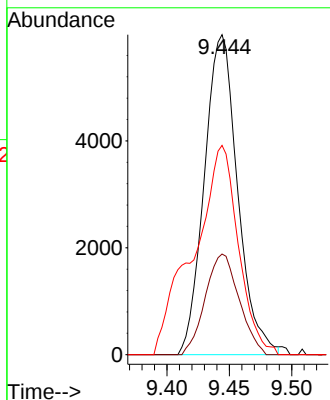
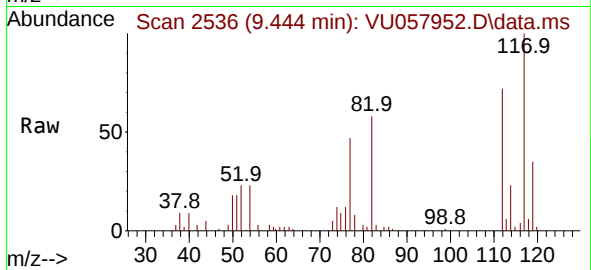
#51
Chlorobenzene
Concen: 1.837 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2024-01

Tgt Ion:112 Resp: 11130
Ion Ratio Lower Upper
112 100
114 31.2 22.7 42.1
77 60.5 51.8 77.8

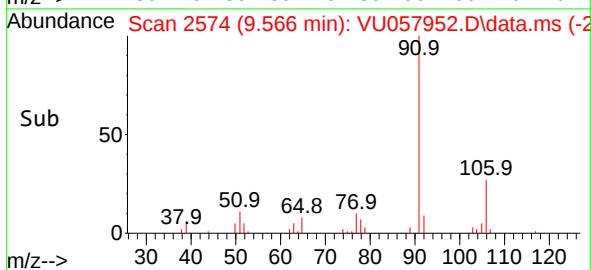
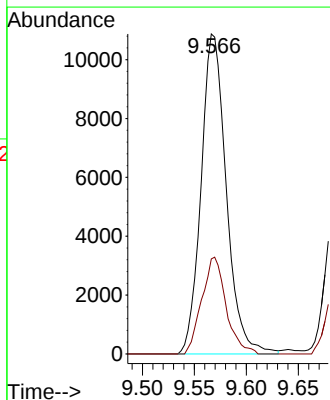
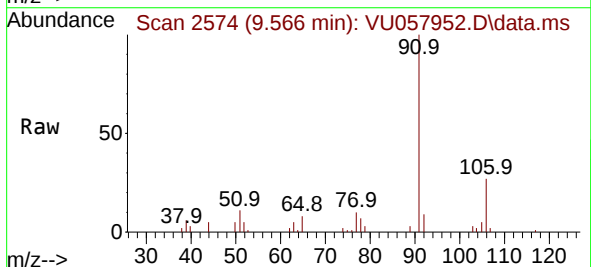
Manual Integrations
APPROVED

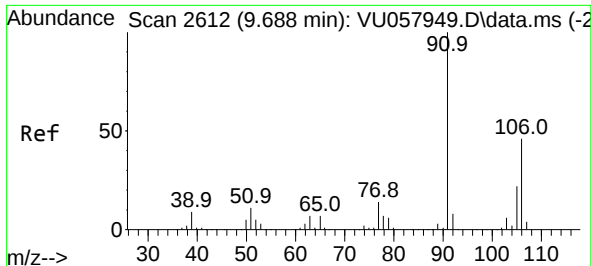
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#52
Ethylbenzene
Concen: 1.719 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

Tgt Ion: 91 Resp: 18361
Ion Ratio Lower Upper
91 100
106 29.7 21.1 39.1





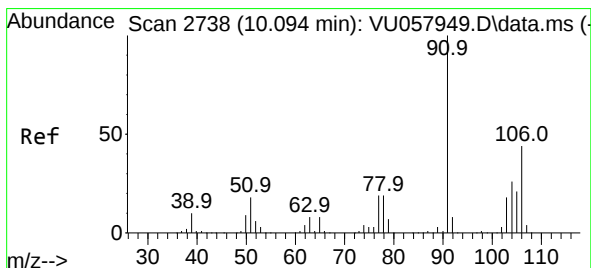
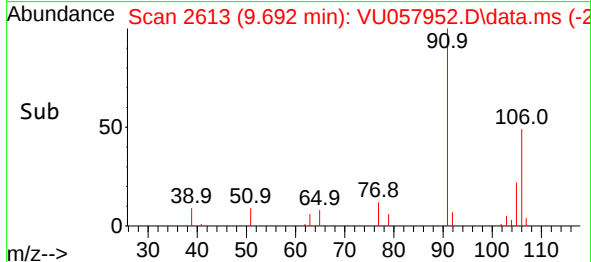
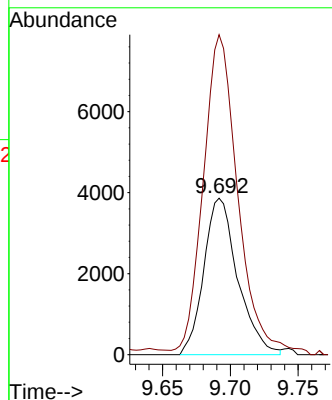
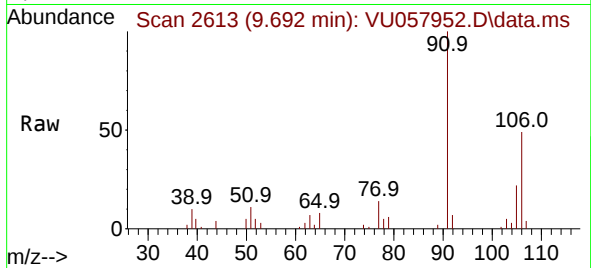
#53
m,p-Xylene
Concen: 1.730 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion:106 Resp: 672
Ion Ratio Lower Upper
106 100
91 189.9 150.2 279.0

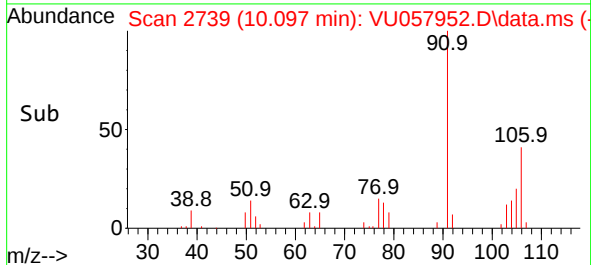
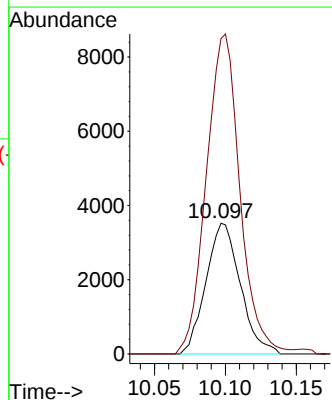
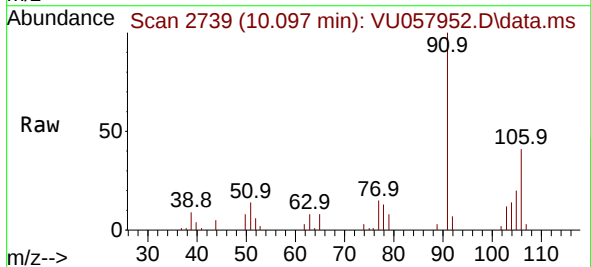
Manual Integrations
APPROVED

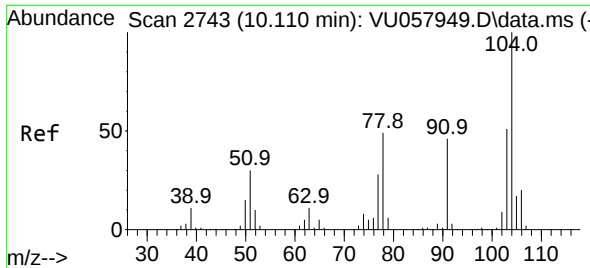
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#54
o-Xylene
Concen: 1.545 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

Tgt Ion:106 Resp: 5933
Ion Ratio Lower Upper
106 100
91 224.2 161.3 299.5





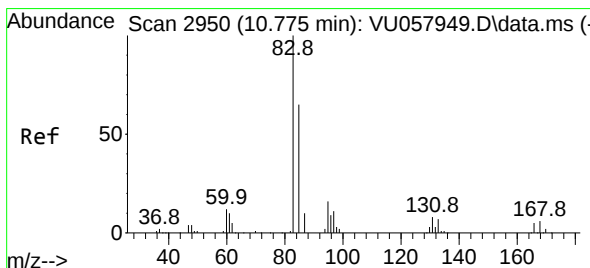
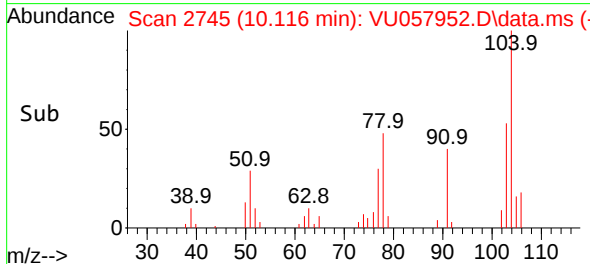
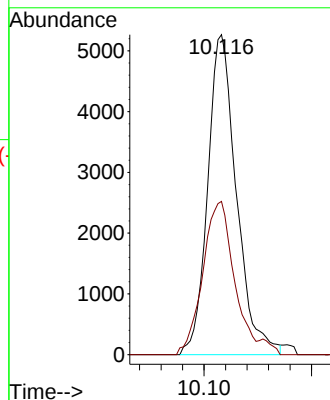
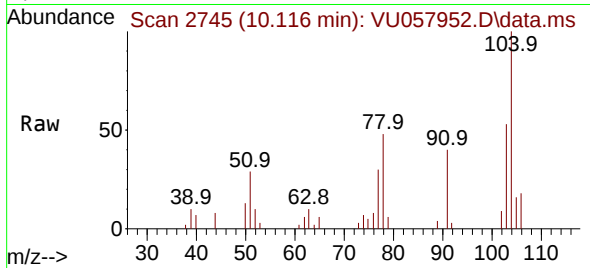
#55
Styrene
Concen: 1.488 ug/L
RT: 10.116 min Scan# 21
Delta R.T. 0.007 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion:104 Resp: 979
Ion Ratio Lower Upper
104 100
78 47.9 35.6 66.2

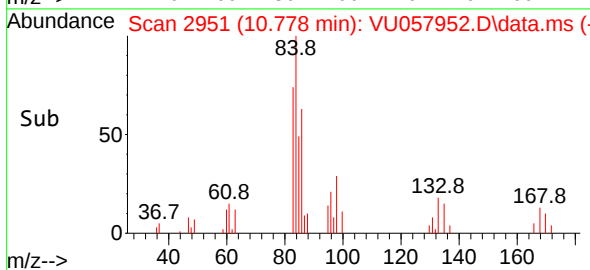
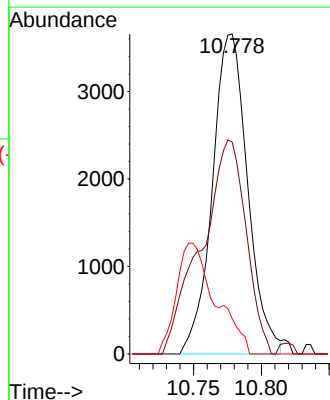
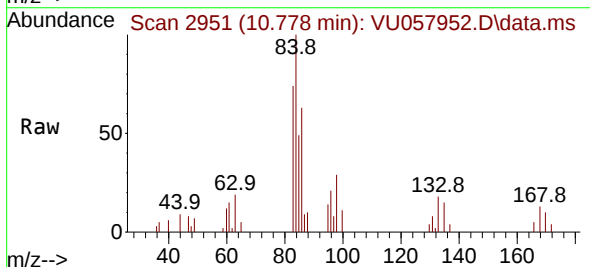
Manual Integrations
APPROVED

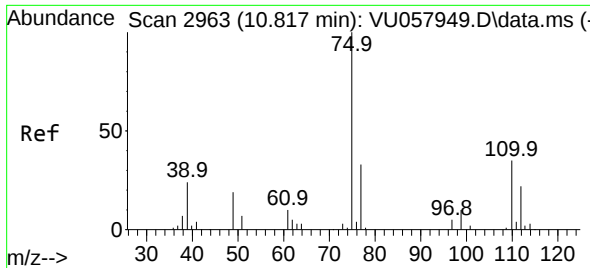
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 1.681 ug/L
RT: 10.778 min Scan# 2951
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

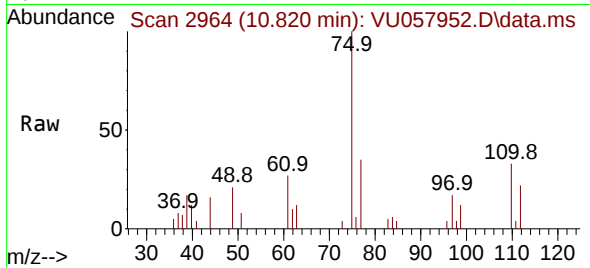
Tgt Ion: 83 Resp: 6610
Ion Ratio Lower Upper
83 100
85 66.2 45.2 84.0
131 11.0 7.8 11.6





#60
1,2,3-Trichloropropane
Concen: 1.679 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

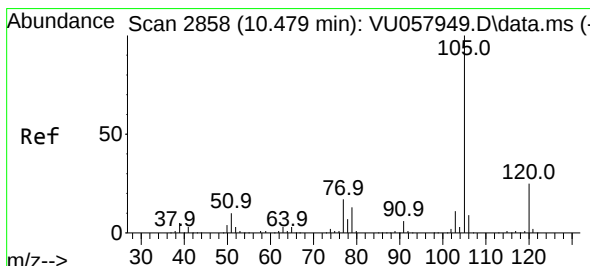
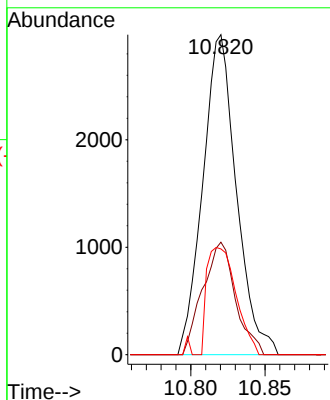
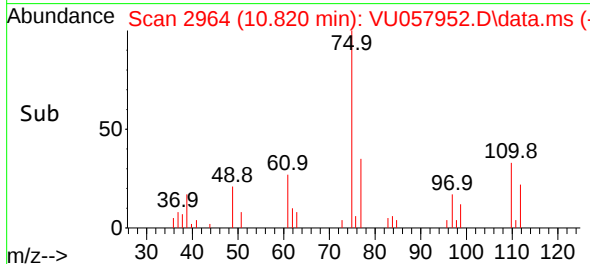
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-01



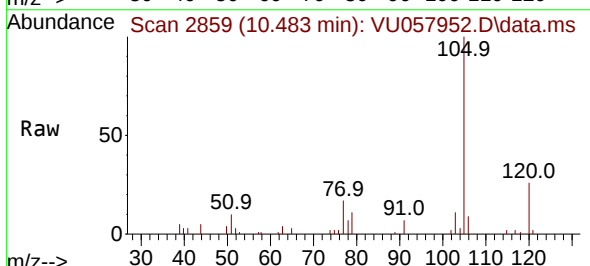
Tgt Ion: 75 Resp: 468
Ion Ratio Lower Upper
75 100
77 34.3 25.9 38.9
110 29.1 28.3 42.5

Manual Integrations
APPROVED

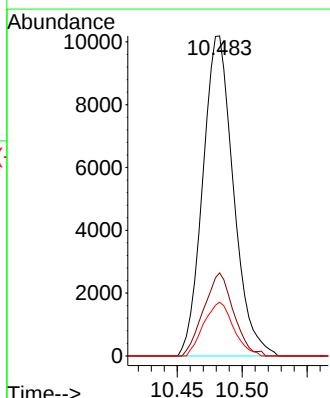
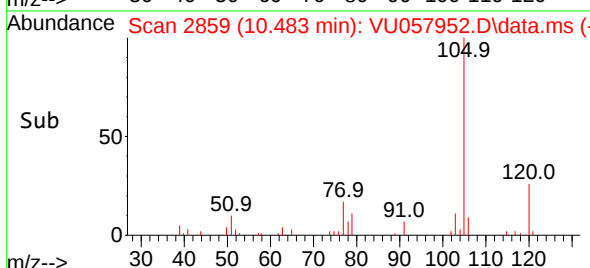
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024

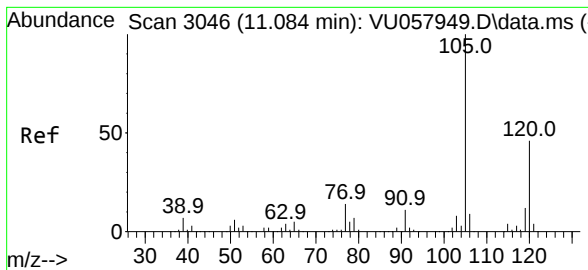


#61
Isopropylbenzene
Concen: 1.778 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32



Tgt Ion:105 Resp: 16716
Ion Ratio Lower Upper
105 100
120 25.1 20.5 30.7
77 16.3 13.5 20.3





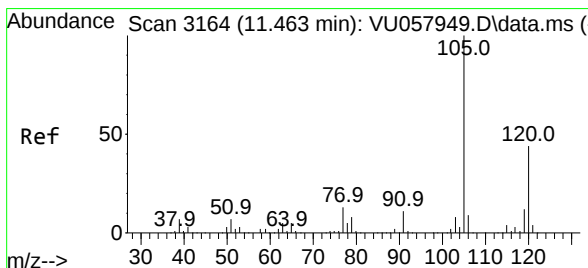
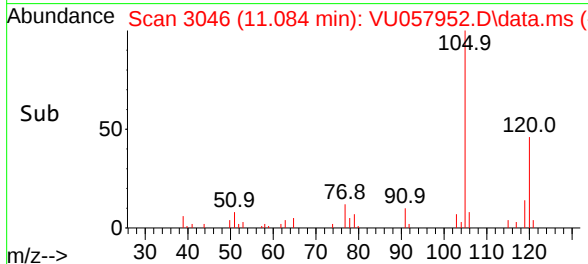
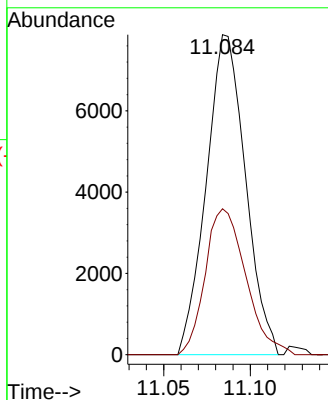
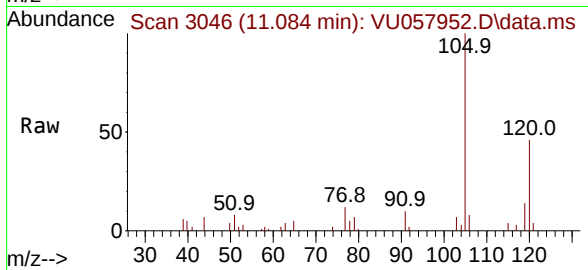
#62
1,3,5-Trimethylbenzene
Concen: 1.526 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-01

Tgt Ion:105 Resp: 1236
Ion Ratio Lower Upper
105 100
120 47.3 37.0 55.6

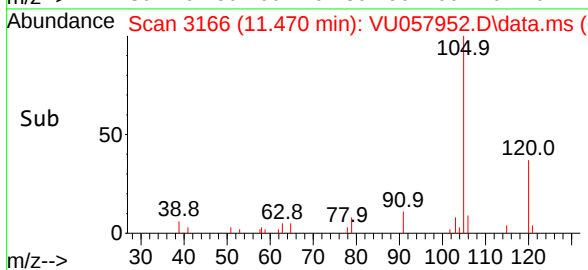
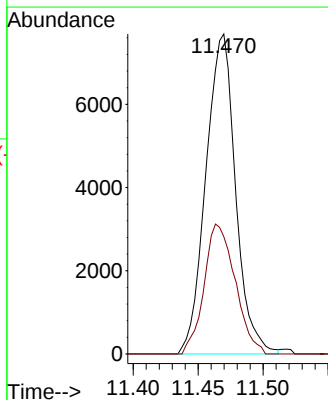
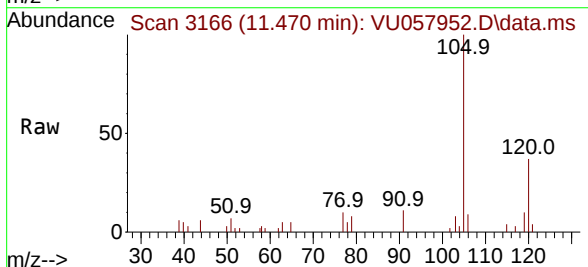
Manual Integrations
APPROVED

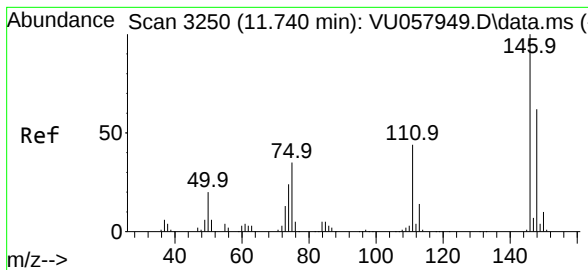
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#63
1,2,4-Trimethylbenzene
Concen: 1.504 ug/L
RT: 11.470 min Scan# 3166
Delta R.T. 0.007 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

Tgt Ion:105 Resp: 12247
Ion Ratio Lower Upper
105 100
120 42.4 34.8 52.2





#64

1,3-Dichlorobenzene

Concen: 1.816 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.003 min

Lab File: VU057952.D

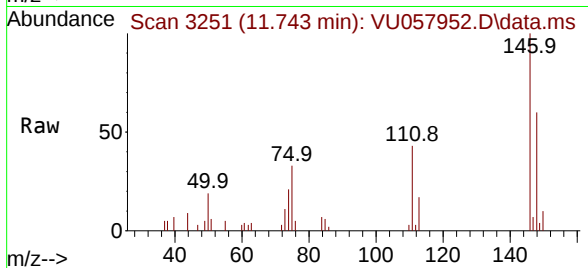
Acq: 27 Feb 2024 13:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2024-01



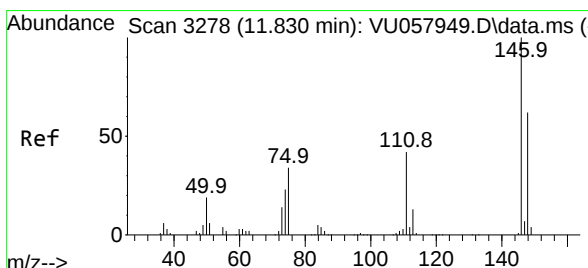
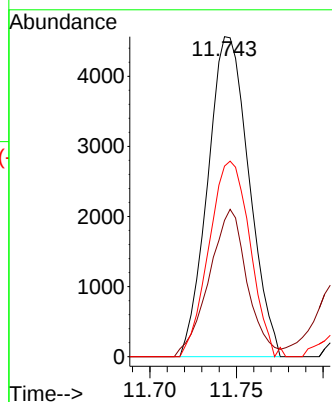
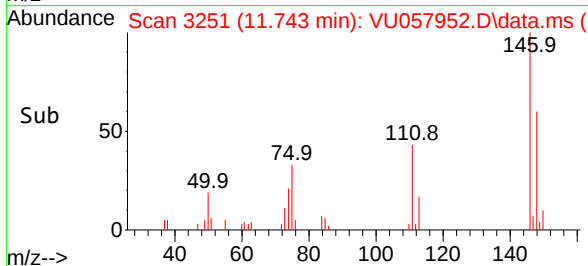
Tgt Ion:146 Resp: 7549

Ion	Ratio	Lower	Upper
146	100		
111	42.7	31.6	58.6
148	59.0	45.1	83.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#65

1,4-Dichlorobenzene

Concen: 1.911 ug/L

RT: 11.833 min Scan# 3279

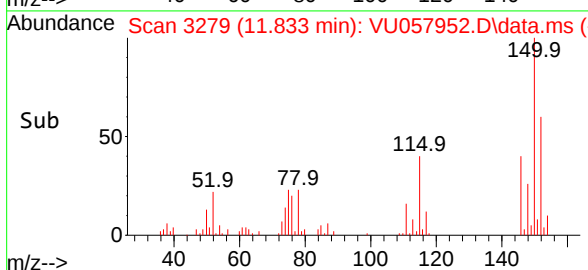
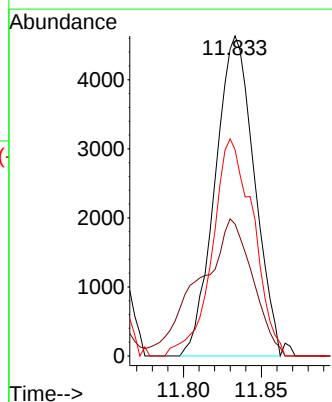
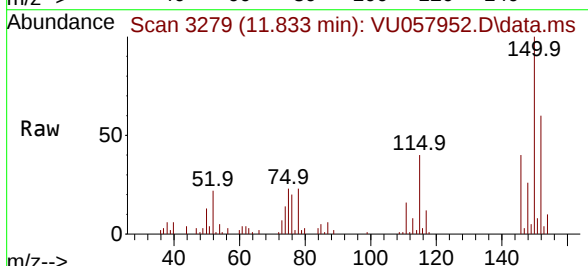
Delta R.T. 0.003 min

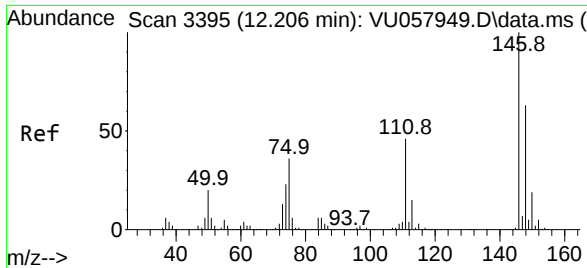
Lab File: VU057952.D

Acq: 27 Feb 2024 13:32

Tgt Ion:146 Resp: 8092

Ion	Ratio	Lower	Upper
146	100		
111	38.0	29.9	55.5
148	59.4	44.7	82.9





#67

1,2-Dichlorobenzene

Concen: 1.806 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057952.D

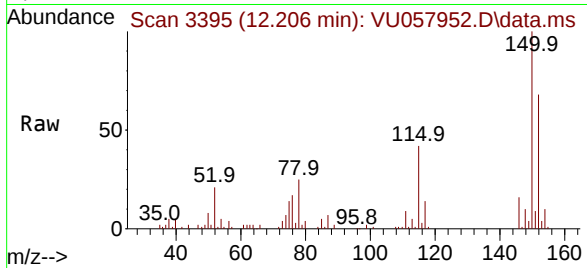
Acq: 27 Feb 2024 13:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2024-01

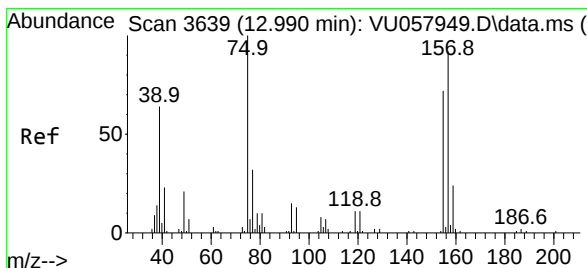
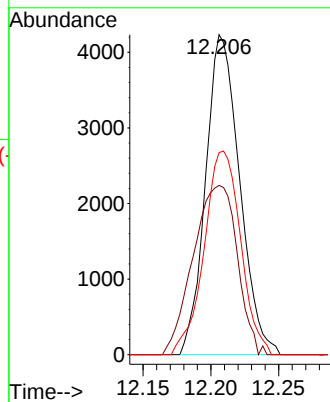
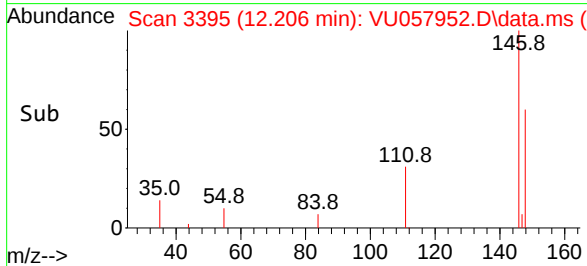


Tgt Ion:	146	Resp:	738
Ion Ratio	Lower	Upper	
146	100		
111	54.6	37.3	55.9
148	59.3	51.3	76.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#68

1,2-Dibromo-3-chloropropane

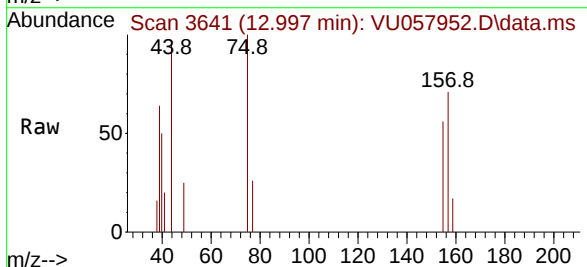
Concen: 1.485 ug/L m

RT: 12.997 min Scan# 3641

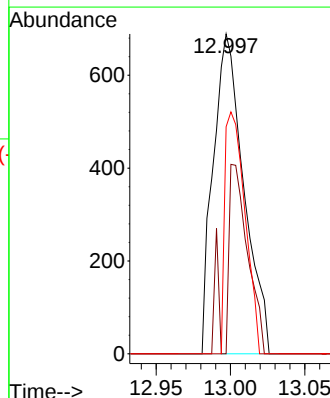
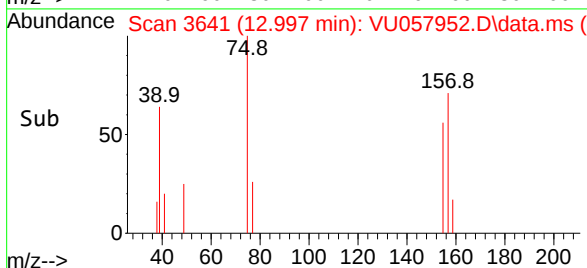
Delta R.T. 0.007 min

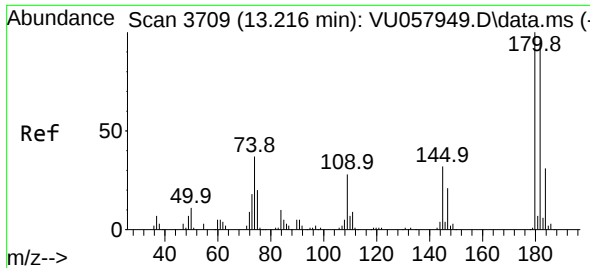
Lab File: VU057952.D

Acq: 27 Feb 2024 13:32



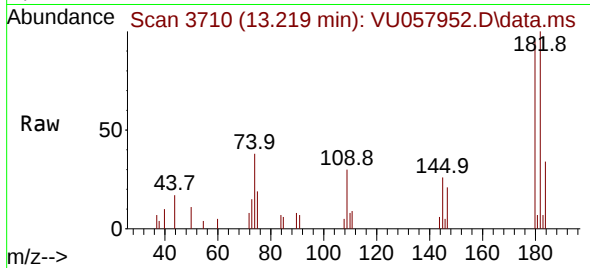
Tgt Ion:	75	Resp:	983
Ion Ratio	Lower	Upper	
75	100		
155	0.0	63.2	94.8#
157	48900.0	74.6	112.0#





#69
1,3,5-Trichlorobenzene
Concen: 1.603 ug/L
RT: 13.219 min Scan# 3709
Delta R.T. 0.003 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

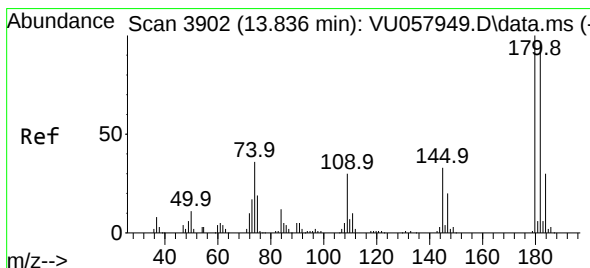
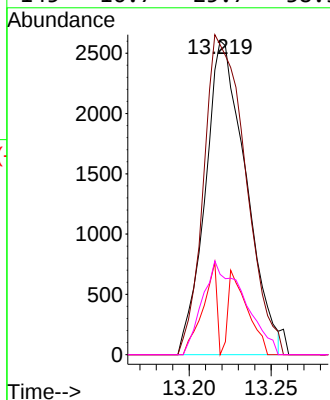
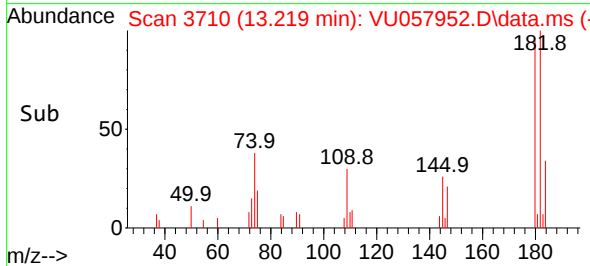
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion:180 Resp: 4484
Ion Ratio Lower Upper
180 100
182 104.7 77.6 116.4
184 10.1 24.1 36.1
145 16.7 25.7 38.5#

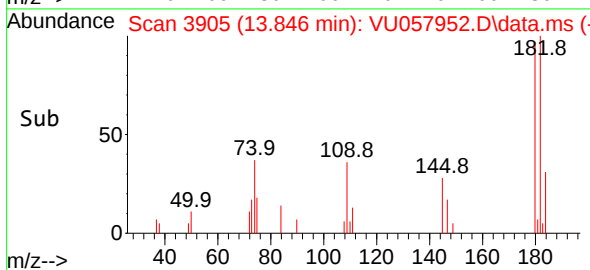
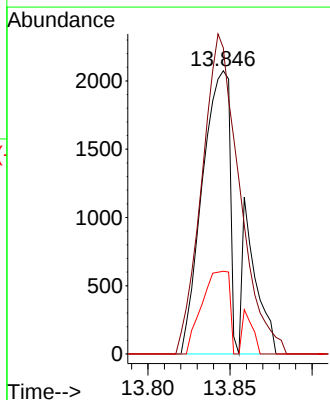
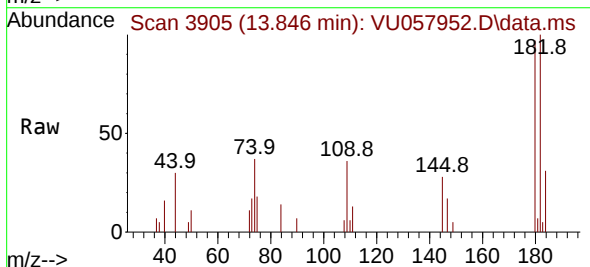
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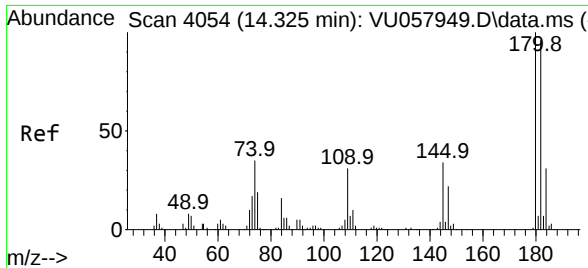
Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024



#70
1,2,4-trichlorobenzene
Concen: 1.368 ug/L m
RT: 13.846 min Scan# 3905
Delta R.T. 0.010 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

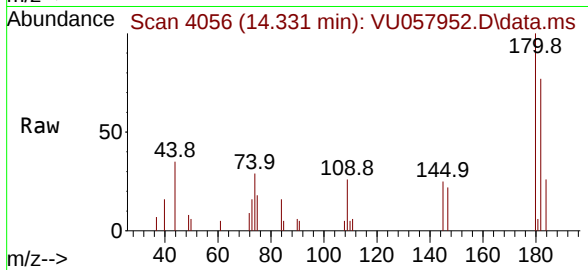
Tgt Ion:180 Resp: 3081
Ion Ratio Lower Upper
180 100
182 121.3 75.8 113.6#
145 0.0 25.9 38.9#





#72
1,2,3-Trichlorobenzene
Concen: 1.803 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. 0.007 min
Lab File: VU057952.D
Acq: 27 Feb 2024 13:32

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2024-01



Tgt Ion:180 Resp: 3729
Ion Ratio Lower Upper
180 100
182 86.2 75.4 113.2
145 28.4 27.8 41.8

Manual Integrations
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Reviewed By :Mahesh Dadoda 02/28/2024
Supervised By :Semsettin Yesilyurt 02/28/2024

