

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021423\
 Data File : VU053102.D
 Acq On : 14 Feb 2023 18:25
 Operator : JC/MD
 Sample : 01378-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT1-2023-02

Quant Time: Feb 15 01:18:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 15 00:41:46 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/15/2023
 Supervised By :Mahesh Dadoda 02/15/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	250376	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	230576	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	109903	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	102629	44.621	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.240%		
7) Chloroethane-d5	1.913	69	90763	46.626	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.260%		
11) 1,1-Dichloroethene-d2	2.563	63	142178	36.038	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.080%		
21) 2-Butanone-d5	4.627	46	119823	99.681	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.680%		
24) Chloroform-d	5.058	84	188144	46.371	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.740%		
26) 1,2-Dichloroethane-d4	5.695	65	121694	47.165	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.320%		
32) Benzene-d6	5.720	84	389909	47.402	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.800%		
36) 1,2-Dichloropropane-d6	6.685	67	129210	48.084	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.160%		
41) Toluene-d8	7.894	98	356903	46.861	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.720%		
43) trans-1,3-Dichloroprop...	8.174	79	64164	46.883	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.760%		
47) 2-Hexanone-d5	8.627	63	90849	97.871	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.870%		
56) 1,1,2,2-Tetrachloroeth...	10.752	84	165728	46.339	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	92.680%		
66) 1,2-Dichlorobenzene-d4	12.190	152	117111	47.933	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	5188	2.025	ug/L	98
3) Chloromethane	1.518	50	5696	2.281	ug/L	97
5) Vinyl chloride	1.602	62	5713	2.134	ug/L #	59
6) Bromomethane	1.859	94	3484	2.048	ug/L	89
8) Chloroethane	1.933	64	3671	2.253	ug/L	88
9) Trichlorofluoromethane	2.135	101	7701	2.213	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.569	101	4970	2.554	ug/L	90
12) 1,1-Dichloroethene	2.576	96	4795	2.604	ug/L #	1
13) Acetone	2.650	43	4406m	5.794	ug/L	
14) Carbon disulfide	2.791	76	12196	2.044	ug/L	96
15) Methyl Acetate	2.955	43	3628	2.214	ug/L	96
17) trans-1,2-Dichloroethene	3.351	96	3727	1.993	ug/L	96
18) Methyl tert-butyl Ether	3.357	73	12583	2.002	ug/L #	91
19) 1,1-Dichloroethane	3.865	63	7699	2.098	ug/L	97
20) cis-1,2-Dichloroethene	4.663	96	4391	2.016	ug/L	85
22) 2-Butanone	4.720	43	6238m	5.399	ug/L	
23) Bromochloromethane	4.971	128	2271	2.221	ug/L	83
25) Chloroform	5.077	83	9158	2.449	ug/L	92
27) 1,2-Dichloroethane	5.791	62	6243	2.151	ug/L #	91

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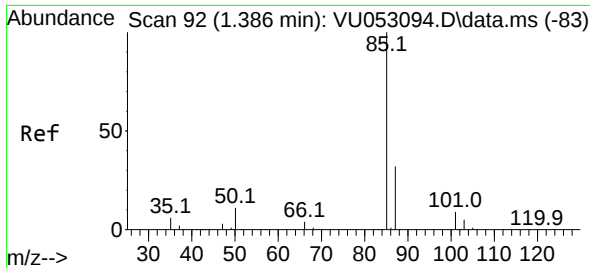
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021423WMA.M
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Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.380	56	7157	2.101	ug/L #	90
30) 1,1,1-Trichloroethane	5.315	97	6685	2.075	ug/L	99
31) Carbon tetrachloride	5.521	117	5525	2.018	ug/L	98
33) Benzene	5.769	78	17870	2.203	ug/L	100
34) Trichloroethene	6.537	95	4200	1.996	ug/L	94
35) Methylcyclohexane	6.759	83	7832	2.149	ug/L	97
37) 1,2-Dichloropropane	6.788	63	4779	2.137	ug/L #	90
38) Bromodichloromethane	7.103	83	5955	2.117	ug/L #	97
39) cis-1,3-Dichloropropene	7.605	75	7760	2.113	ug/L	99
40) 4-Methyl-2-pentanone	7.788	43	9918	4.164	ug/L	98
42) Toluene	7.968	91	17834	2.067	ug/L	98
44) trans-1,3-Dichloropropene	8.209	75	7134m	2.097	ug/L	
45) 1,1,2-Trichloroethane	8.396	97	4161	2.051	ug/L	92
46) Tetrachloroethene	8.550	164	3001	2.153	ug/L	88
48) 2-Hexanone	8.682	43	11311m	6.018	ug/L	
49) Dibromochloromethane	8.807	129	4397	2.099	ug/L	93
50) 1,2-Dibromoethane	8.923	107	4529	2.102	ug/L #	92
51) Chlorobenzene	9.444	112	11136	2.084	ug/L	98
52) Ethylbenzene	9.566	91	19474	2.024	ug/L	99
53) m,p-Xylene	9.691	106	7220	1.996	ug/L	99
54) o-xylene	10.096	106	7157	1.995	ug/L	92
55) Styrene	10.112	104	11531	1.938	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	7385	2.245	ug/L #	94
59) Bromoform	10.286	173	2639	1.951	ug/L #	91
60) 1,2,3-Trichloropropane	10.817	75	4981	2.171	ug/L	95
61) Isopropylbenzene	10.482	105	18633	2.124	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	15310	2.061	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	14901	2.072	ug/L	96
64) 1,3-Dichlorobenzene	11.743	146	7356	2.047	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	7674	2.105	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	7918	2.180	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.993	75	1307	1.933	ug/L	96
69) 1,3,5-Trichlorobenzene	13.218	180	4399	1.806	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	3820	1.657	ug/L #	83
72) 1,2,3-Trichlorobenzene	14.328	180	4224	1.825	ug/L	97

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



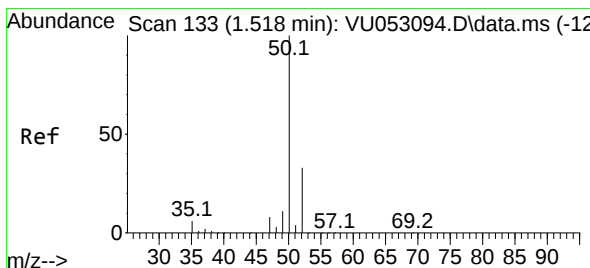
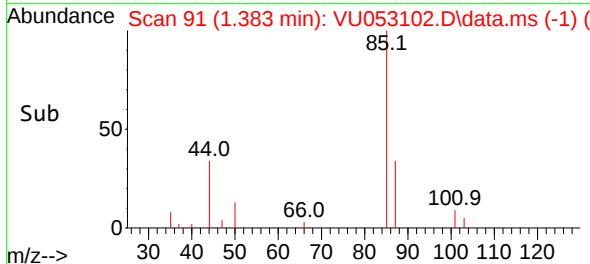
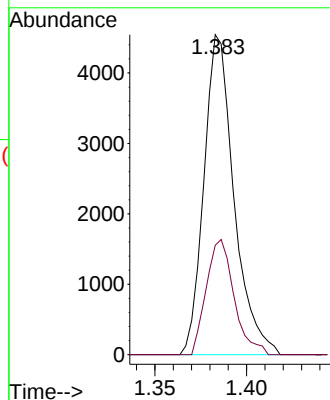
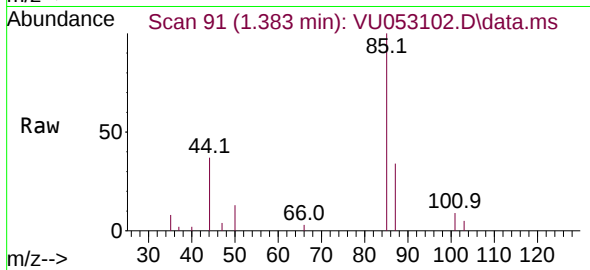
#2
Dichlorodifluoromethane
Concen: 2.025 ug/L
RT: 1.383 min Scan# 91
Delta R.T. -0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02

Tgt Ion: 85 Resp: 518
Ion Ratio Lower Upper
85 100
87 33.2 25.6 38.4

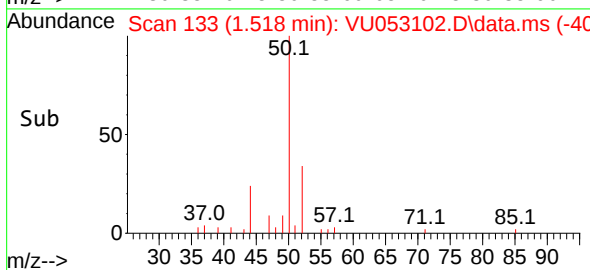
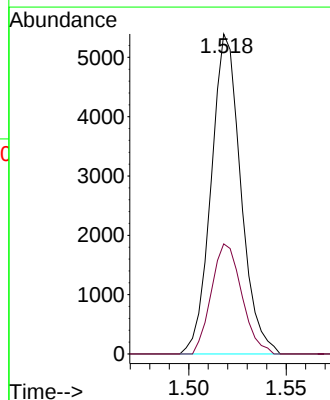
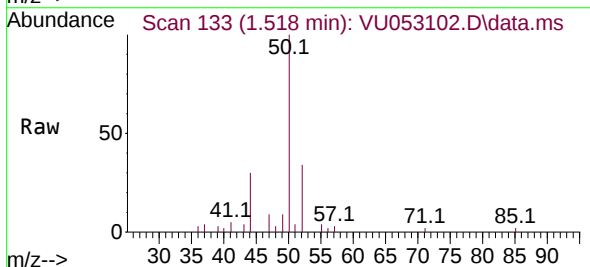
Manual Integrations
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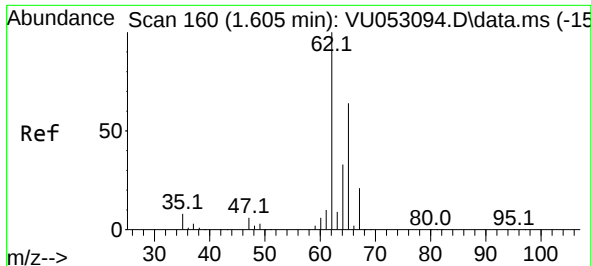
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#3
Chloromethane
Concen: 2.281 ug/L
RT: 1.518 min Scan# 133
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Tgt Ion: 50 Resp: 5696
Ion Ratio Lower Upper
50 100
52 34.4 22.8 42.4





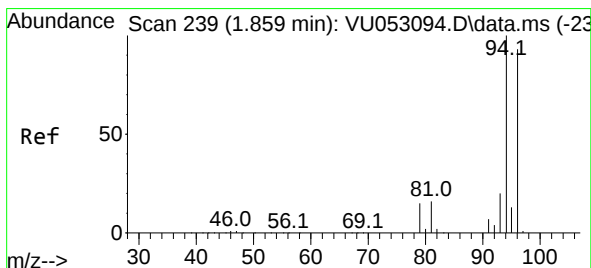
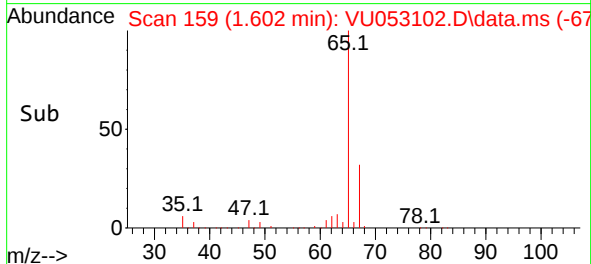
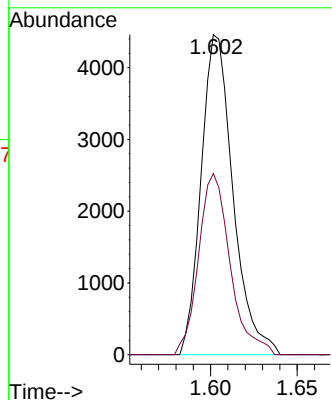
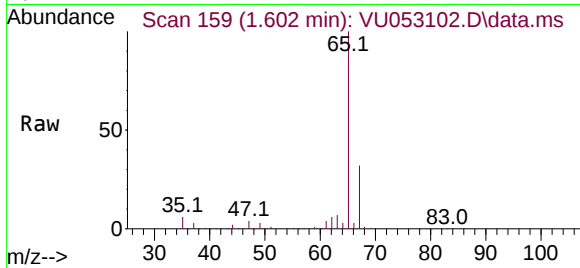
#5
 Vinyl chloride
 Concen: 2.134 ug/L
 RT: 1.602 min Scan# 159
 Delta R.T. -0.003 min
 Lab File: VU053102.D
 Acq: 14 Feb 2023 18:25

Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT1-2023-02

Tgt Ion: 62 Resp: 571
 Ion Ratio Lower Upper
 62 100
 64 56.6 23.4 43.6

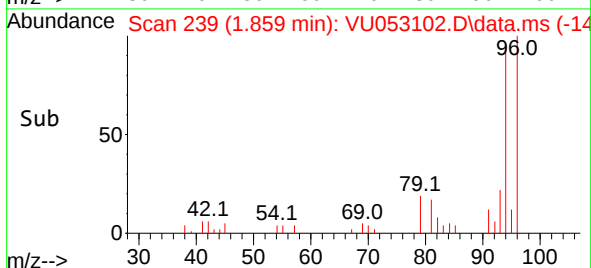
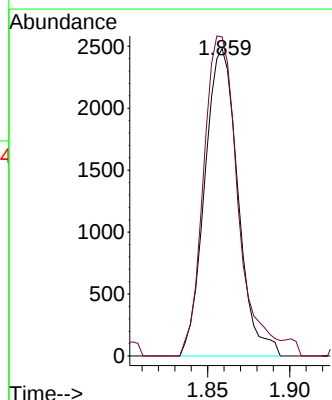
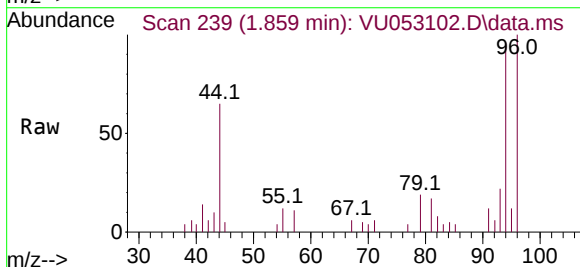
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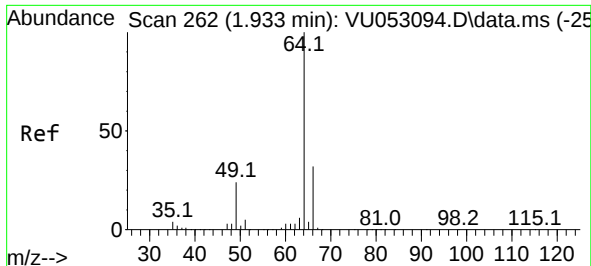
Reviewed By :Krupa Patel 02/15/2023
 Supervised By :Mahesh Dadoda 02/15/2023



#6
 Bromomethane
 Concen: 2.048 ug/L
 RT: 1.859 min Scan# 239
 Delta R.T. 0.000 min
 Lab File: VU053102.D
 Acq: 14 Feb 2023 18:25

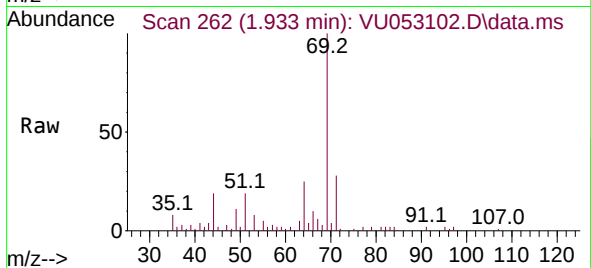
Tgt Ion: 94 Resp: 3484
 Ion Ratio Lower Upper
 94 100
 96 103.9 65.0 120.8





#8
Chloroethane
Concen: 2.253 ug/L
RT: 1.933 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

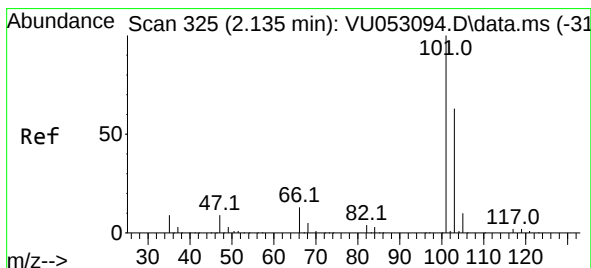
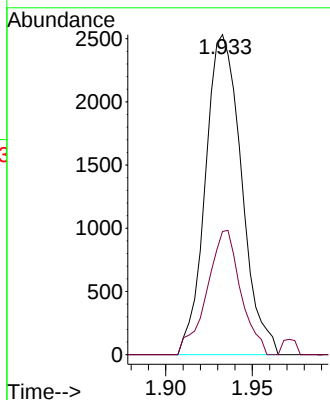
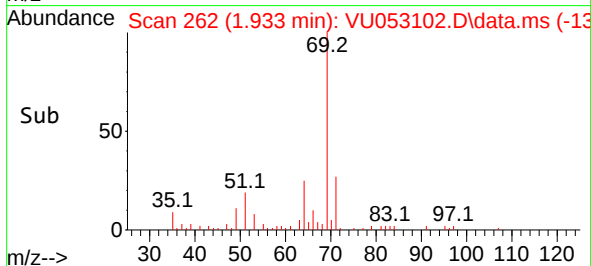
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02



Tgt Ion: 64 Resp: 367
Ion Ratio Lower Upper
64 100
66 38.5 22.4 41.6

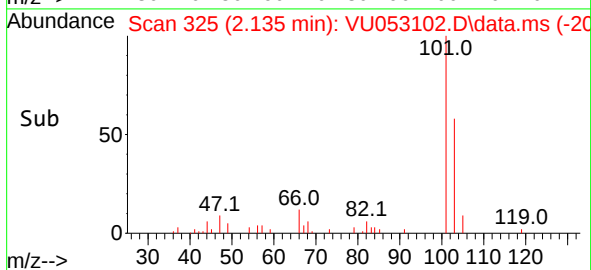
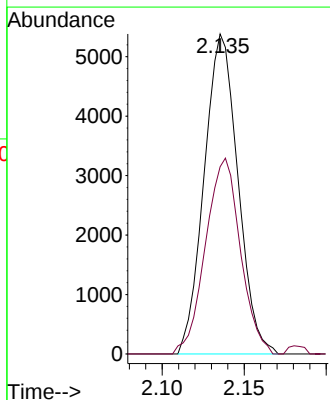
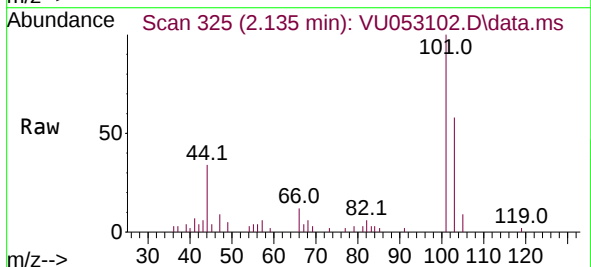
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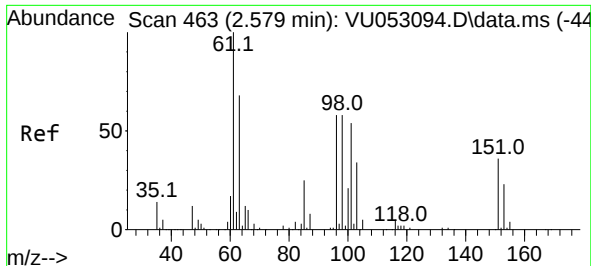
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#9
Trichlorofluoromethane
Concen: 2.213 ug/L
RT: 2.135 min Scan# 325
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Tgt Ion:101 Resp: 7701
Ion Ratio Lower Upper
101 100
103 63.1 51.4 77.0





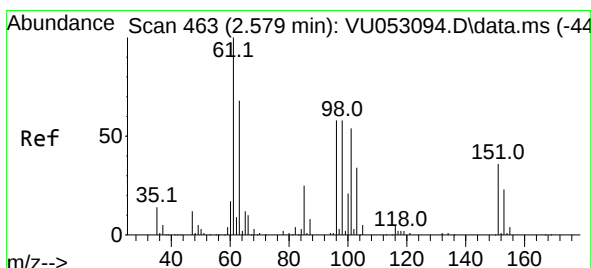
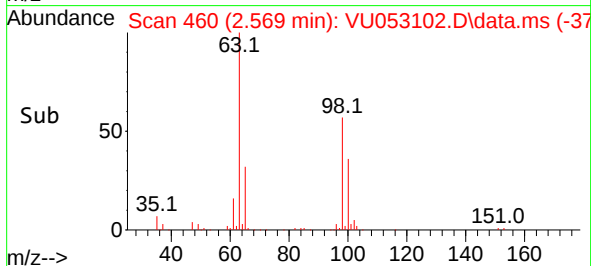
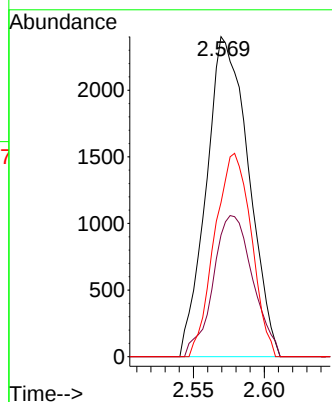
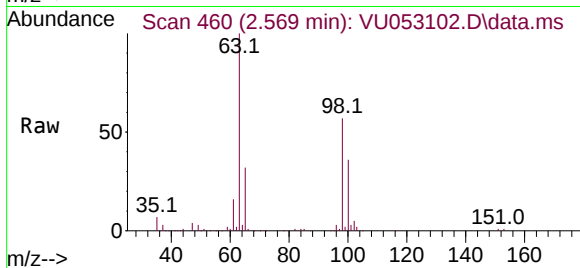
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.554 ug/L
RT: 2.569 min Scan# 410
Delta R.T. -0.009 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02

Tgt Ion:101 Resp: 4970
Ion Ratio Lower Upper
101 100
85 41.6 36.6 54.8
151 55.4 52.6 79.0

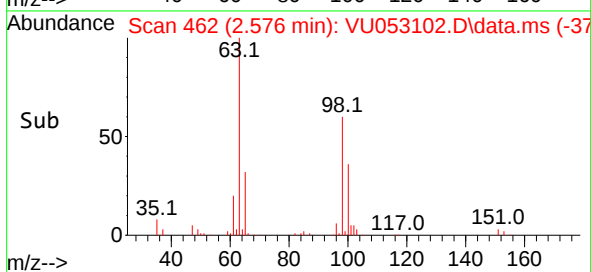
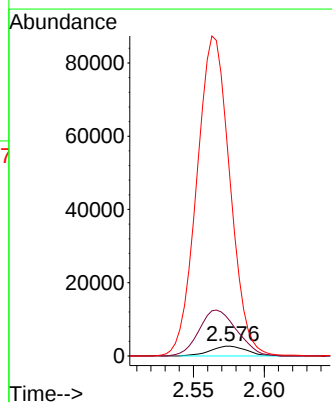
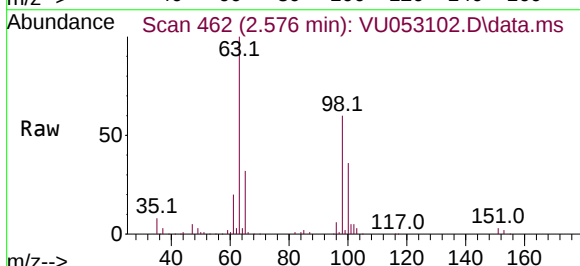
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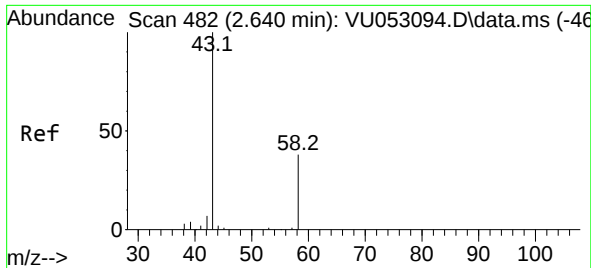
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#12
1,1-Dichloroethene
Concen: 2.604 ug/L
RT: 2.576 min Scan# 462
Delta R.T. -0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Tgt Ion: 96 Resp: 4795
Ion Ratio Lower Upper
96 100
61 354.2 121.9 226.3#
63 1785.7 84.2 156.4#





#13

Acetone

Concen: 5.794 ug/L m

RT: 2.650 min Scan# 482

Delta R.T. 0.010 min

Lab File: VU053102.D

Acq: 14 Feb 2023 18:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2023-02

Tgt Ion: 43 Resp: 4400

Ion Ratio Lower Upper

43 100

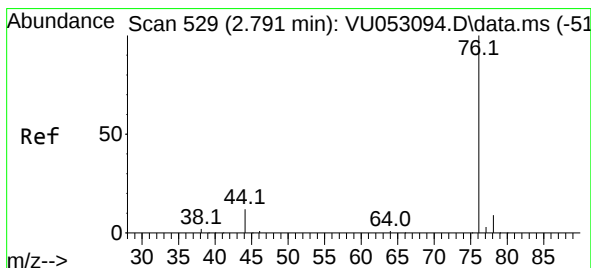
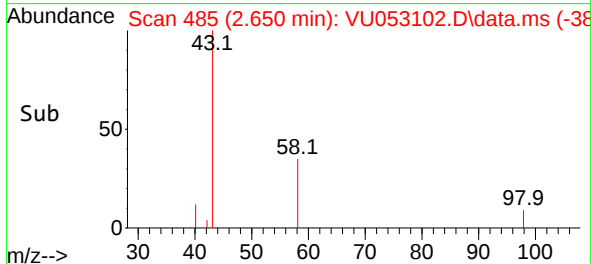
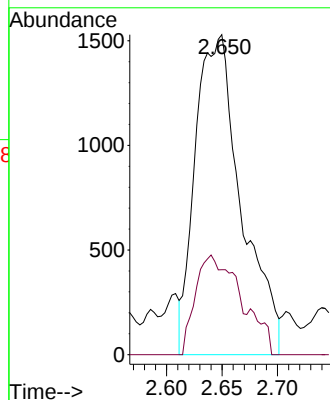
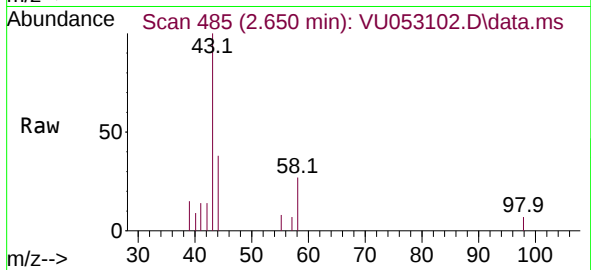
58 15.3 0.0 74.6

Manual Integrations

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Supervised By :Mahesh Dadoda 02/15/2023



#14

Carbon disulfide

Concen: 2.044 ug/L

RT: 2.791 min Scan# 529

Delta R.T. 0.000 min

Lab File: VU053102.D

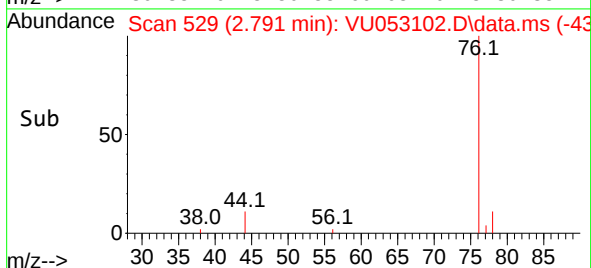
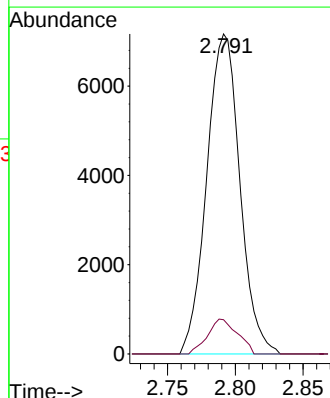
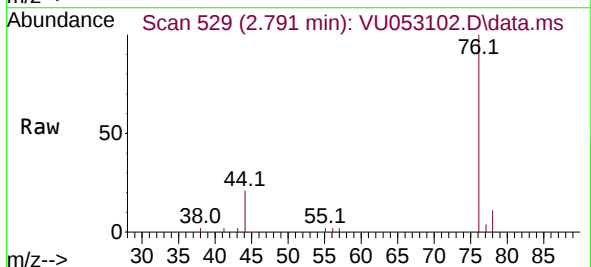
Acq: 14 Feb 2023 18:25

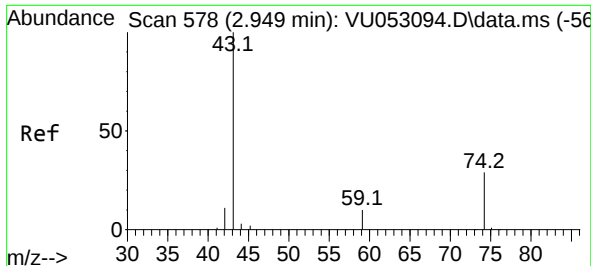
Tgt Ion: 76 Resp: 12196

Ion Ratio Lower Upper

76 100

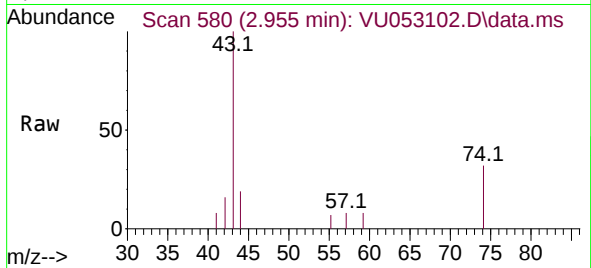
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#15
Methyl Acetate
Concen: 2.214 ug/L
RT: 2.955 min Scan# 580
Delta R.T. 0.007 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

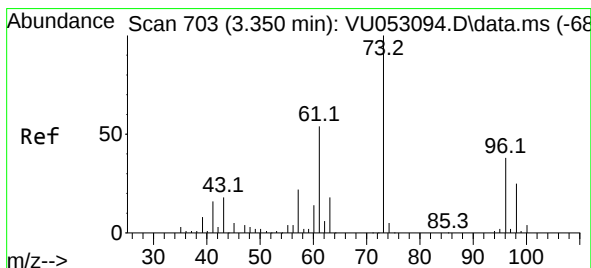
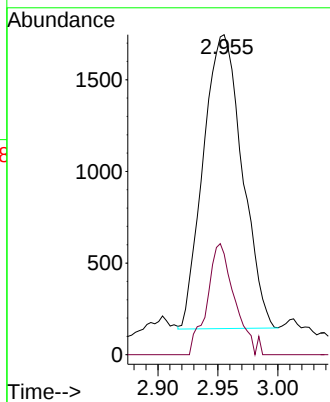
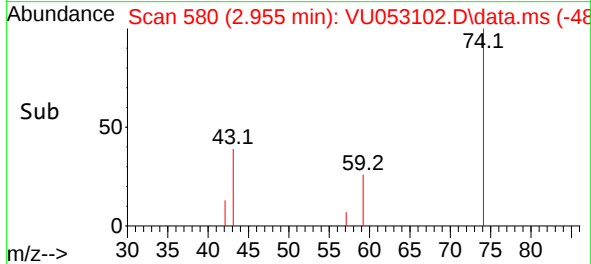
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02



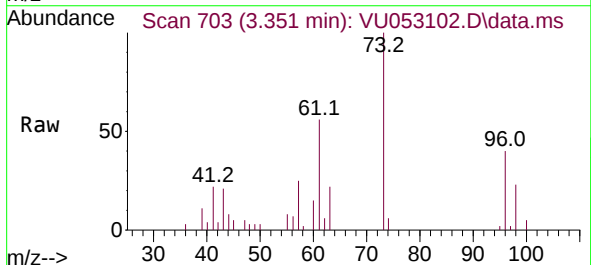
Tgt Ion: 43 Resp: 3628
Ion Ratio Lower Upper
43 100
74 26.0 22.7 34.1

Manual Integrations
APPROVED

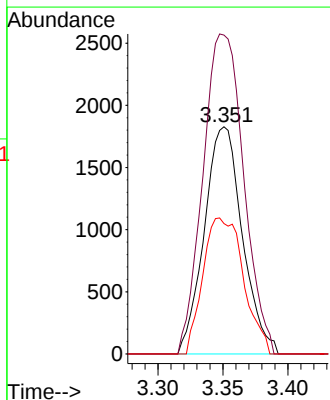
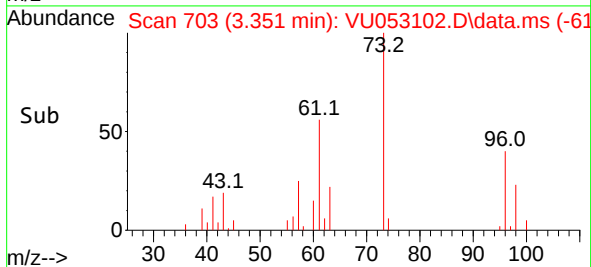
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023

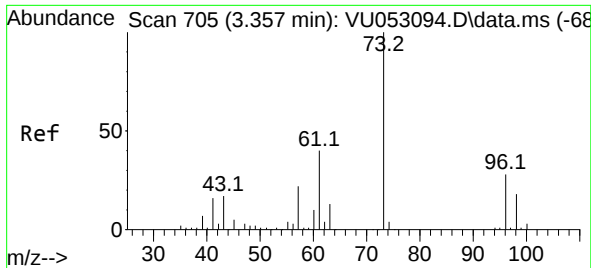


#17
trans-1,2-Dichloroethene
Concen: 1.993 ug/L
RT: 3.351 min Scan# 703
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25



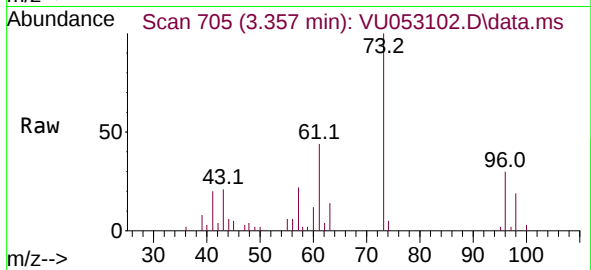
Tgt Ion: 96 Resp: 3727
Ion Ratio Lower Upper
96 100
61 140.3 99.2 184.2
98 57.4 45.1 83.7





#18
Methyl tert-butyl Ether
Concen: 2.002 ug/L
RT: 3.357 min Scan# 705
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

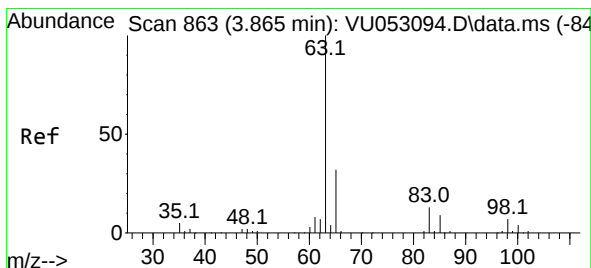
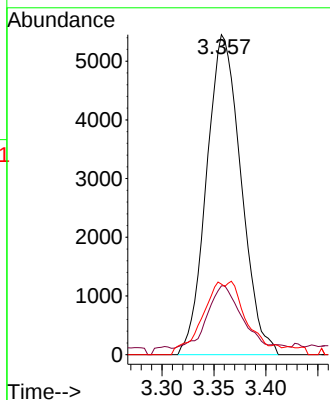
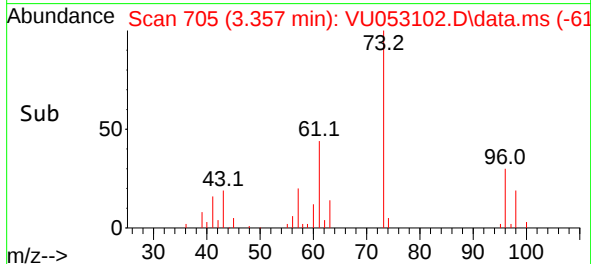
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02



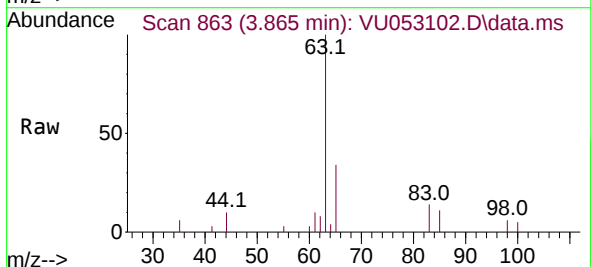
Tgt Ion: 73 Resp: 1258
Ion Ratio Lower Upper
73 100
43 18.9 14.1 21.1
57 15.2 17.4 26.0

Manual Integrations
APPROVED

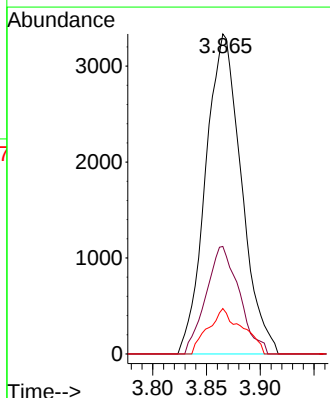
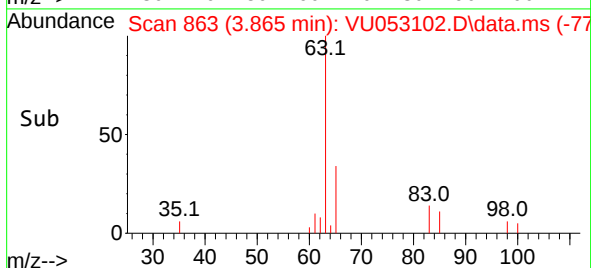
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023

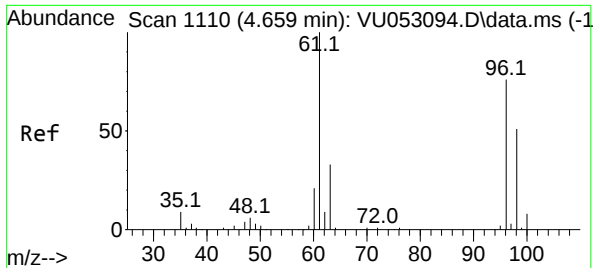


#19
1,1-Dichloroethane
Concen: 2.098 ug/L
RT: 3.865 min Scan# 863
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25



Tgt Ion: 63 Resp: 7699
Ion Ratio Lower Upper
63 100
65 33.6 22.4 41.6
83 14.2 9.4 17.4





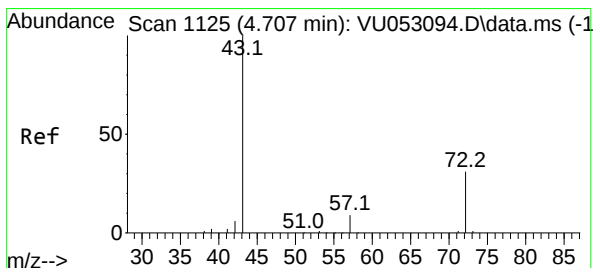
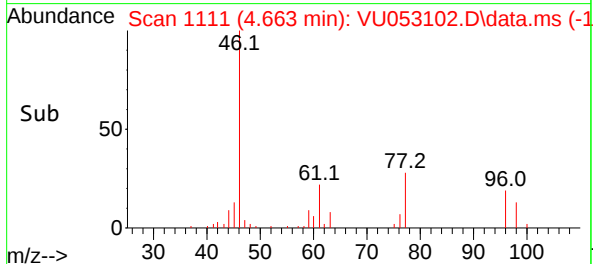
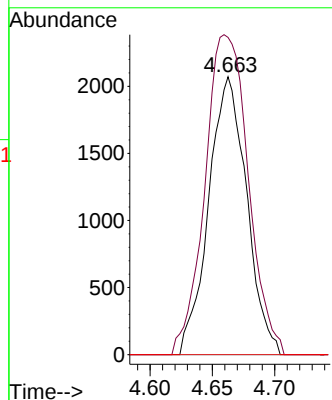
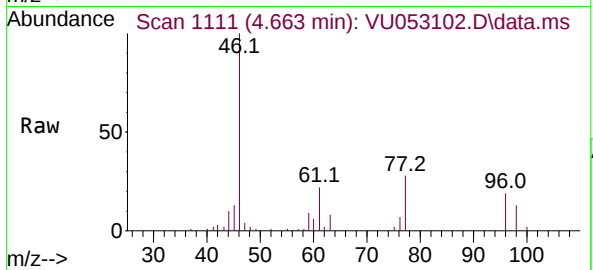
#20
cis-1,2-Dichloroethene
Concen: 2.016 ug/L
RT: 4.663 min Scan# 1110
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02

Tgt Ion: 96 Resp: 439
Ion Ratio Lower Upper
96 100
61 114.2 91.9 170.7
68 0.0 0.0 0.0

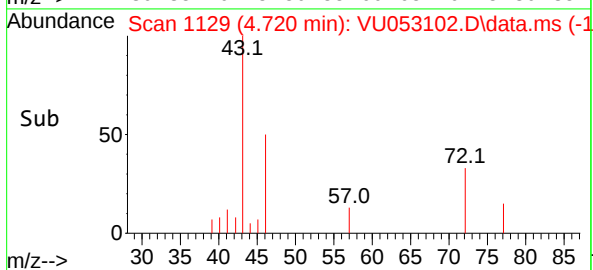
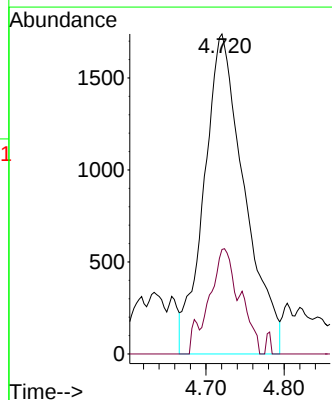
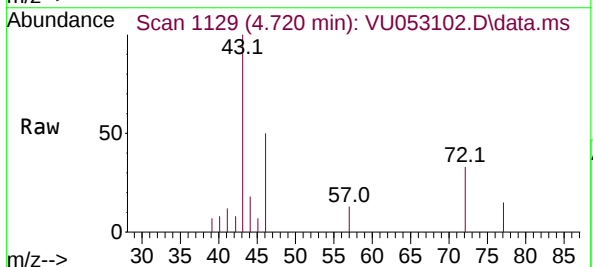
Manual Integrations
APPROVED

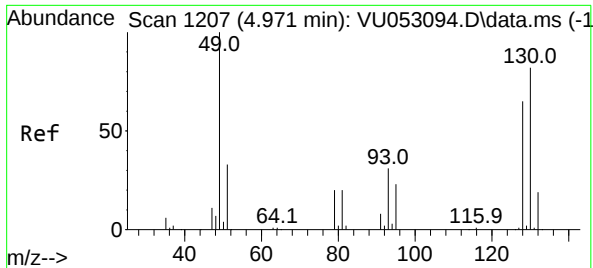
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#22
2-Butanone
Concen: 5.399 ug/L m
RT: 4.720 min Scan# 1129
Delta R.T. 0.013 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

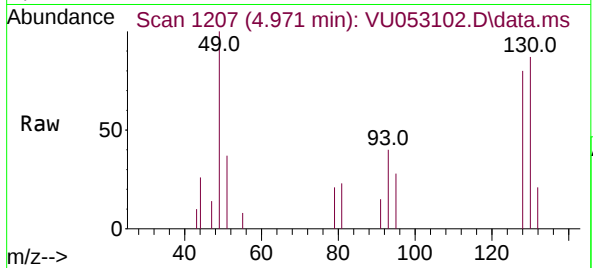
Tgt Ion: 43 Resp: 6238
Ion Ratio Lower Upper
43 100
72 18.1 16.6 49.7





#23
Bromochloromethane
Concen: 2.221 ug/L
RT: 4.971 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

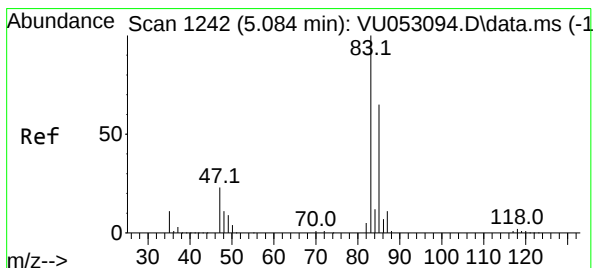
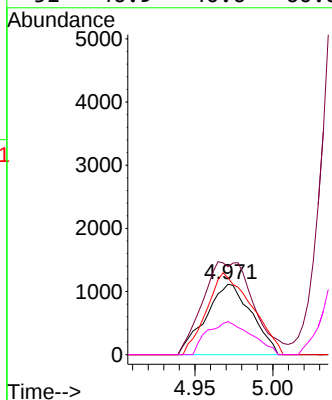
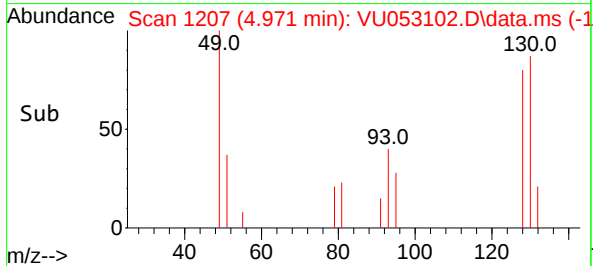
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02



Tgt Ion:128 Resp: 227
Ion Ratio Lower Upper
128 100
49 125.0 107.6 199.8
130 109.3 87.9 163.3
51 46.9 40.6 60.8

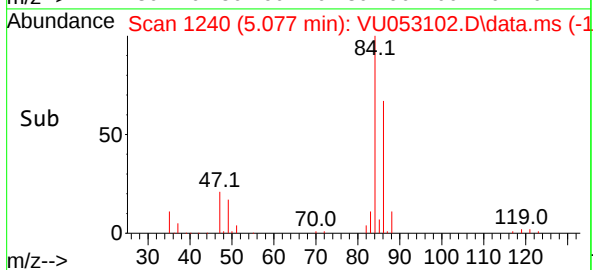
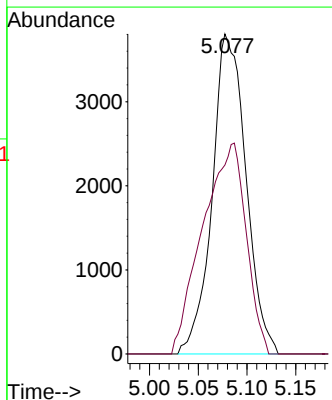
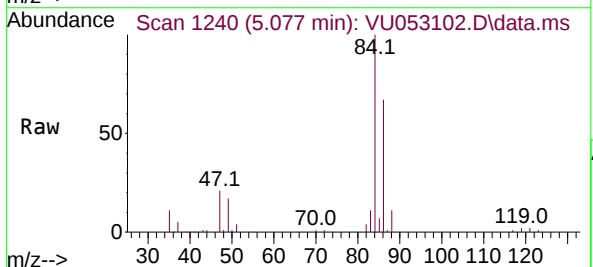
Manual Integrations
APPROVED

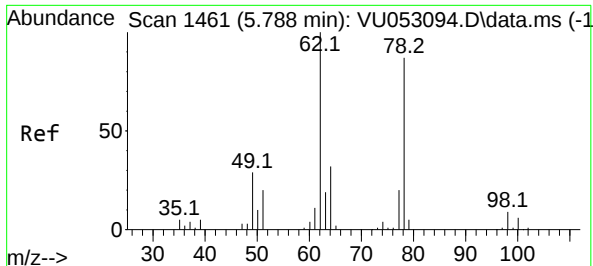
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#25
Chloroform
Concen: 2.449 ug/L
RT: 5.077 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Tgt Ion: 83 Resp: 9158
Ion Ratio Lower Upper
83 100
85 59.0 45.8 85.0





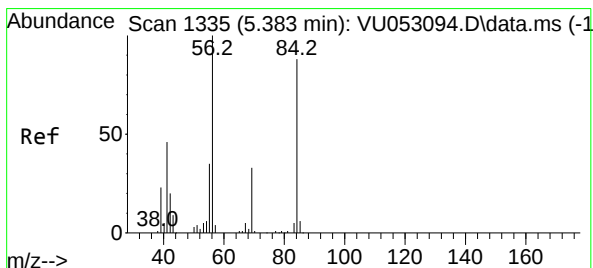
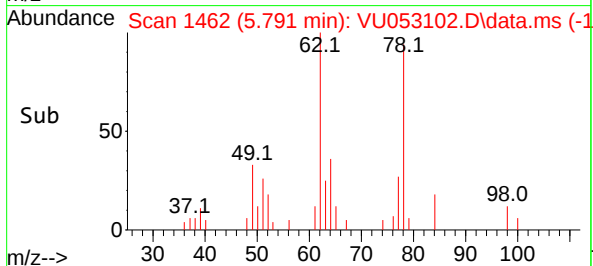
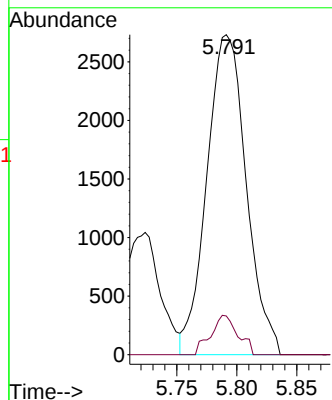
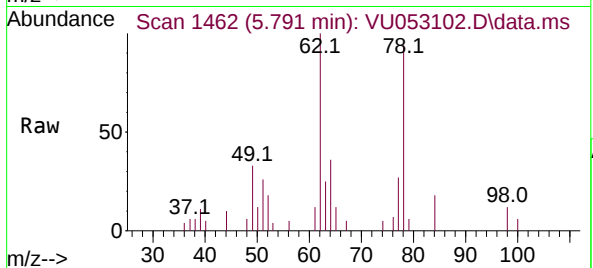
#27
1,2-Dichloroethane
Concen: 2.151 ug/L
RT: 5.791 min Scan# 1462
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02

Tgt Ion: 62 Resp: 624
Ion Ratio Lower Upper
62 100
98 12.1 7.2 10.8

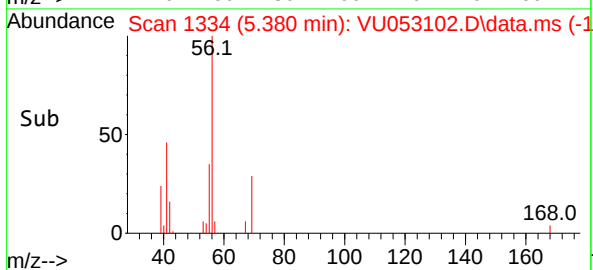
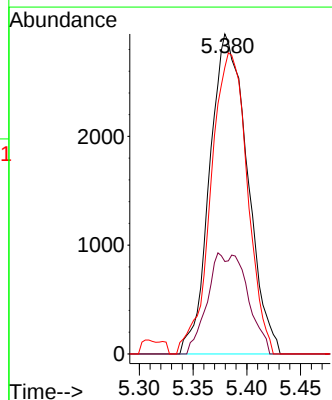
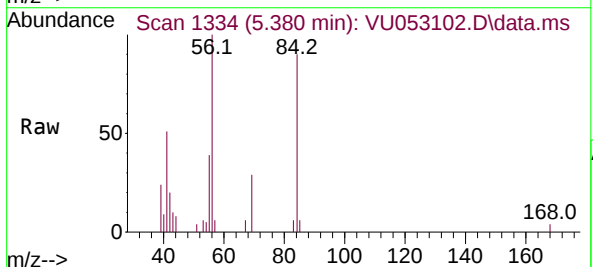
Manual Integrations
APPROVED

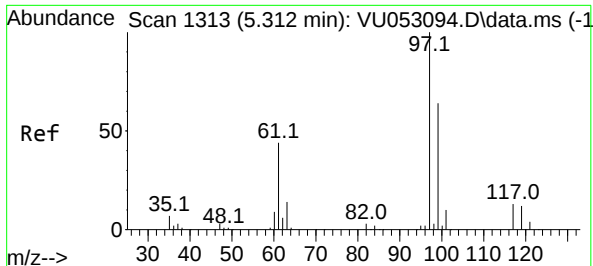
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#29
Cyclohexane
Concen: 2.101 ug/L
RT: 5.380 min Scan# 1334
Delta R.T. -0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Tgt Ion: 56 Resp: 7157
Ion Ratio Lower Upper
56 100
69 15.6 25.9 38.9#
84 90.7 70.7 106.1





#30

1,1,1-Trichloroethane

Concen: 2.075 ug/L

RT: 5.315 min Scan# 1313

Delta R.T. 0.003 min

Lab File: VU053102.D

Acq: 14 Feb 2023 18:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2023-02

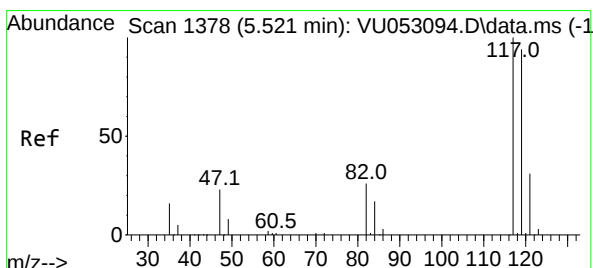
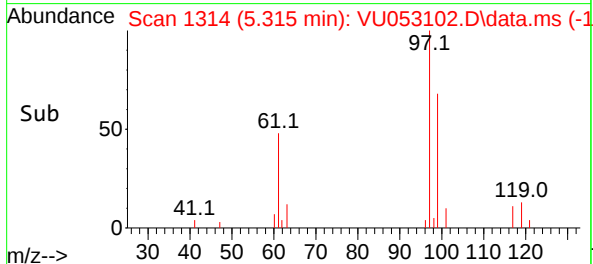
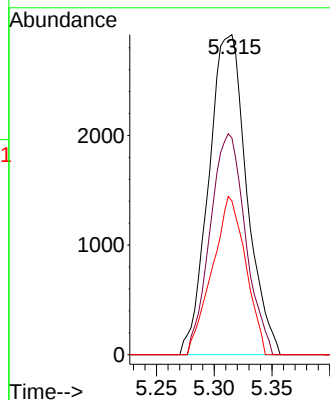
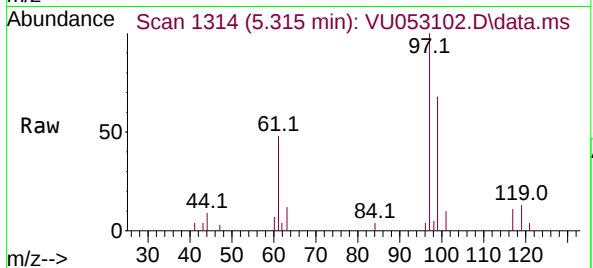
Tgt Ion: 97	Resp: 668
Ion Ratio	Lower Upper
97	100
99	64.0 51.3 76.9
61	43.4 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/15/2023

Supervised By :Mahesh Dadoda 02/15/2023



#31

Carbon tetrachloride

Concen: 2.018 ug/L

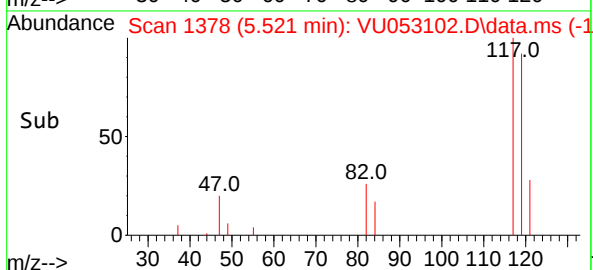
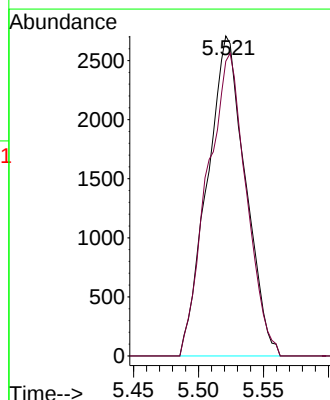
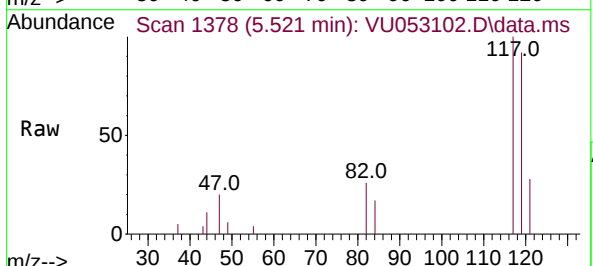
RT: 5.521 min Scan# 1378

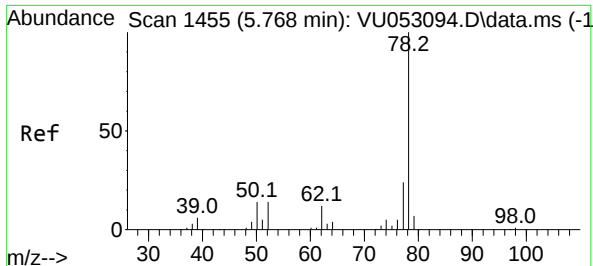
Delta R.T. 0.000 min

Lab File: VU053102.D

Acq: 14 Feb 2023 18:25

Tgt Ion:117	Resp: 5525
Ion Ratio	Lower Upper
117	100
119	96.5 75.9 113.9





#33

Benzene

Concen: 2.203 ug/L

RT: 5.769 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VU053102.D

Acq: 14 Feb 2023 18:25

Instrument :

MSVOA_U

ClientSampleId :

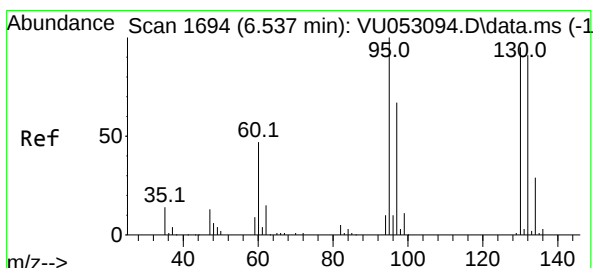
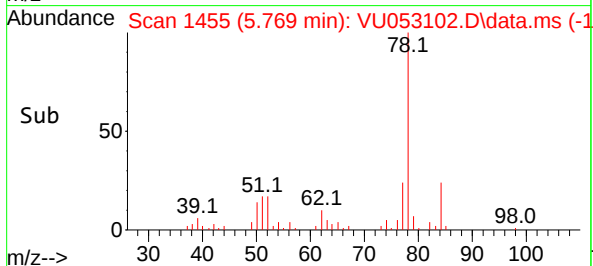
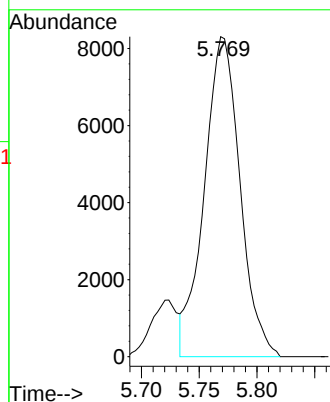
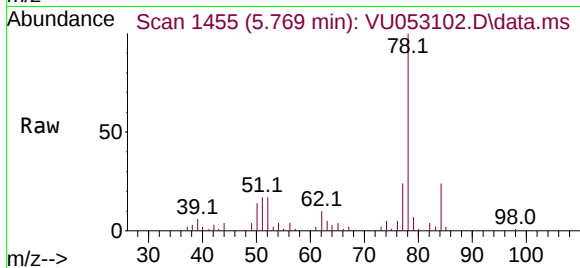
MDL-WATER-QT1-2023-02

Tgt Ion: 78 Resp: 17870

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/15/2023

Supervised By :Mahesh Dadoda 02/15/2023



#34

Trichloroethene

Concen: 1.996 ug/L

RT: 6.537 min Scan# 1694

Delta R.T. 0.000 min

Lab File: VU053102.D

Acq: 14 Feb 2023 18:25

Tgt Ion: 95 Resp: 4200

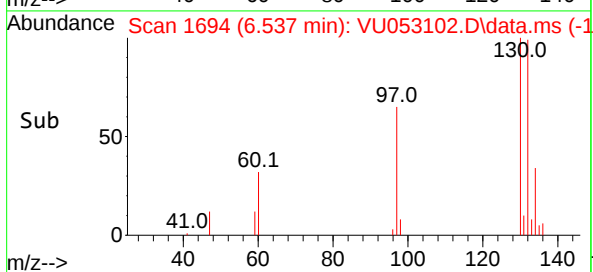
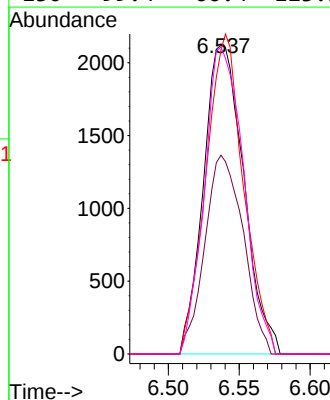
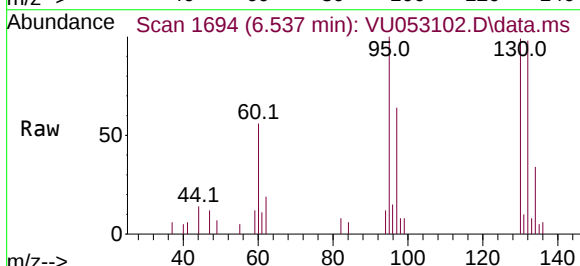
Ion Ratio Lower Upper

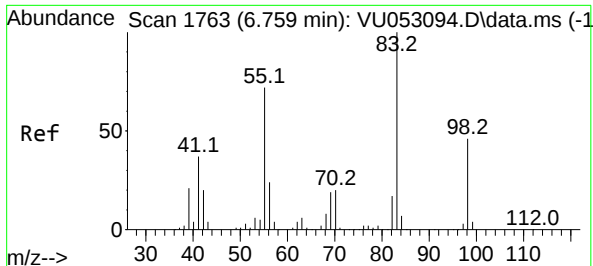
95 100

97 64.4 47.1 87.5

132 98.4 63.6 118.2

130 99.4 66.4 123.2





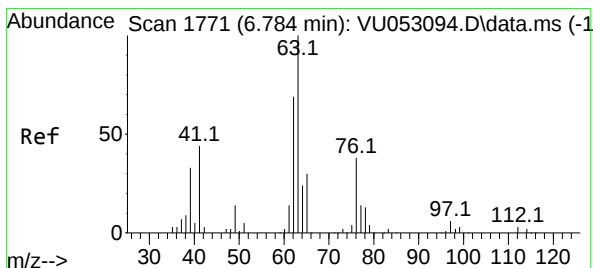
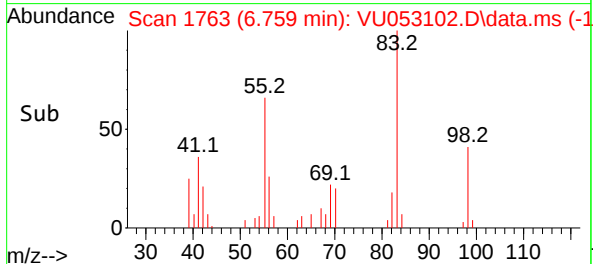
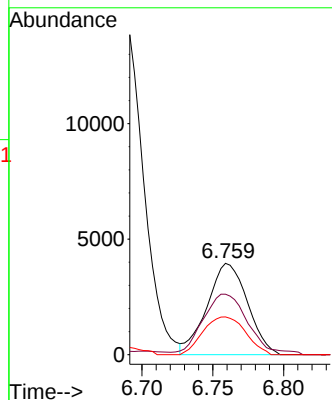
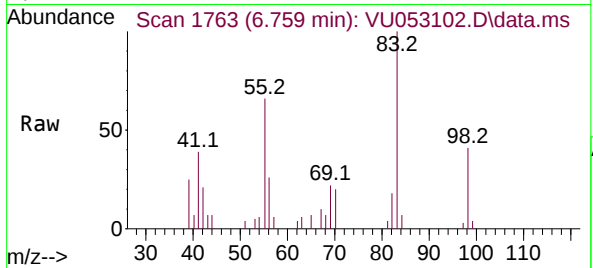
#35
Methylcyclohexane
Concen: 2.149 ug/L
RT: 6.759 min Scan# 1763
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02

Tgt Ion: 83 Resp: 783
Ion Ratio Lower Upper
83 100
55 73.9 57.4 86.2
98 43.5 36.1 54.1

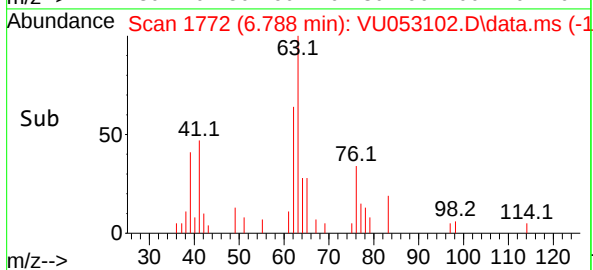
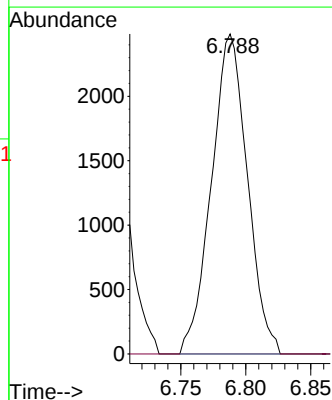
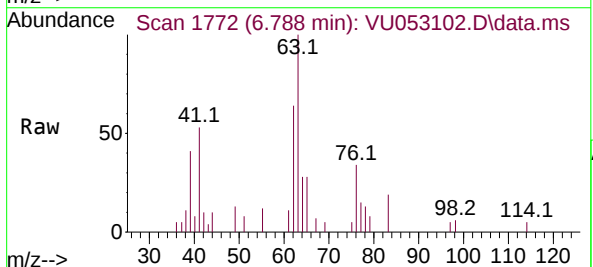
Manual Integrations
APPROVED

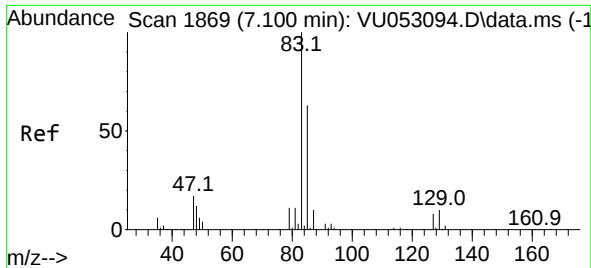
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#37
1,2-Dichloropropane
Concen: 2.137 ug/L
RT: 6.788 min Scan# 1772
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Tgt Ion: 63 Resp: 4779
Ion Ratio Lower Upper
63 100
112 0.0 2.7 4.1#





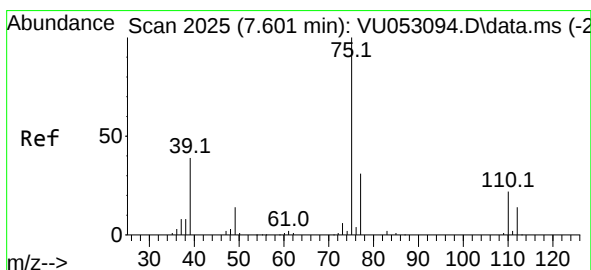
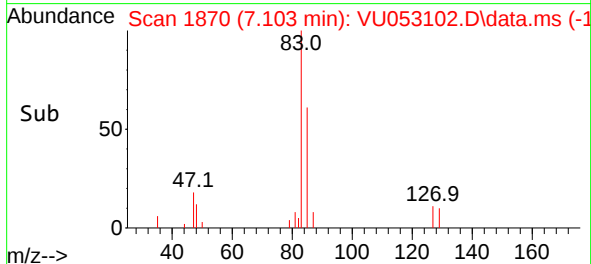
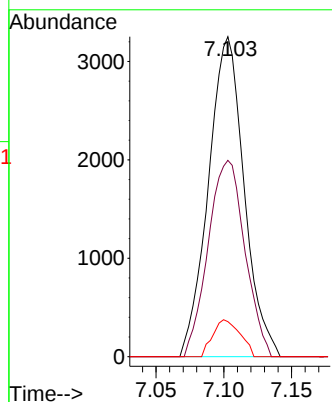
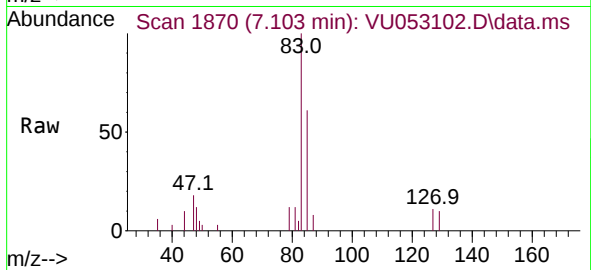
#38
Bromodichloromethane
Concen: 2.117 ug/L
RT: 7.103 min Scan# 1869
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02

Tgt Ion: 83 Resp: 595
Ion Ratio Lower Upper
83 100
85 61.3 44.2 82.0
127 10.9 6.2 9.2

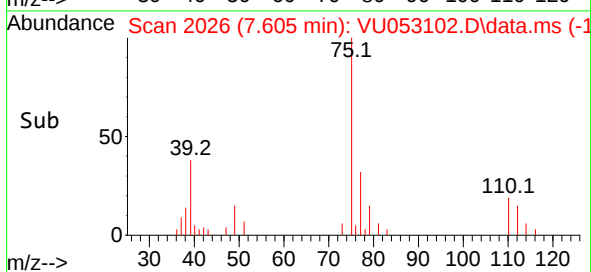
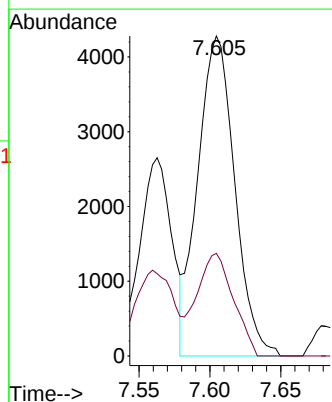
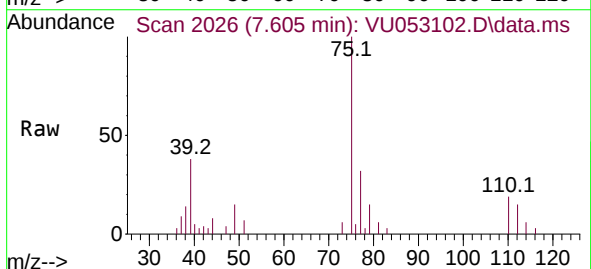
Manual Integrations
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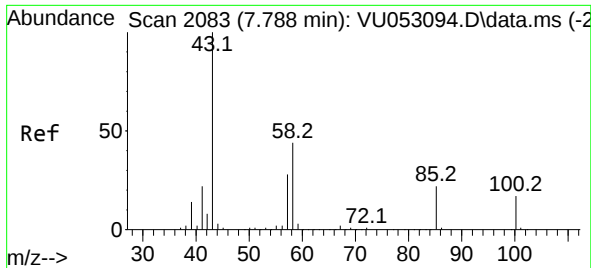
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#39
cis-1,3-Dichloropropene
Concen: 2.113 ug/L
RT: 7.605 min Scan# 2026
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Tgt Ion: 75 Resp: 7760
Ion Ratio Lower Upper
75 100
77 32.0 22.2 41.2





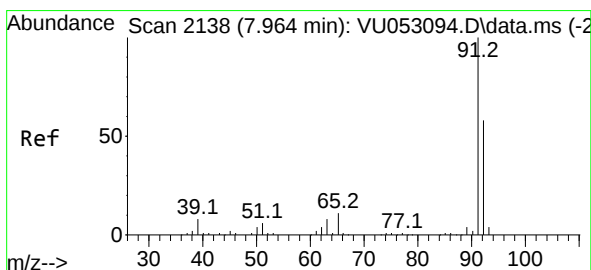
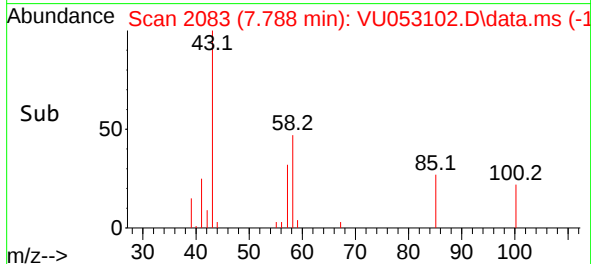
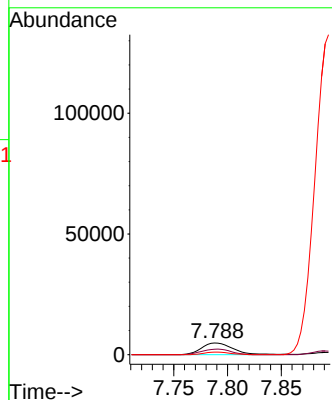
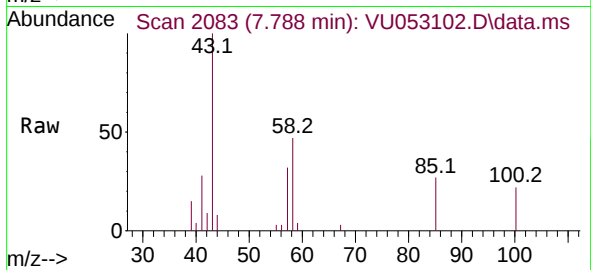
#40
4-Methyl-2-pentanone
Concen: 4.164 ug/L
RT: 7.788 min Scan# 2083
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02

Tgt Ion: 43 Resp: 9918
Ion Ratio Lower Upper
43 100
58 44.0 35.9 53.9
100 17.9 13.7 20.5

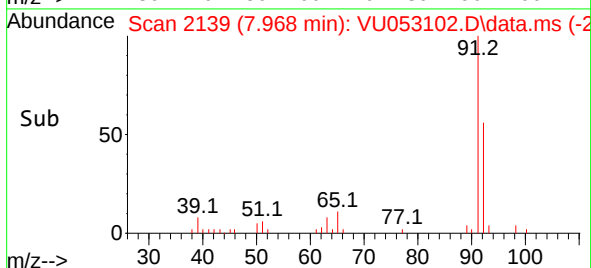
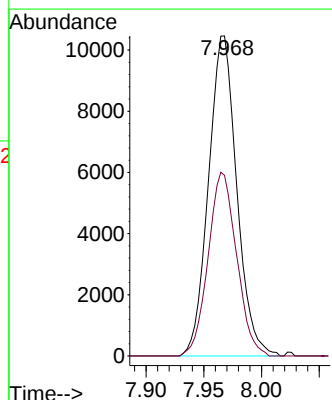
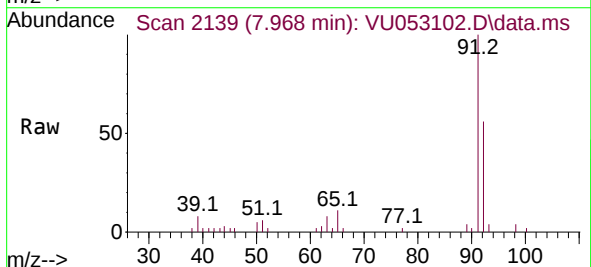
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APPROVED

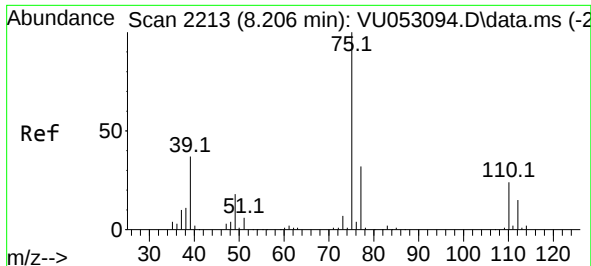
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#42
Toluene
Concen: 2.067 ug/L
RT: 7.968 min Scan# 2139
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

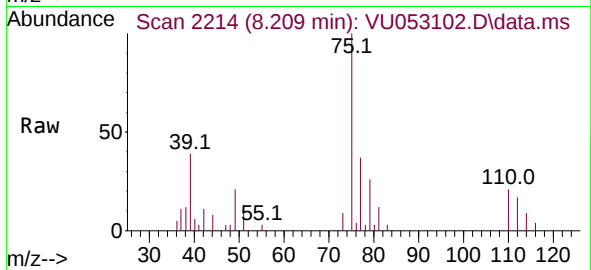
Tgt Ion: 91 Resp: 17834
Ion Ratio Lower Upper
91 100
92 56.5 40.7 75.7





#44
trans-1,3-Dichloropropene
Concen: 2.097 ug/L m
RT: 8.209 min Scan# 2214
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

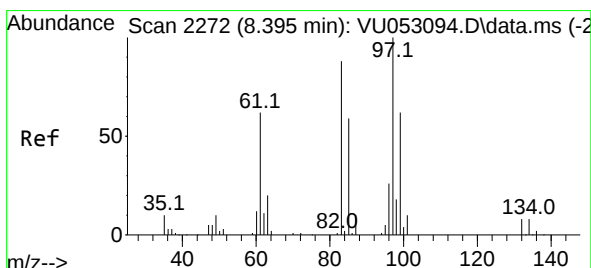
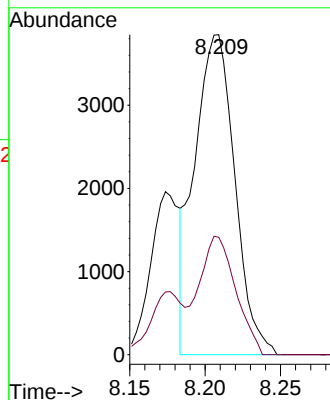
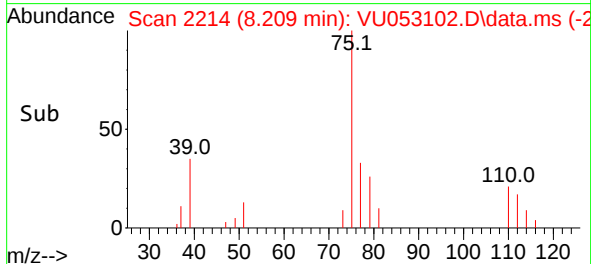
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02



Tgt Ion: 75 Resp: 7134
Ion Ratio Lower Upper
75 100
77 36.7 22.2 41.2

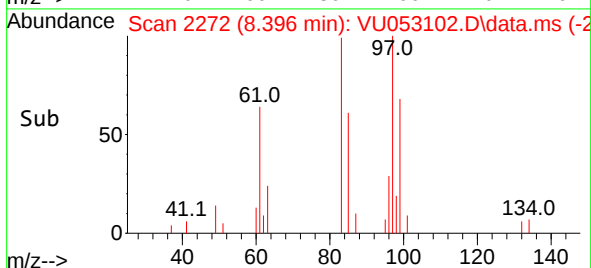
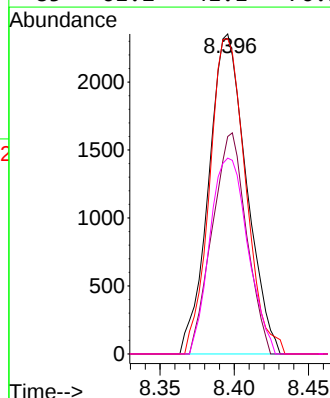
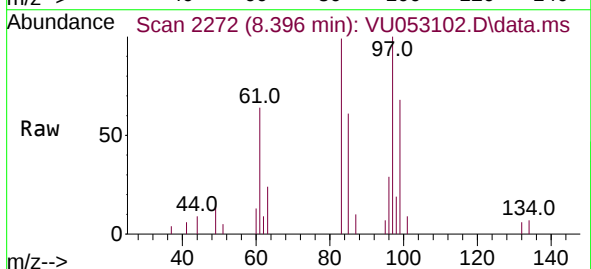
Manual Integrations
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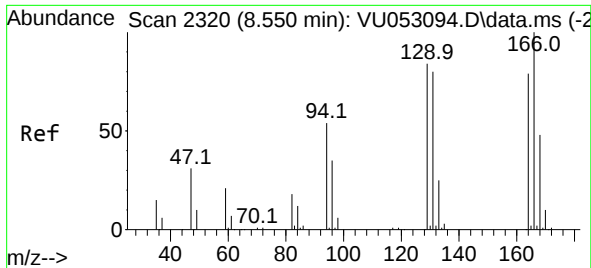
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#45
1,1,2-Trichloroethane
Concen: 2.051 ug/L
RT: 8.396 min Scan# 2272
Delta R.T. 0.001 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

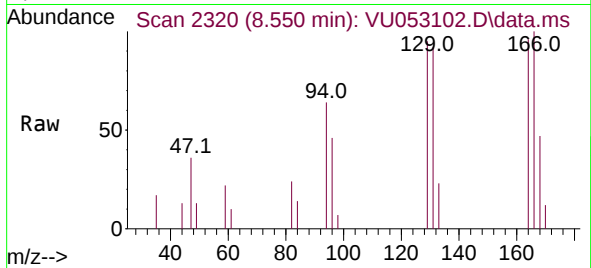
Tgt Ion: 97 Resp: 4161
Ion Ratio Lower Upper
97 100
99 68.0 43.7 81.1
83 98.6 61.7 114.5
85 61.2 41.1 76.3





#46
Tetrachloroethene
Concen: 2.153 ug/L
RT: 8.550 min Scan# 2320
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

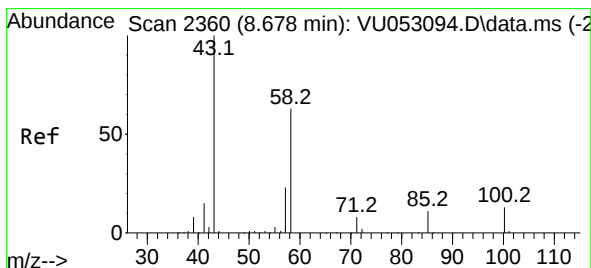
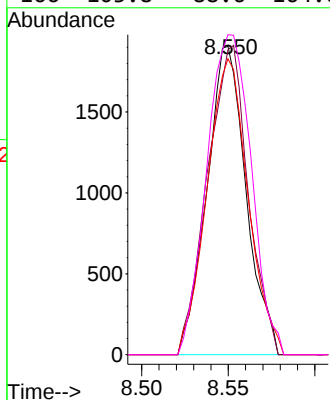
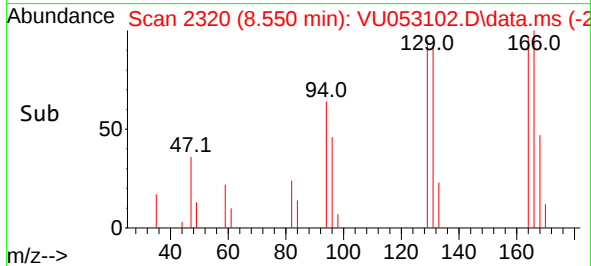
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02



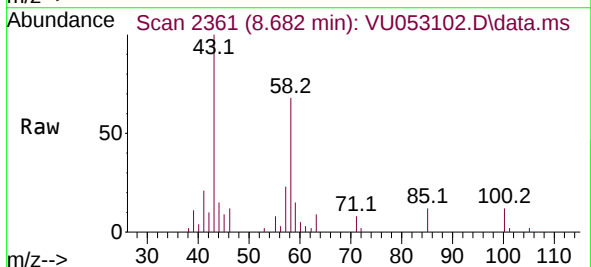
Tgt Ion:164 Resp: 300
Ion Ratio Lower Upper
164 100
129 98.9 74.8 139.0
131 96.0 70.7 131.3
166 103.8 88.6 164.6

Manual Integrations
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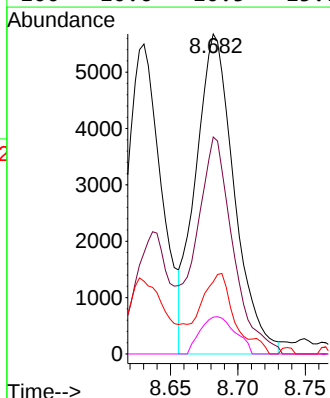
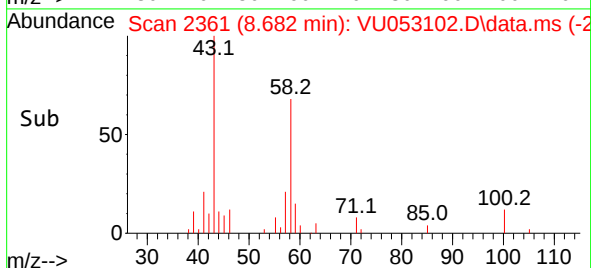
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023

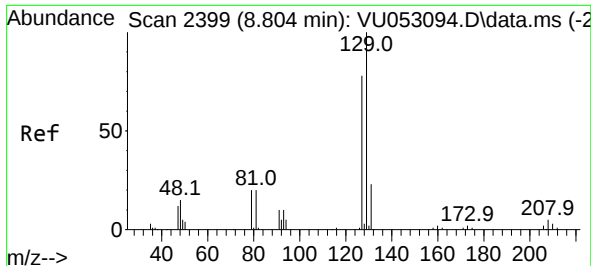


#48
2-Hexanone
Concen: 6.018 ug/L m
RT: 8.682 min Scan# 2361
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25



Tgt Ion: 43 Resp: 11311
Ion Ratio Lower Upper
43 100
58 62.0 50.0 75.0
57 15.5 17.7 26.5#
100 10.6 10.5 15.7





#49

Dibromochloromethane

Concen: 2.099 ug/L

RT: 8.807 min Scan# 2400

Delta R.T. 0.003 min

Lab File: VU053102.D

Acq: 14 Feb 2023 18:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2023-02

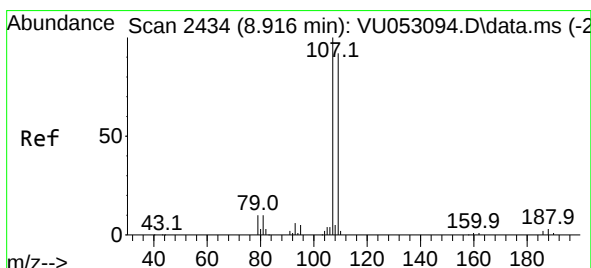
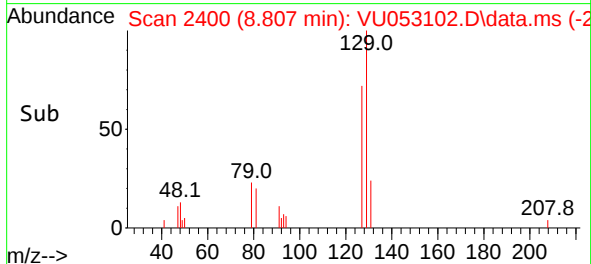
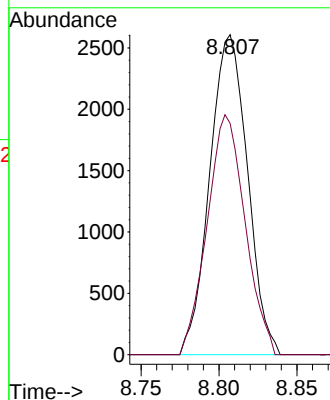
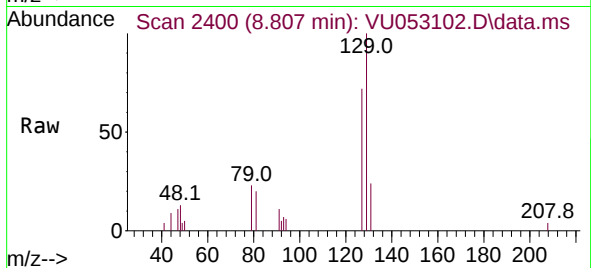
Tgt Ion:129 Resp: 439
 Ion Ratio Lower Upper
 129 100
 127 72.3 54.9 101.9

Manual Integrations

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Reviewed By :Krupa Patel 02/15/2023

Supervised By :Mahesh Dadoda 02/15/2023



#50

1,2-Dibromoethane

Concen: 2.102 ug/L

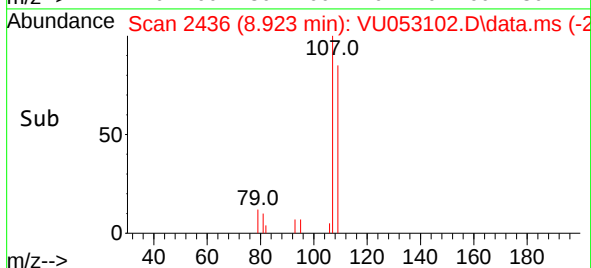
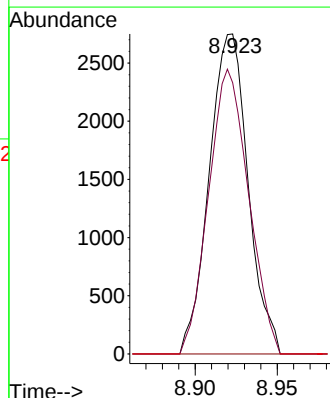
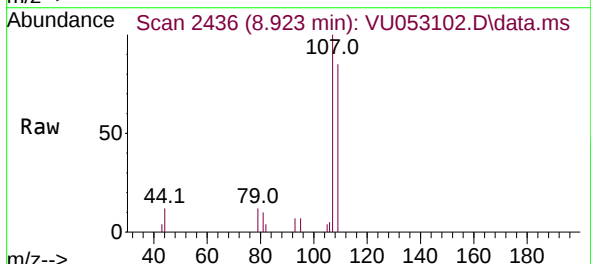
RT: 8.923 min Scan# 2436

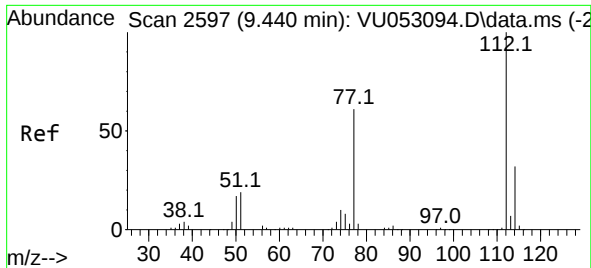
Delta R.T. 0.007 min

Lab File: VU053102.D

Acq: 14 Feb 2023 18:25

Tgt Ion:107 Resp: 4529
 Ion Ratio Lower Upper
 107 100
 109 84.8 64.5 119.9
 188 0.0 2.2 3.4





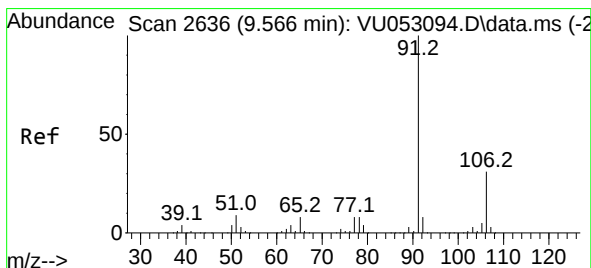
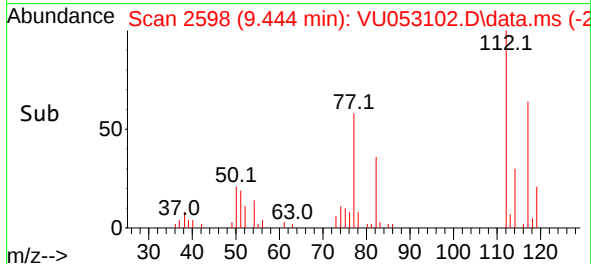
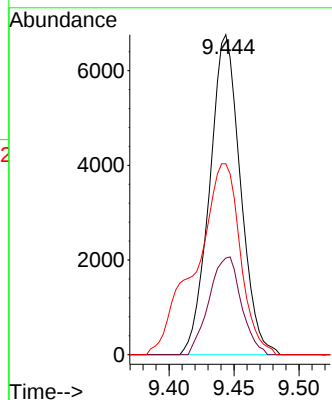
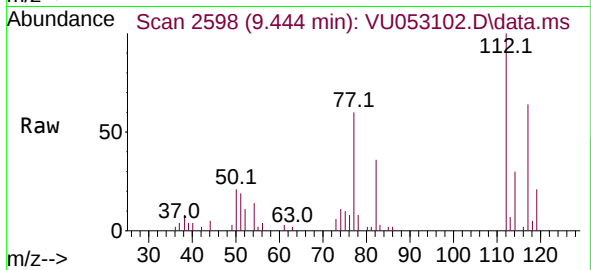
#51
Chlorobenzene
Concen: 2.084 ug/L
RT: 9.444 min Scan# 2597
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2023-02

Tgt Ion: 112 Resp: 11136
Ion Ratio Lower Upper
112 100
114 30.2 22.3 41.3
77 59.6 48.8 73.2

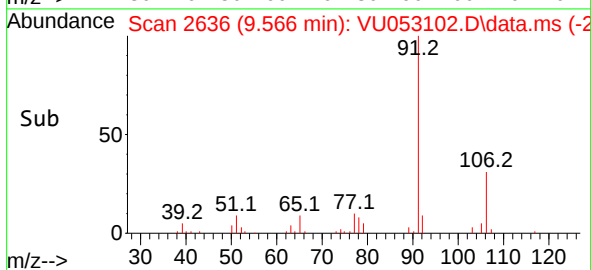
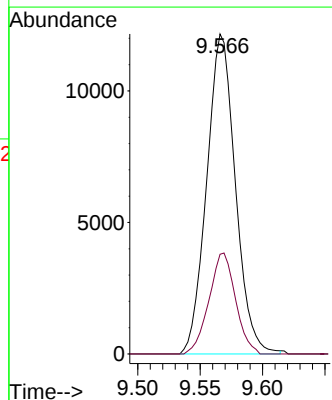
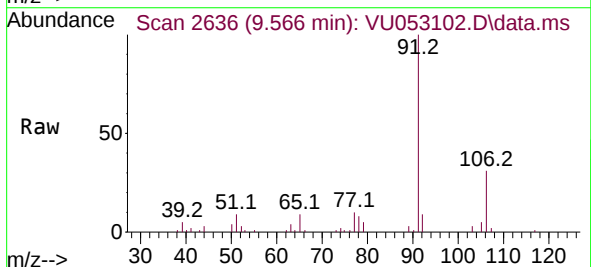
Manual Integrations
APPROVED

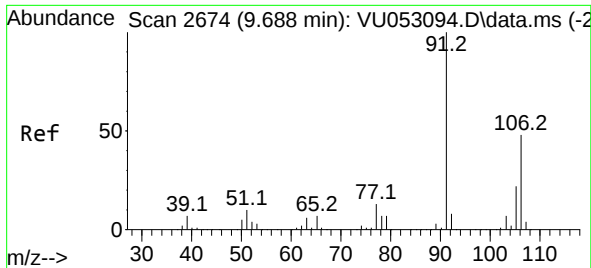
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#52
Ethylbenzene
Concen: 2.024 ug/L
RT: 9.566 min Scan# 2636
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Tgt Ion: 91 Resp: 19474
Ion Ratio Lower Upper
91 100
106 31.2 21.5 39.9





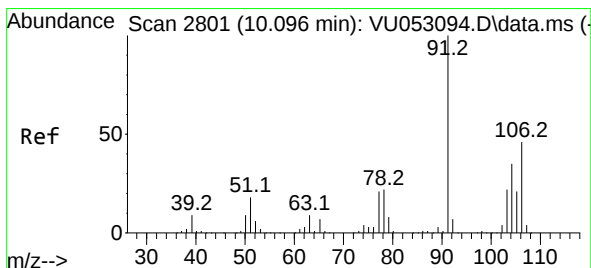
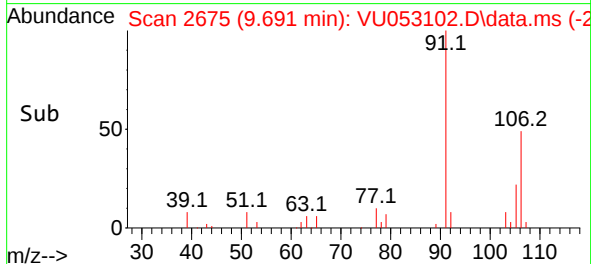
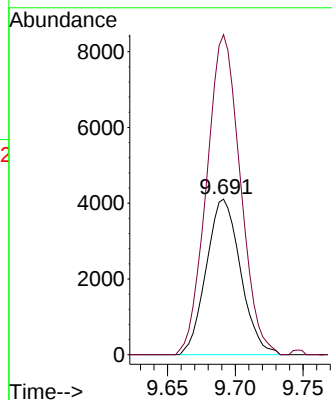
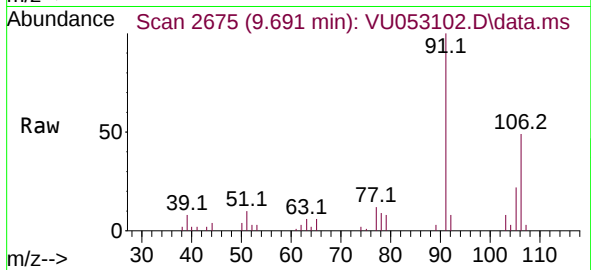
#53
m,p-Xylene
Concen: 1.996 ug/L
RT: 9.691 min Scan# 2675
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02

Tgt Ion:106 Resp: 7220
Ion Ratio Lower Upper
106 100
91 205.7 145.6 270.4

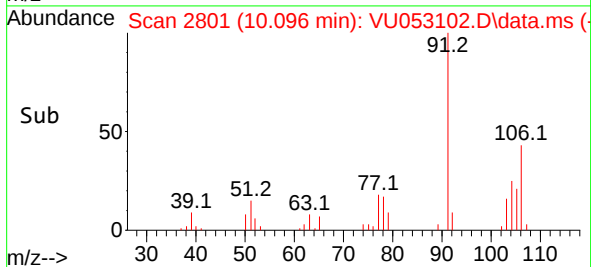
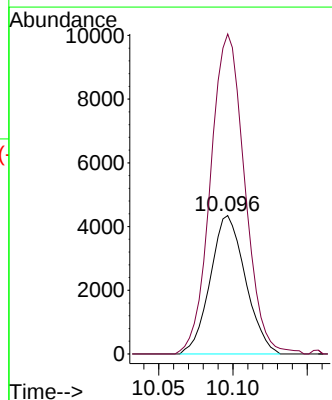
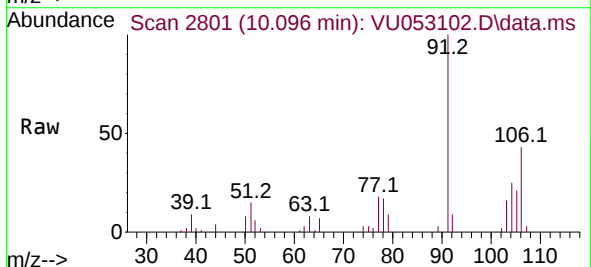
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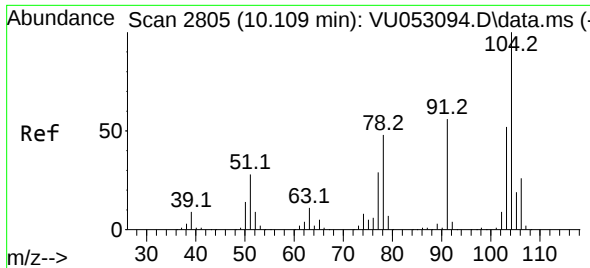
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#54
o-xylene
Concen: 1.995 ug/L
RT: 10.096 min Scan# 2801
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Tgt Ion:106 Resp: 7157
Ion Ratio Lower Upper
106 100
91 231.3 152.8 283.8





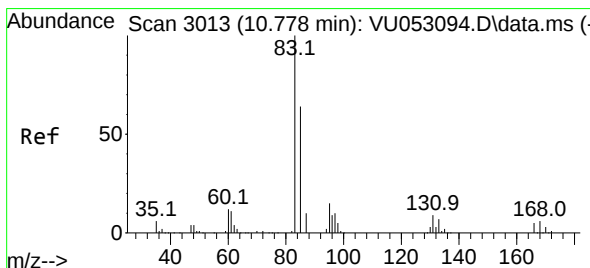
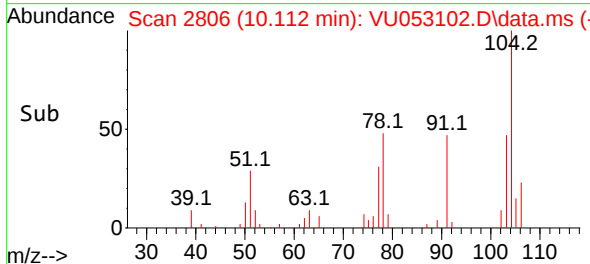
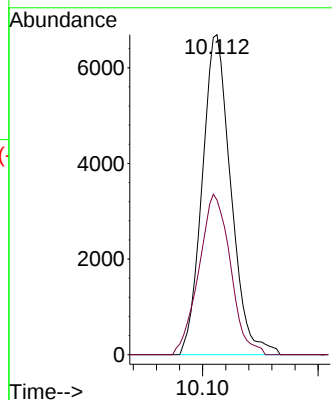
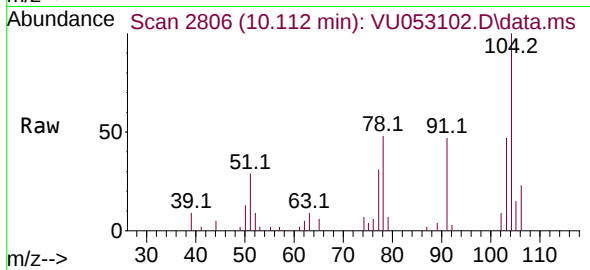
#55
Styrene
Concen: 1.938 ug/L
RT: 10.112 min Scan# 2806
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02

Tgt Ion:104 Resp: 1153
Ion Ratio Lower Upper
104 100
78 48.3 33.6 62.4

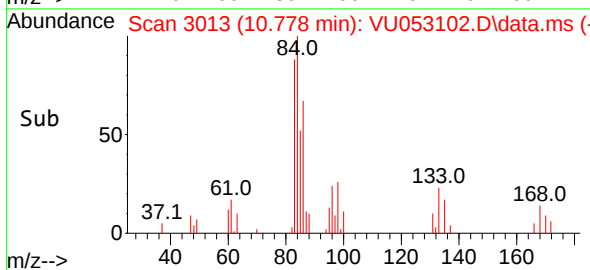
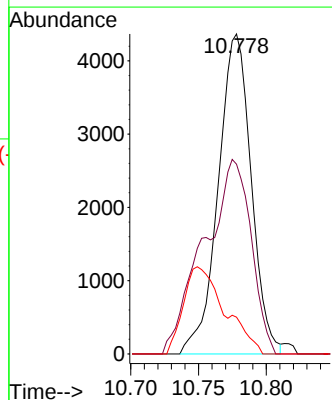
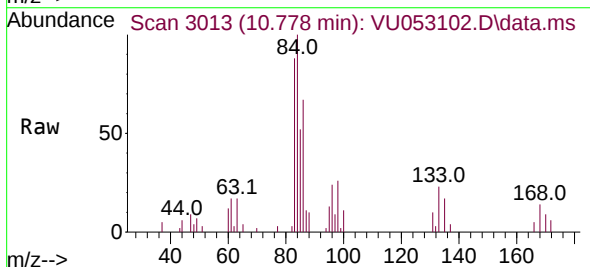
Manual Integrations
APPROVED

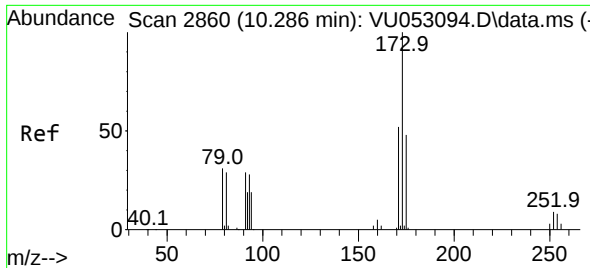
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#57
1,1,2,2-Tetrachloroethane
Concen: 2.245 ug/L
RT: 10.778 min Scan# 3013
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

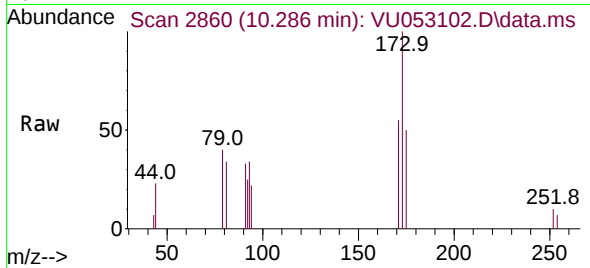
Tgt Ion: 83 Resp: 7385
Ion Ratio Lower Upper
83 100
85 59.3 44.7 82.9
131 11.5 7.2 10.8#





#59
Bromoform
Concen: 1.951 ug/L
RT: 10.286 min Scan# 2860
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

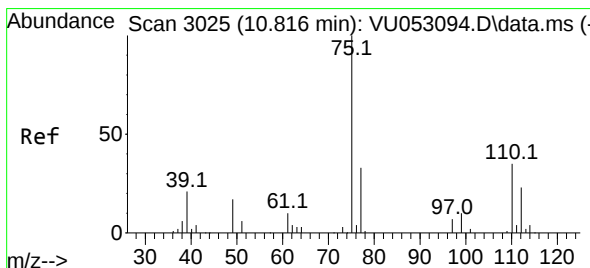
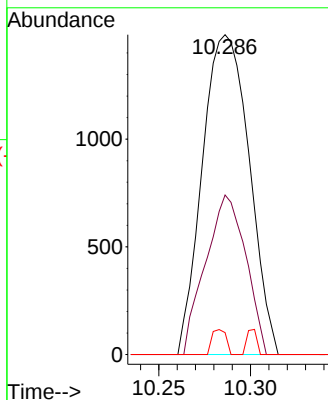
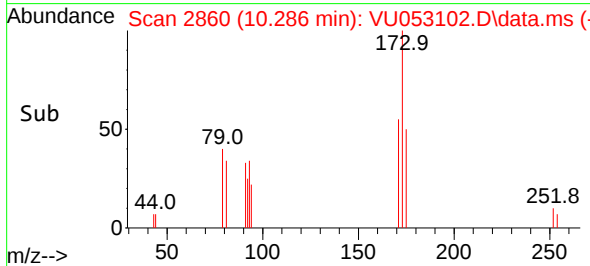
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2023-02



Tgt Ion:173 Resp: 2639
Ion Ratio Lower Upper
173 100
175 42.8 38.8 58.2
254 2.4 6.4 9.6

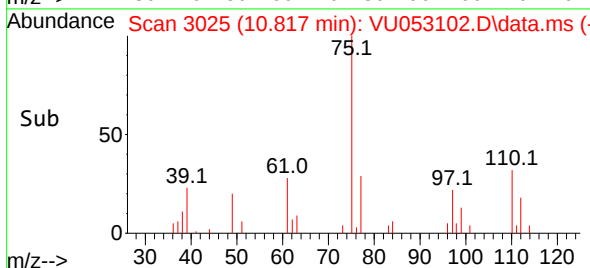
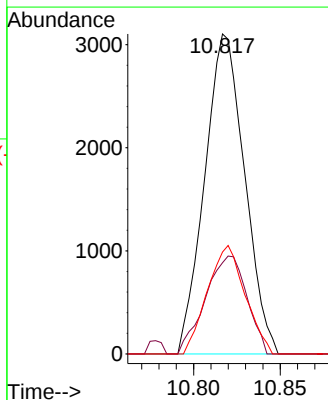
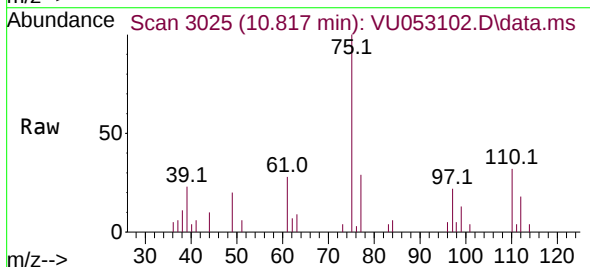
Manual Integrations
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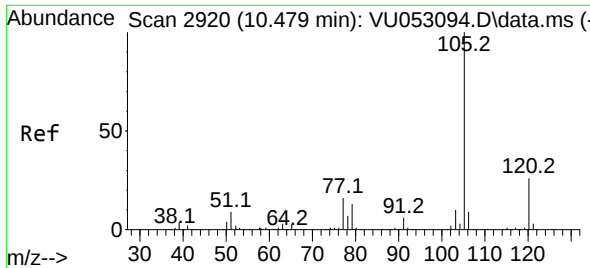
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#60
1,2,3-Trichloropropane
Concen: 2.171 ug/L
RT: 10.817 min Scan# 3025
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Tgt Ion: 75 Resp: 4981
Ion Ratio Lower Upper
75 100
77 31.8 26.6 39.8
110 31.9 28.6 42.8





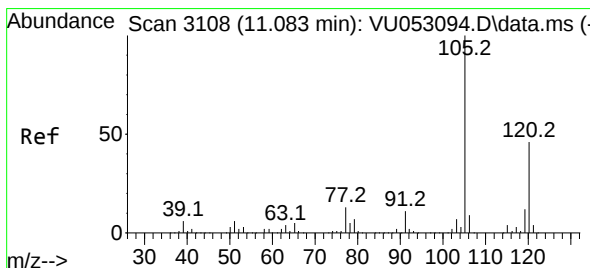
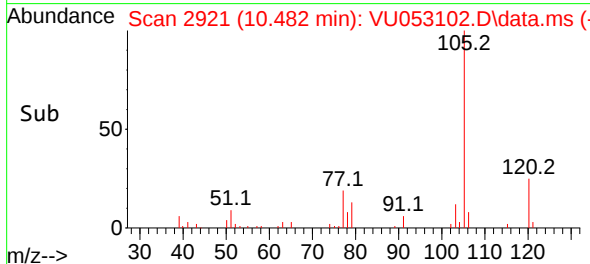
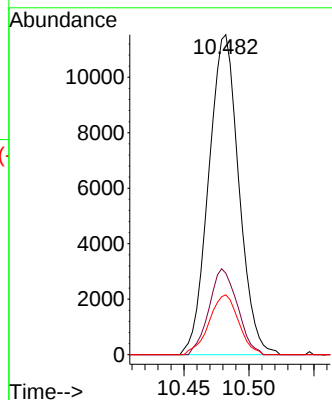
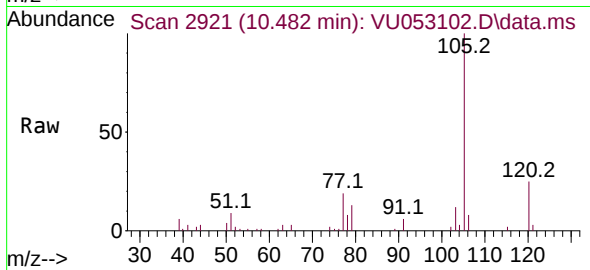
#61
Isopropylbenzene
Concen: 2.124 ug/L
RT: 10.482 min Scan# 2920
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT1-2023-02

Tgt Ion:105 Resp: 1863
Ion Ratio Lower Upper
105 100
120 25.2 20.8 31.2
77 18.3 12.8 19.2

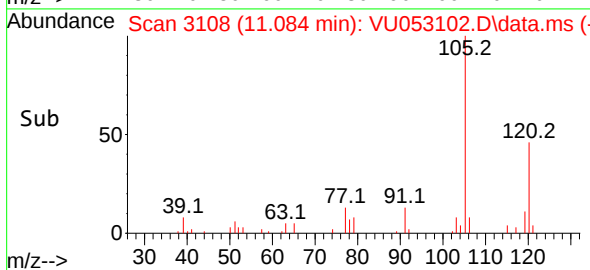
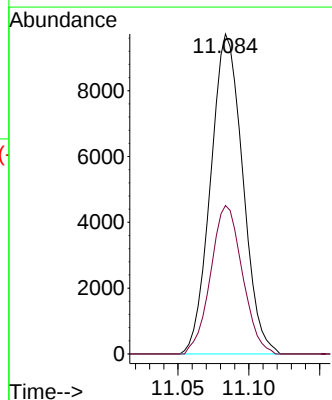
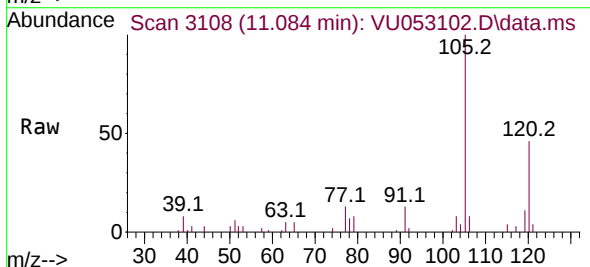
Manual Integrations
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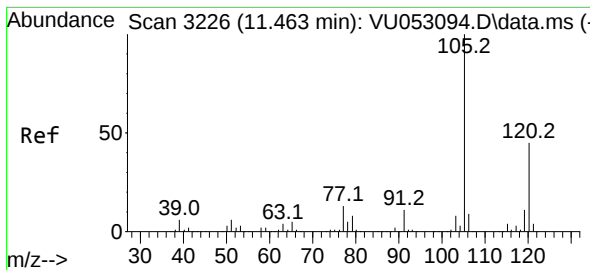
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#62
1,3,5-Trimethylbenzene
Concen: 2.061 ug/L
RT: 11.084 min Scan# 3108
Delta R.T. 0.000 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

Tgt Ion:105 Resp: 15310
Ion Ratio Lower Upper
105 100
120 45.8 37.2 55.8





#63

1,2,4-Trimethylbenzene

Concen: 2.072 ug/L

RT: 11.463 min Scan# 3312

Delta R.T. 0.000 min

Lab File: VU053102.D

Acq: 14 Feb 2023 18:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2023-02

Tgt Ion:105 Resp: 1490

Ion Ratio Lower Upper

105 100

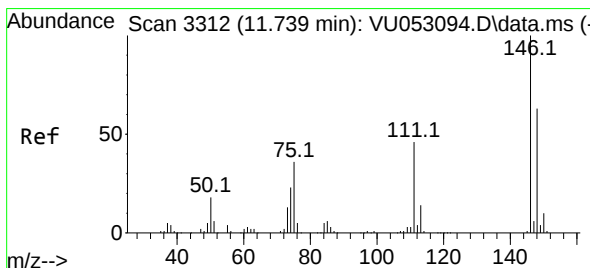
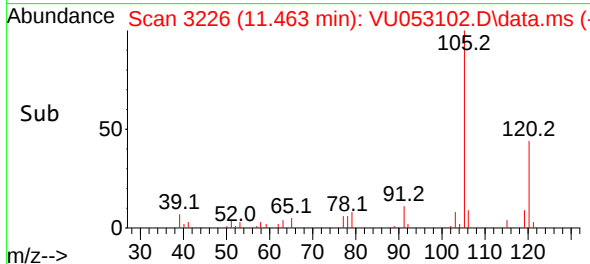
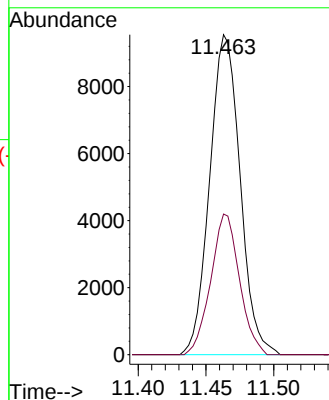
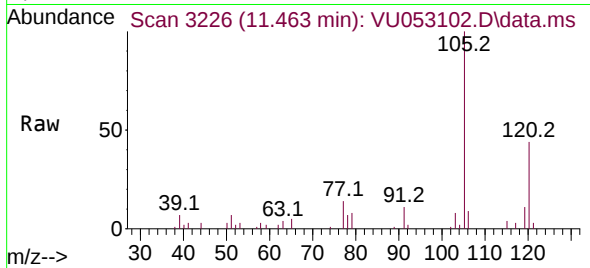
120 41.4 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/15/2023

Supervised By :Mahesh Dadoda 02/15/2023



#64

1,3-Dichlorobenzene

Concen: 2.047 ug/L

RT: 11.743 min Scan# 3313

Delta R.T. 0.003 min

Lab File: VU053102.D

Acq: 14 Feb 2023 18:25

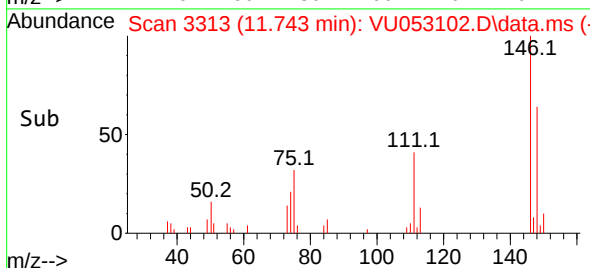
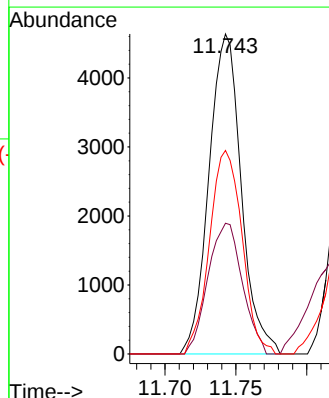
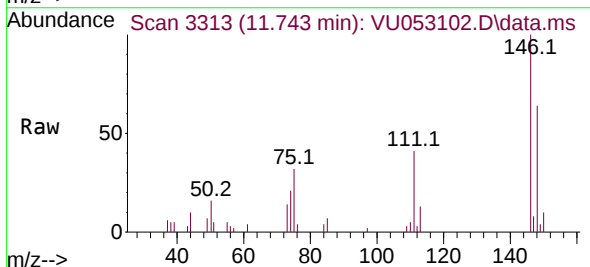
Tgt Ion:146 Resp: 7356

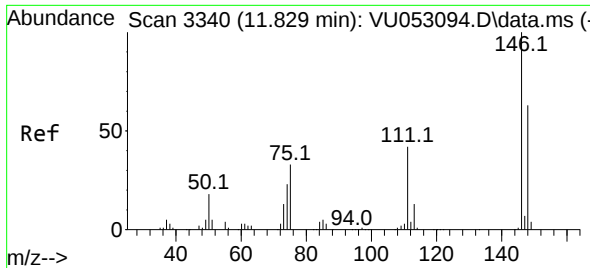
Ion Ratio Lower Upper

146 100

111 40.8 32.1 59.5

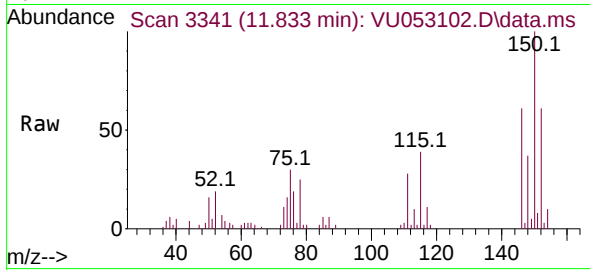
148 63.6 44.2 82.2





#65
1,4-Dichlorobenzene
Concen: 2.105 ug/L
RT: 11.833 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

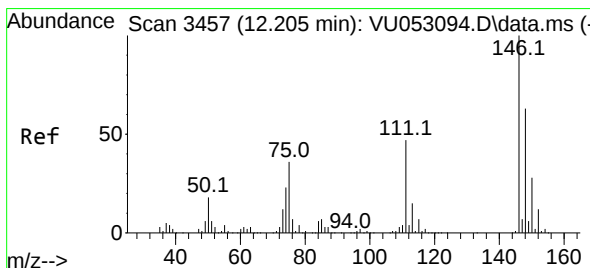
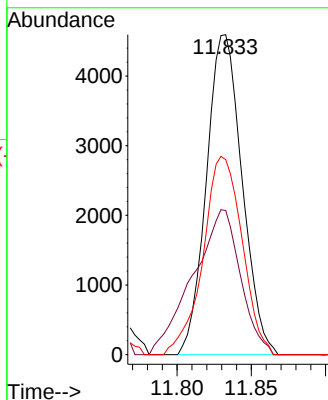
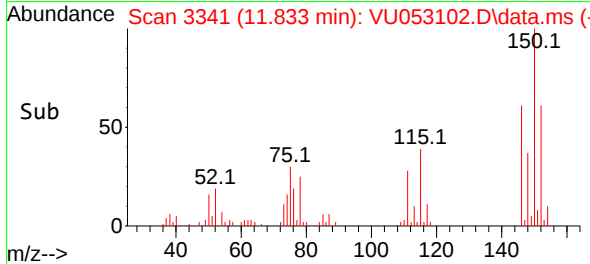
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02



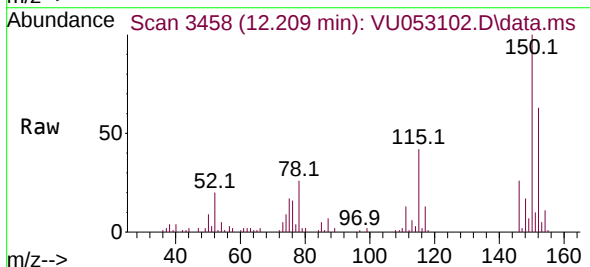
Tgt Ion:146 Resp: 7674
Ion Ratio Lower Upper
146 100
111 45.0 29.9 55.5
148 61.0 44.0 81.6

Manual Integrations
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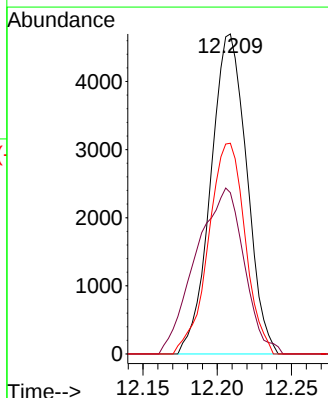
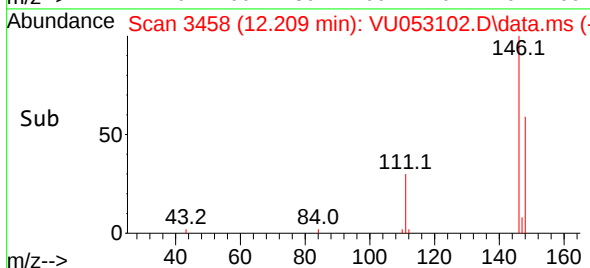
Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023

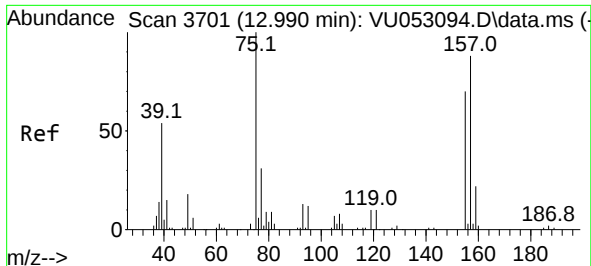


#67
1,2-Dichlorobenzene
Concen: 2.180 ug/L
RT: 12.209 min Scan# 3458
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25



Tgt Ion:146 Resp: 7918
Ion Ratio Lower Upper
146 100
111 50.4 37.8 56.6
148 65.9 50.4 75.6





#68

1,2-Dibromo-3-chloropropane

Concen: 1.933 ug/L

RT: 12.993 min Scan# 3701

Delta R.T. 0.003 min

Lab File: VU053102.D

Acq: 14 Feb 2023 18:25

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT1-2023-02

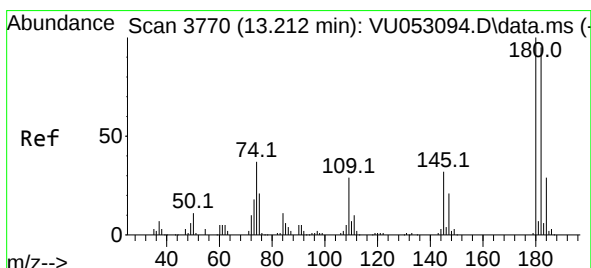
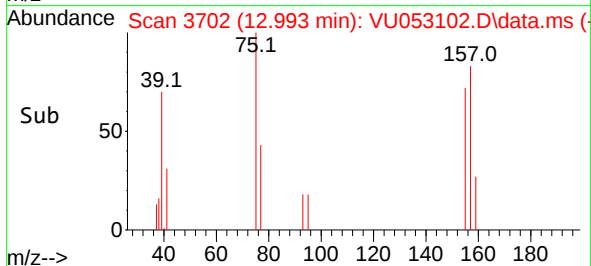
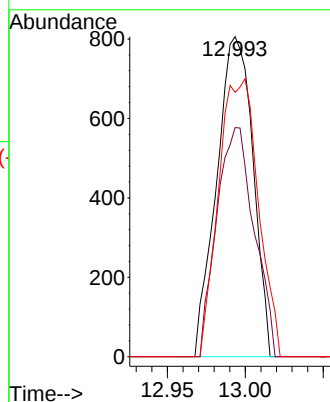
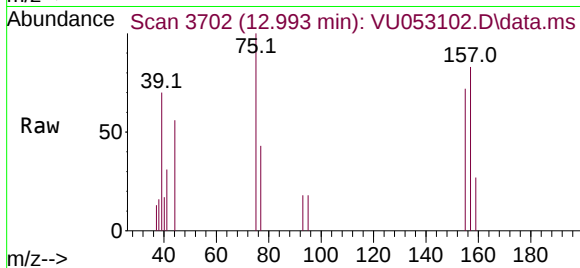
Tgt Ion: 75	Resp: 130
Ion Ratio	Lower Upper
75	100
155	71.6 55.8 83.6
157	82.6 70.7 106.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/15/2023

Supervised By :Mahesh Dadoda 02/15/2023



#69

1,3,5-Trichlorobenzene

Concen: 1.806 ug/L

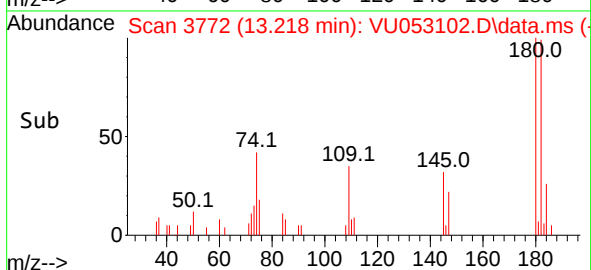
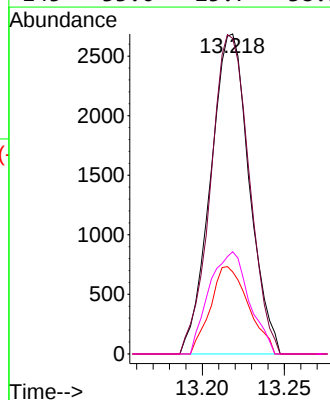
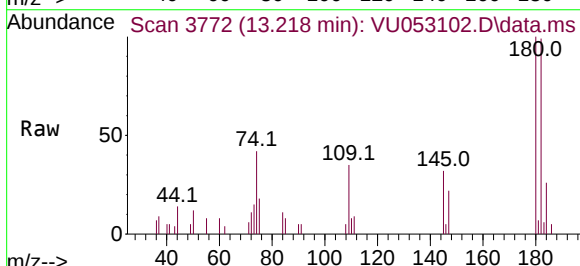
RT: 13.218 min Scan# 3772

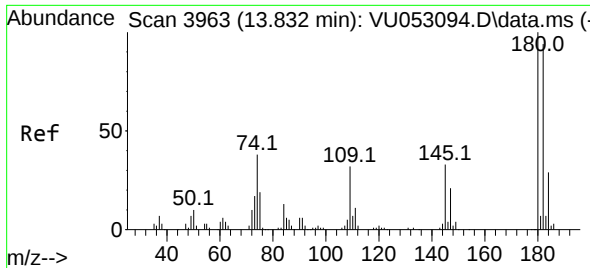
Delta R.T. 0.007 min

Lab File: VU053102.D

Acq: 14 Feb 2023 18:25

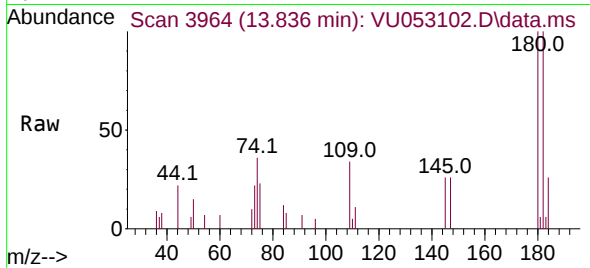
Tgt Ion:180	Resp: 4399
Ion Ratio	Lower Upper
180	100
182	99.1 76.9 115.3
184	26.8 23.7 35.5
145	33.0 25.7 38.5





#70
1,2,4-trichlorobenzene
Concen: 1.657 ug/L
RT: 13.836 min Scan# 3963
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25

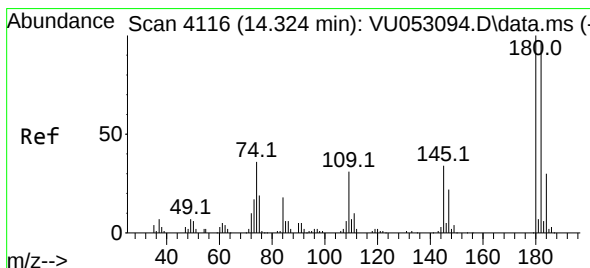
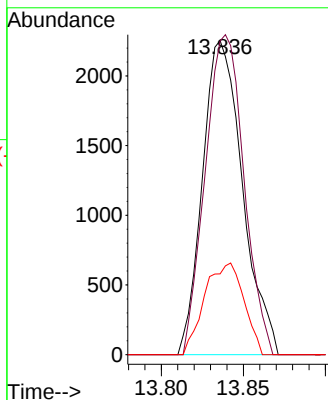
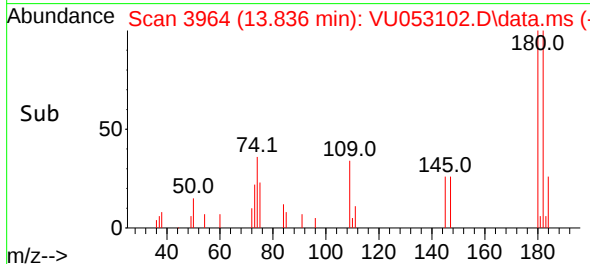
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT1-2023-02



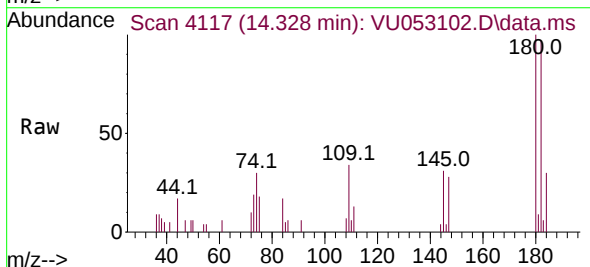
Tgt Ion:180 Resp: 3820
Ion Ratio Lower Upper
180 100
182 98.2 76.4 114.6
145 0.0 26.8 40.2

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/15/2023
Supervised By :Mahesh Dadoda 02/15/2023



#72
1,2,3-Trichlorobenzene
Concen: 1.825 ug/L
RT: 14.328 min Scan# 4117
Delta R.T. 0.003 min
Lab File: VU053102.D
Acq: 14 Feb 2023 18:25



Tgt Ion:180 Resp: 4224
Ion Ratio Lower Upper
180 100
182 96.9 75.4 113.2
145 32.9 28.2 42.2

