

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020323\
 Data File : VU052948.D
 Acq On : 03 Feb 2023 16:31
 Operator : JC/MD
 Sample : 01378-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2023-01

Quant Time: Feb 04 00:34:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 03 23:44:08 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/06/2023
 Supervised By :Mahesh Dadoda 02/06/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	201090	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	198870	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	103129	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	58356	40.319	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	80.640%		
7) Chloroethane-d5	1.913	69	58789	49.295	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.600%		
11) 1,1-Dichloroethene-d2	2.565	63	97038	33.708	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.420%		
21) 2-Butanone-d5	4.623	46	74070	82.842	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	82.840%		
24) Chloroform-d	5.057	84	150864	48.840	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.680%		
26) 1,2-Dichloroethane-d4	5.697	65	100656	51.034	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.060%		
32) Benzene-d6	5.723	84	276911	45.576	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.160%		
36) 1,2-Dichloropropane-d6	6.684	67	84097	47.194	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	94.380%		
41) Toluene-d8	7.893	98	243564	44.024	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.040%		
43) trans-1,3-Dichloroprop...	8.176	79	40675	45.542	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.080%		
47) 2-Hexanone-d5	8.629	63	46106	73.638	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	73.640%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	116998	44.439	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	88.880%		
66) 1,2-Dichlorobenzene-d4	12.189	152	99566	49.721	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.440%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	4241	2.252	ug/L	92
3) Chloromethane	1.520	50	4268	2.748	ug/L	99
5) Vinyl chloride	1.604	62	4257	2.478	ug/L #	72
6) Bromomethane	1.858	94	3257	3.006	ug/L	87
8) Chloroethane	1.932	64	2761	2.559	ug/L	97
9) Trichlorofluoromethane	2.138	101	7494	2.604	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.578	101	4803	2.961	ug/L	84
12) 1,1-Dichloroethene	2.578	96	4493	3.020	ug/L #	1
13) Acetone	2.639	43	4180	3.828	ug/L	95
14) Carbon disulfide	2.790	76	9483	2.111	ug/L #	95
15) Methyl Acetate	2.957	43	3157m	2.146	ug/L	
17) trans-1,2-Dichloroethene	3.356	96	3425	2.131	ug/L	90
18) Methyl tert-butyl Ether	3.359	73	10343	2.188	ug/L #	89
19) 1,1-Dichloroethane	3.871	63	6237	2.212	ug/L	97
20) cis-1,2-Dichloroethene	4.658	96	3825	2.229	ug/L	84
22) 2-Butanone	4.716	43	4497m	3.853	ug/L	
23) Bromochloromethane	4.967	128	2057m	2.134	ug/L	
25) Chloroform	5.083	83	8192	2.588	ug/L	83
27) 1,2-Dichloroethane	5.793	62	6319	2.522	ug/L #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	4611m	1.957	ug/L	
30) 1,1,1-Trichloroethane	5.314	97	6907	2.361	ug/L	99
31) Carbon tetrachloride	5.520	117	5703	2.249	ug/L	95
33) Benzene	5.771	78	14852	2.194	ug/L	100
34) Trichloroethene	6.543	95	3873	2.251	ug/L	94
35) Methylcyclohexane	6.758	83	5359	1.968	ug/L	97
37) 1,2-Dichloropropane	6.784	63	3656	2.197	ug/L #	96
38) Bromodichloromethane	7.102	83	5468	2.239	ug/L	99
39) cis-1,3-Dichloropropene	7.604	75	5569	2.136	ug/L	97
40) 4-Methyl-2-pentanone	7.790	43	6765	3.450	ug/L	97
42) Toluene	7.967	91	15655	2.256	ug/L	98
44) trans-1,3-Dichloropropene	8.208	75	5580	2.178	ug/L	97
45) 1,1,2-Trichloroethane	8.398	97	4131	2.427	ug/L	91
46) Tetrachloroethene	8.552	164	3638	2.455	ug/L	84
49) Dibromochloromethane	8.806	129	4658	2.289	ug/L	96
50) 1,2-Dibromoethane	8.919	107	3916	2.138	ug/L #	97
51) Chlorobenzene	9.443	112	11819	2.476	ug/L	95
52) Ethylbenzene	9.568	91	15203	2.050	ug/L	95
53) m,p-Xylene	9.694	106	5352	1.783	ug/L	100
54) o-xylene	10.095	106	5999	2.094	ug/L	84
55) Styrene	10.108	104	8952	1.821	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.777	83	6174	2.242	ug/L	95
59) Bromoform	10.285	173	3279	2.320	ug/L #	97
60) 1,2,3-Trichloropropane	10.819	75	4613	2.306	ug/L	99
61) Isopropylbenzene	10.478	105	13229	1.986	ug/L	99
62) 1,3,5-Trimethylbenzene	11.086	105	10420	1.879	ug/L	95
63) 1,2,4-Trimethylbenzene	11.462	105	10091	1.880	ug/L	95
64) 1,3-Dichlorobenzene	11.745	146	7307	2.174	ug/L	91
65) 1,4-Dichlorobenzene	11.835	146	8597	2.471	ug/L	97
67) 1,2-Dichlorobenzene	12.205	146	10894	3.205	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.996	75	1208	2.107	ug/L #	69
69) 1,3,5-Trichlorobenzene	13.218	180	5557	2.234	ug/L	96
70) 1,2,4-trichlorobenzene	13.838	180	4355	2.088	ug/L	91
72) 1,2,3-Trichlorobenzene	14.327	180	4292	1.947	ug/L	96

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

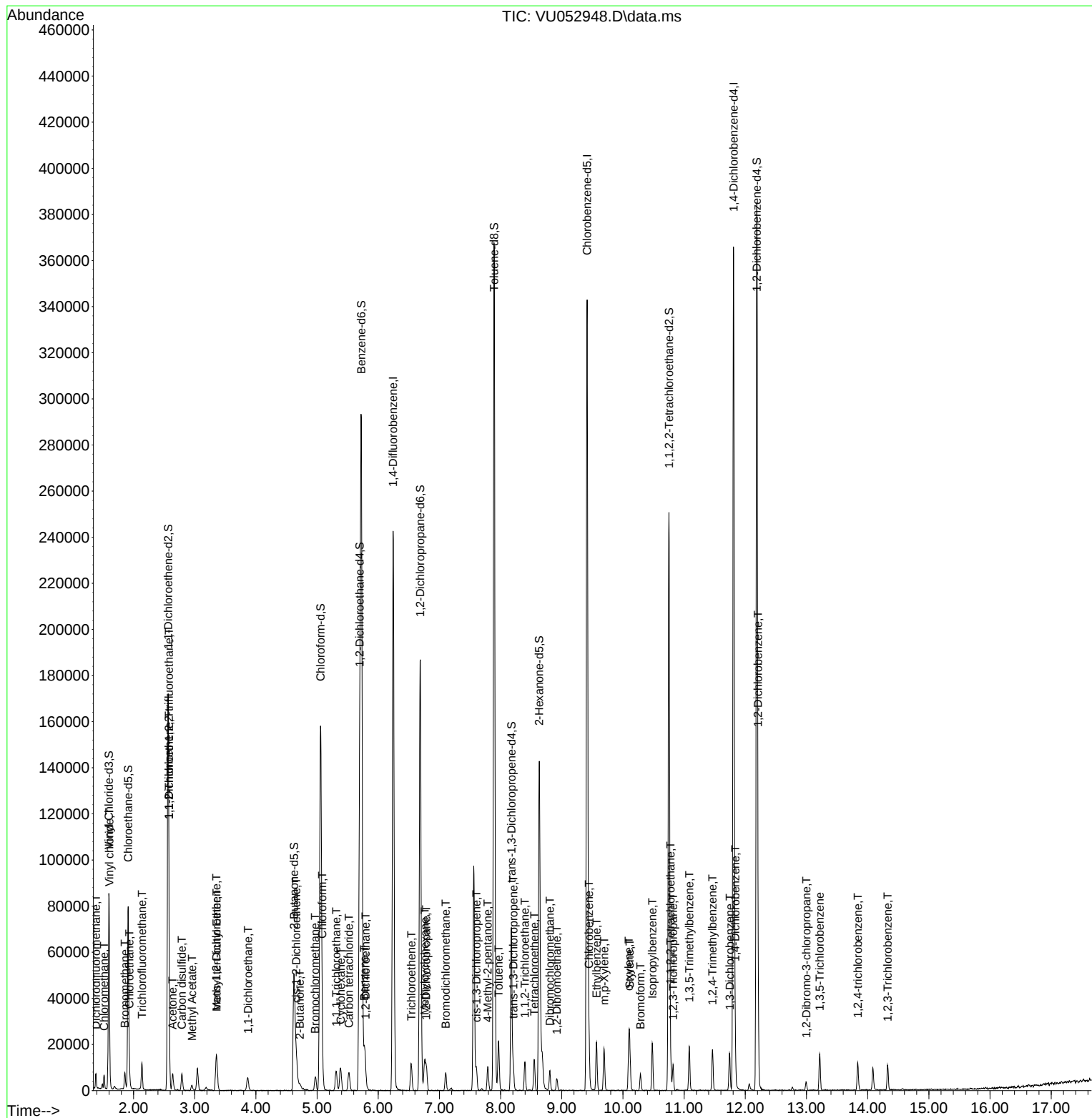
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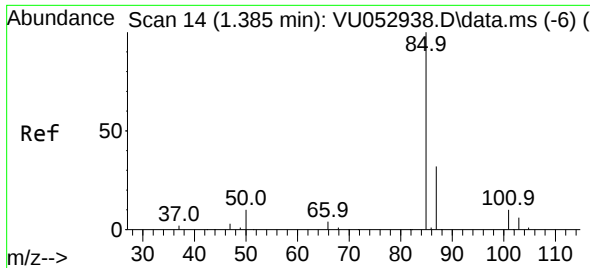
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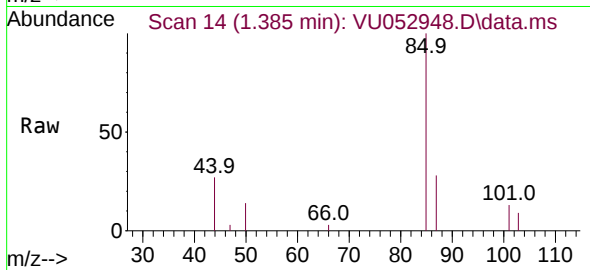
Reviewed By :Krupa Patel 02/06/2023
 Supervised By :Mahesh Dadoda 02/06/2023





#2
Dichlorodifluoromethane
Concen: 2.252 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

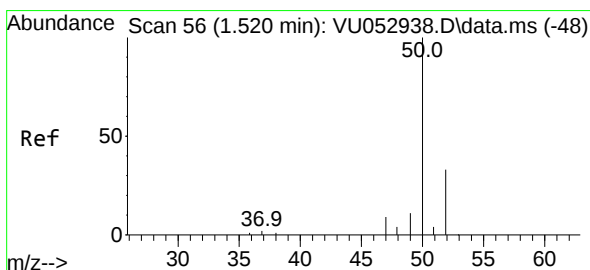
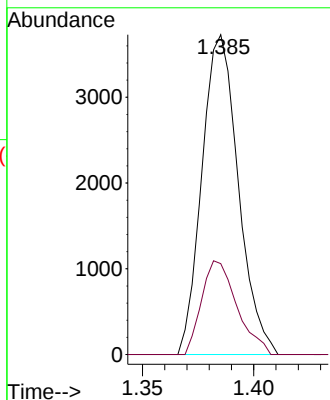
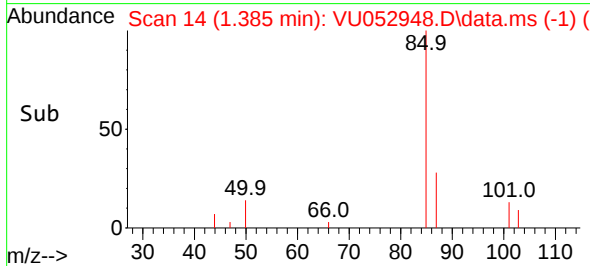
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-01



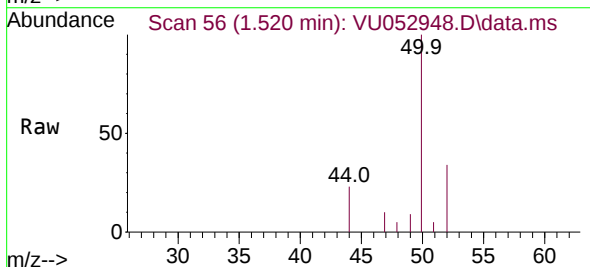
Tgt Ion: 85 Resp: 424
Ion Ratio Lower Upper
85 100
87 28.5 26.4 39.6

Manual Integrations
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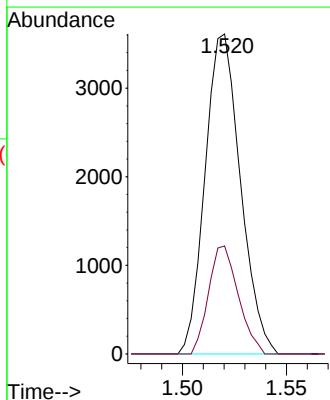
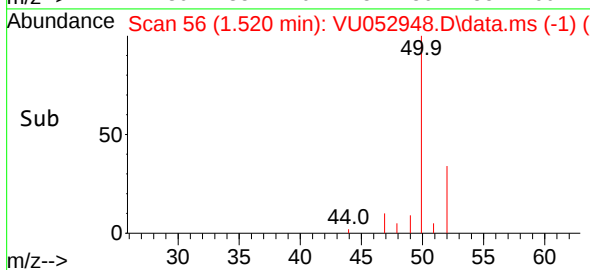
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023

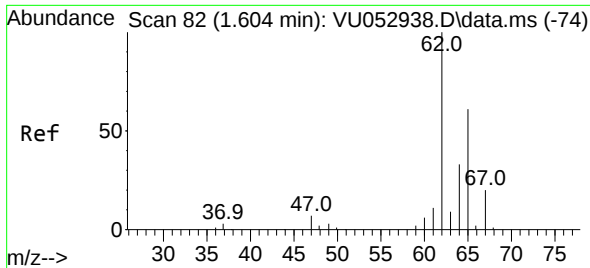


#3
Chloromethane
Concen: 2.748 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31



Tgt Ion: 50 Resp: 4268
Ion Ratio Lower Upper
50 100
52 33.7 23.4 43.4





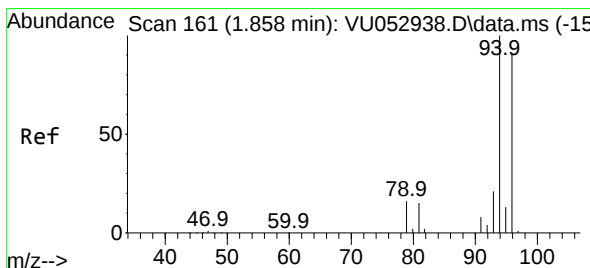
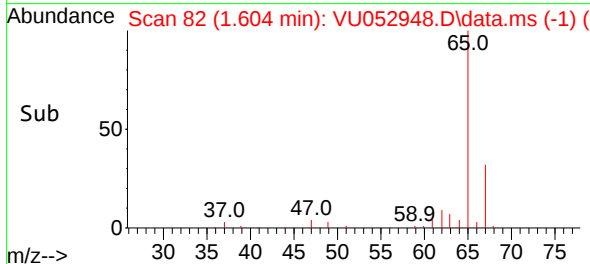
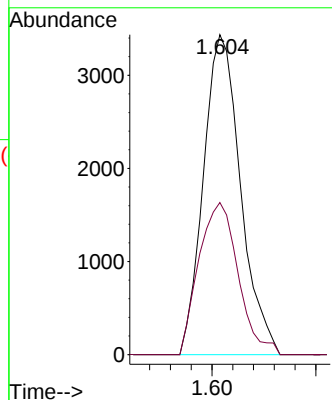
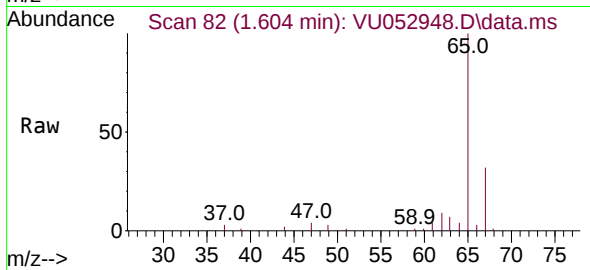
#5
 Vinyl chloride
 Concen: 2.478 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052948.D
 Acq: 03 Feb 2023 16:31

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2023-01

Tgt Ion: 62 Resp: 4257
 Ion Ratio Lower Upper
 62 100
 64 47.5 22.4 41.6

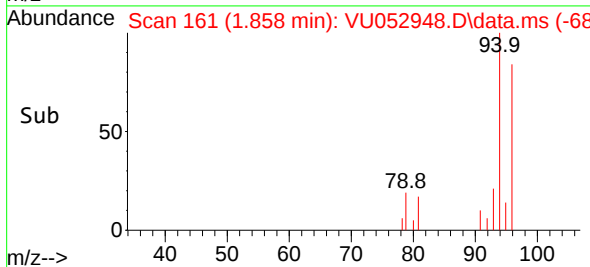
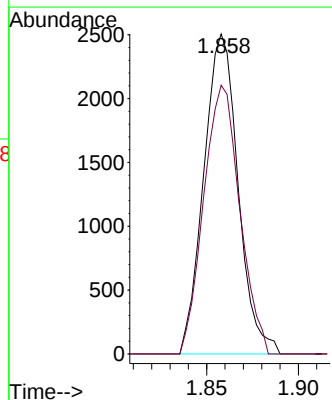
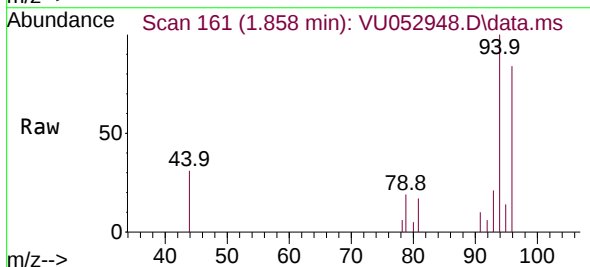
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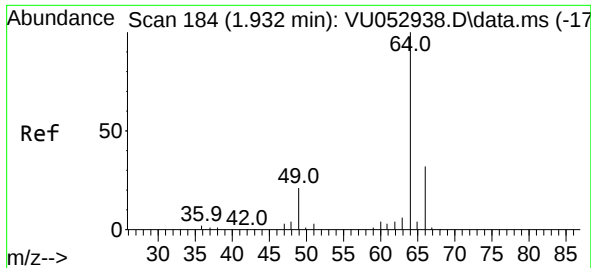
Reviewed By :Krupa Patel 02/06/2023
 Supervised By :Mahesh Dadoda 02/06/2023



#6
 Bromomethane
 Concen: 3.006 ug/L
 RT: 1.858 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VU052948.D
 Acq: 03 Feb 2023 16:31

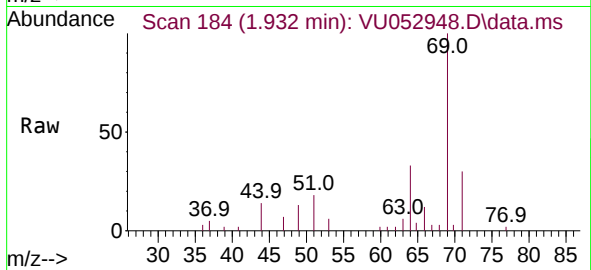
Tgt Ion: 94 Resp: 3257
 Ion Ratio Lower Upper
 94 100
 96 84.0 67.8 125.8





#8
Chloroethane
Concen: 2.559 ug/L
RT: 1.932 min Scan# 184
Delta R.T. 0.000 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

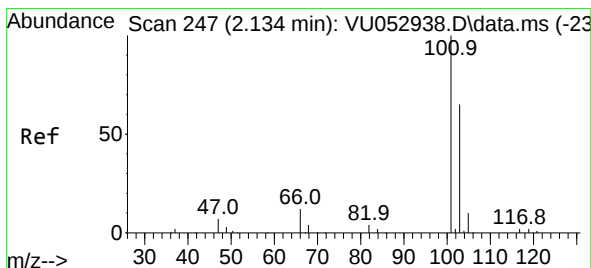
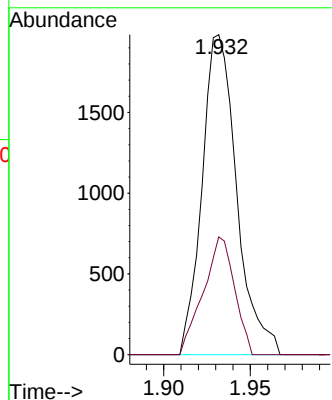
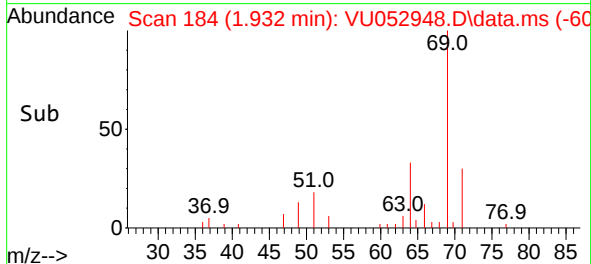
Instrument :
MSVOA_U
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MDL-WATER-QT1-2023-01



Tgt Ion: 64 Resp: 276
Ion Ratio Lower Upper
64 100
66 32.6 24.1 44.7

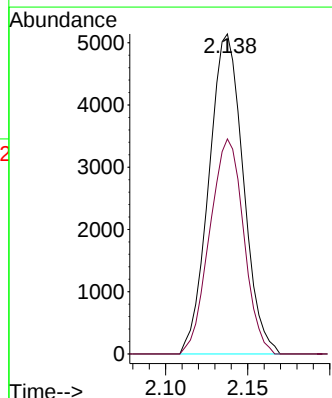
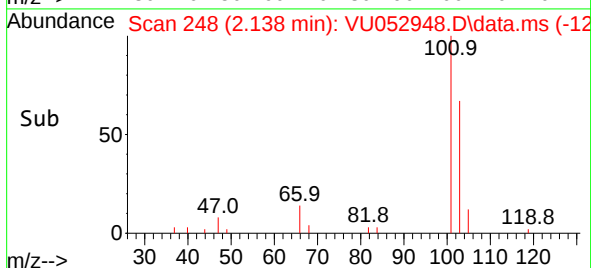
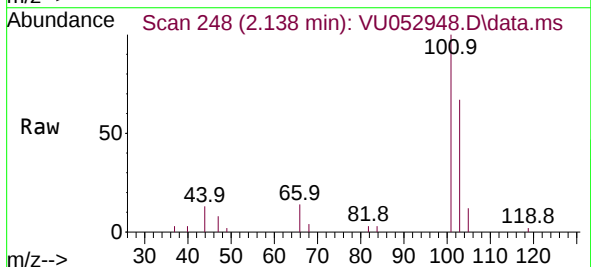
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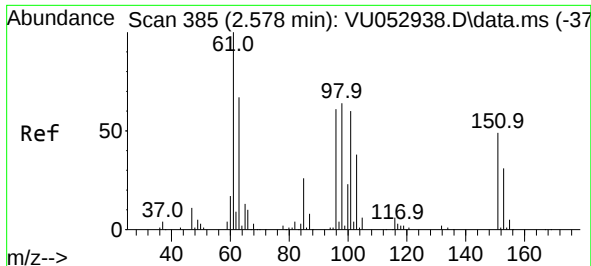
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#9
Trichlorofluoromethane
Concen: 2.604 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

Tgt Ion:101 Resp: 7494
Ion Ratio Lower Upper
101 100
103 66.5 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.961 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.000 min

Lab File: VU052948.D

Acq: 03 Feb 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2023-01

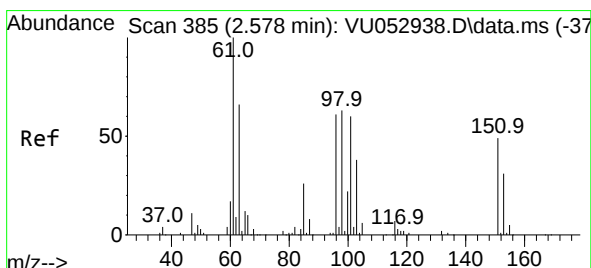
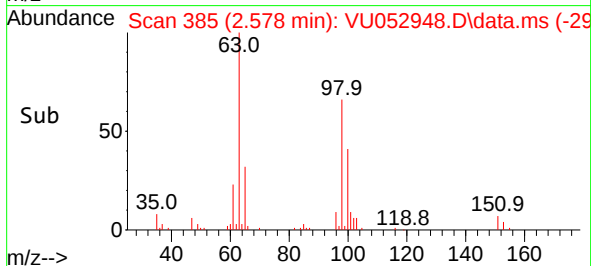
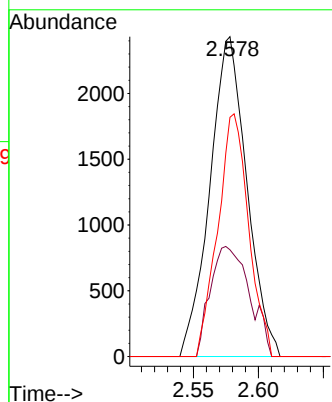
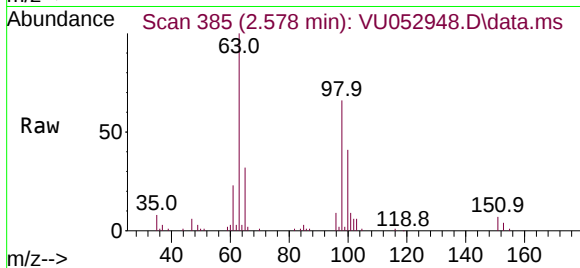
Tgt Ion:	101	Resp:	4803
Ion Ratio	Lower	Upper	
101	100		
85	33.3	32.9	49.3
151	63.4	62.6	94.0

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#12

1,1-Dichloroethene

Concen: 3.020 ug/L

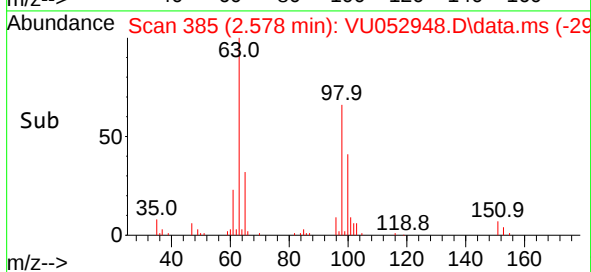
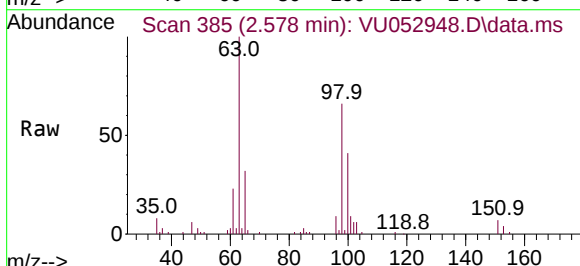
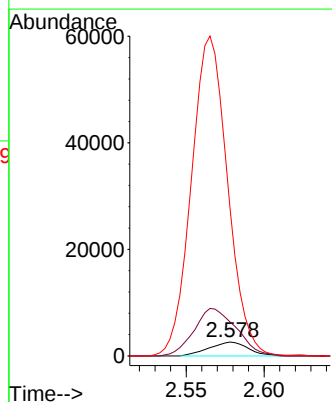
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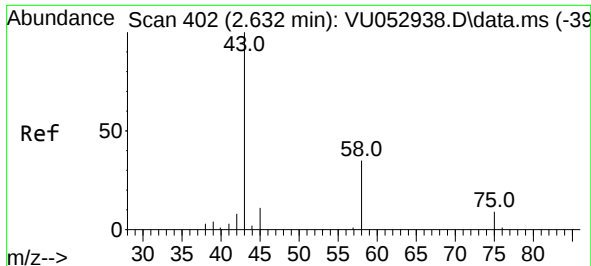
Delta R.T. 0.000 min

Lab File: VU052948.D

Acq: 03 Feb 2023 16:31

Tgt Ion:	96	Resp:	4493
Ion Ratio	Lower	Upper	
96	100		
61	246.4	114.3	212.3#
63	1077.0	80.6	149.6#





#13

Acetone

Concen: 3.828 ug/L

RT: 2.639 min Scan# 402

Delta R.T. 0.007 min

Lab File: VU052948.D

Acq: 03 Feb 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2023-01

Tgt Ion: 43 Resp: 4180

Ion Ratio Lower Upper

43 100

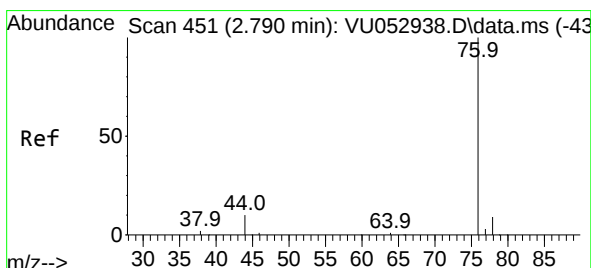
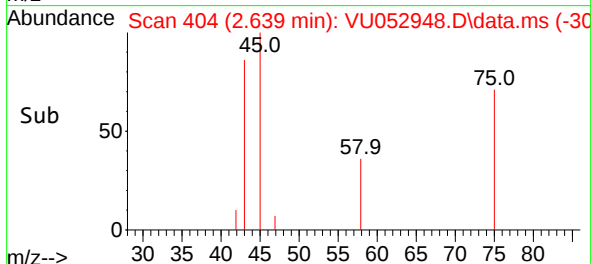
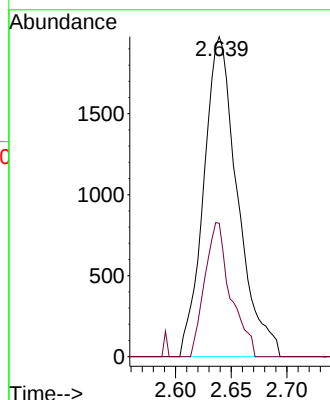
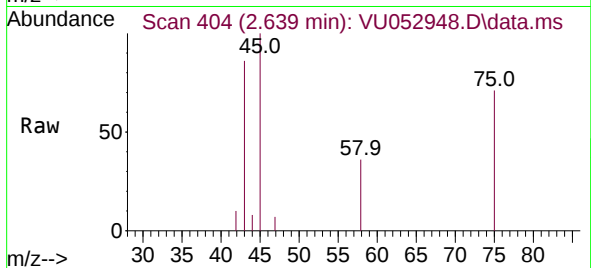
58 31.9 0.0 70.2

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Supervised By :Mahesh Dadoda 02/06/2023



#14

Carbon disulfide

Concen: 2.111 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.000 min

Lab File: VU052948.D

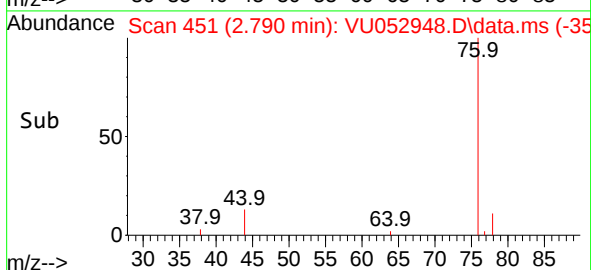
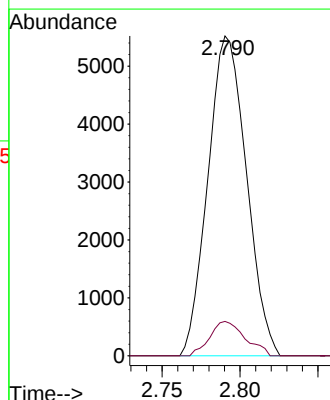
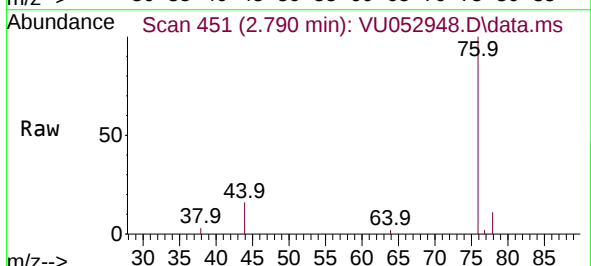
Acq: 03 Feb 2023 16:31

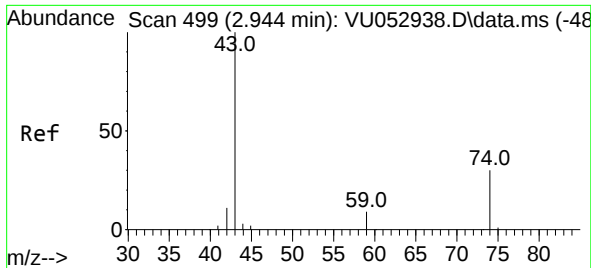
Tgt Ion: 76 Resp: 9483

Ion Ratio Lower Upper

76 100

78 10.8 7.1 10.7#





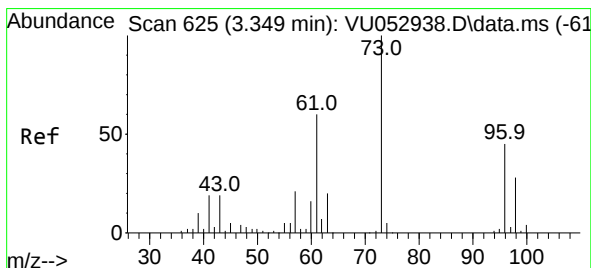
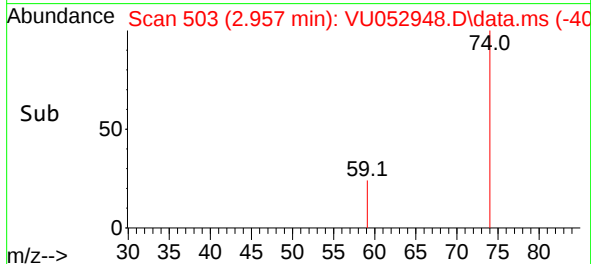
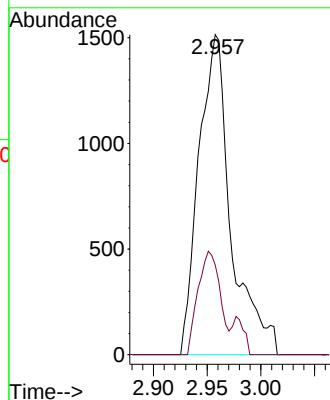
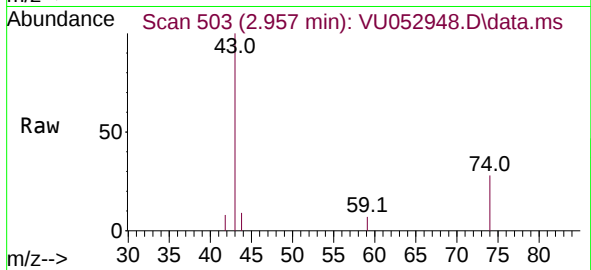
#15
Methyl Acetate
Concen: 2.146 ug/L m
RT: 2.957 min Scan# 50
Delta R.T. 0.013 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-01

Tgt Ion: 43 Resp: 315
Ion Ratio Lower Upper
43 100
74 22.4 22.0 33.0

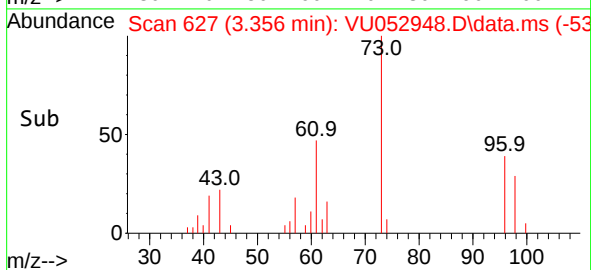
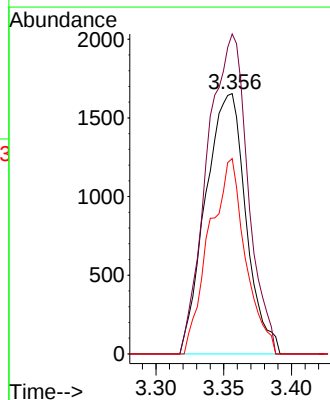
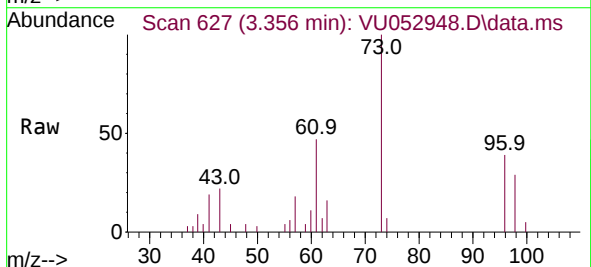
Manual Integrations
APPROVED

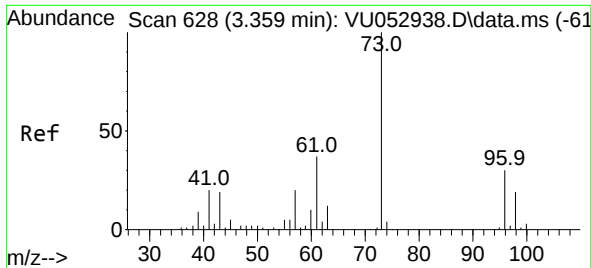
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#17
trans-1,2-Dichloroethene
Concen: 2.131 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.007 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

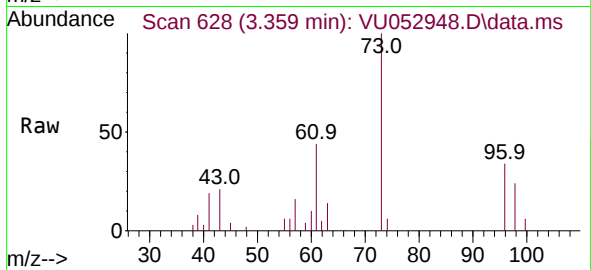
Tgt Ion: 96 Resp: 3425
Ion Ratio Lower Upper
96 100
61 123.0 92.7 172.3
98 75.0 44.7 82.9





#18
Methyl tert-butyl Ether
Concen: 2.188 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

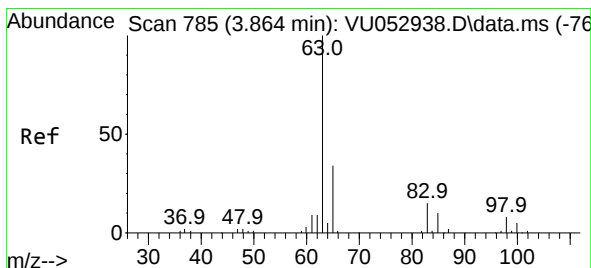
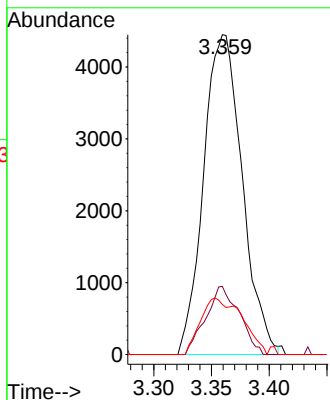
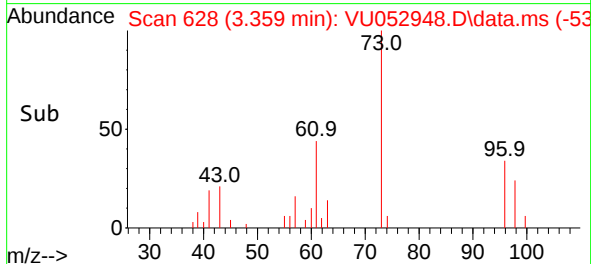
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-01



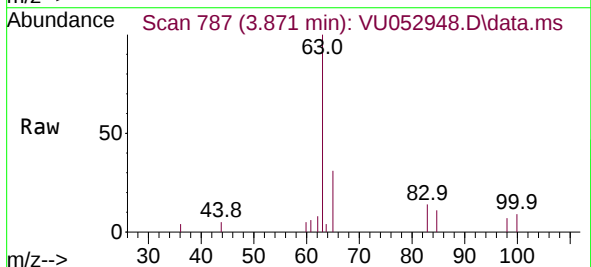
Tgt Ion: 73 Resp: 10343
Ion Ratio Lower Upper
73 100
43 18.6 14.2 21.2
57 11.3 16.3 24.5

Manual Integrations
APPROVED

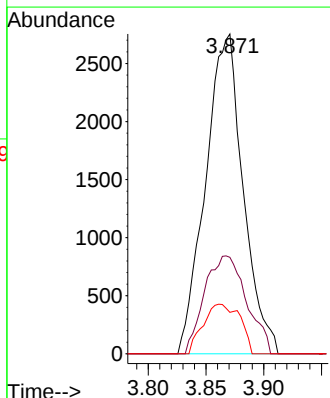
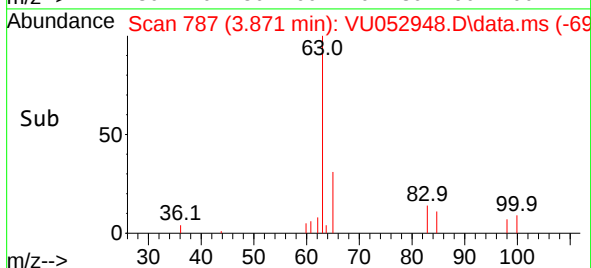
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023

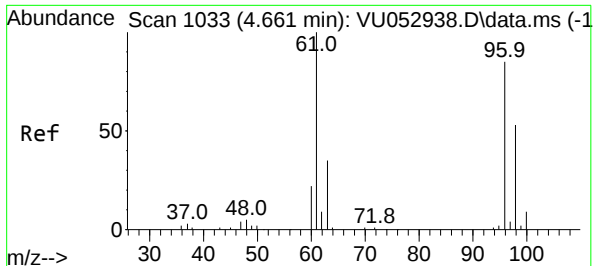


#19
1,1-Dichloroethane
Concen: 2.212 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.007 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31



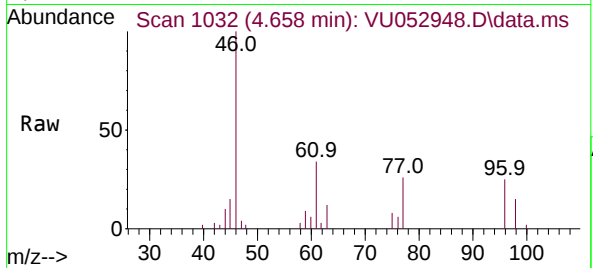
Tgt Ion: 63 Resp: 6237
Ion Ratio Lower Upper
63 100
65 30.2 22.4 41.6
83 13.0 9.2 17.2





#20
 cis-1,2-Dichloroethene
 Concen: 2.229 ug/L
 RT: 4.658 min Scan# 1032
 Delta R.T. -0.003 min
 Lab File: VU052948.D
 Acq: 03 Feb 2023 16:31

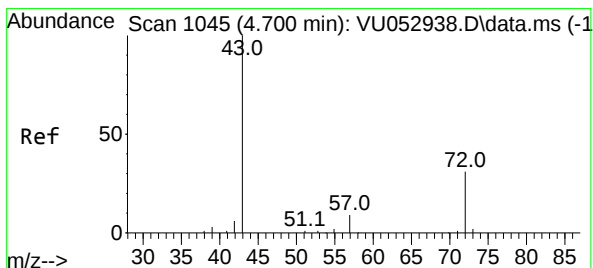
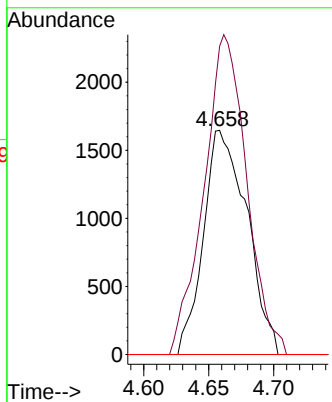
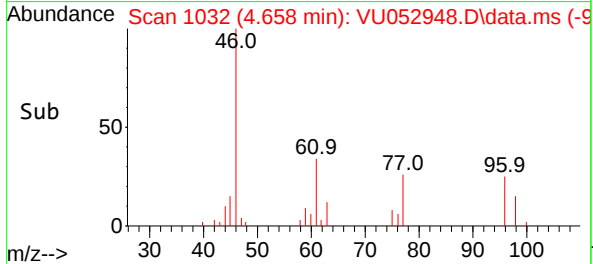
Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2023-01



Tgt Ion: 96 Resp: 3825
 Ion Ratio Lower Upper
 96 100
 61 137.5 84.1 156.1
 68 0.0 0.0 0.0

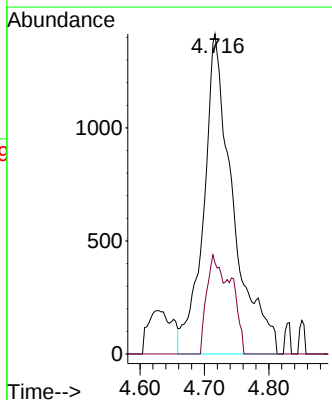
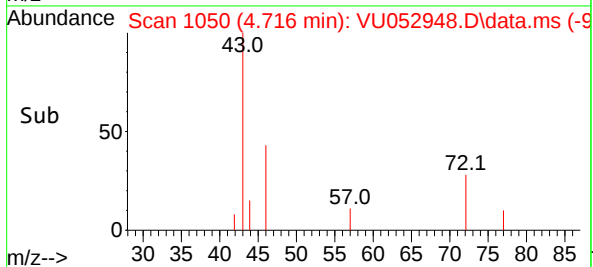
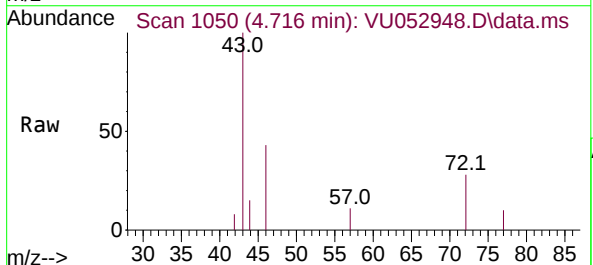
Manual Integrations
 APPROVED

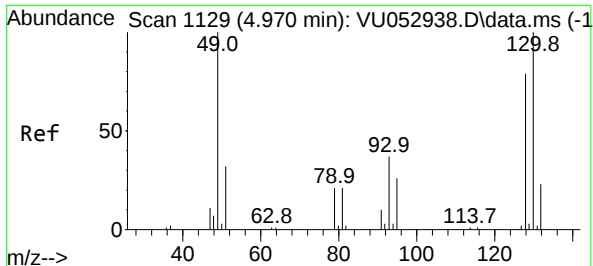
Reviewed By :Krupa Patel 02/06/2023
 Supervised By :Mahesh Dadoda 02/06/2023



#22
 2-Butanone
 Concen: 3.853 ug/L m
 RT: 4.716 min Scan# 1050
 Delta R.T. 0.016 min
 Lab File: VU052948.D
 Acq: 03 Feb 2023 16:31

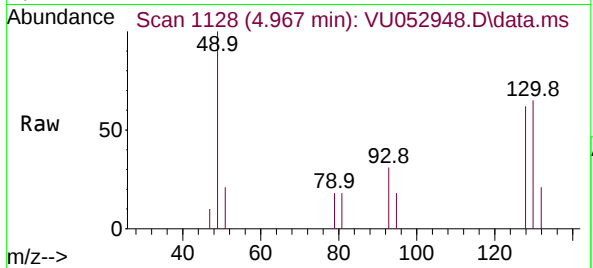
Tgt Ion: 43 Resp: 4497
 Ion Ratio Lower Upper
 43 100
 72 15.5 15.5 46.5#





#23
Bromochloromethane
Concen: 2.134 ug/L m
RT: 4.967 min Scan# 1128
Delta R.T. -0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

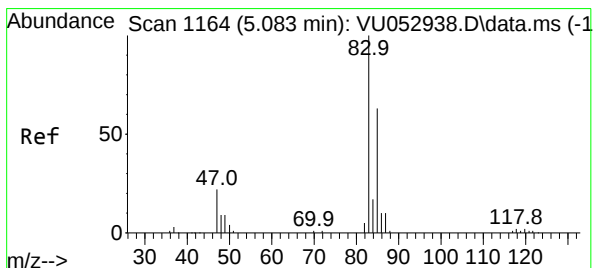
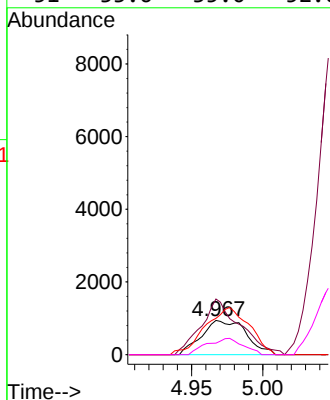
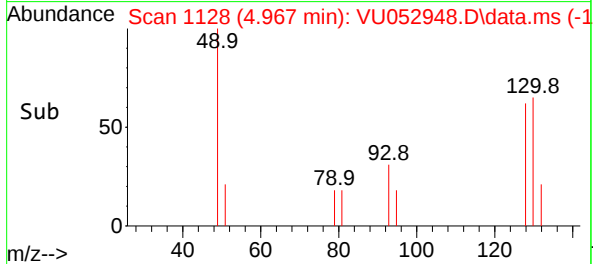
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-01



Tgt Ion:128 Resp: 2052
Ion Ratio Lower Upper
128 100
49 162.6 90.1 167.3
130 105.8 90.1 167.3
51 33.6 35.0 52.6#

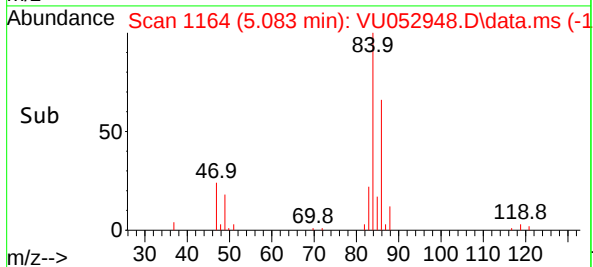
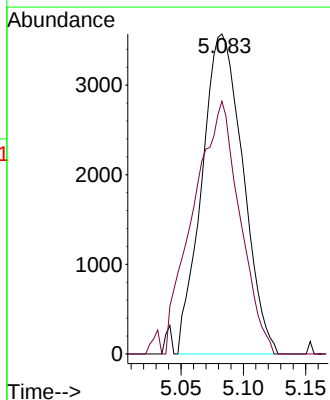
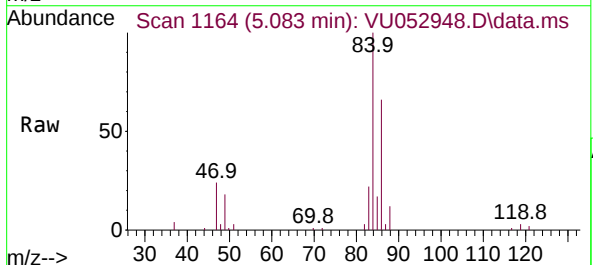
Manual Integrations
APPROVED

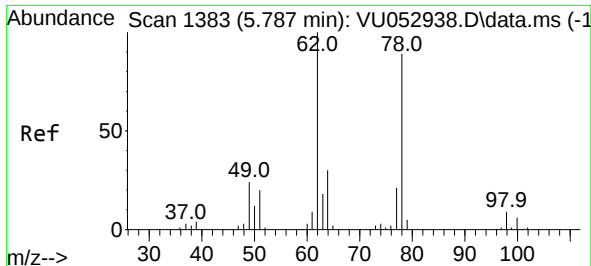
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#25
Chloroform
Concen: 2.588 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. 0.000 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

Tgt Ion: 83 Resp: 8192
Ion Ratio Lower Upper
83 100
85 78.9 45.8 85.0





#27

1,2-Dichloroethane

Concen: 2.522 ug/L

RT: 5.793 min Scan# 1383

Delta R.T. 0.007 min

Lab File: VU052948.D

Acq: 03 Feb 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2023-01

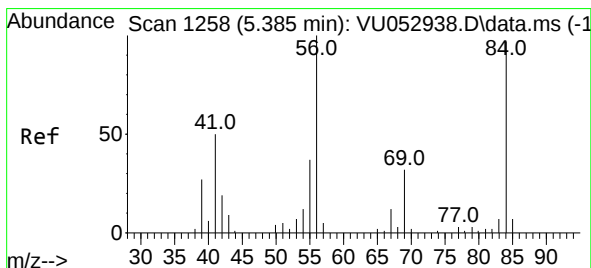
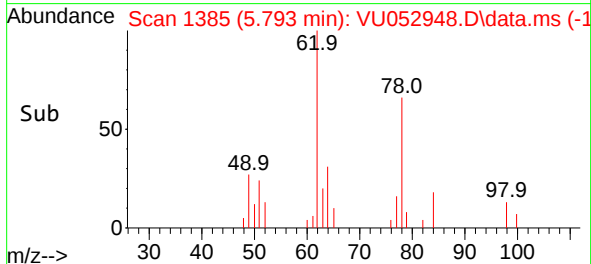
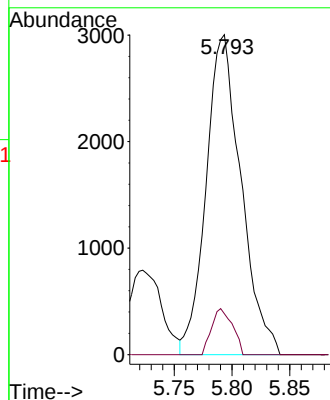
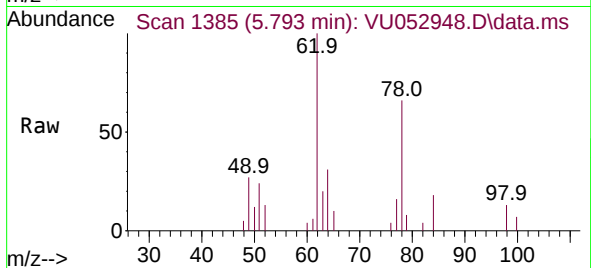
Tgt Ion:	62	Resp:	6319
Ion Ratio	Lower	Upper	
62	100		
98	12.8	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/06/2023

Supervised By :Mahesh Dadoda 02/06/2023



#29

Cyclohexane

Concen: 1.957 ug/L m

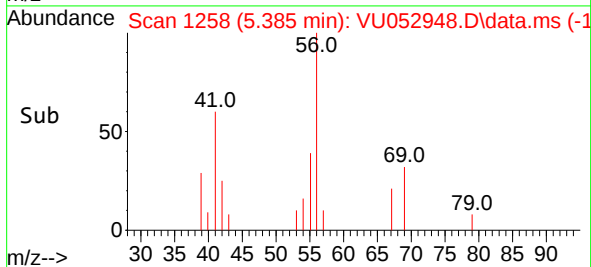
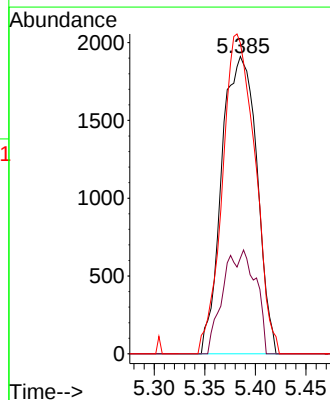
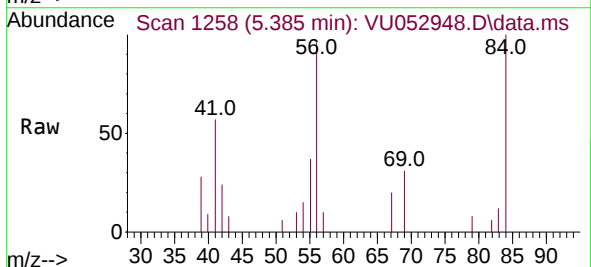
RT: 5.385 min Scan# 1258

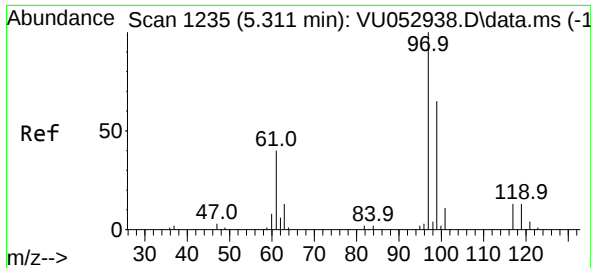
Delta R.T. 0.000 min

Lab File: VU052948.D

Acq: 03 Feb 2023 16:31

Tgt Ion:	56	Resp:	4611
Ion Ratio	Lower	Upper	
56	100		
69	0.0	26.6	40.0
84	0.0	77.0	115.4





#30

1,1,1-Trichloroethane

Concen: 2.361 ug/L

RT: 5.314 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VU052948.D

Acq: 03 Feb 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2023-01

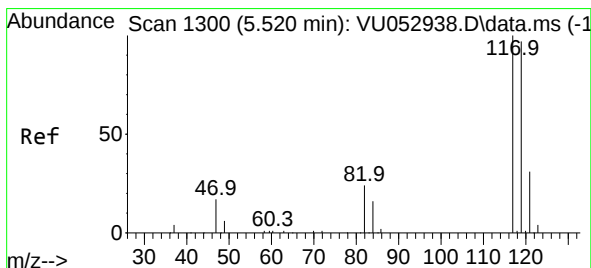
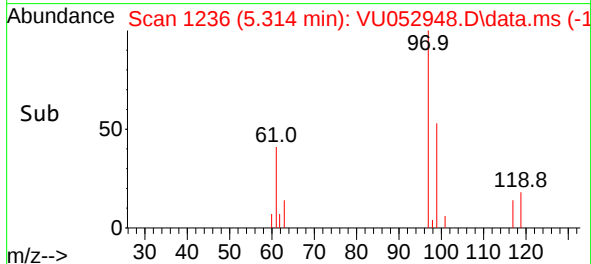
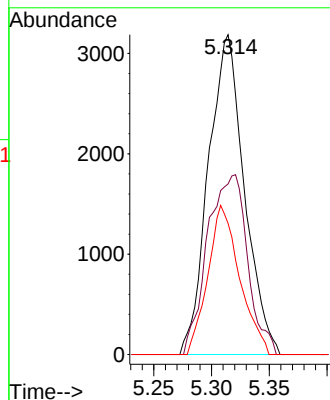
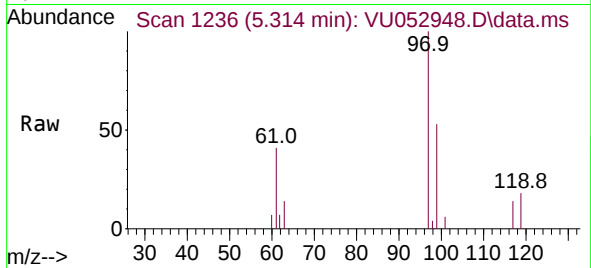
Tgt Ion: 97	Resp: 690
Ion Ratio	Lower Upper
97	100
99	62.5 51.4 77.0
61	41.2 33.0 49.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/06/2023

Supervised By :Mahesh Dadoda 02/06/2023



#31

Carbon tetrachloride

Concen: 2.249 ug/L

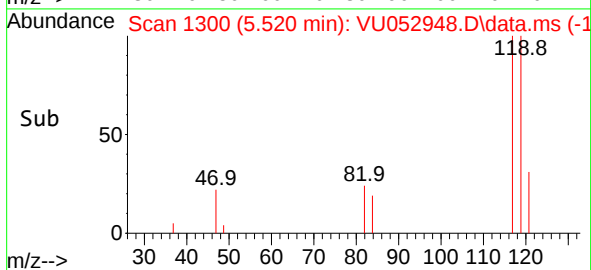
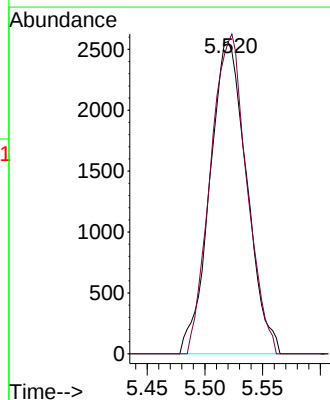
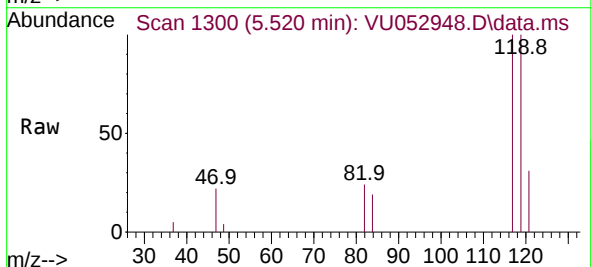
RT: 5.520 min Scan# 1300

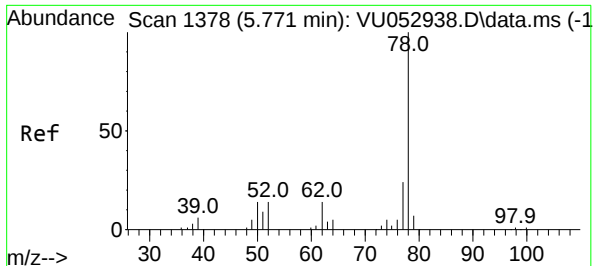
Delta R.T. 0.000 min

Lab File: VU052948.D

Acq: 03 Feb 2023 16:31

Tgt Ion:117	Resp: 5703
Ion Ratio	Lower Upper
117	100
119	100.2 76.2 114.4





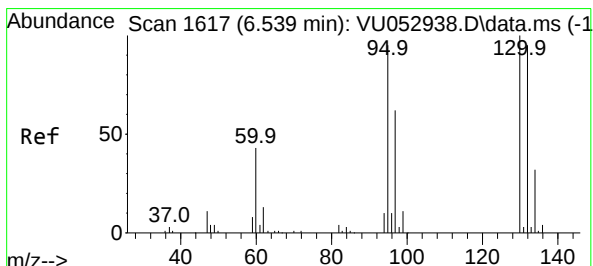
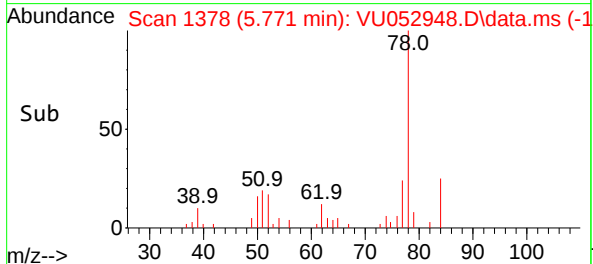
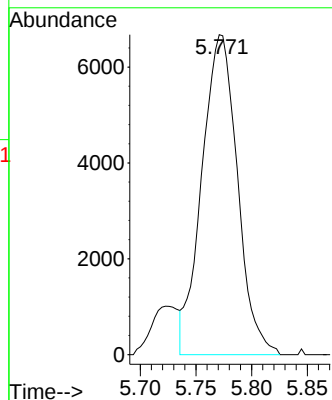
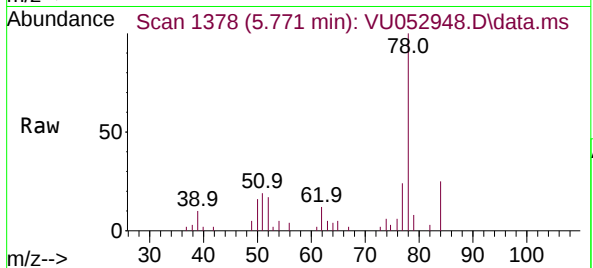
#33
Benzene
Concen: 2.194 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2023-01

Tgt Ion: 78 Resp: 14852

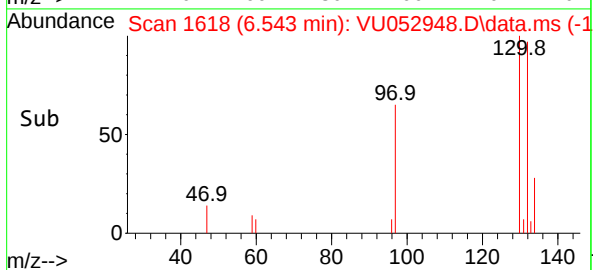
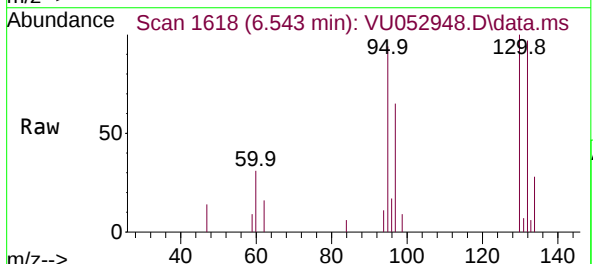
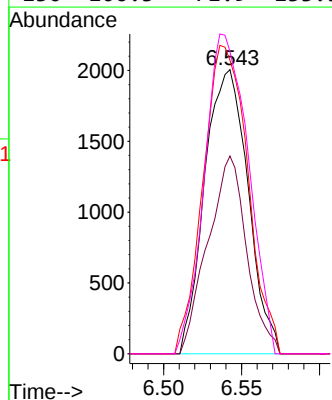
Manual Integrations
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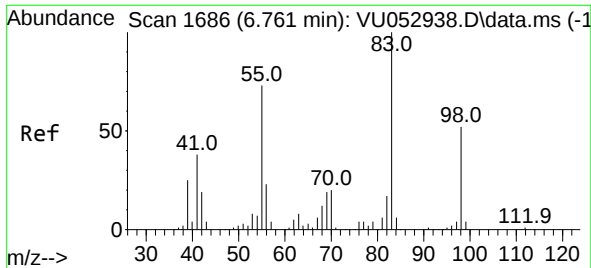
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#34
Trichloroethene
Concen: 2.251 ug/L
RT: 6.543 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

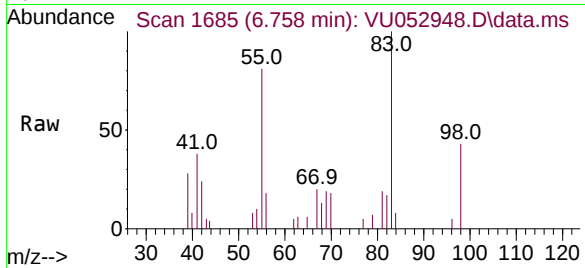
Tgt Ion: 95 Resp: 3873
Ion Ratio Lower Upper
95 100
97 69.6 44.5 82.7
132 103.3 66.8 124.0
130 106.3 71.9 133.5





#35
Methylcyclohexane
Concen: 1.968 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

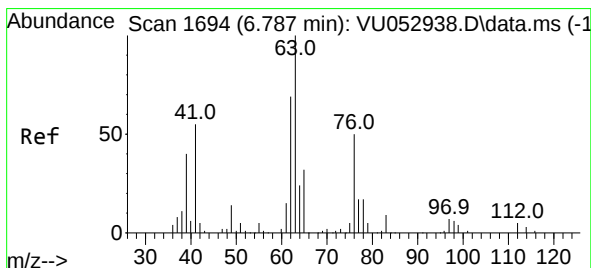
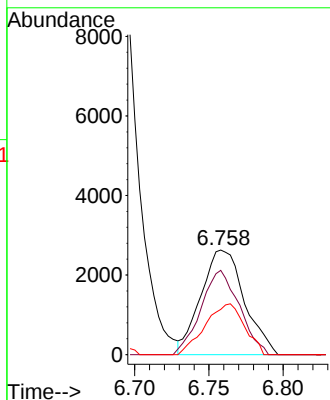
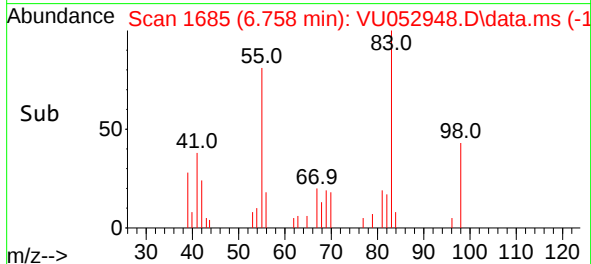
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2023-01



Tgt Ion: 83 Resp: 5359
Ion Ratio Lower Upper
83 100
55 70.9 57.1 85.7
98 43.8 38.9 58.3

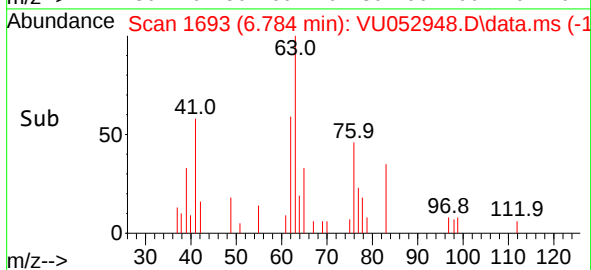
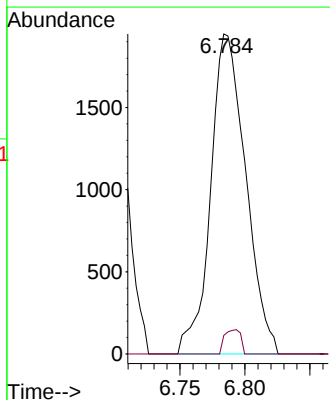
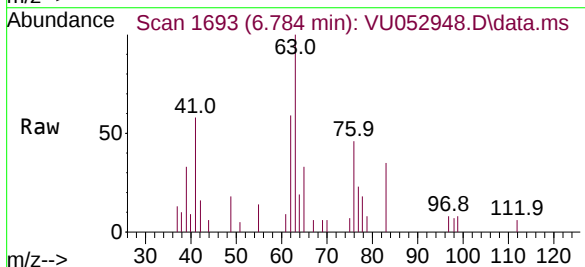
Manual Integrations
APPROVED

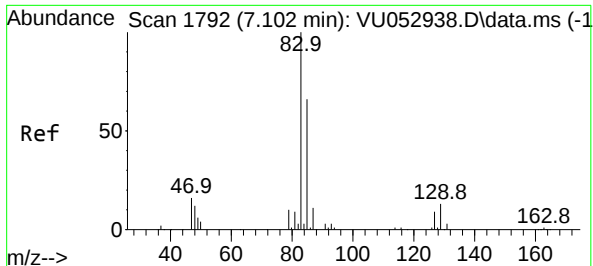
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#37
1,2-Dichloropropane
Concen: 2.197 ug/L
RT: 6.784 min Scan# 1693
Delta R.T. -0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

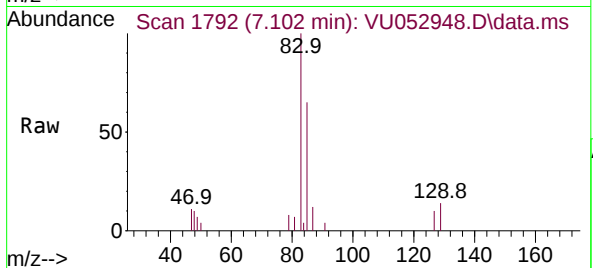
Tgt Ion: 63 Resp: 3656
Ion Ratio Lower Upper
63 100
112 3.5 3.8 5.8#





#38
Bromodichloromethane
Concen: 2.239 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

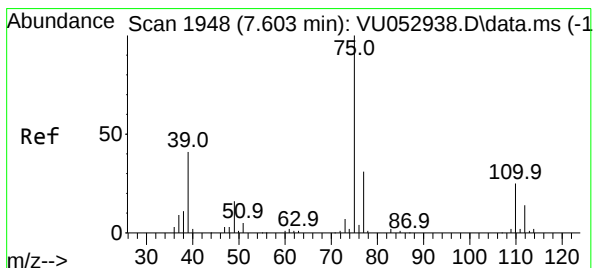
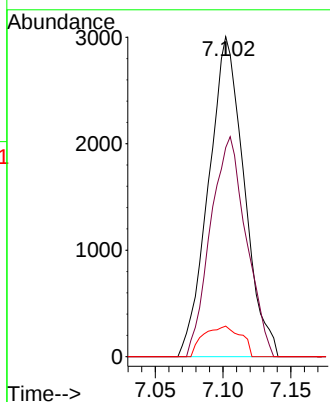
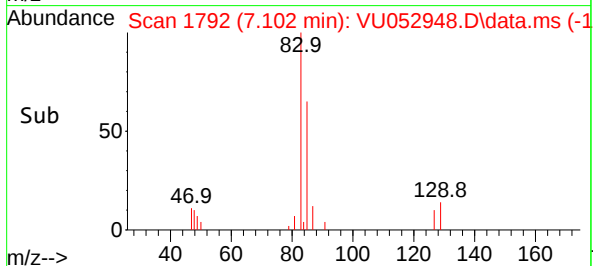
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2023-01



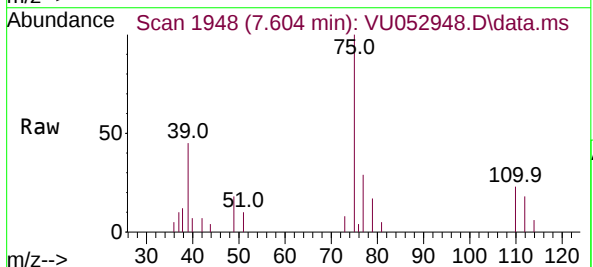
Tgt Ion: 83 Resp: 5468
Ion Ratio Lower Upper
83 100
85 65.3 45.2 84.0
127 9.5 7.4 11.0

Manual Integrations
APPROVED

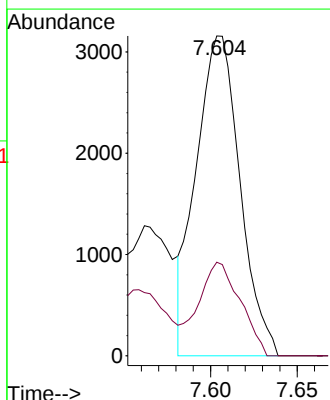
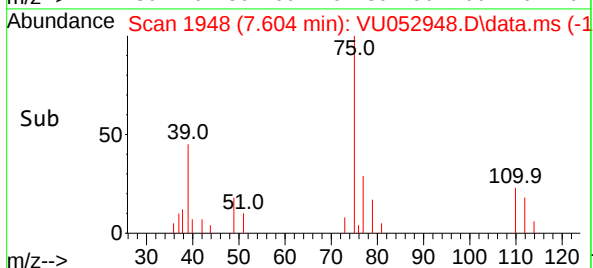
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023

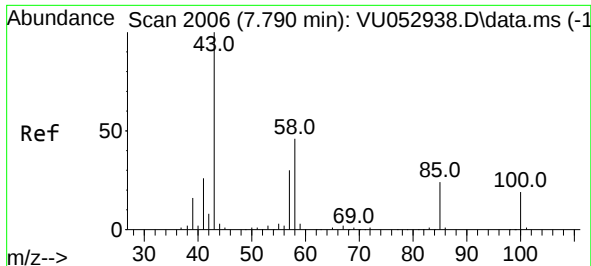


#39
cis-1,3-Dichloropropene
Concen: 2.136 ug/L
RT: 7.604 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31



Tgt Ion: 75 Resp: 5569
Ion Ratio Lower Upper
75 100
77 29.3 21.6 40.0





#40

4-Methyl-2-pentanone

Concen: 3.450 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU052948.D

Acq: 03 Feb 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2023-01

Tgt Ion: 43 Resp: 6765

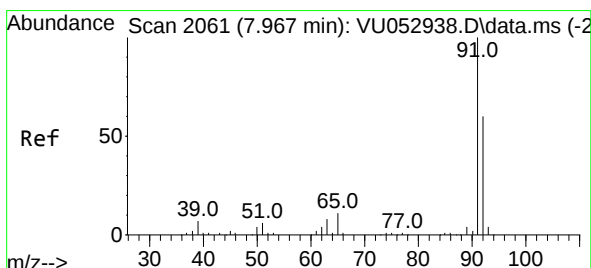
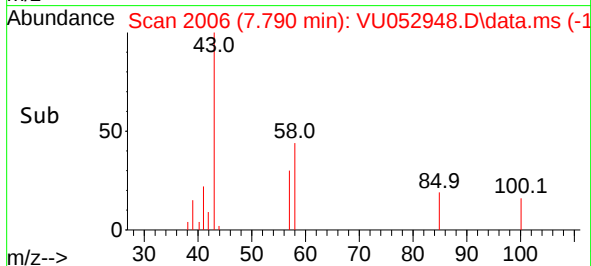
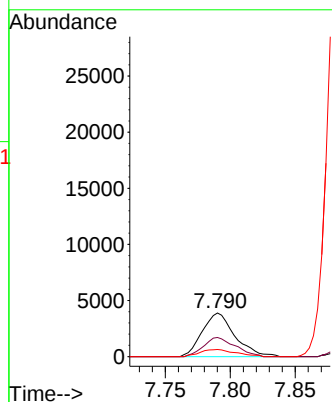
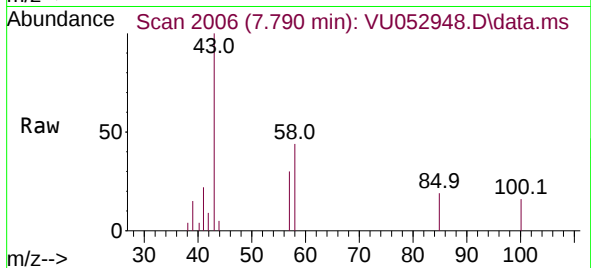
Ion	Ratio	Lower	Upper
43	100		
58	42.4	35.4	53.2
100	17.9	16.0	24.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/06/2023

Supervised By :Mahesh Dadoda 02/06/2023



#42

Toluene

Concen: 2.256 ug/L

RT: 7.967 min Scan# 2061

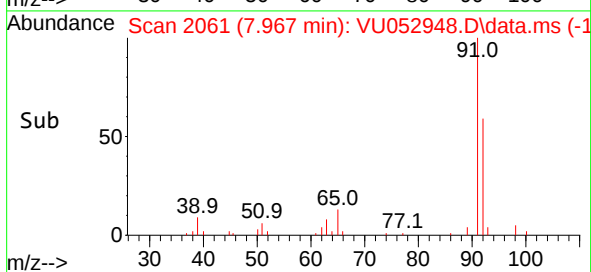
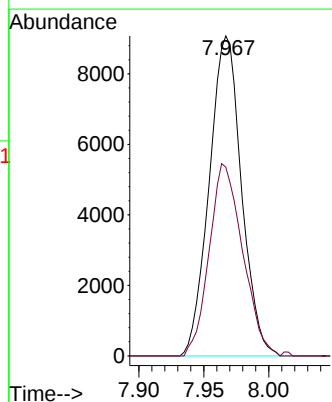
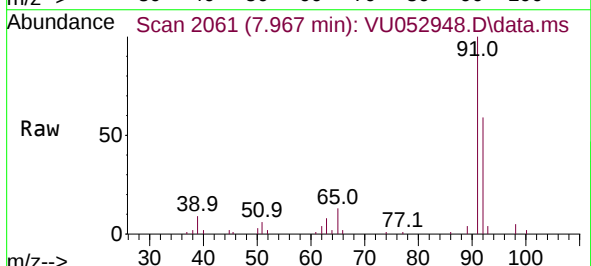
Delta R.T. 0.000 min

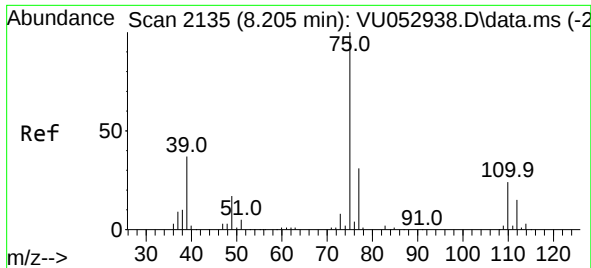
Lab File: VU052948.D

Acq: 03 Feb 2023 16:31

Tgt Ion: 91 Resp: 15655

Ion	Ratio	Lower	Upper
91	100		
92	59.0	42.6	79.0





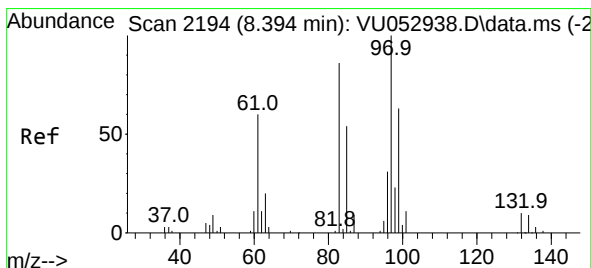
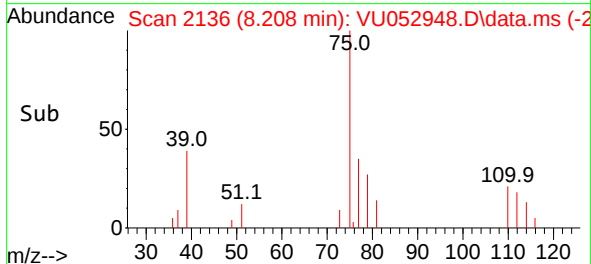
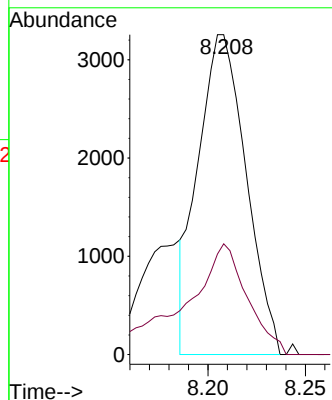
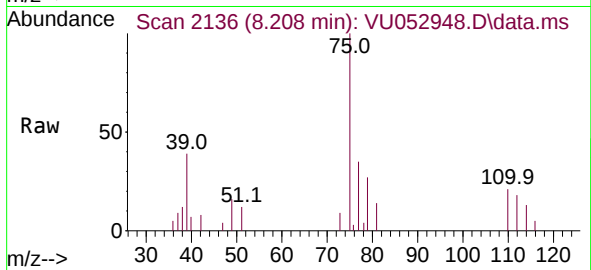
#44
trans-1,3-Dichloropropene
Concen: 2.178 ug/L
RT: 8.208 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-01

Tgt Ion: 75 Resp: 5586
Ion Ratio Lower Upper
75 100
77 33.6 22.3 41.3

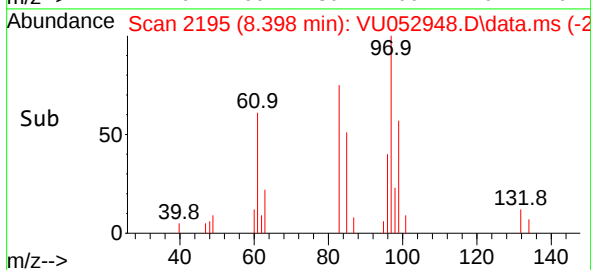
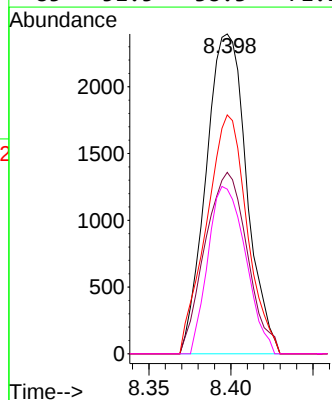
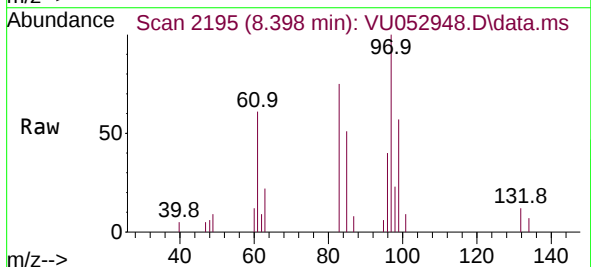
Manual Integrations
APPROVED

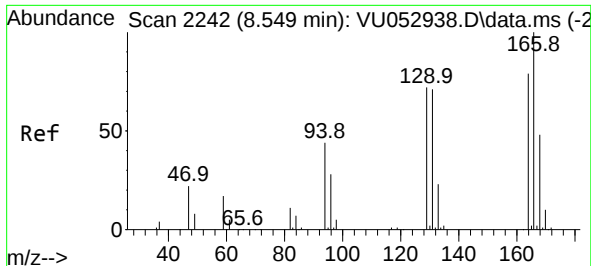
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#45
1,1,2-Trichloroethane
Concen: 2.427 ug/L
RT: 8.398 min Scan# 2195
Delta R.T. 0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

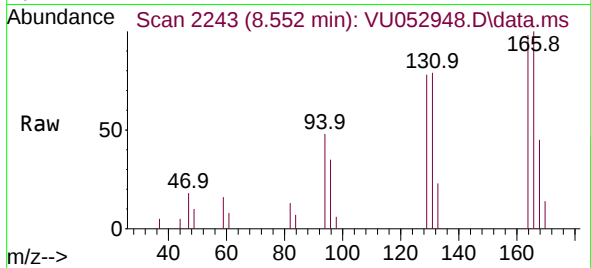
Tgt Ion: 97 Resp: 4131
Ion Ratio Lower Upper
97 100
99 56.7 44.7 83.1
83 74.7 60.3 112.1
85 51.5 38.3 71.1





#46
Tetrachloroethene
Concen: 2.455 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

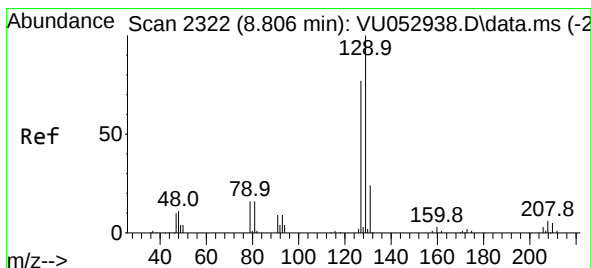
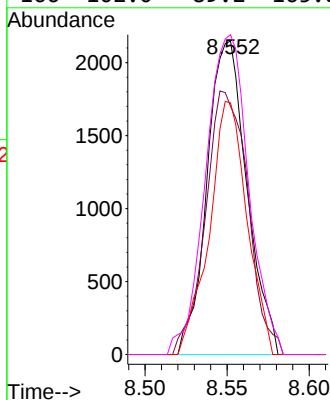
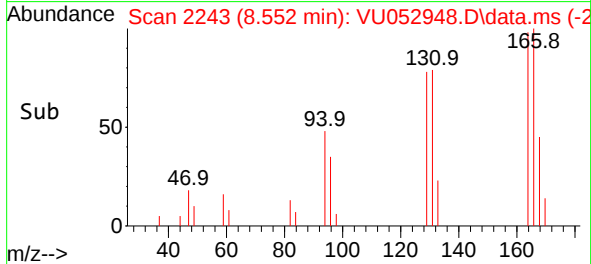
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2023-01



Tgt Ion:164 Resp: 3638
Ion Ratio Lower Upper
164 100
129 79.2 64.8 120.3
131 80.3 61.2 113.6
166 102.0 89.2 165.8

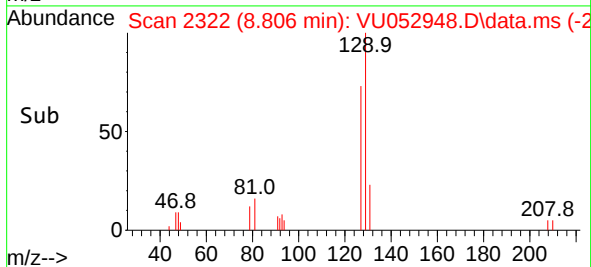
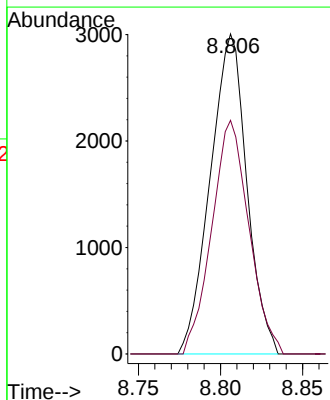
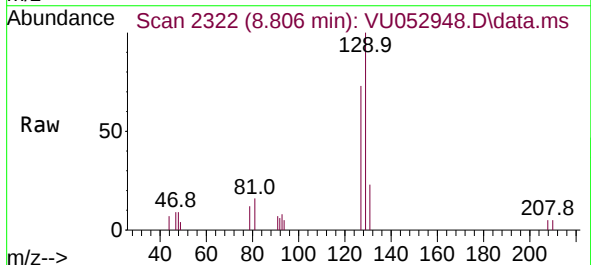
Manual Integrations
APPROVED

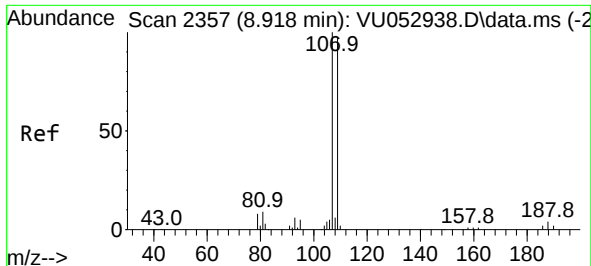
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#49
Dibromochloromethane
Concen: 2.289 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

Tgt Ion:129 Resp: 4658
Ion Ratio Lower Upper
129 100
127 73.0 53.2 98.8





#50

1,2-Dibromoethane

Concen: 2.138 ug/L

RT: 8.919 min Scan# 2357

Delta R.T. 0.000 min

Lab File: VU052948.D

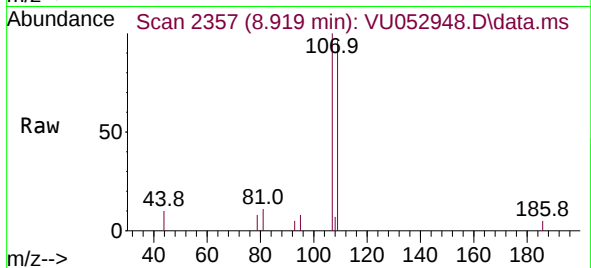
Acq: 03 Feb 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2023-01



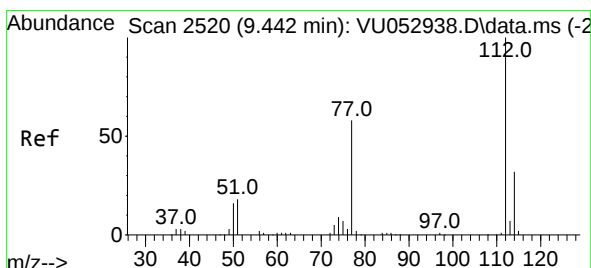
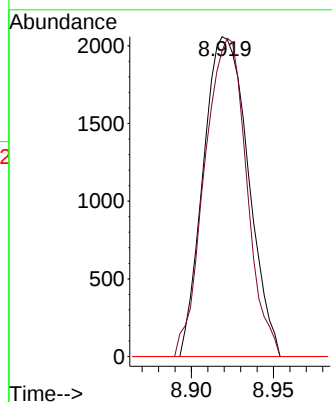
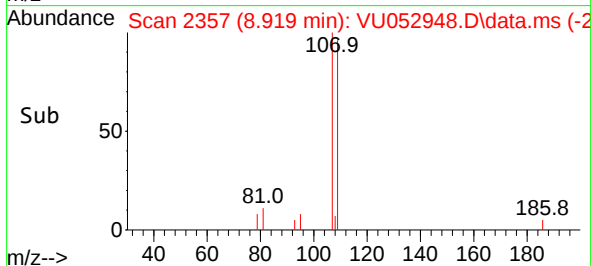
Tgt Ion:	107	Resp:	3916
Ion	Ratio	Lower	Upper
107	100		
109	95.7	65.5	121.6
188	0.0	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/06/2023

Supervised By :Mahesh Dadoda 02/06/2023



#51

Chlorobenzene

Concen: 2.476 ug/L

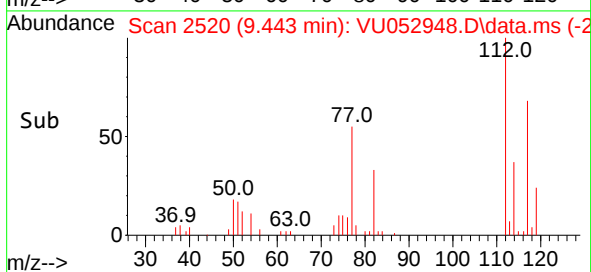
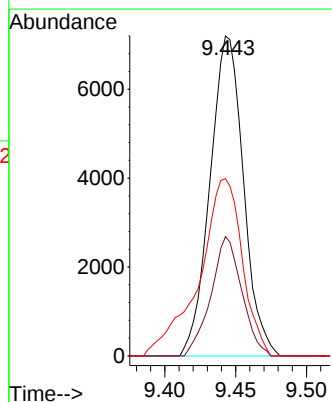
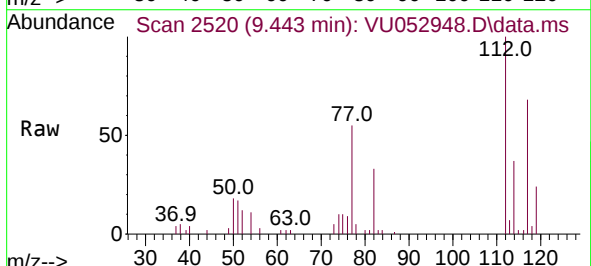
RT: 9.443 min Scan# 2520

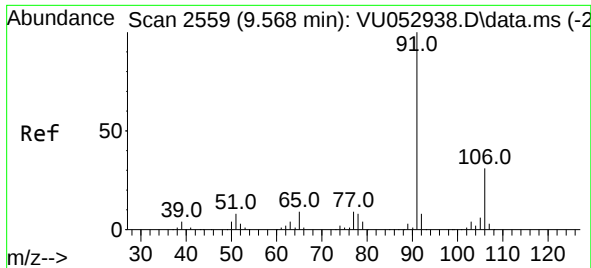
Delta R.T. 0.000 min

Lab File: VU052948.D

Acq: 03 Feb 2023 16:31

Tgt Ion:	112	Resp:	11819
Ion	Ratio	Lower	Upper
112	100		
114	37.3	22.8	42.4
77	55.4	45.9	68.9





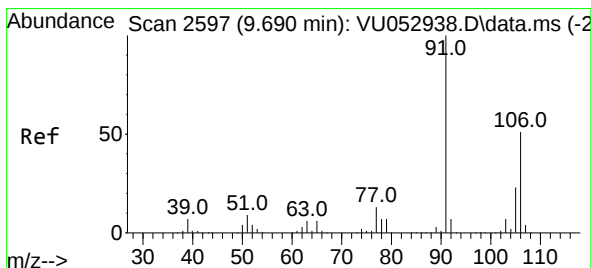
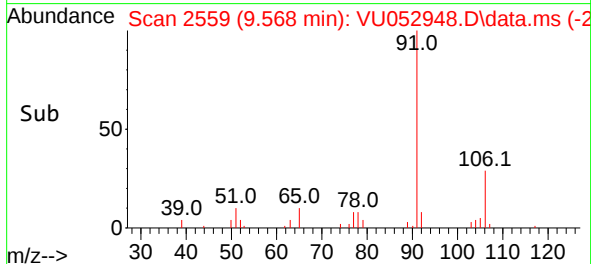
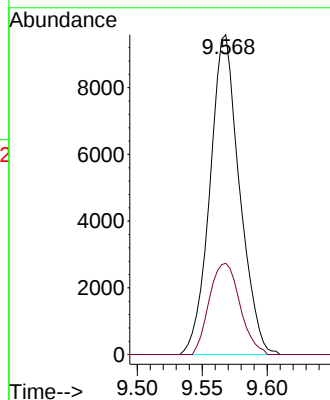
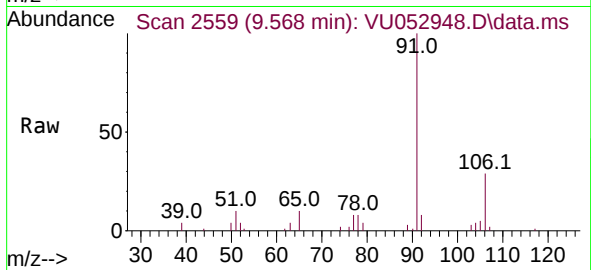
#52
Ethylbenzene
Concen: 2.050 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.000 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-01

Tgt Ion: 91 Resp: 15203
Ion Ratio Lower Upper
91 100
106 28.5 22.0 40.8

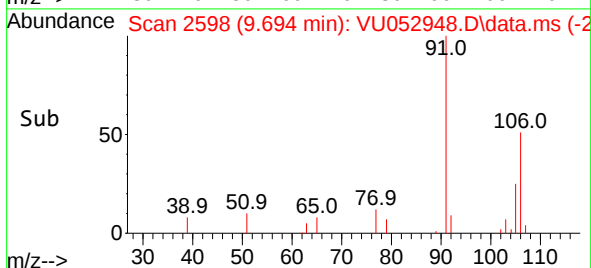
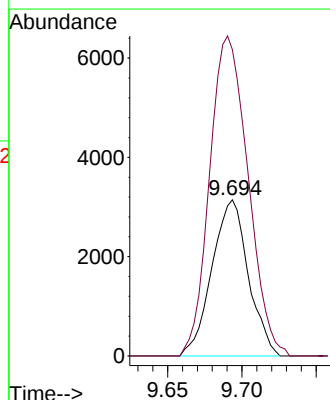
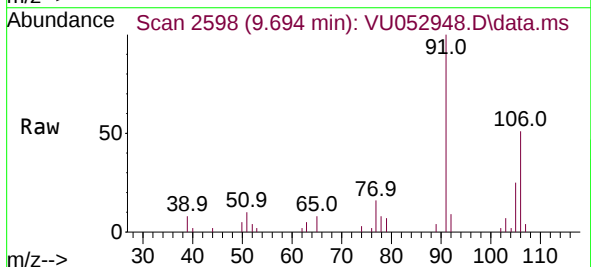
Manual Integrations
APPROVED

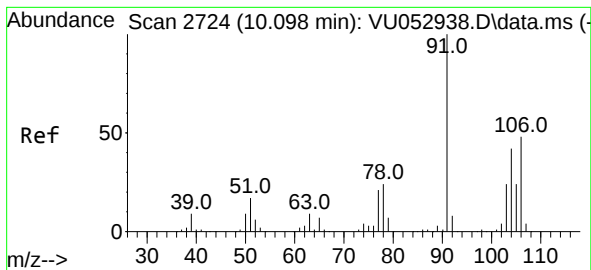
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#53
m,p-Xylene
Concen: 1.783 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

Tgt Ion:106 Resp: 5352
Ion Ratio Lower Upper
106 100
91 196.3 137.4 255.2





#54

o-xylene

Concen: 2.094 ug/L

RT: 10.095 min Scan# 2723

Delta R.T. -0.003 min

Lab File: VU052948.D

Acq: 03 Feb 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2023-01

Tgt Ion:106 Resp: 599

Ion Ratio Lower Upper

106 100

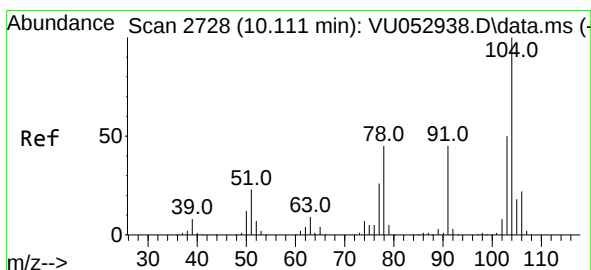
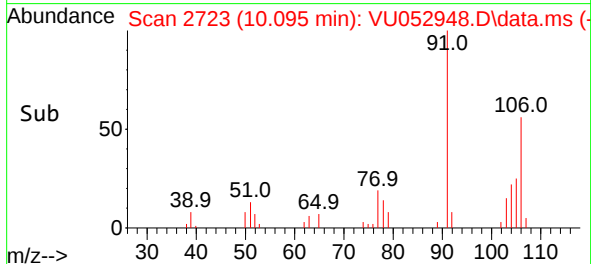
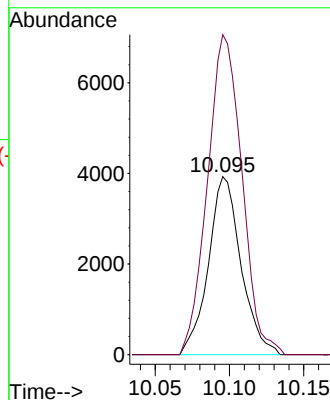
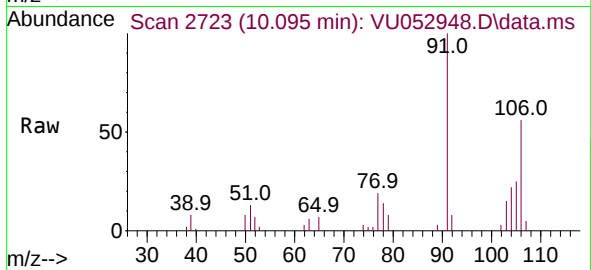
91 179.7 143.4 266.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/06/2023

Supervised By :Mahesh Dadoda 02/06/2023



#55

Styrene

Concen: 1.821 ug/L

RT: 10.108 min Scan# 2727

Delta R.T. -0.003 min

Lab File: VU052948.D

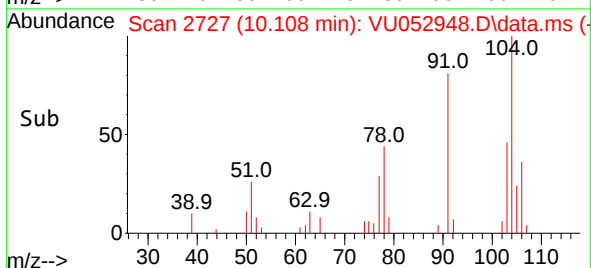
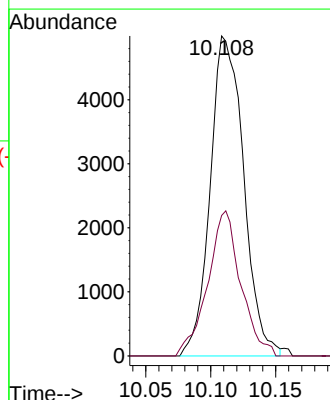
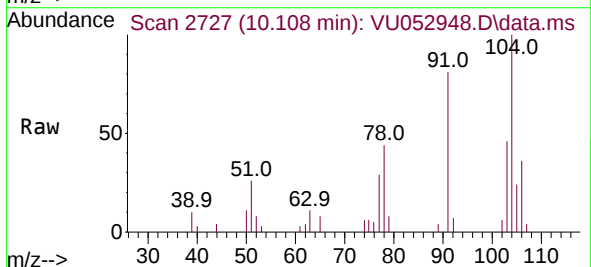
Acq: 03 Feb 2023 16:31

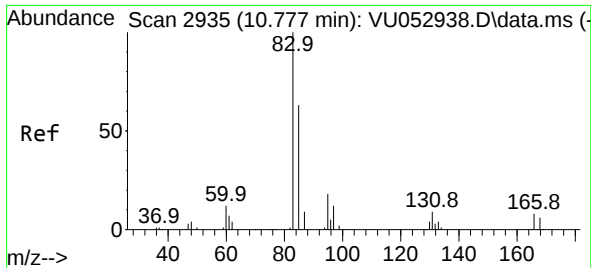
Tgt Ion:104 Resp: 8952

Ion Ratio Lower Upper

104 100

78 43.9 31.9 59.2





#57

1,1,2,2-Tetrachloroethane

Concen: 2.242 ug/L

RT: 10.777 min Scan# 2935

Delta R.T. 0.000 min

Lab File: VU052948.D

Acq: 03 Feb 2023 16:31

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2023-01

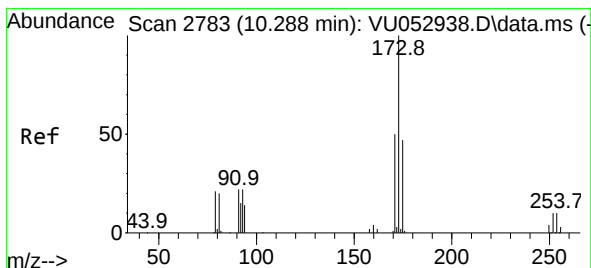
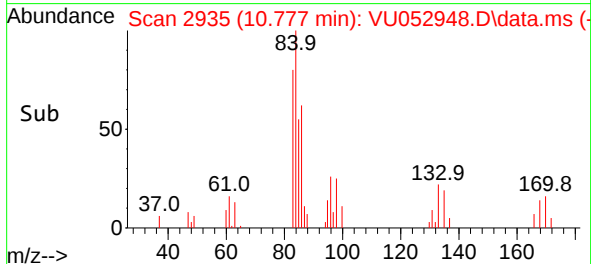
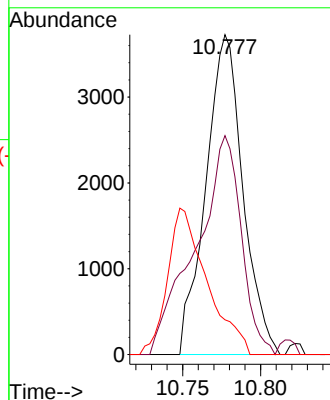
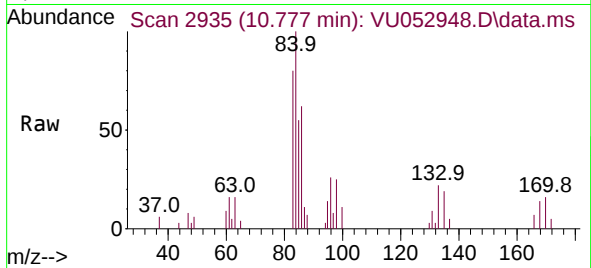
Tgt Ion:	83	Resp:	6174
Ion Ratio	Lower	Upper	
83	100		
85	68.4	45.0	83.6
131	10.9	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/06/2023

Supervised By :Mahesh Dadoda 02/06/2023



#59

Bromoform

Concen: 2.320 ug/L

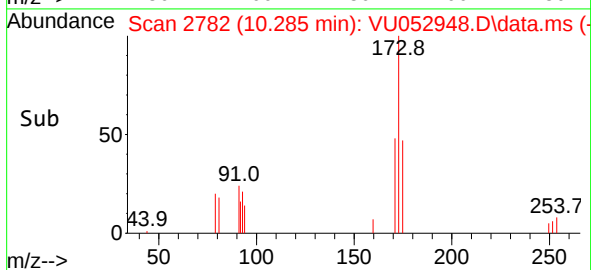
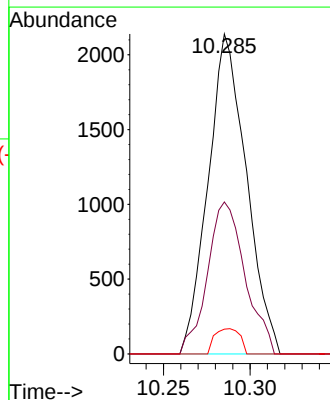
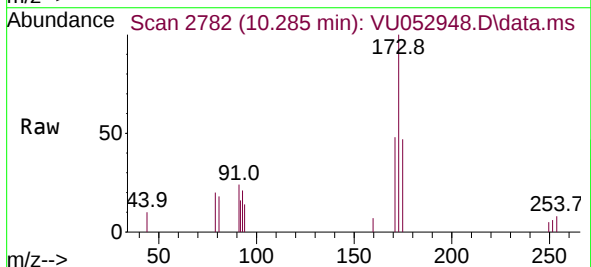
RT: 10.285 min Scan# 2782

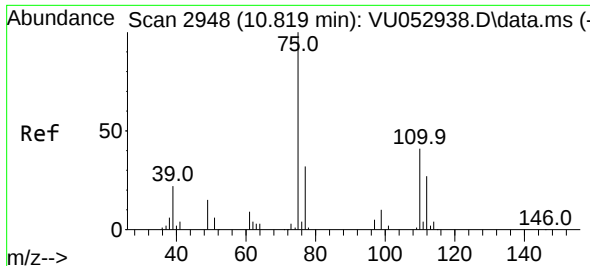
Delta R.T. -0.003 min

Lab File: VU052948.D

Acq: 03 Feb 2023 16:31

Tgt Ion:	173	Resp:	3279
Ion Ratio	Lower	Upper	
173	100		
175	46.7	37.7	56.5
254	5.2	8.3	12.5





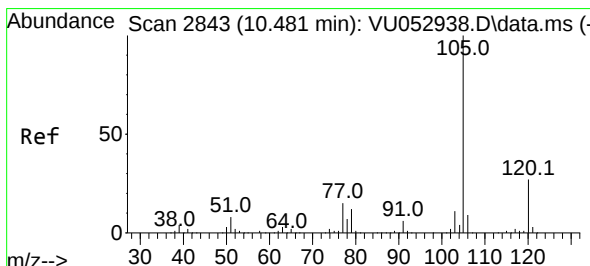
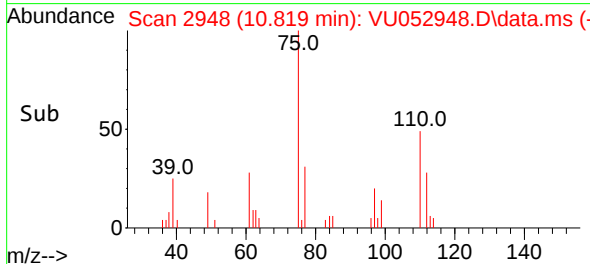
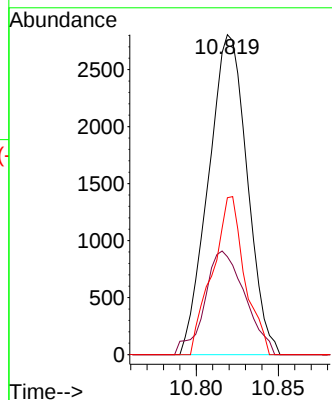
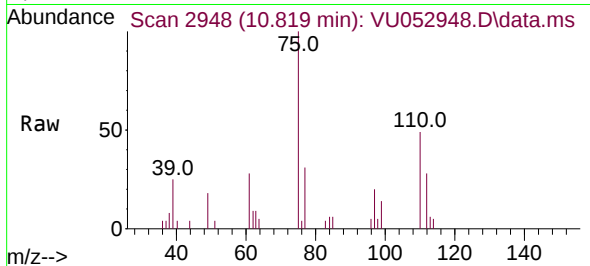
#60
1,2,3-Trichloropropane
Concen: 2.306 ug/L
RT: 10.819 min Scan# 2948
Delta R.T. 0.000 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2023-01

Tgt Ion: 75	Resp: 4613
Ion Ratio	Lower Upper
75 100	
77 32.8	25.8 38.8
110 41.3	32.4 48.6

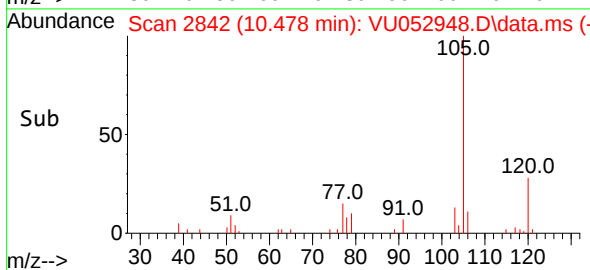
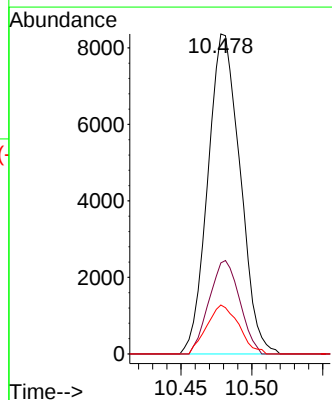
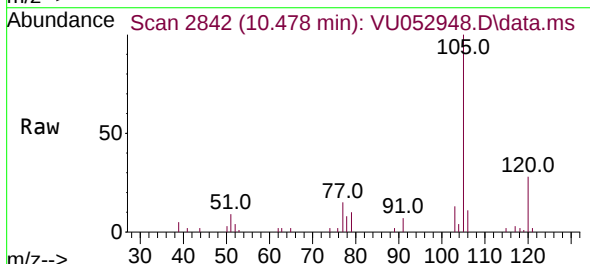
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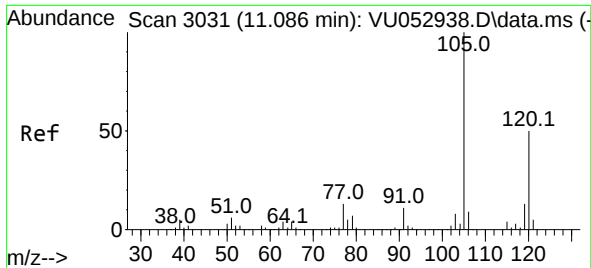
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#61
Isopropylbenzene
Concen: 1.986 ug/L
RT: 10.478 min Scan# 2842
Delta R.T. -0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

Tgt Ion: 105	Resp: 13229
Ion Ratio	Lower Upper
105 100	
120 27.6	21.4 32.2
77 15.1	12.2 18.2





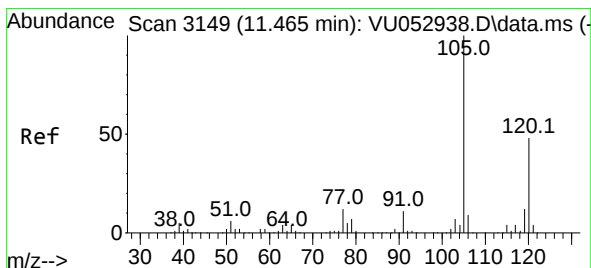
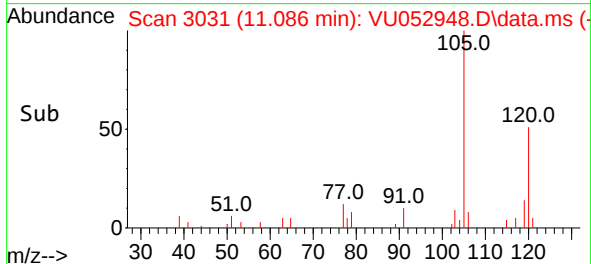
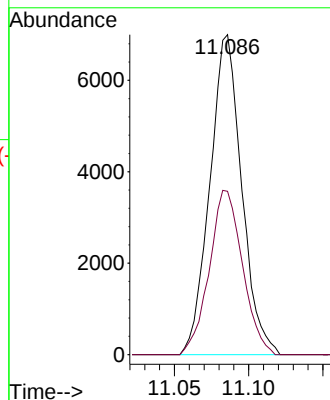
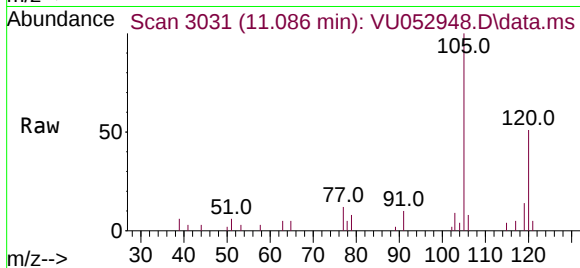
#62
1,3,5-Trimethylbenzene
Concen: 1.879 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. 0.000 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-01

Tgt Ion:105 Resp: 10420
Ion Ratio Lower Upper
105 100
120 53.6 40.4 60.6

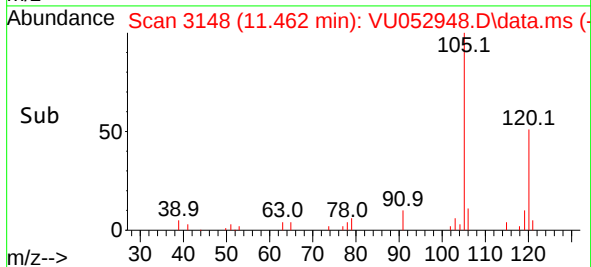
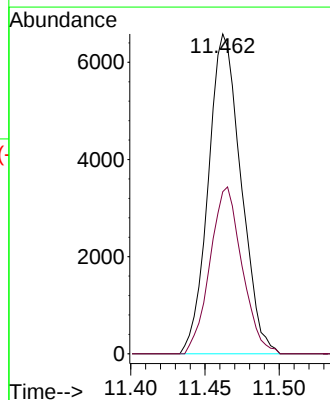
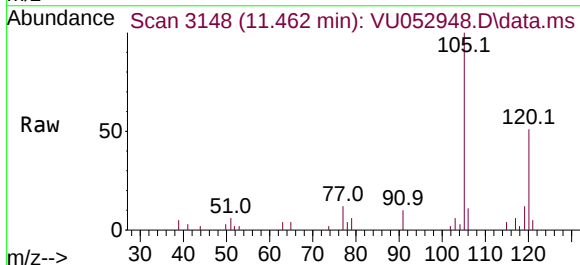
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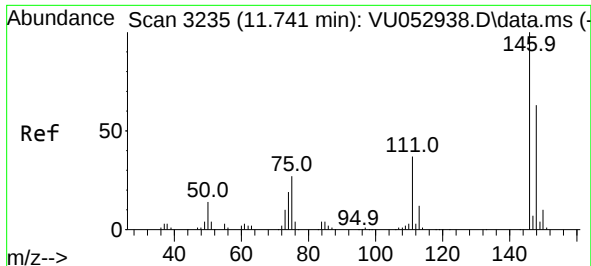
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#63
1,2,4-Trimethylbenzene
Concen: 1.880 ug/L
RT: 11.462 min Scan# 3148
Delta R.T. -0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

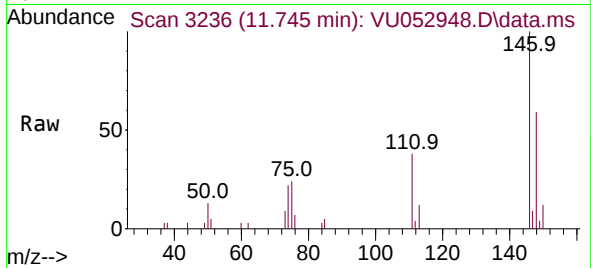
Tgt Ion:105 Resp: 10091
Ion Ratio Lower Upper
105 100
120 51.1 38.1 57.1





#64
1,3-Dichlorobenzene
Concen: 2.174 ug/L
RT: 11.745 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

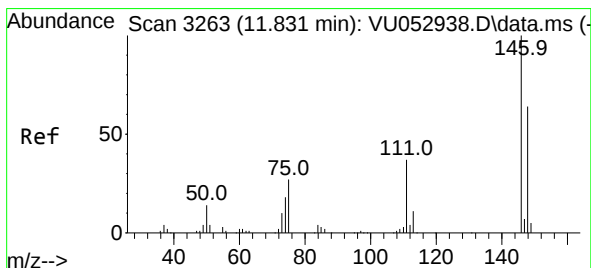
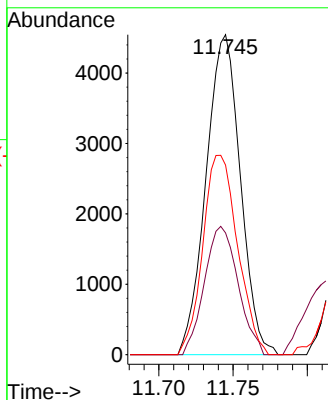
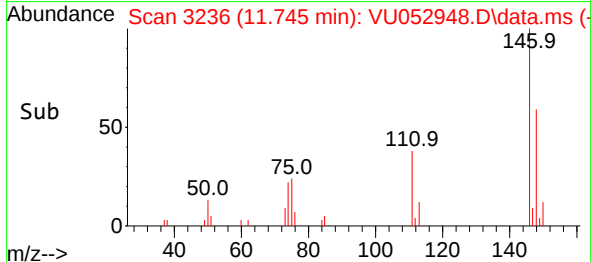
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-01



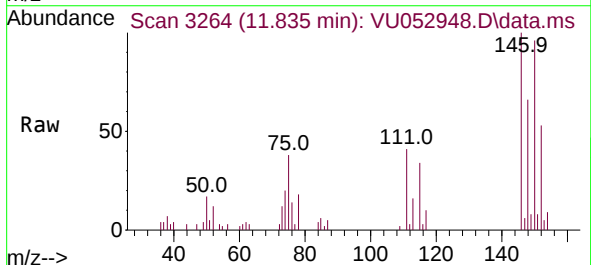
Tgt Ion:146 Resp: 7302
Ion Ratio Lower Upper
146 100
111 38.5 27.8 51.6
148 54.5 45.5 84.5

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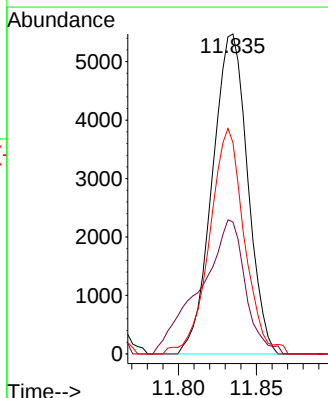
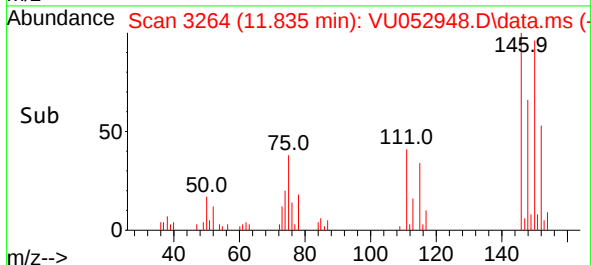
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023

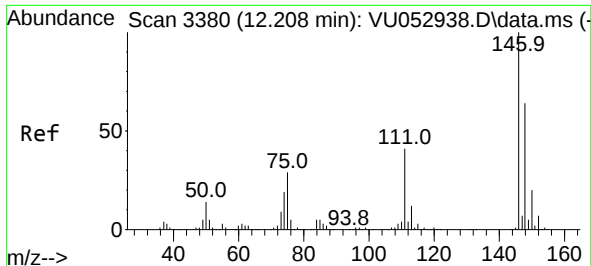


#65
1,4-Dichlorobenzene
Concen: 2.471 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31



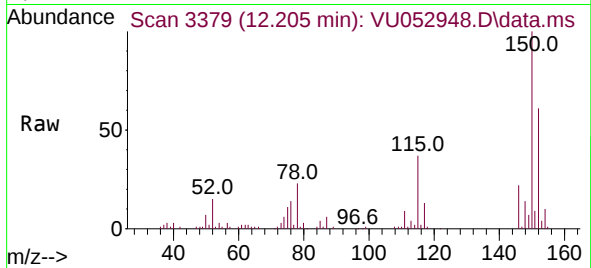
Tgt Ion:146 Resp: 8597
Ion Ratio Lower Upper
146 100
111 41.3 26.7 49.7
148 66.1 45.6 84.6





#67
1,2-Dichlorobenzene
Concen: 3.205 ug/L
RT: 12.205 min Scan# 3380
Delta R.T. -0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

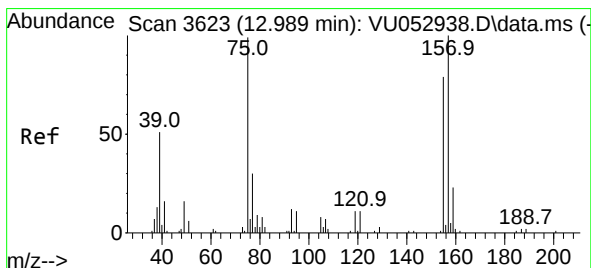
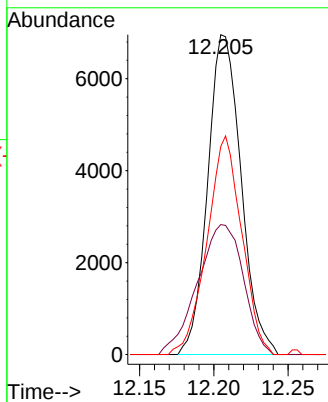
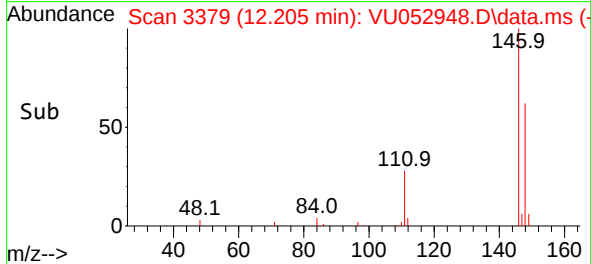
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2023-01



Tgt Ion:146 Resp: 10894
Ion Ratio Lower Upper
146 100
111 40.6 33.2 49.8
148 65.0 50.2 75.4

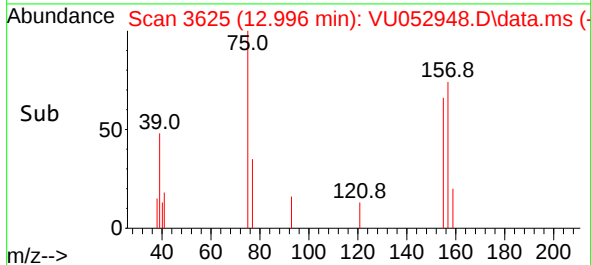
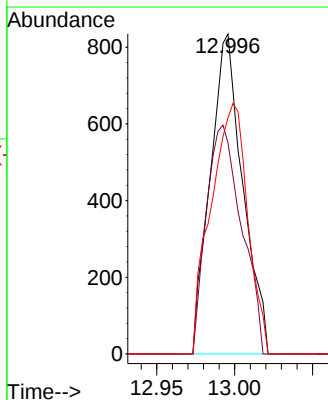
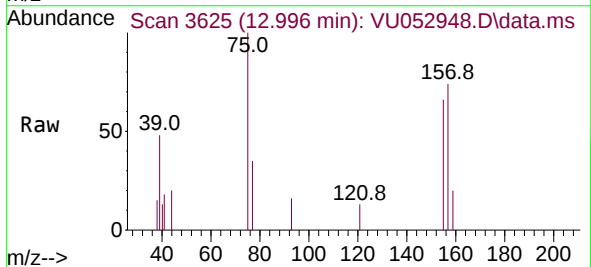
Manual Integrations
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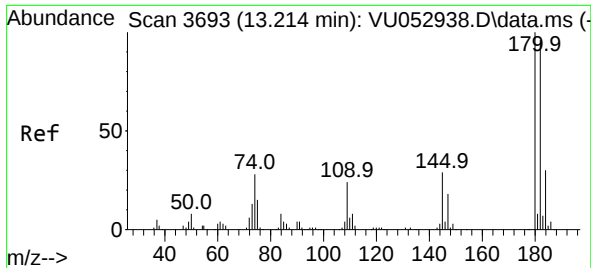
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#68
1,2-Dibromo-3-chloropropane
Concen: 2.107 ug/L
RT: 12.996 min Scan# 3625
Delta R.T. 0.007 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

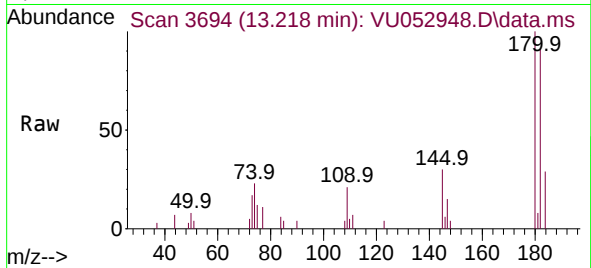
Tgt Ion: 75 Resp: 1208
Ion Ratio Lower Upper
75 100
155 66.0 69.2 103.8#
157 73.8 91.2 136.8#





#69
1,3,5-Trichlorobenzene
Concen: 2.234 ug/L
RT: 13.218 min Scan# 3694
Delta R.T. 0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31

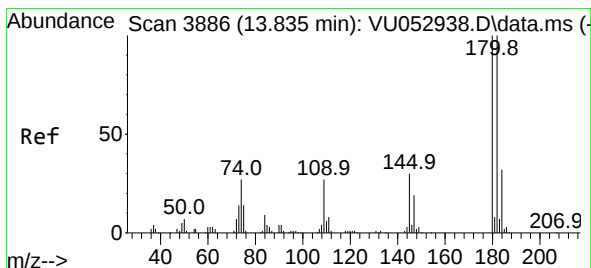
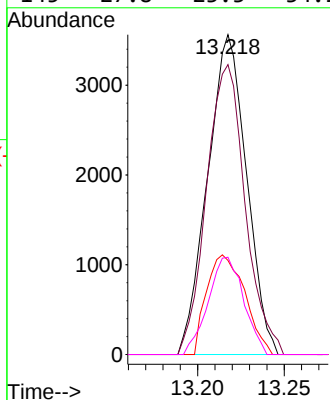
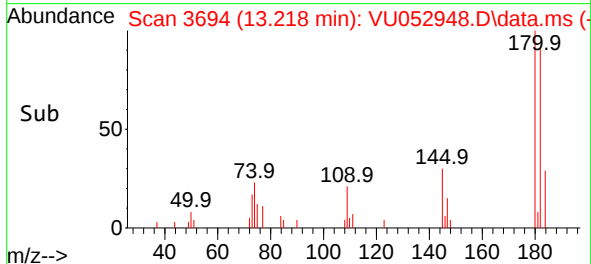
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-01



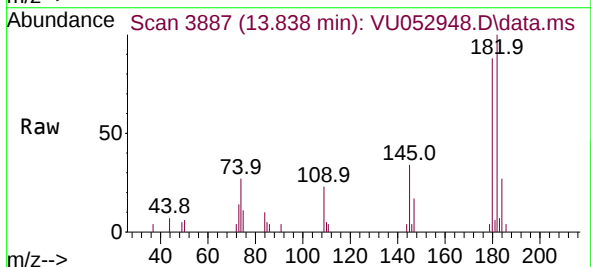
Tgt Ion:180 Resp: 555
Ion Ratio Lower Upper
180 100
182 90.2 77.0 115.6
184 30.7 24.4 36.6
145 27.8 23.3 34.9

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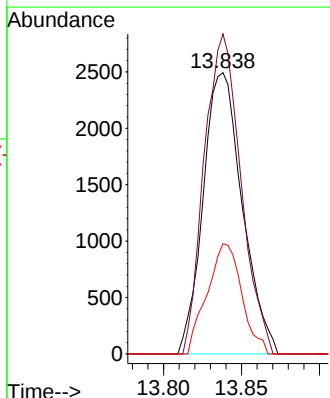
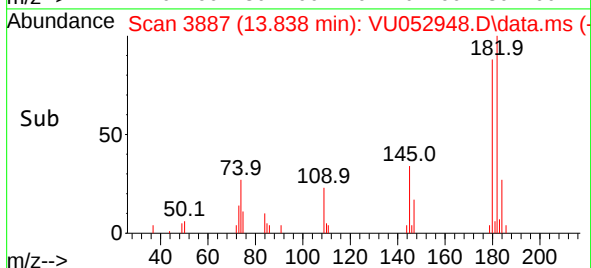
Reviewed By :Krupa Patel 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023

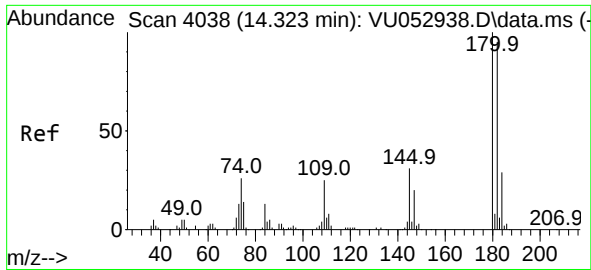


#70
1,2,4-trichlorobenzene
Concen: 2.088 ug/L
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU052948.D
Acq: 03 Feb 2023 16:31



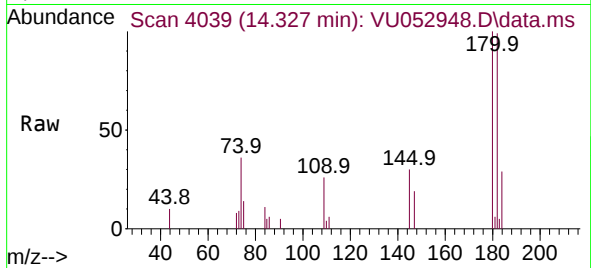
Tgt Ion:180 Resp: 4355
Ion Ratio Lower Upper
180 100
182 106.4 78.2 117.2
145 34.6 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 1.947 ug/L
 RT: 14.327 min Scan# 4038
 Delta R.T. 0.003 min
 Lab File: VU052948.D
 Acq: 03 Feb 2023 16:31

Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT1-2023-01



Tgt Ion:180 Resp: 4292
 Ion Ratio Lower Upper
 180 100
 182 92.8 77.5 116.3
 145 28.3 24.2 36.4

Manual Integrations
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Reviewed By :Krupa Patel 02/06/2023
 Supervised By :Mahesh Dadoda 02/06/2023

