

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040623\
 Data File : VU053588.D
 Acq On : 06 Apr 2023 12:27
 Operator : JC/MD
 Sample : 02215-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2023-03

Quant Time: Apr 07 03:45:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 01 04:51:17 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	252049	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	236457	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	121062	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	99123	50.506	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 101.020%			
7) Chloroethane-d5	1.909	69	81191	53.654	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.300%			
11) 1,1-Dichloroethene-d2	2.562	63	115359	37.971	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 75.940%			
21) 2-Butanone-d5	4.613	46	106889	120.291	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 120.290%			
24) Chloroform-d	5.057	84	155868	48.021	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.040%			
26) 1,2-Dichloroethane-d4	5.697	65	101467	52.904	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.800%			
32) Benzene-d6	5.723	84	326779	51.198	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 102.400%			
36) 1,2-Dichloropropane-d6	6.684	67	102490	52.535	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 105.080%			
41) Toluene-d8	7.893	98	307512	48.475	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.940%			
43) trans-1,3-Dichloroprop...	8.176	79	49603	49.257	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.520%			
47) 2-Hexanone-d5	8.626	63	79829	119.898	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 119.900%			
56) 1,1,2,2-Tetrachloroeth...	10.751	84	144653	52.608	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 105.220%			
66) 1,2-Dichlorobenzene-d4	12.188	152	120965	47.869	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 95.740%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	3730	1.823	ug/L	100
3) Chloromethane	1.520	50	3764	2.239	ug/L #	82
5) Vinyl chloride	1.604	62	4681	2.403	ug/L #	48
6) Bromomethane	1.851	94	2891	2.039	ug/L	92
8) Chloroethane	1.928	64	2836	2.420	ug/L #	82
9) Trichlorofluoromethane	2.137	101	6004	2.004	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	4518	2.603	ug/L #	74
12) 1,1-Dichloroethene	2.575	96	4105	2.654	ug/L #	1
13) Acetone	2.620	43	3272	4.097	ug/L	98
14) Carbon disulfide	2.790	76	8386	2.050	ug/L #	91
15) Methyl Acetate	2.948	43	2852	2.332	ug/L	93
17) trans-1,2-Dichloroethene	3.353	96	3041	1.956	ug/L	89
18) Methyl tert-butyl Ether	3.359	73	8812	1.945	ug/L #	94
19) 1,1-Dichloroethane	3.858	63	5005	1.944	ug/L	97
20) cis-1,2-Dichloroethene	4.661	96	3428	1.909	ug/L	96
22) 2-Butanone	4.706	43	4705m	4.863	ug/L	
23) Bromochloromethane	4.973	128	1538m	1.538	ug/L	
25) Chloroform	5.083	83	7597	2.573	ug/L	91
27) 1,2-Dichloroethane	5.793	62	4657	2.153	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.388	56	4375	1.922	ug/L	97
30) 1,1,1-Trichloroethane	5.311	97	4698	1.803	ug/L #	70
31) Carbon tetrachloride	5.520	117	3932	1.684	ug/L	98
33) Benzene	5.771	78	12660	2.055	ug/L	100
34) Trichloroethene	6.542	95	3735	2.004	ug/L	96
35) Methylcyclohexane	6.758	83	5561	2.030	ug/L	96
37) 1,2-Dichloropropane	6.790	63	3592	2.296	ug/L #	93
38) Bromodichloromethane	7.102	83	4055	1.943	ug/L	98
39) cis-1,3-Dichloropropene	7.603	75	4780	1.870	ug/L	93
40) 4-Methyl-2-pentanone	7.790	43	7538	4.434	ug/L	98
42) Toluene	7.967	91	13695	1.962	ug/L	95
44) trans-1,3-Dichloropropene	8.211	75	4729	1.957	ug/L	98
45) 1,1,2-Trichloroethane	8.394	97	3564	2.075	ug/L	94
46) Tetrachloroethene	8.549	164	2902	1.877	ug/L	92
48) 2-Hexanone	8.681	43	7426	5.400	ug/L #	88
49) Dibromochloromethane	8.806	129	2737	1.533	ug/L	95
50) 1,2-Dibromoethane	8.922	107	3436	1.788	ug/L #	95
51) Chlorobenzene	9.443	112	9634	2.003	ug/L	96
52) Ethylbenzene	9.568	91	14912	1.919	ug/L	97
53) m,p-Xylene	9.693	106	6078	2.000	ug/L	93
54) o-xylene	10.095	106	5192	1.728	ug/L	85
55) Styrene	10.115	104	8794	1.797	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.777	83	5703	2.262	ug/L	99
59) Bromoform	10.288	173	1831	1.478	ug/L #	94
60) 1,2,3-Trichloropropane	10.819	75	4435	2.527	ug/L	95
61) Isopropylbenzene	10.481	105	13109	1.831	ug/L	93
62) 1,3,5-Trimethylbenzene	11.086	105	10425	1.752	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	10628	1.803	ug/L	99
64) 1,3-Dichlorobenzene	11.745	146	7299	1.952	ug/L	98
65) 1,4-Dichlorobenzene	11.832	146	8838	2.319	ug/L	93
67) 1,2-Dichlorobenzene	12.208	146	7381	1.980	ug/L #	92
68) 1,2-Dibromo-3-chloropr...	12.996	75	980m	2.094	ug/L	
69) 1,3,5-Trichlorobenzene	13.217	180	4869	1.758	ug/L #	93
70) 1,2,4-trichlorobenzene	13.838	180	5133	1.999	ug/L #	87
71) Naphthalene	14.086	128	15352	1.997	ug/L #	95
72) 1,2,3-Trichlorobenzene	14.327	180	4778	1.863	ug/L #	91

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

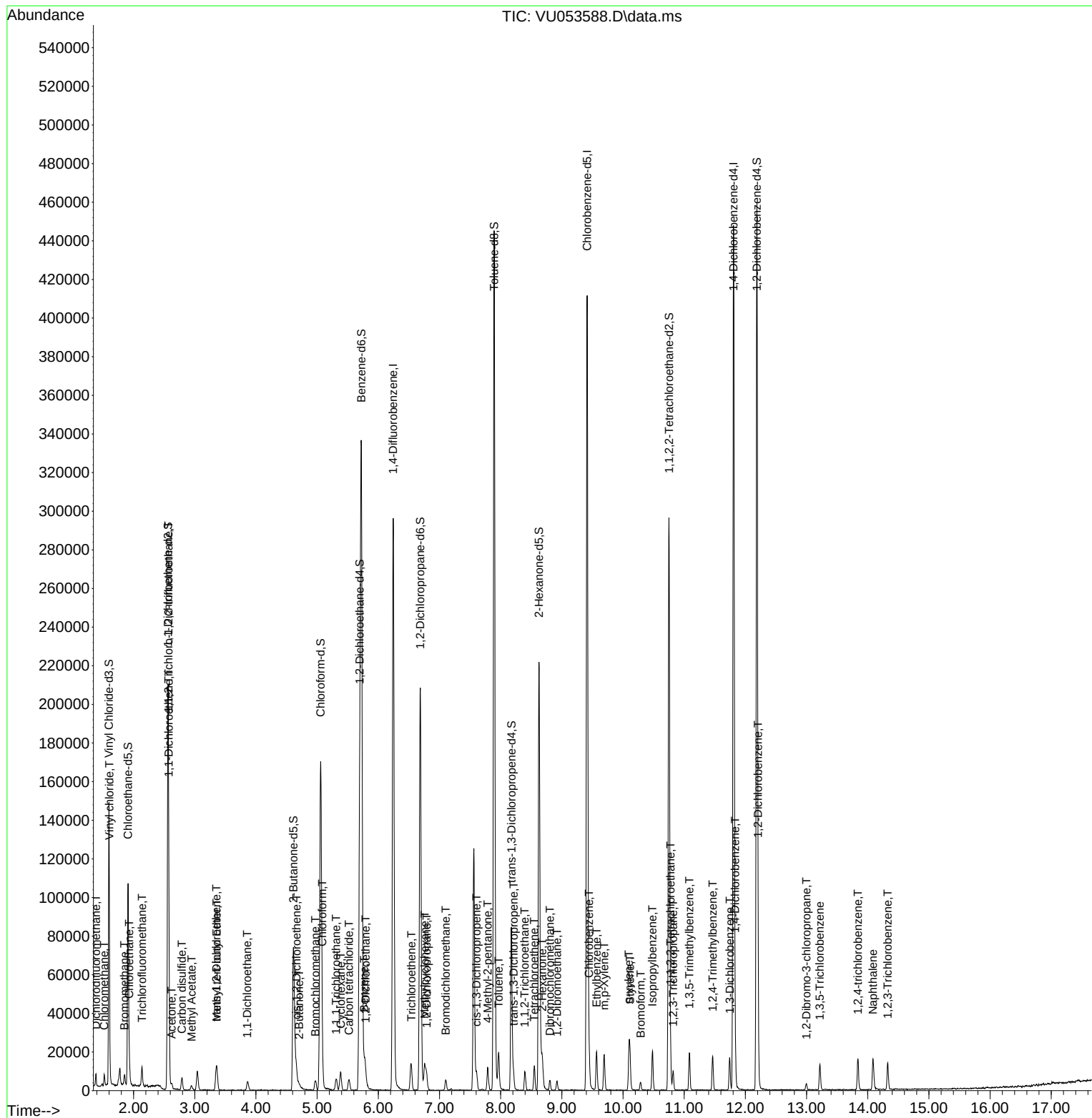
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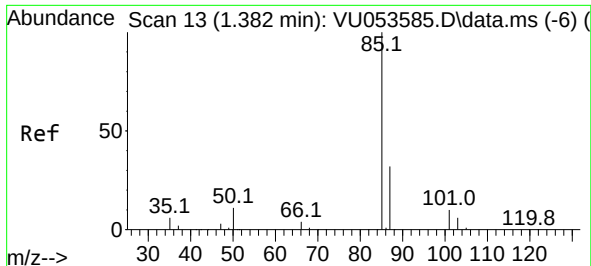
Instrument :
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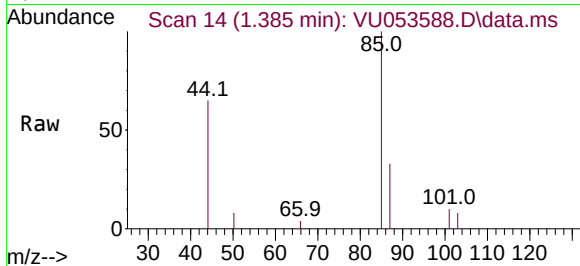
Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023





#2
Dichlorodifluoromethane
Concen: 1.823 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

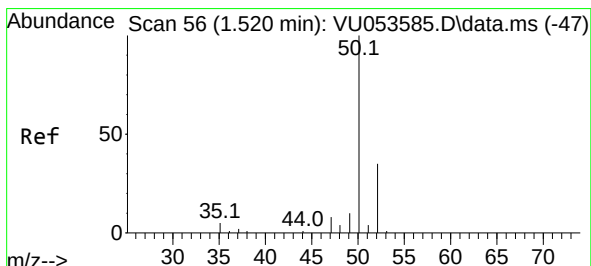
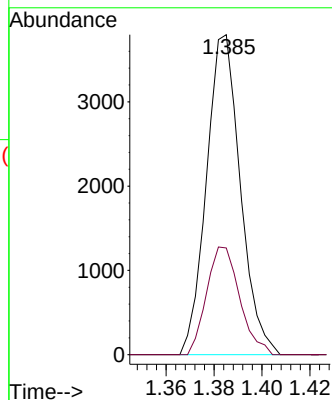
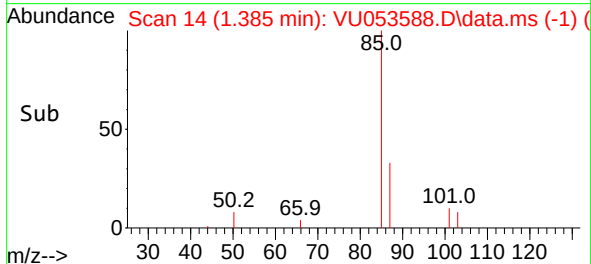
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-03



Tgt Ion: 85 Resp: 3730
Ion Ratio Lower Upper
85 100
87 32.9 26.4 39.6

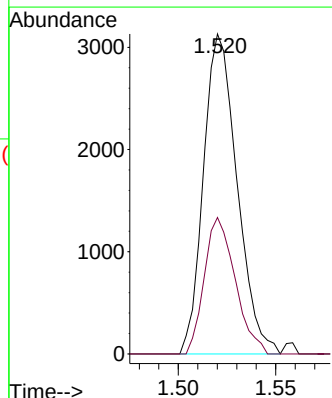
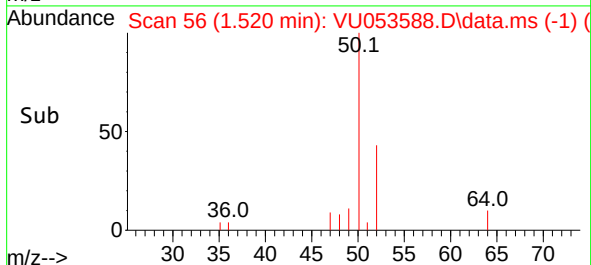
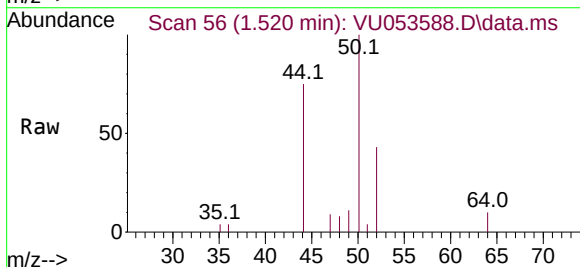
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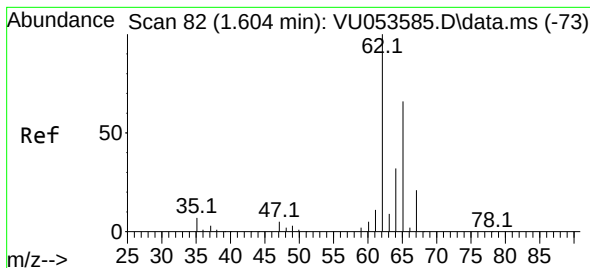
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#3
Chloromethane
Concen: 2.239 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Tgt Ion: 50 Resp: 3764
Ion Ratio Lower Upper
50 100
52 42.7 22.7 42.1#





#5

Vinyl chloride

Concen: 2.403 ug/L

RT: 1.604 min Scan# 82

Delta R.T. 0.000 min

Lab File: VU053588.D

Acq: 06 Apr 2023 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-03

Tgt Ion: 62 Resp: 468

Ion Ratio Lower Upper

62 100

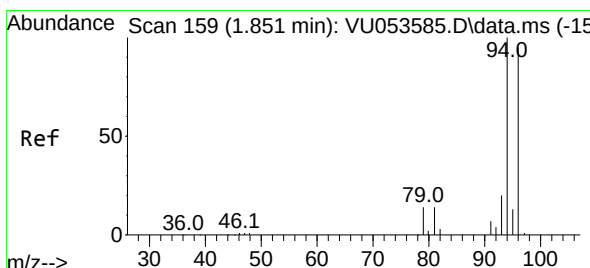
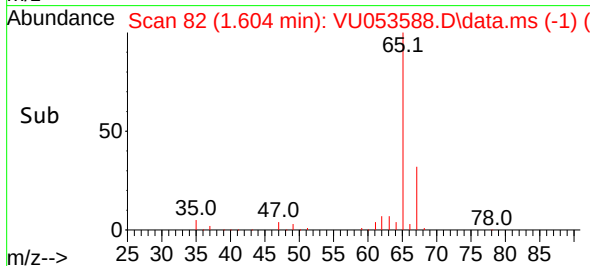
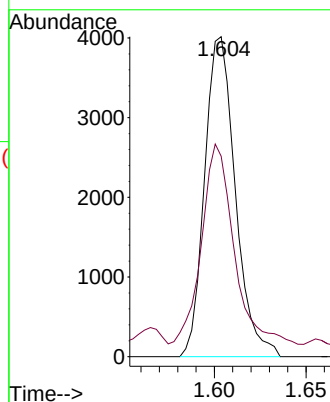
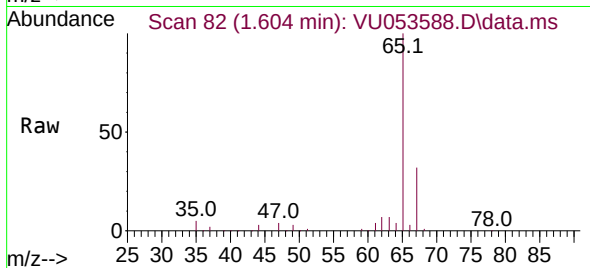
64 62.6 23.2 43.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#6

Bromomethane

Concen: 2.039 ug/L

RT: 1.851 min Scan# 159

Delta R.T. 0.000 min

Lab File: VU053588.D

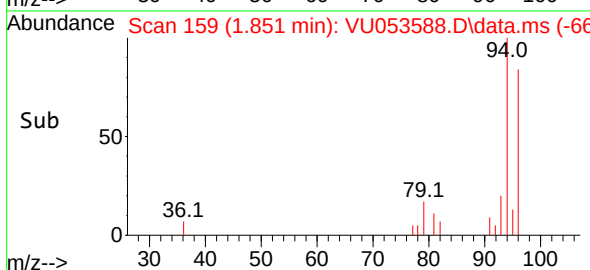
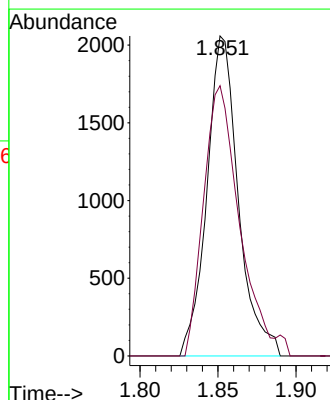
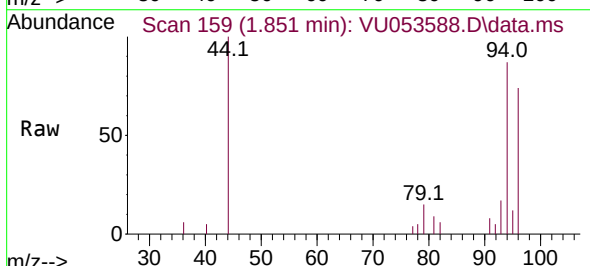
Acq: 06 Apr 2023 12:27

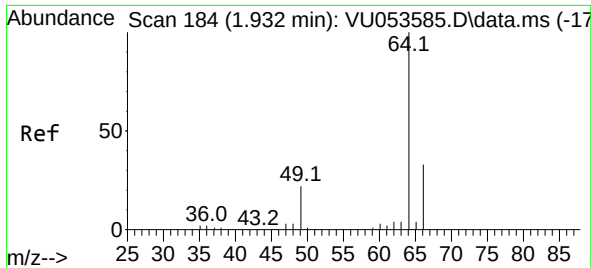
Tgt Ion: 94 Resp: 2891

Ion Ratio Lower Upper

94 100

96 84.5 64.4 119.6





#8

Chloroethane

Concen: 2.420 ug/L

RT: 1.928 min Scan# 183

Delta R.T. -0.003 min

Lab File: VU053588.D

Acq: 06 Apr 2023 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-03

Tgt Ion: 64 Resp: 2830

Ion Ratio Lower Upper

64 100

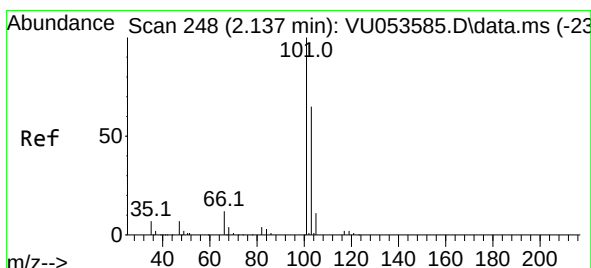
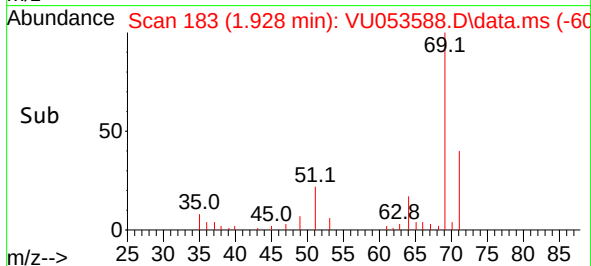
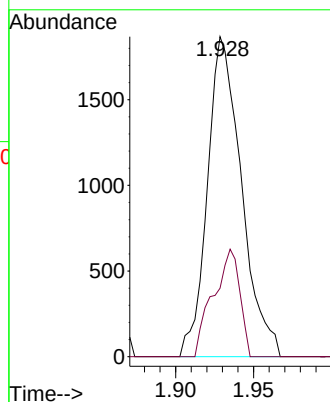
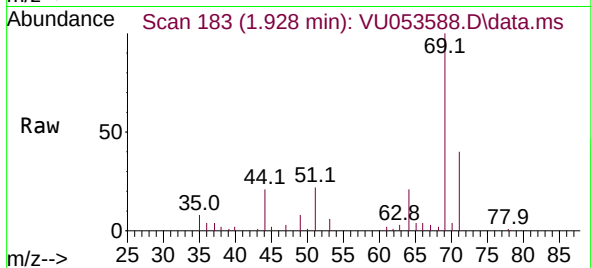
66 21.4 21.8 40.6

Manual Integrations

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Supervised By :Mahesh Dadoda 04/07/2023



#9

Trichlorofluoromethane

Concen: 2.004 ug/L

RT: 2.137 min Scan# 248

Delta R.T. 0.000 min

Lab File: VU053588.D

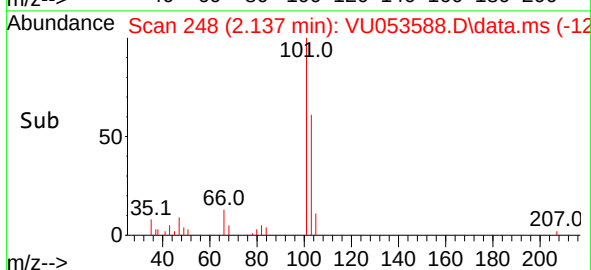
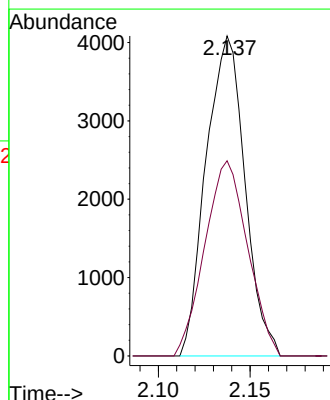
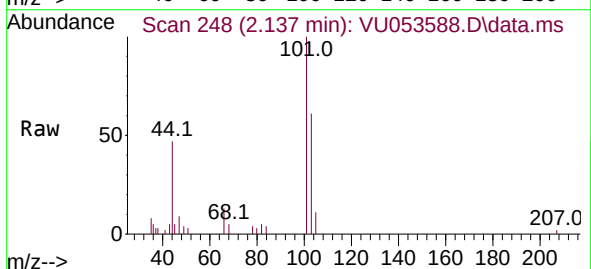
Acq: 06 Apr 2023 12:27

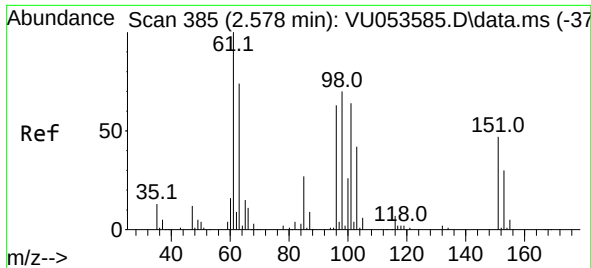
Tgt Ion:101 Resp: 6004

Ion Ratio Lower Upper

101 100

103 67.2 52.5 78.7





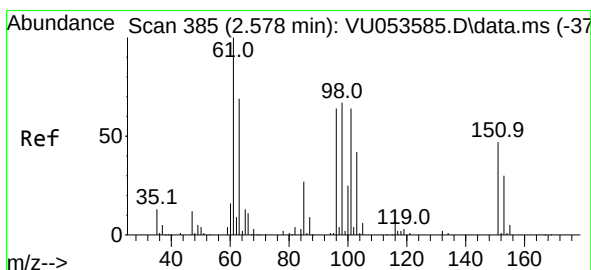
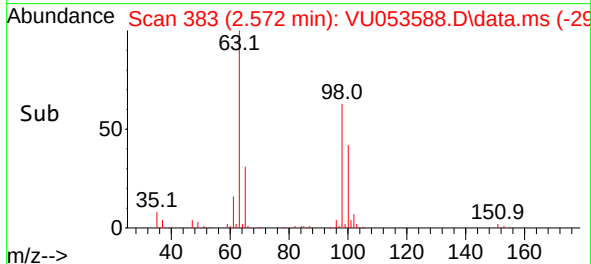
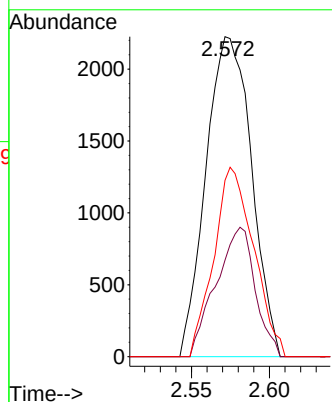
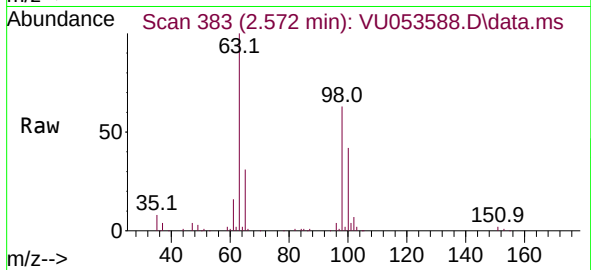
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.603 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.006 min
Lab File: VU053588.D
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MDL-WATER-QT2-2023-03

Tgt Ion: 101 Resp: 4518
Ion Ratio Lower Upper
101 100
85 34.8 32.6 48.8
151 51.9 65.8 98.6

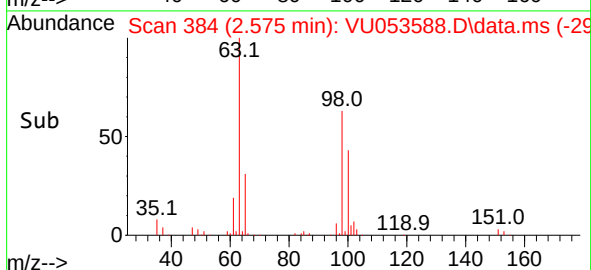
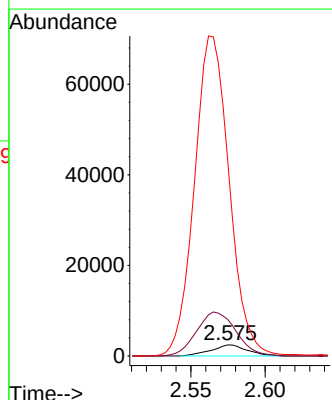
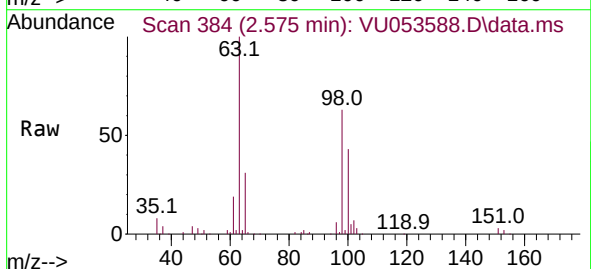
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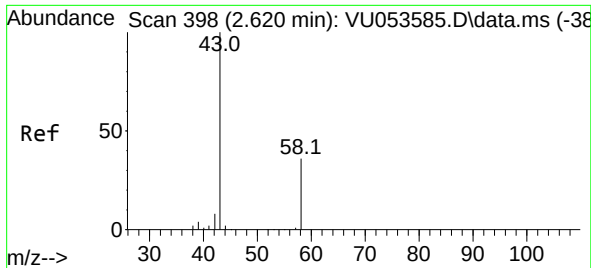
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#12
1,1-Dichloroethene
Concen: 2.654 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Tgt Ion: 96 Resp: 4105
Ion Ratio Lower Upper
96 100
61 330.3 107.9 200.5#
63 1772.2 79.1 146.9#





#13

Acetone

Concen: 4.097 ug/L

RT: 2.620 min Scan# 398

Delta R.T. 0.000 min

Lab File: VU053588.D

Acq: 06 Apr 2023 12:27

Instrument :

MSVOA_U

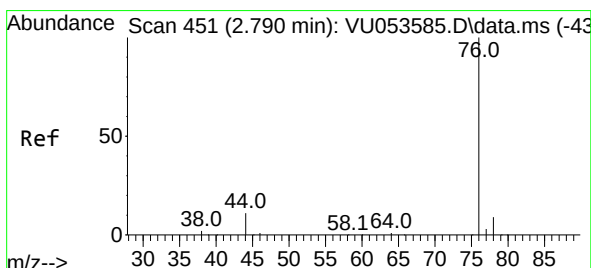
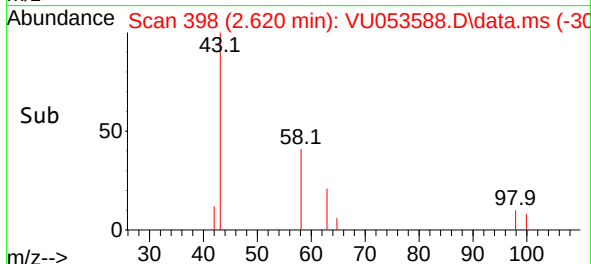
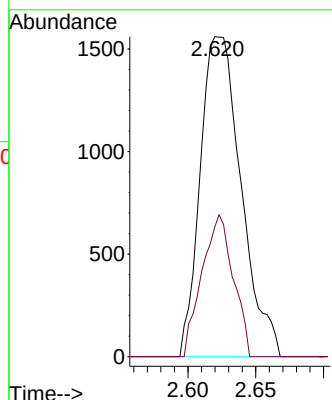
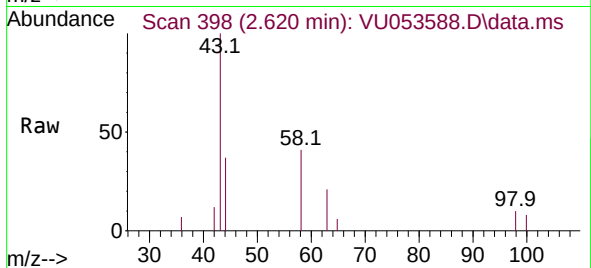
ClientSampleId :

MDL-WATER-QT2-2023-03

Tgt Ion: 43 Resp: 3272
 Ion Ratio Lower Upper
 43 100
 58 33.9 0.0 70.2

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#14

Carbon disulfide

Concen: 2.050 ug/L

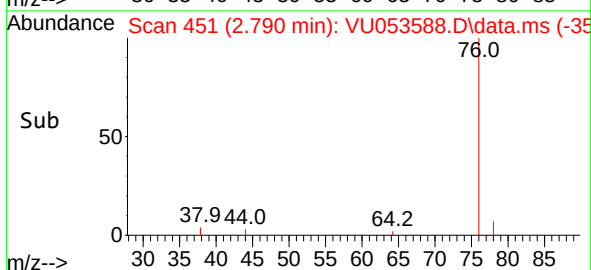
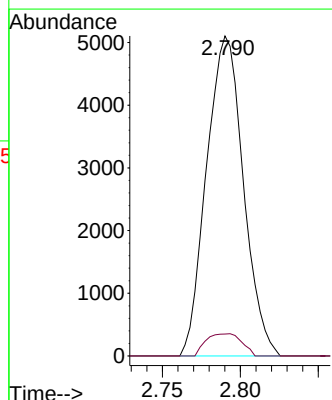
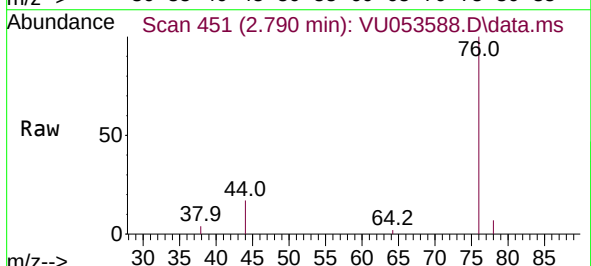
RT: 2.790 min Scan# 451

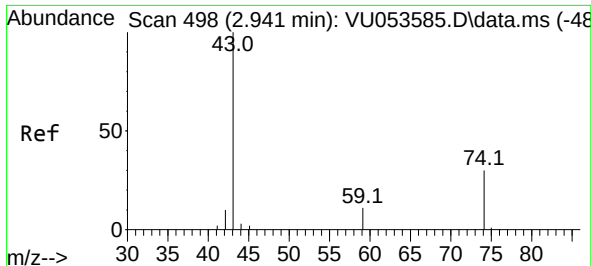
Delta R.T. 0.000 min

Lab File: VU053588.D

Acq: 06 Apr 2023 12:27

Tgt Ion: 76 Resp: 8386
 Ion Ratio Lower Upper
 76 100
 78 6.8 8.2 12.2#





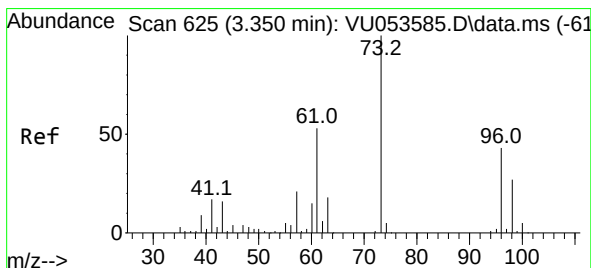
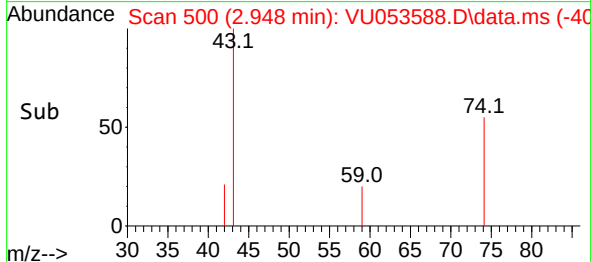
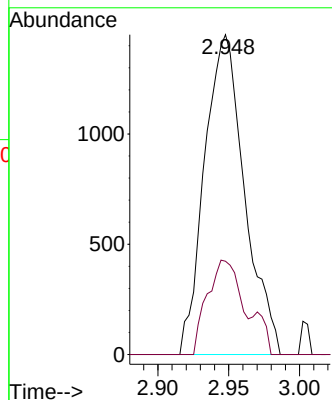
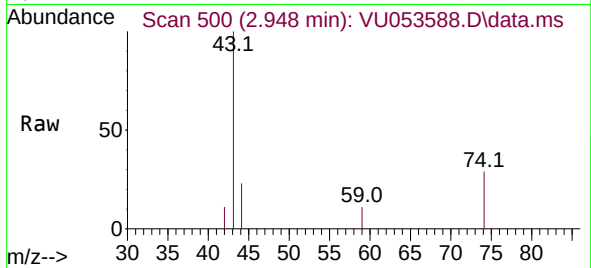
#15
Methyl Acetate
Concen: 2.332 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.006 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-03

Tgt Ion: 43 Resp: 2852
Ion Ratio Lower Upper
43 100
74 24.1 22.0 33.0

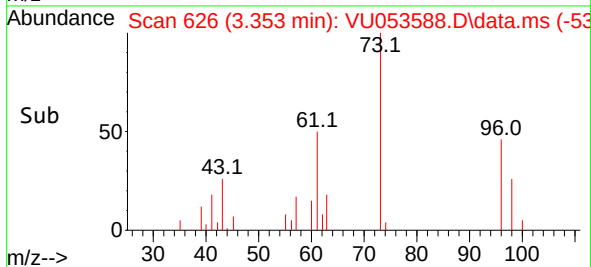
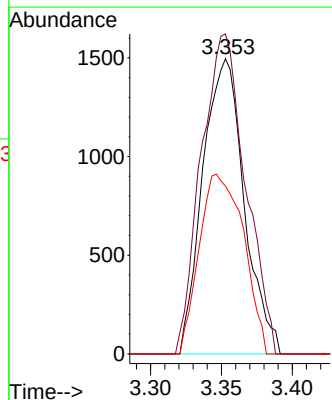
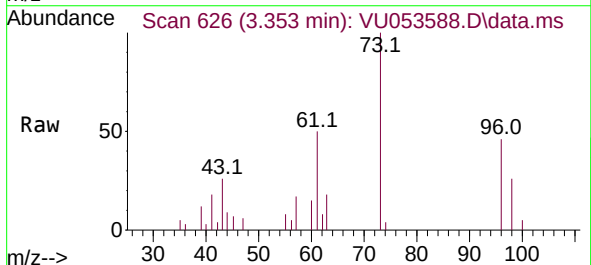
Manual Integrations
APPROVED

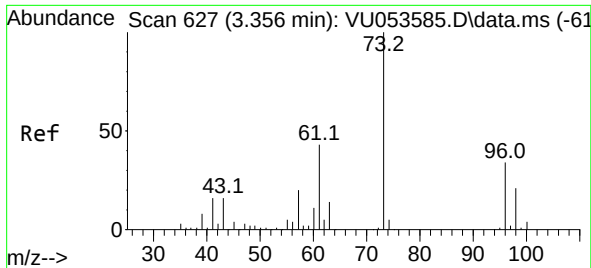
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#17
trans-1,2-Dichloroethene
Concen: 1.956 ug/L
RT: 3.353 min Scan# 626
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

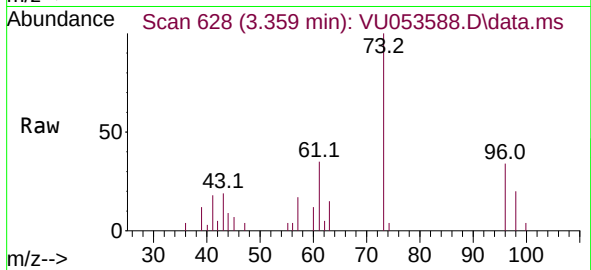
Tgt Ion: 96 Resp: 3041
Ion Ratio Lower Upper
96 100
61 108.4 84.4 156.8
98 56.9 46.0 85.4





#18
Methyl tert-butyl Ether
Concen: 1.945 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

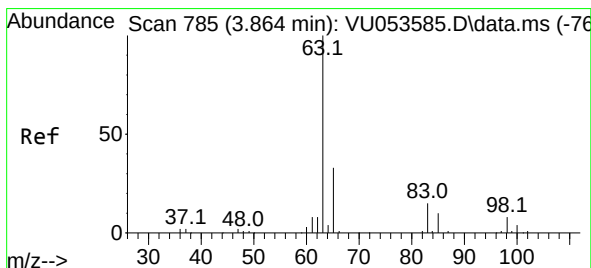
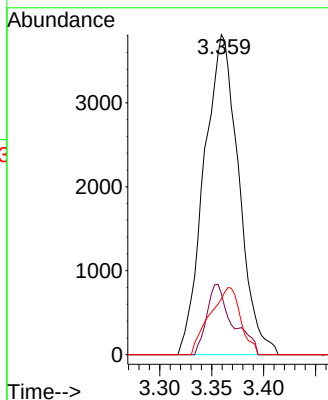
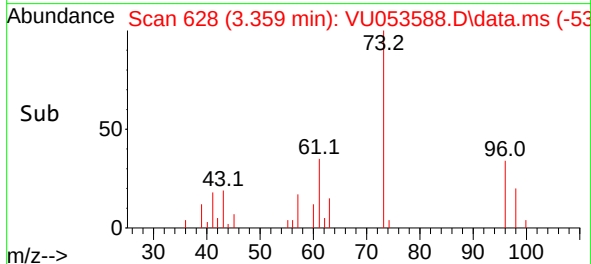
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-03



Tgt Ion: 73 Resp: 881
Ion Ratio Lower Upper
73 100
43 13.1 13.8 20.8
57 18.7 15.9 23.9

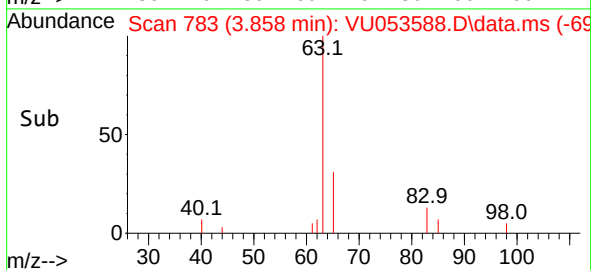
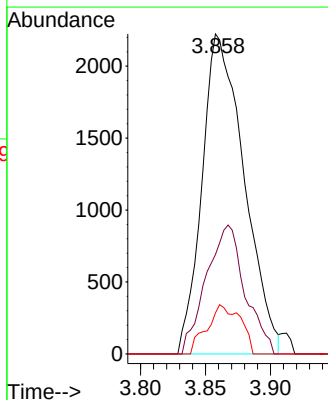
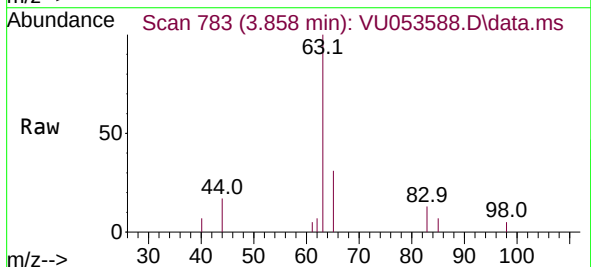
Manual Integrations
APPROVED

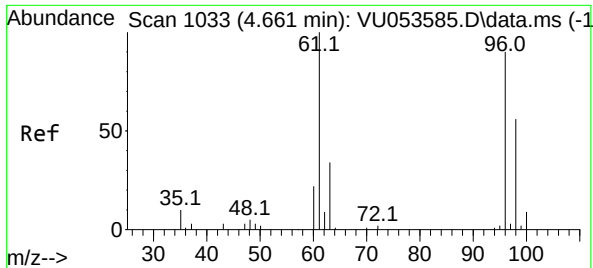
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#19
1,1-Dichloroethane
Concen: 1.944 ug/L
RT: 3.858 min Scan# 783
Delta R.T. -0.006 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Tgt Ion: 63 Resp: 5005
Ion Ratio Lower Upper
63 100
65 31.1 22.0 41.0
83 12.9 10.8 20.0





#20

cis-1,2-Dichloroethene

Concen: 1.909 ug/L

RT: 4.661 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VU053588.D

Acq: 06 Apr 2023 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-03

Tgt Ion: 96 Resp: 3428

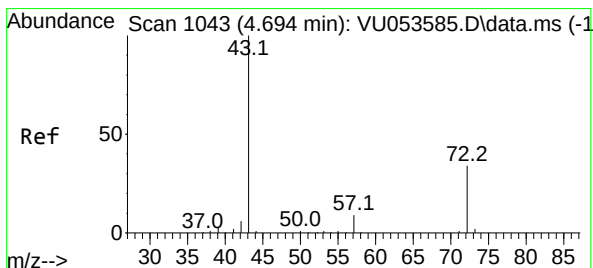
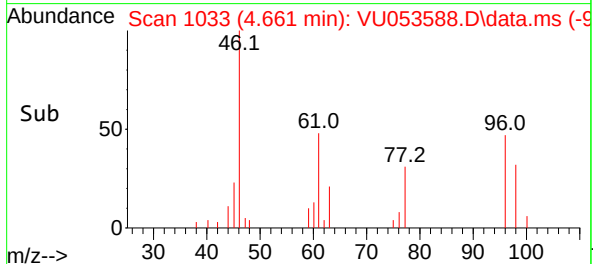
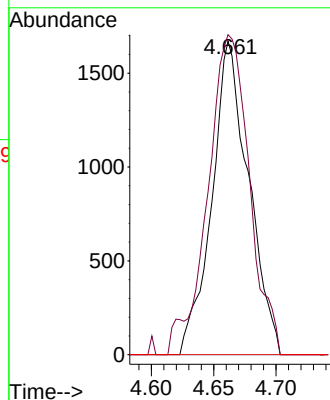
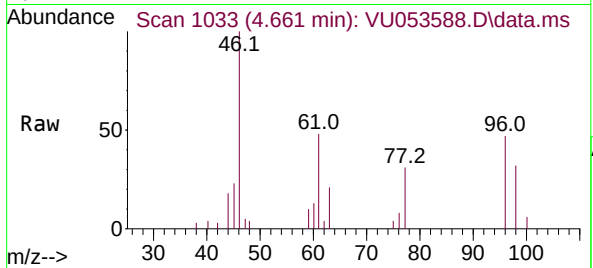
Ion	Ratio	Lower	Upper
96	100		
61	102.1	74.7	138.7
68	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#22

2-Butanone

Concen: 4.863 ug/L m

RT: 4.706 min Scan# 1047

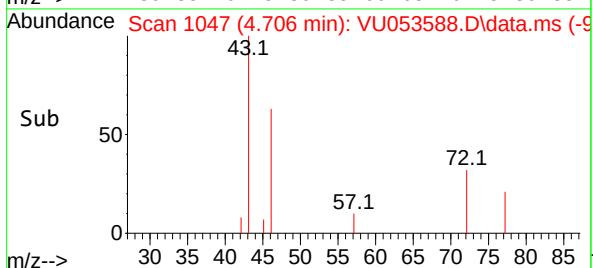
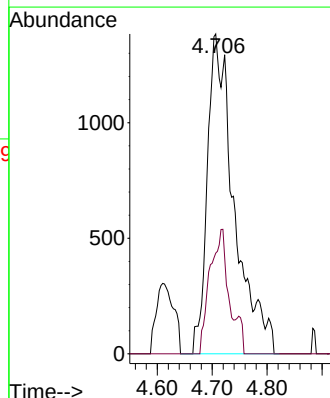
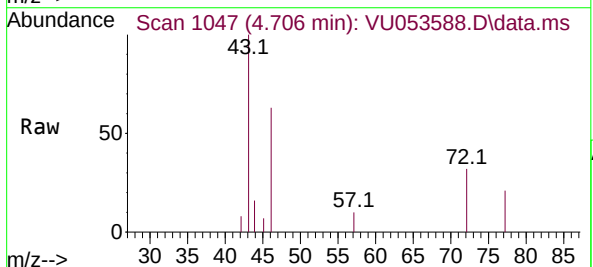
Delta R.T. 0.013 min

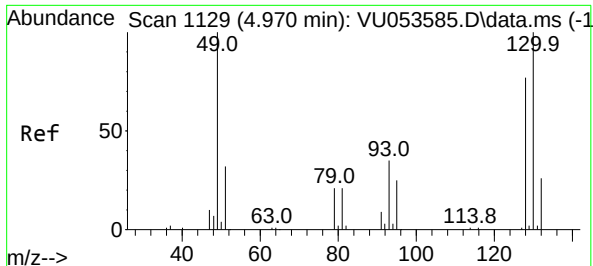
Lab File: VU053588.D

Acq: 06 Apr 2023 12:27

Tgt Ion: 43 Resp: 4705

Ion	Ratio	Lower	Upper
43	100		
72	25.2	15.8	47.3





#23

Bromochloromethane

Concen: 1.538 ug/L m

RT: 4.973 min Scan# 1129

Delta R.T. 0.003 min

Lab File: VU053588.D

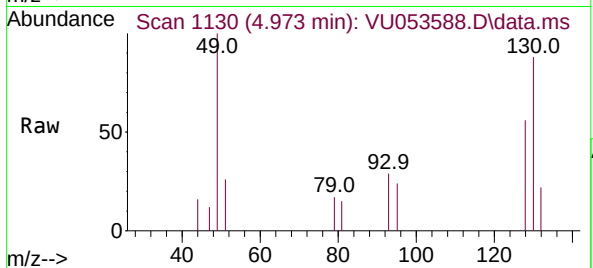
Acq: 06 Apr 2023 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-03



Tgt Ion:128 Resp: 1538

Ion Ratio Lower Upper

128 100

49 177.2 81.5 151.3

130 156.5 91.8 170.4

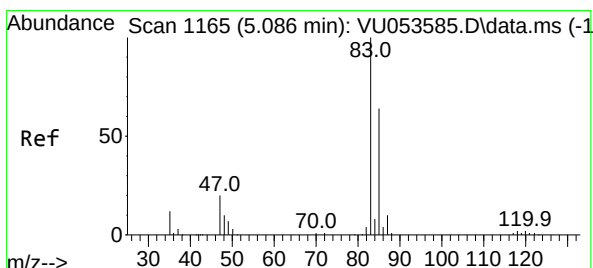
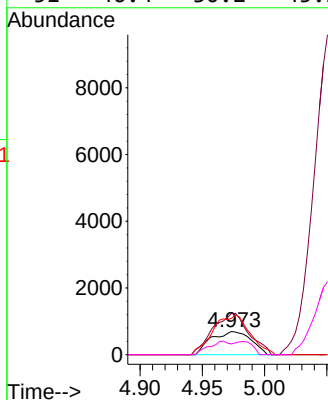
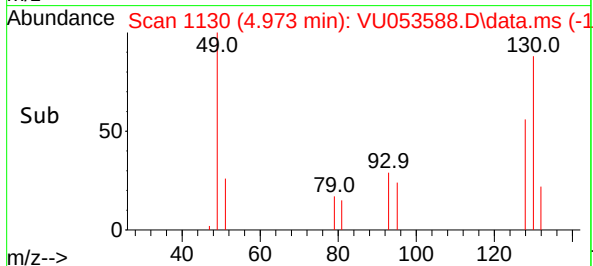
51 46.4 30.2 45.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#25

Chloroform

Concen: 2.573 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. 0.000 min

Lab File: VU053588.D

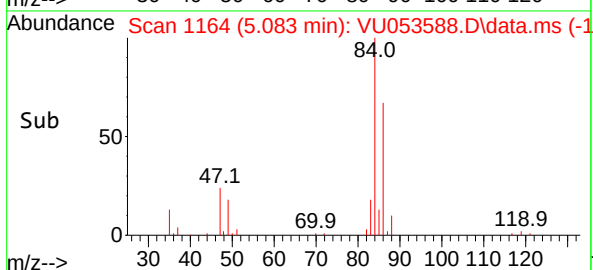
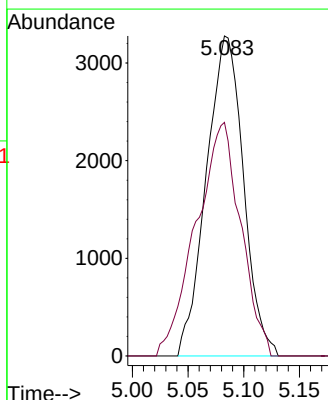
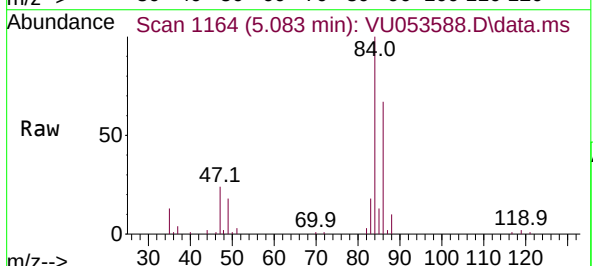
Acq: 06 Apr 2023 12:27

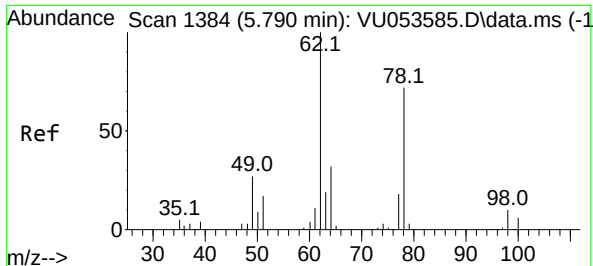
Tgt Ion: 83 Resp: 7597

Ion Ratio Lower Upper

83 100

85 73.0 46.1 85.5





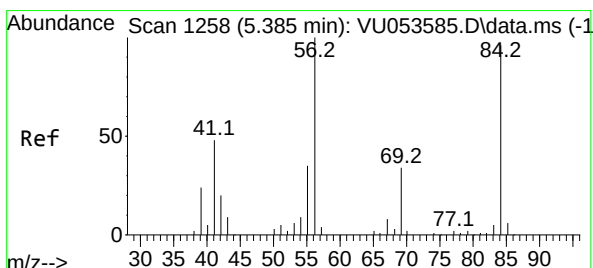
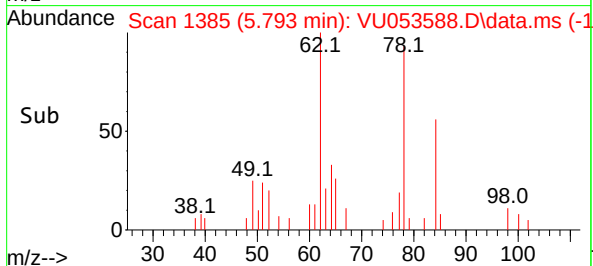
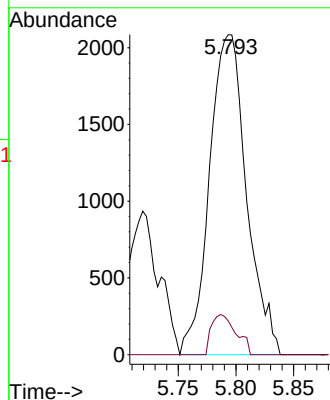
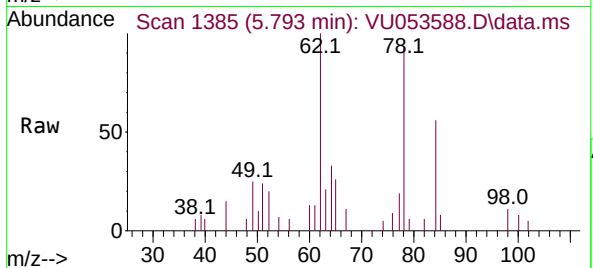
#27
1,2-Dichloroethane
Concen: 2.153 ug/L
RT: 5.793 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-03

Tgt Ion: 62 Resp: 465
Ion Ratio Lower Upper
62 100
98 10.6 8.3 12.5

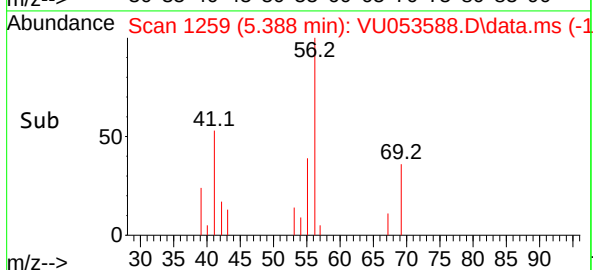
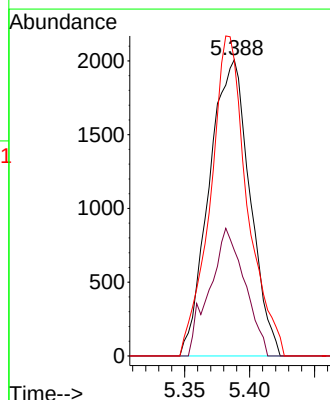
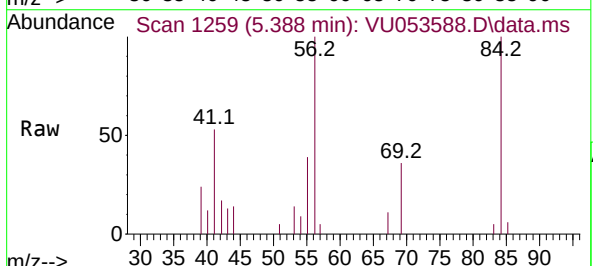
Manual Integrations
APPROVED

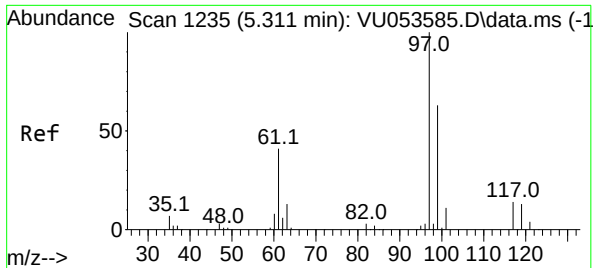
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#29
Cyclohexane
Concen: 1.922 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

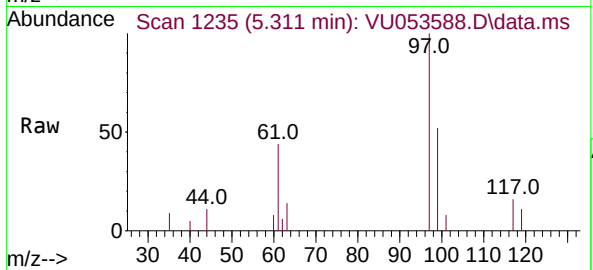
Tgt Ion: 56 Resp: 4375
Ion Ratio Lower Upper
56 100
69 33.7 27.3 40.9
84 97.7 81.3 121.9





#30
1,1,1-Trichloroethane
Concen: 1.803 ug/L
RT: 5.311 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

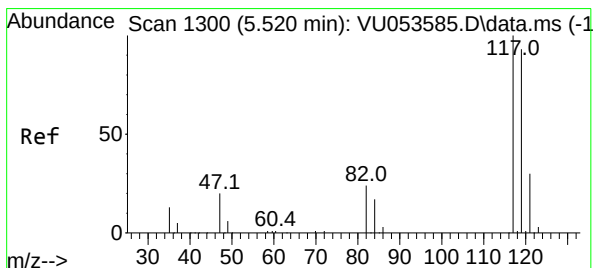
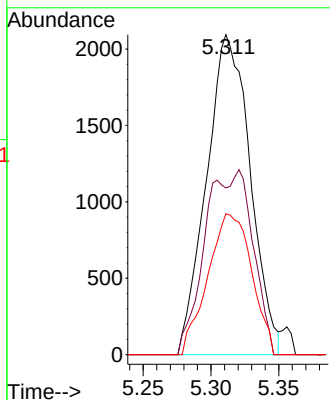
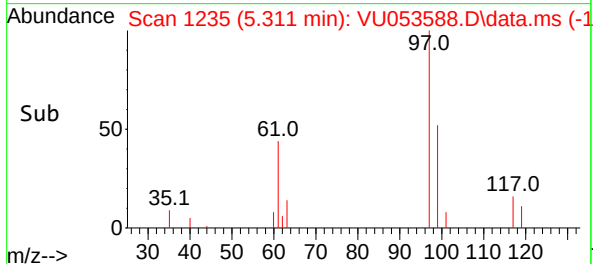
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-03



Tgt Ion: 97 Resp: 4698
Ion Ratio Lower Upper
97 100
99 31.3 51.6 77.4
61 44.1 31.0 46.4

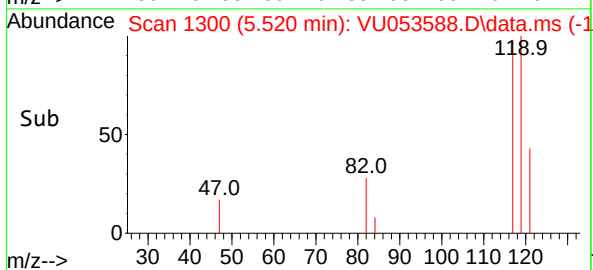
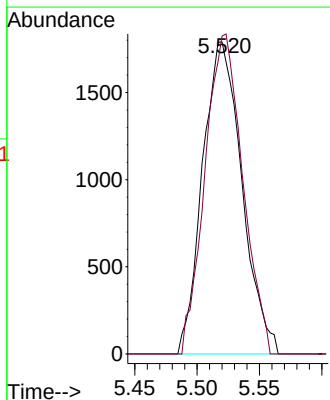
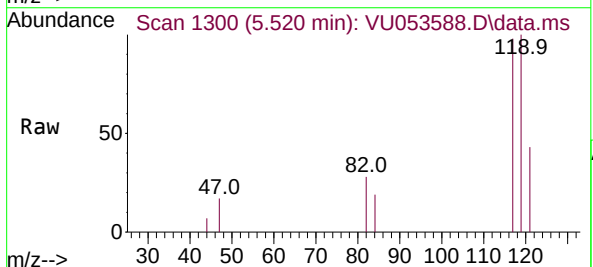
Manual Integrations
APPROVED

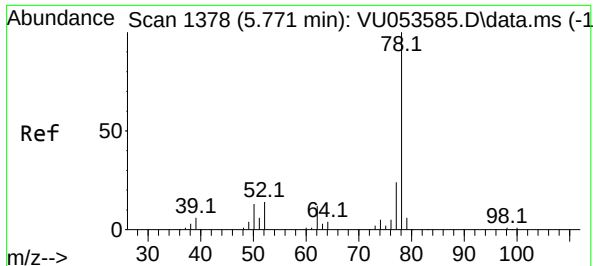
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#31
Carbon tetrachloride
Concen: 1.684 ug/L
RT: 5.520 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Tgt Ion:117 Resp: 3932
Ion Ratio Lower Upper
117 100
119 98.3 76.9 115.3





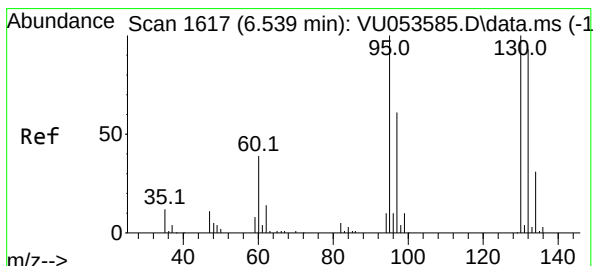
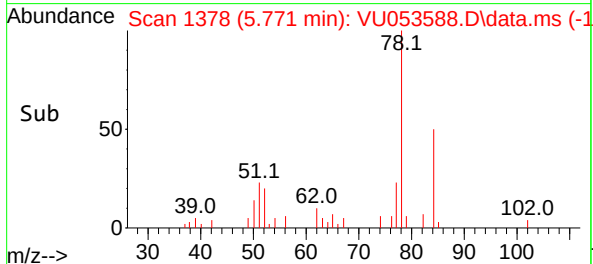
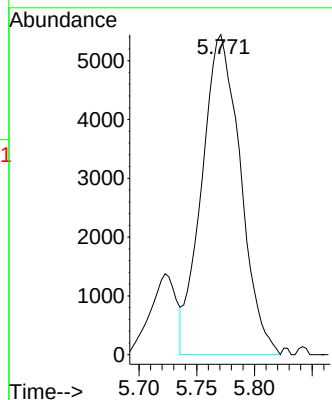
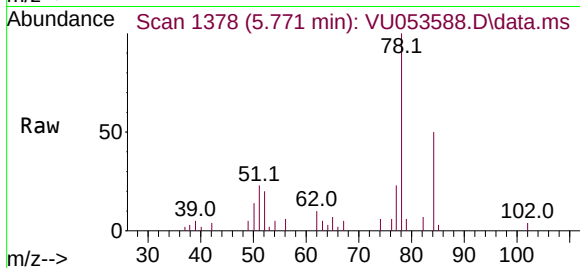
#33
Benzene
Concen: 2.055 ug/L
RT: 5.771 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2023-03

Tgt Ion: 78 Resp: 12660

Manual Integrations
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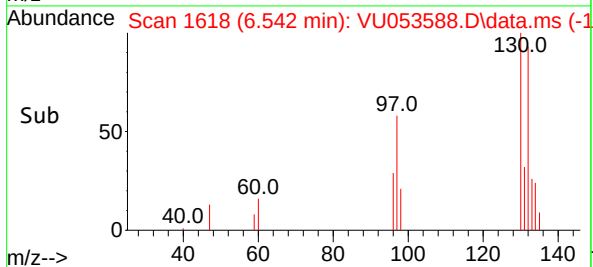
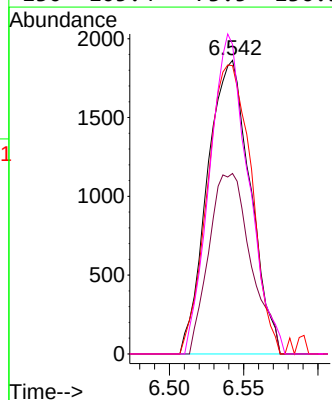
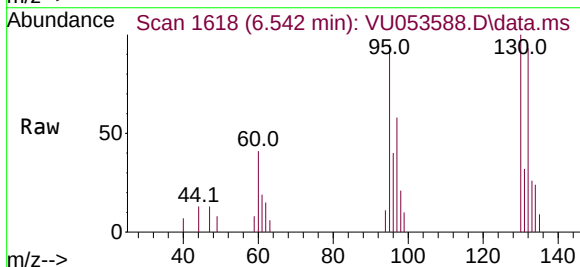
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

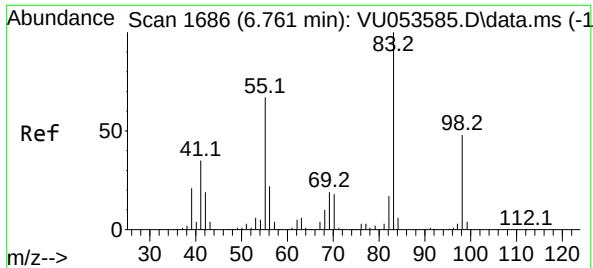


#34
Trichloroethene
Concen: 2.004 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Tgt Ion: 95 Resp: 3735

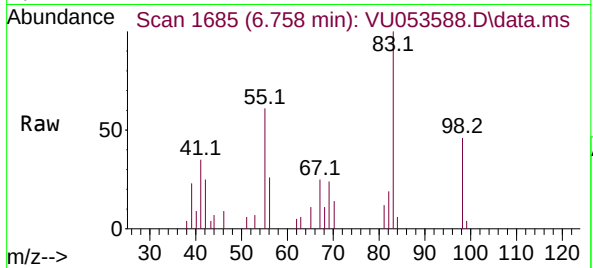
Ion	Ratio	Lower	Upper
95	100		
97	61.5	45.1	83.7
132	98.2	74.1	137.5
130	105.4	73.5	136.5





#35
Methylcyclohexane
Concen: 2.030 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

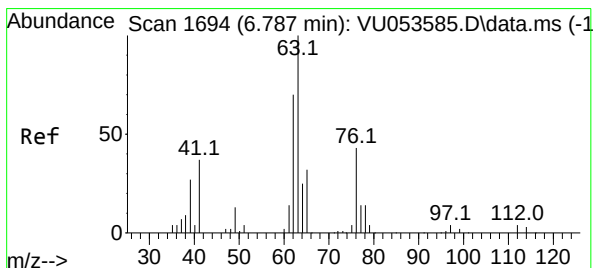
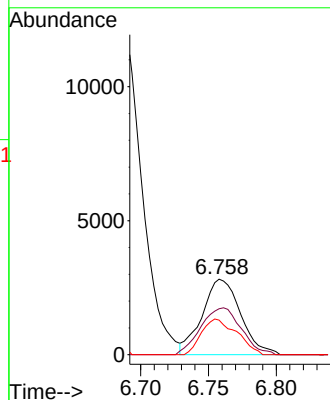
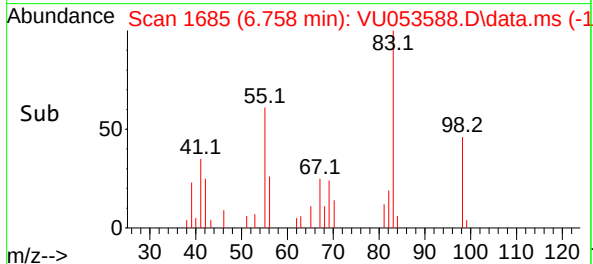
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2023-03



Tgt Ion: 83 Resp: 556
Ion Ratio Lower Upper
83 100
55 65.3 53.0 79.6
98 43.5 39.0 58.6

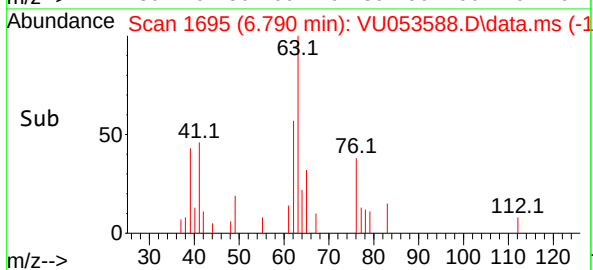
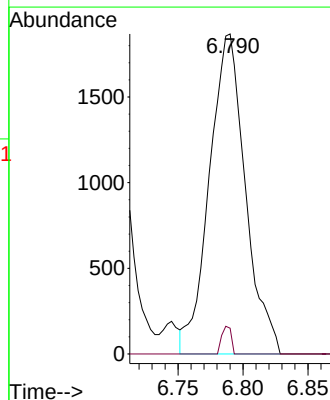
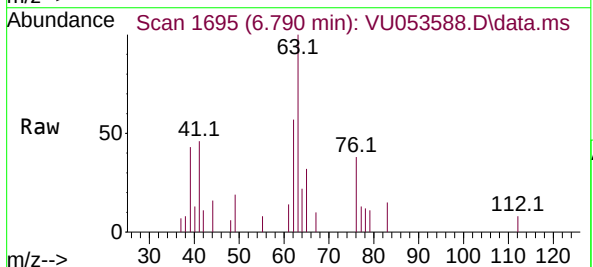
Manual Integrations
APPROVED

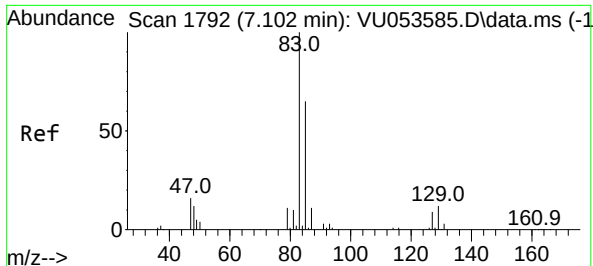
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#37
1,2-Dichloropropane
Concen: 2.296 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. 0.006 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

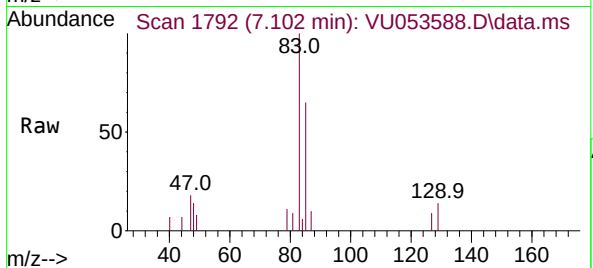
Tgt Ion: 63 Resp: 3592
Ion Ratio Lower Upper
63 100
112 2.3 3.8 5.6#





#38
Bromodichloromethane
Concen: 1.943 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

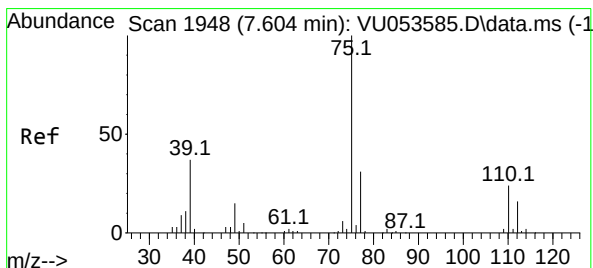
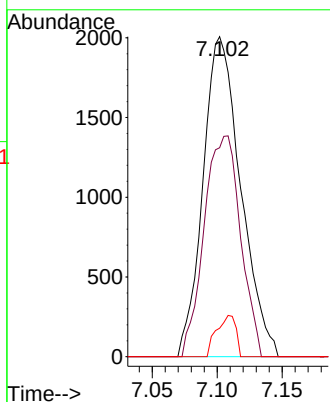
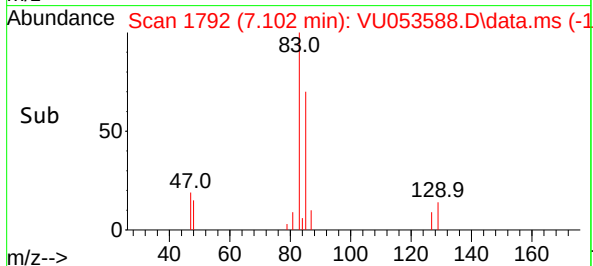
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-03



Tgt Ion: 83 Resp: 4058
Ion Ratio Lower Upper
83 100
85 65.3 44.4 82.5
127 8.9 8.0 12.0

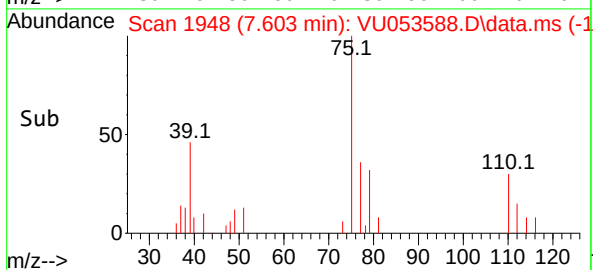
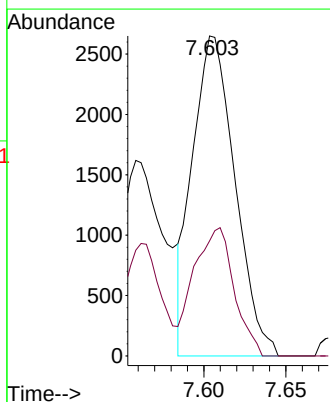
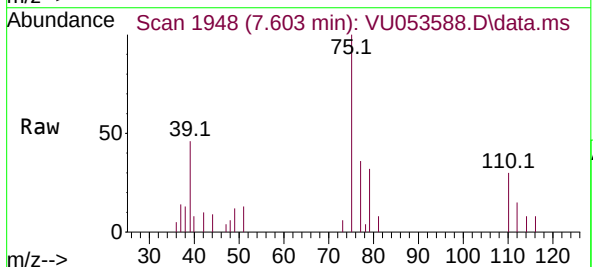
Manual Integrations
APPROVED

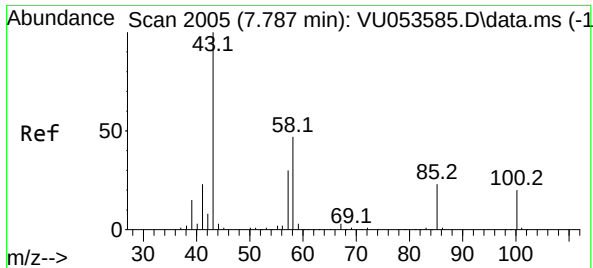
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#39
cis-1,3-Dichloropropene
Concen: 1.870 ug/L
RT: 7.603 min Scan# 1948
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Tgt Ion: 75 Resp: 4780
Ion Ratio Lower Upper
75 100
77 35.9 22.5 41.7





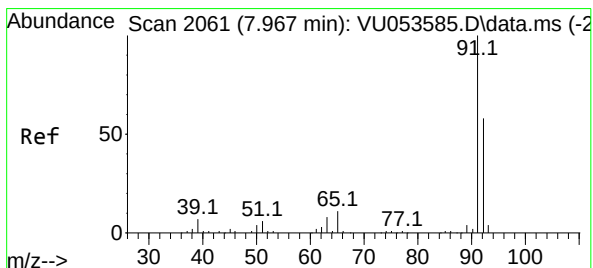
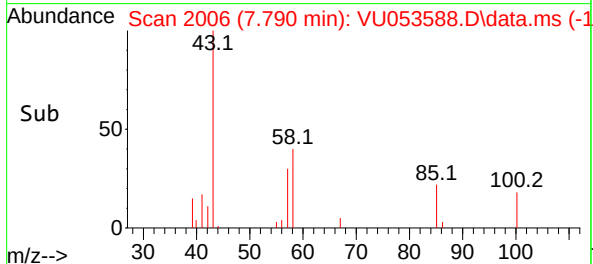
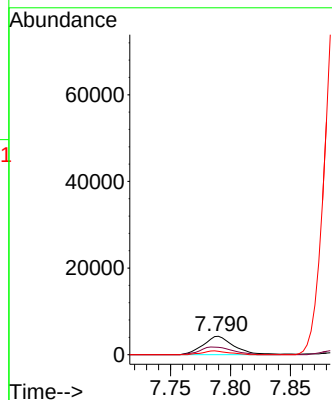
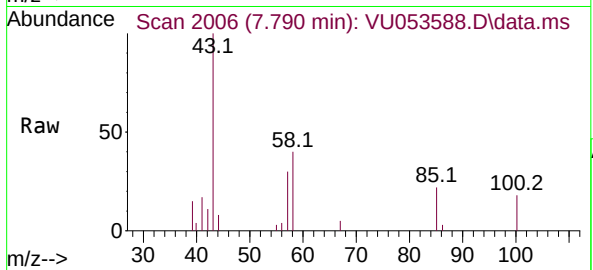
#40
4-Methyl-2-pentanone
Concen: 4.434 ug/L
RT: 7.790 min Scan# 2005
Delta R.T. 0.006 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2023-03

Tgt Ion: 43 Resp: 7538
Ion Ratio Lower Upper
43 100
58 43.9 35.5 53.3
100 17.6 15.8 23.8

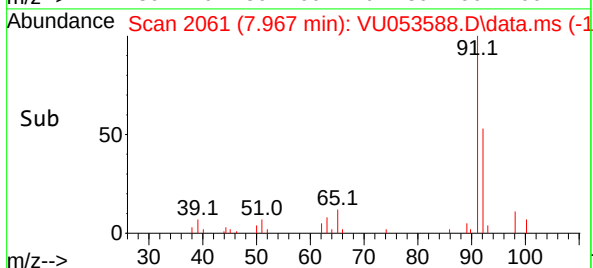
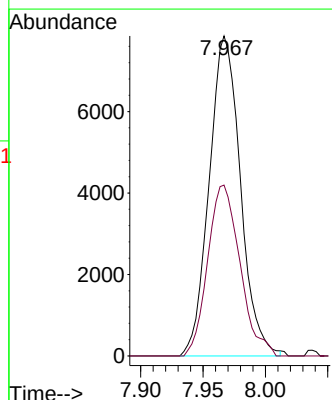
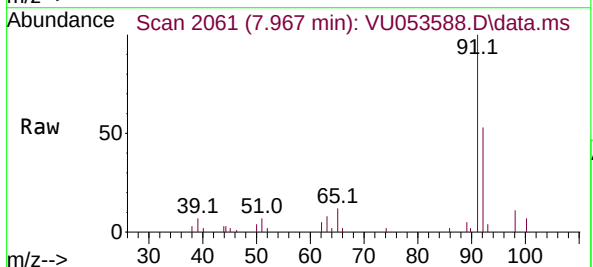
Manual Integrations
APPROVED

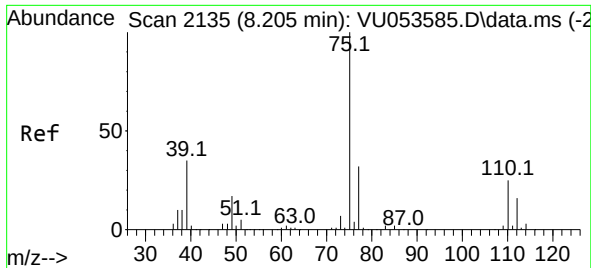
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#42
Toluene
Concen: 1.962 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

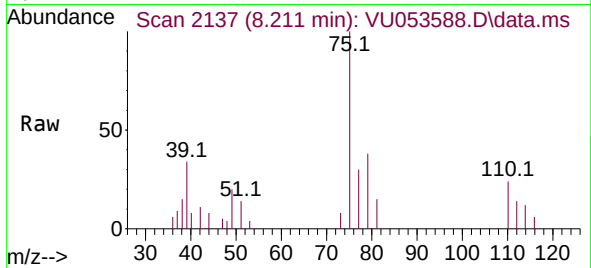
Tgt Ion: 91 Resp: 13695
Ion Ratio Lower Upper
91 100
92 53.4 39.8 73.8





#44
trans-1,3-Dichloropropene
Concen: 1.957 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. 0.006 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

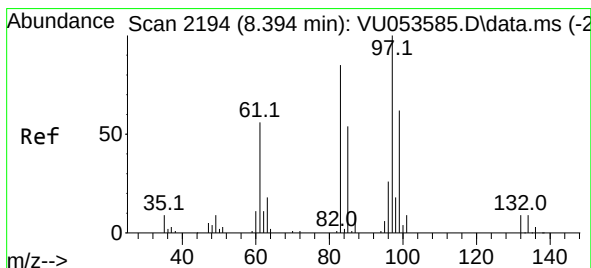
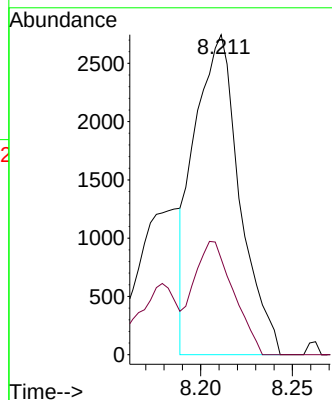
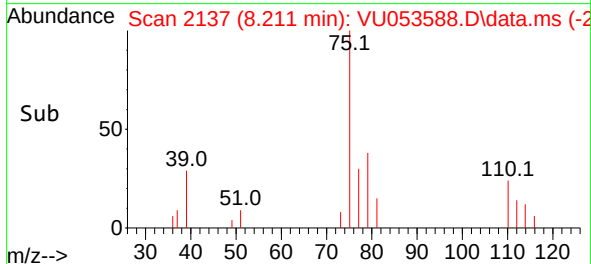
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-03



Tgt Ion: 75 Resp: 4729
Ion Ratio Lower Upper
75 100
77 30.0 21.8 40.4

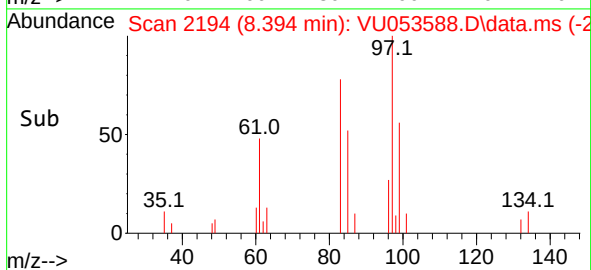
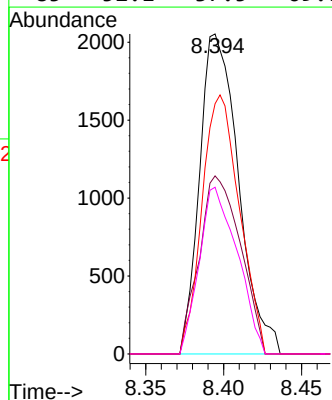
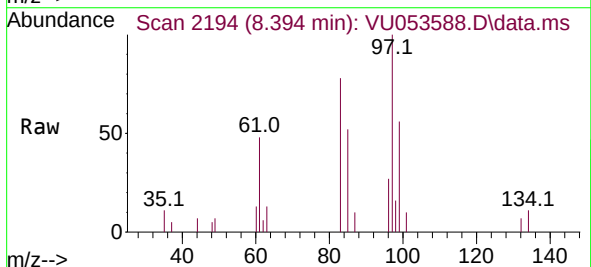
Manual Integrations
APPROVED

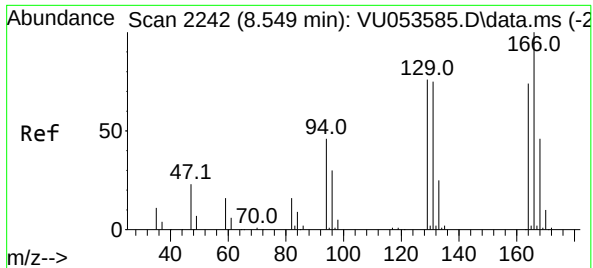
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#45
1,1,2-Trichloroethane
Concen: 2.075 ug/L
RT: 8.394 min Scan# 2194
Delta R.T. 0.000 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

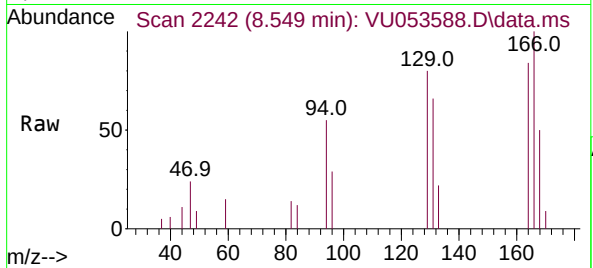
Tgt Ion: 97 Resp: 3564
Ion Ratio Lower Upper
97 100
99 55.6 43.8 81.3
83 78.2 59.0 109.6
85 52.1 37.5 69.7





#46
Tetrachloroethene
Concen: 1.877 ug/L
RT: 8.549 min Scan# 214
Delta R.T. 0.000 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

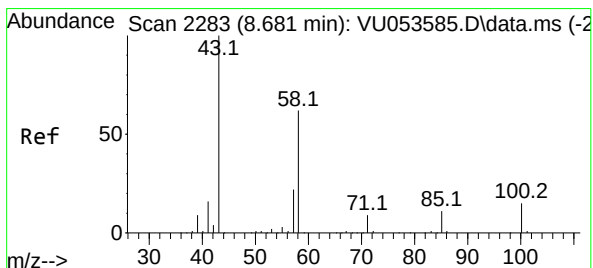
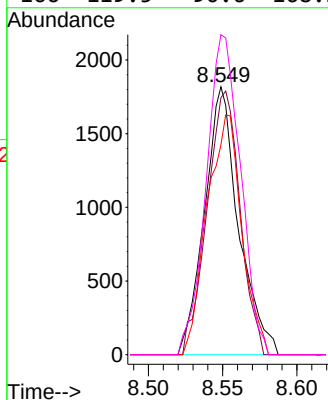
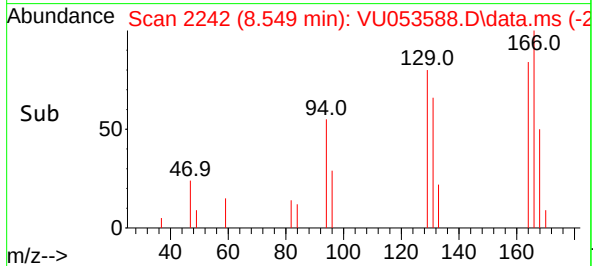
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-03



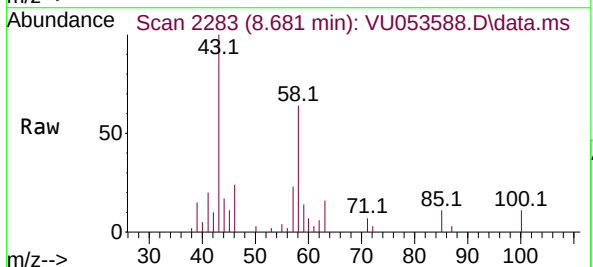
Tgt Ion:164 Resp: 2902
Ion Ratio Lower Upper
164 100
129 95.9 64.0 119.0
131 78.3 61.9 115.1
166 119.5 90.6 168.2

Manual Integrations
APPROVED

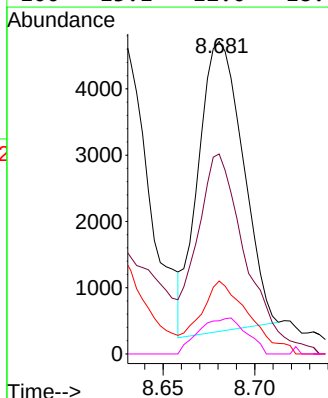
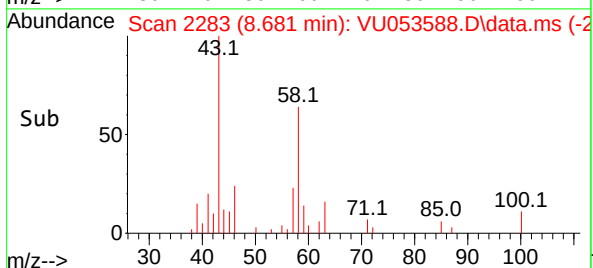
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

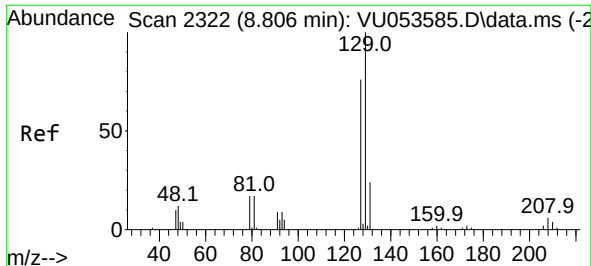


#48
2-Hexanone
Concen: 5.400 ug/L
RT: 8.681 min Scan# 2283
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27



Tgt Ion: 43 Resp: 7426
Ion Ratio Lower Upper
43 100
58 75.9 49.8 74.6#
57 21.5 17.8 26.6
100 13.1 12.0 18.0





#49

Dibromochloromethane

Concen: 1.533 ug/L

RT: 8.806 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053588.D

Acq: 06 Apr 2023 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-03

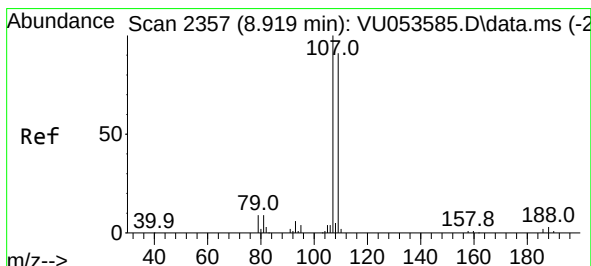
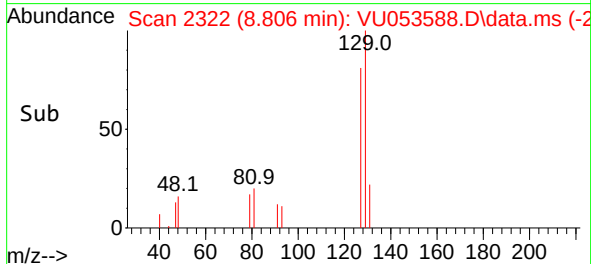
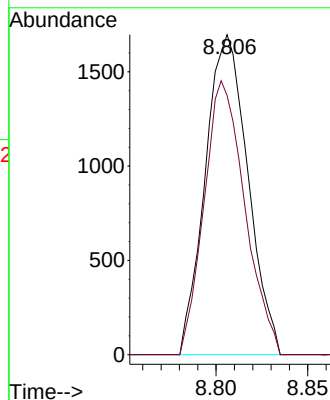
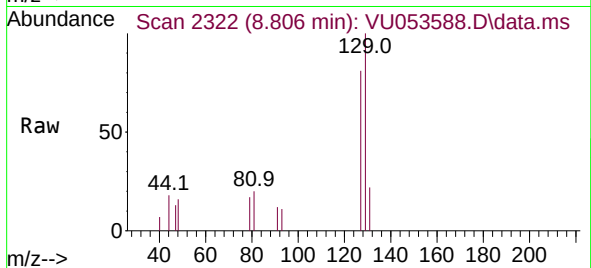
Tgt Ion:129 Resp: 273
 Ion Ratio Lower Upper
 129 100
 127 81.0 53.5 99.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#50

1,2-Dibromoethane

Concen: 1.788 ug/L

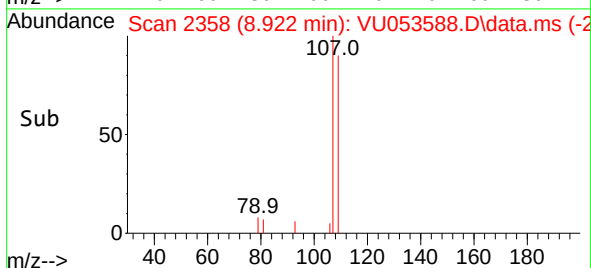
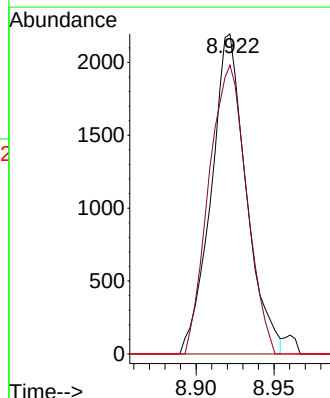
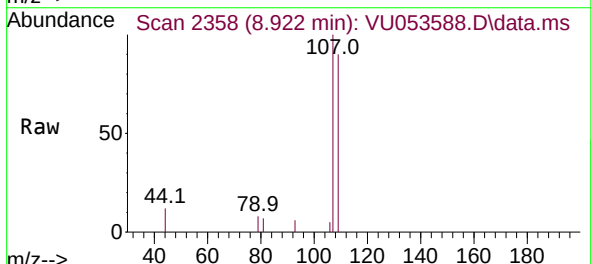
RT: 8.922 min Scan# 2358

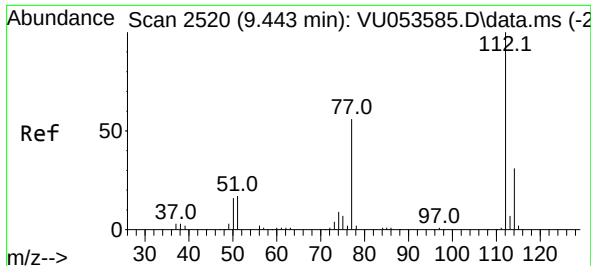
Delta R.T. 0.003 min

Lab File: VU053588.D

Acq: 06 Apr 2023 12:27

Tgt Ion:107 Resp: 3436
 Ion Ratio Lower Upper
 107 100
 109 90.3 66.3 123.1
 188 0.0 3.0 4.4#





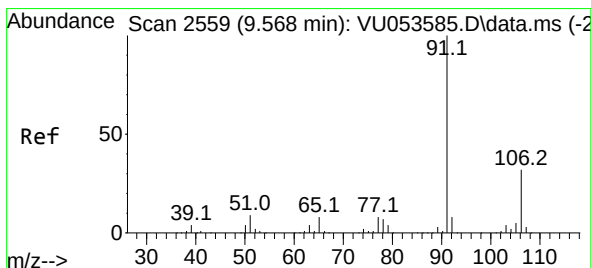
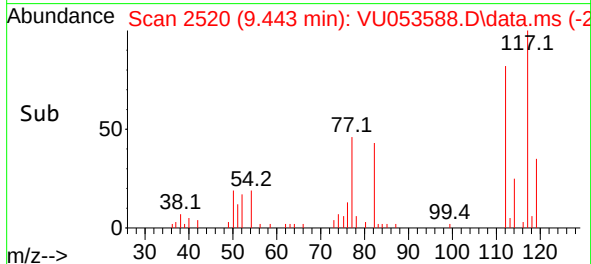
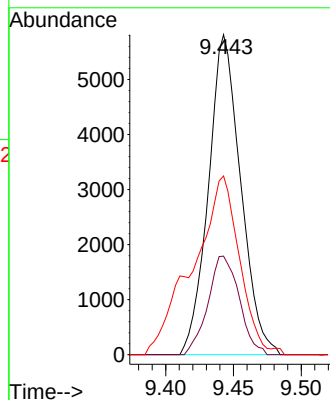
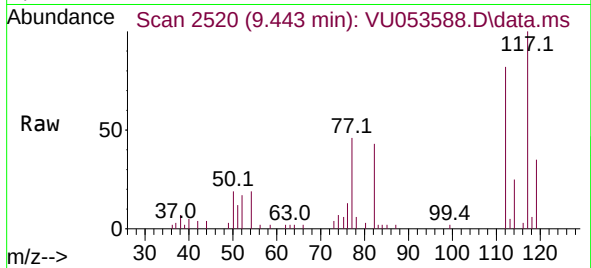
#51
Chlorobenzene
Concen: 2.003 ug/L
RT: 9.443 min Scan# 2520
Delta R.T. 0.000 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2023-03

Tgt Ion:112 Resp: 9634
Ion Ratio Lower Upper
112 100
114 30.8 22.2 41.2
77 55.8 41.3 61.9

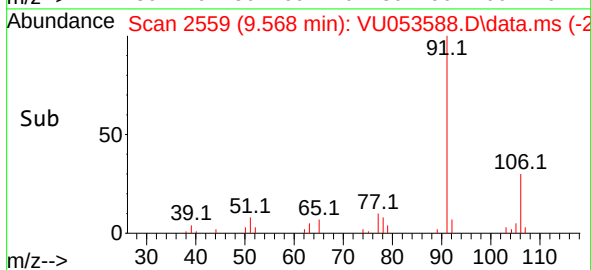
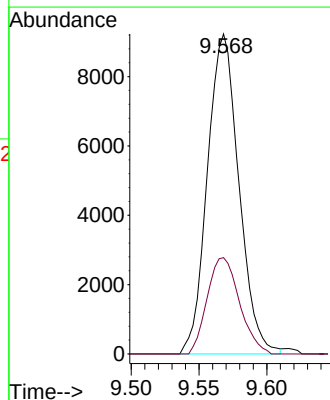
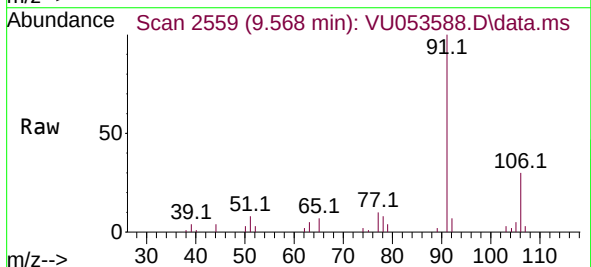
Manual Integrations
APPROVED

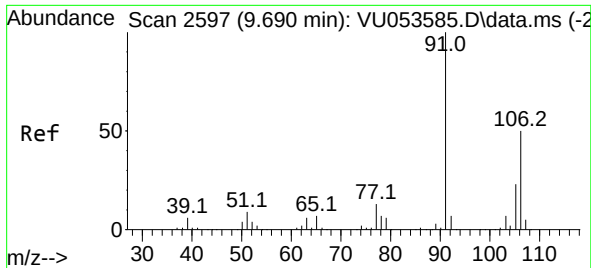
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#52
Ethylbenzene
Concen: 1.919 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Tgt Ion: 91 Resp: 14912
Ion Ratio Lower Upper
91 100
106 30.1 22.4 41.6





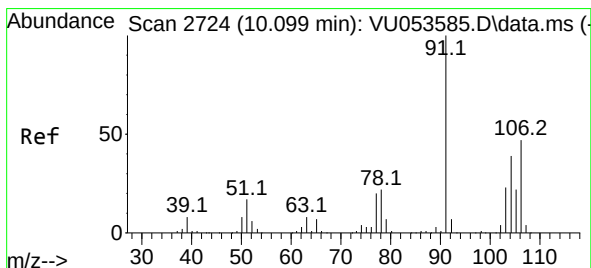
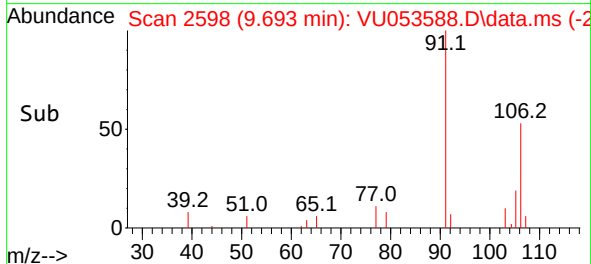
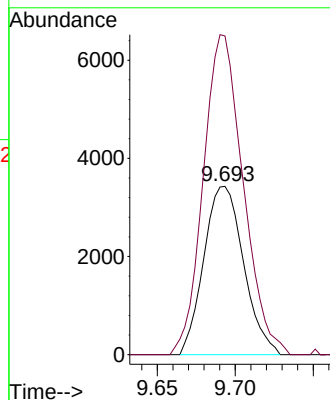
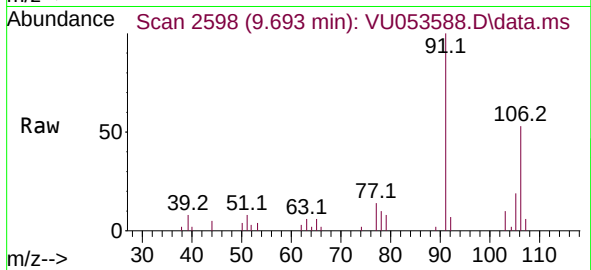
#53
m,p-Xylene
Concen: 2.000 ug/L
RT: 9.693 min Scan# 2597
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2023-03

Tgt Ion:106 Resp: 6078
Ion Ratio Lower Upper
106 100
91 189.3 140.0 260.0

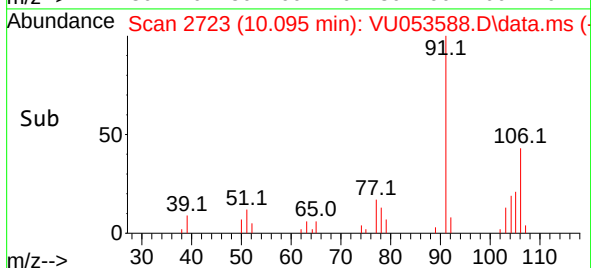
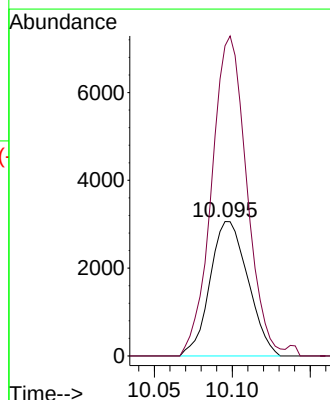
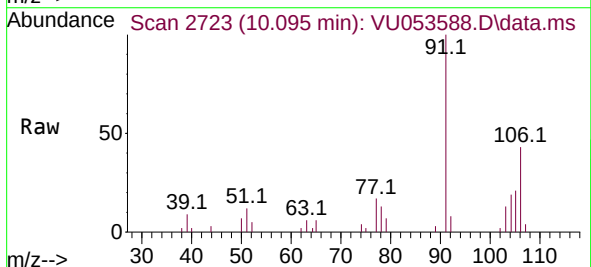
Manual Integrations
APPROVED

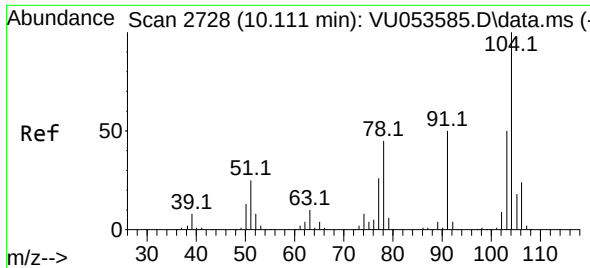
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#54
o-xylene
Concen: 1.728 ug/L
RT: 10.095 min Scan# 2723
Delta R.T. 0.000 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Tgt Ion:106 Resp: 5192
Ion Ratio Lower Upper
106 100
91 230.8 144.9 269.1





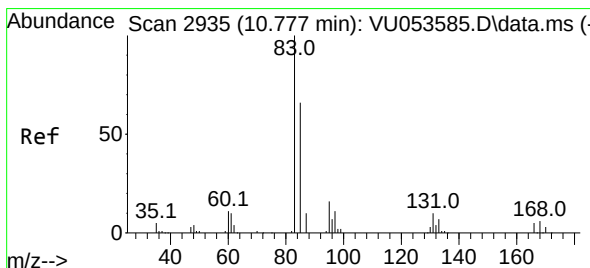
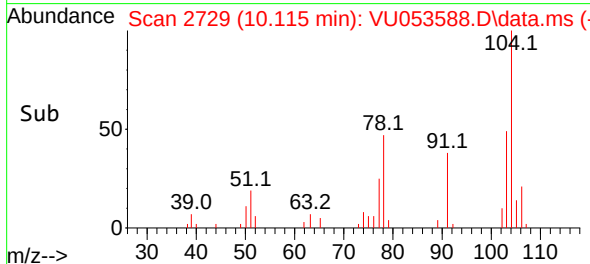
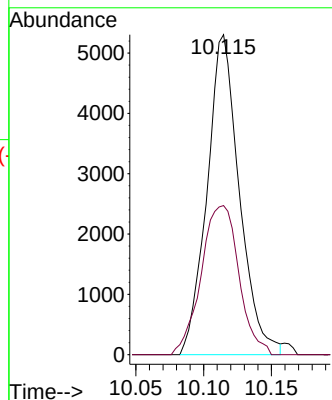
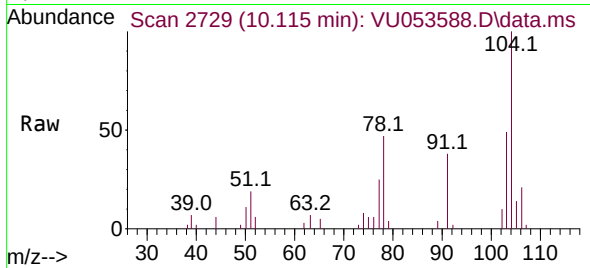
#55
Styrene
Concen: 1.797 ug/L
RT: 10.115 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-03

Tgt Ion:104 Resp: 8794
Ion Ratio Lower Upper
104 100
78 46.6 31.3 58.1

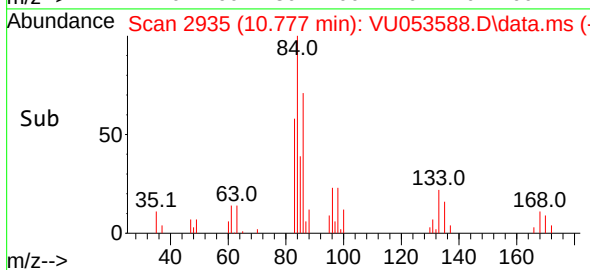
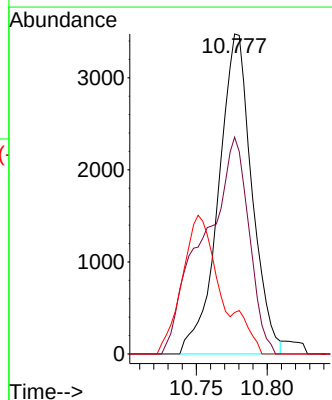
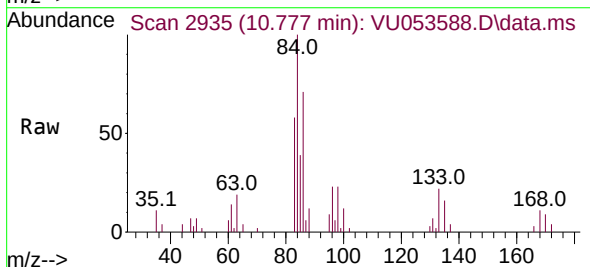
Manual Integrations
APPROVED

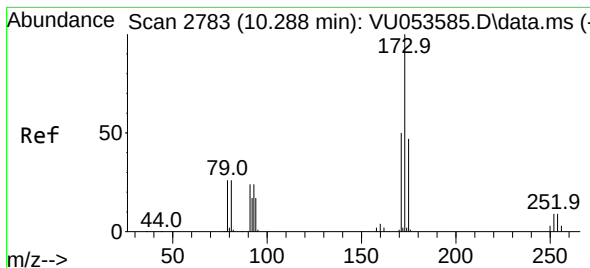
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#57
1,1,2,2-Tetrachloroethane
Concen: 2.262 ug/L
RT: 10.777 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

Tgt Ion: 83 Resp: 5703
Ion Ratio Lower Upper
83 100
85 67.8 47.0 87.4
131 13.0 8.7 13.1





#59

Bromoform

Concen: 1.478 ug/L

RT: 10.288 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU053588.D

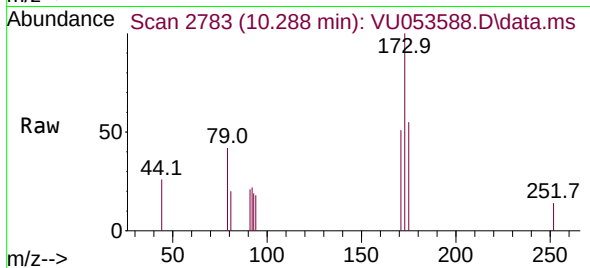
Acq: 06 Apr 2023 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-03



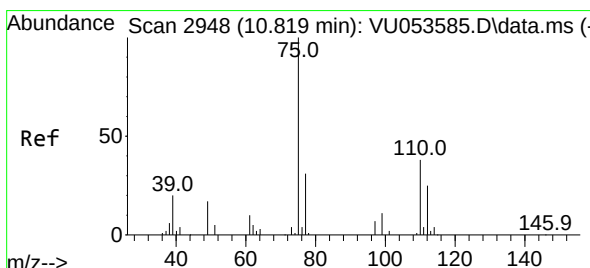
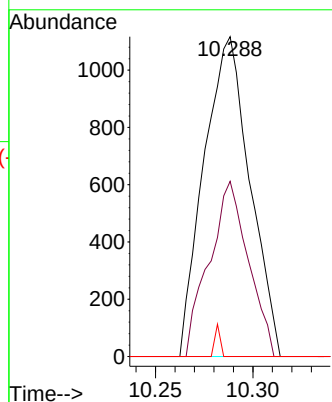
Tgt Ion:	173	Resp:	183
Ion Ratio	Lower	Upper	
173	100		
175	46.6	39.0	58.6
254	0.0	7.0	10.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#60

1,2,3-Trichloropropane

Concen: 2.527 ug/L

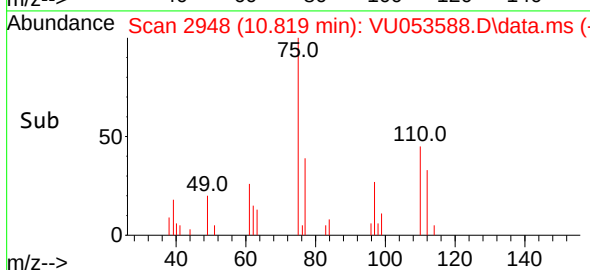
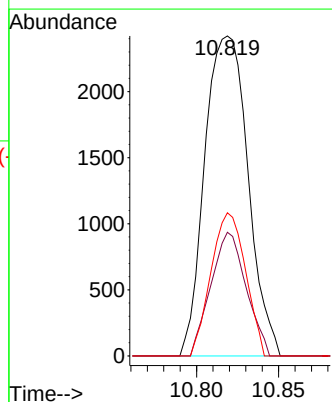
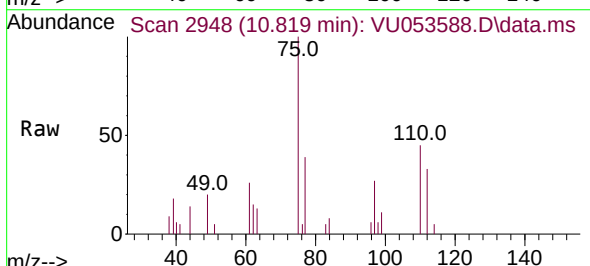
RT: 10.819 min Scan# 2948

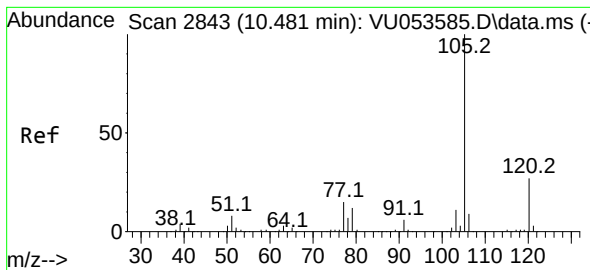
Delta R.T. 0.003 min

Lab File: VU053588.D

Acq: 06 Apr 2023 12:27

Tgt Ion:	75	Resp:	4435
Ion Ratio	Lower	Upper	
75	100		
77	31.5	26.0	39.0
110	35.7	32.6	48.8





#61

Isopropylbenzene

Concen: 1.831 ug/L

RT: 10.481 min Scan# 2843

Delta R.T. 0.003 min

Lab File: VU053588.D

Acq: 06 Apr 2023 12:27

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2023-03

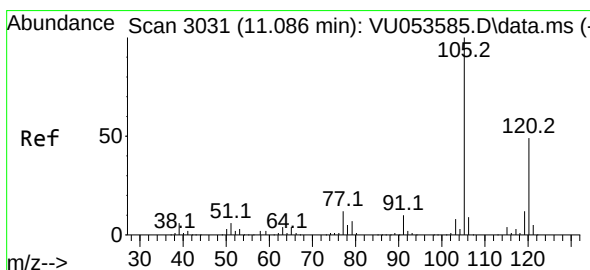
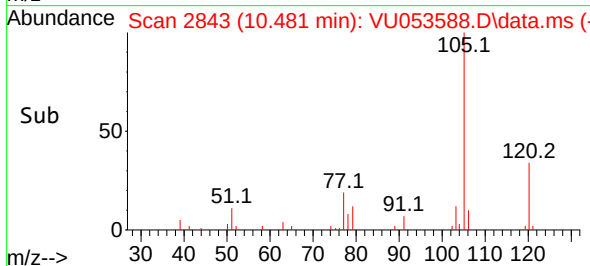
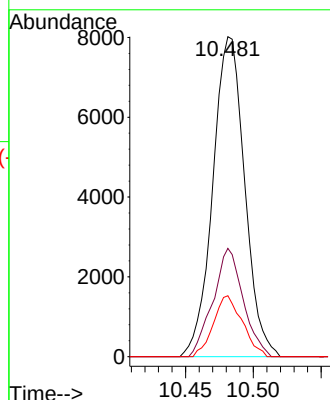
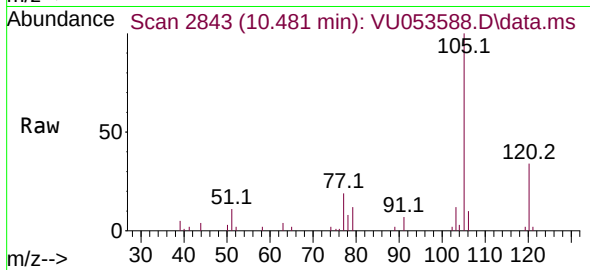
Tgt Ion:	105	Resp:	13109
Ion Ratio	Lower	Upper	
105	100		
120	32.0	22.4	33.6
77	17.3	12.1	18.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/07/2023

Supervised By :Mahesh Dadoda 04/07/2023



#62

1,3,5-Trimethylbenzene

Concen: 1.752 ug/L

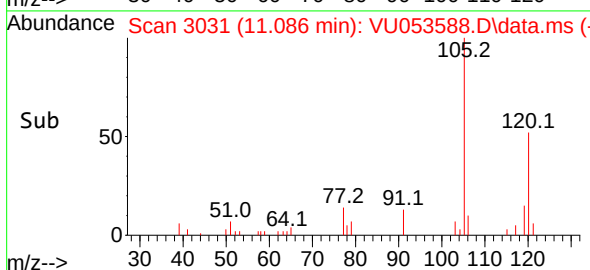
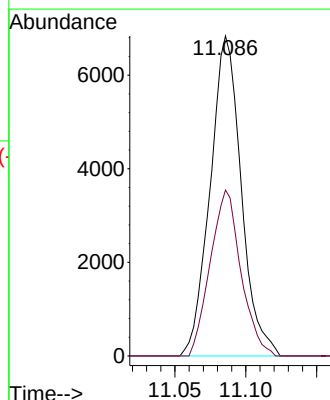
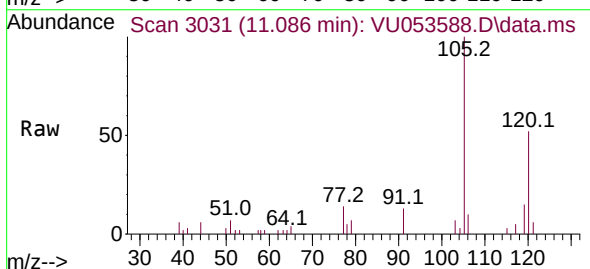
RT: 11.086 min Scan# 3031

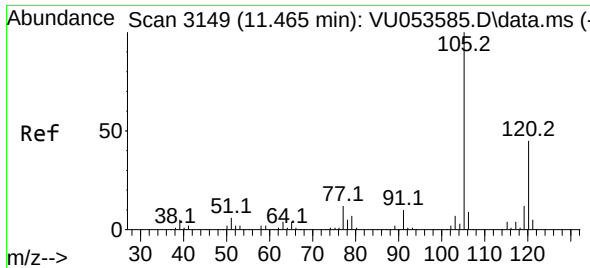
Delta R.T. 0.003 min

Lab File: VU053588.D

Acq: 06 Apr 2023 12:27

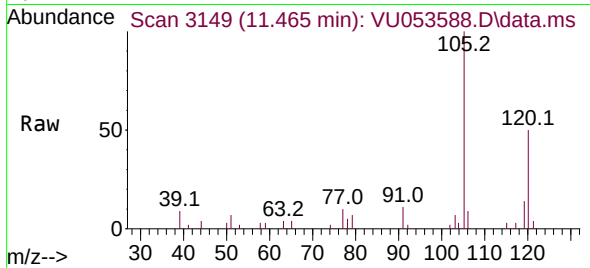
Tgt Ion:	105	Resp:	10425
Ion Ratio	Lower	Upper	
105	100		
120	51.1	39.5	59.3





#63
1,2,4-Trimethylbenzene
Concen: 1.803 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

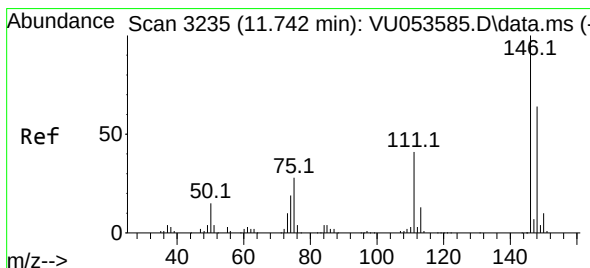
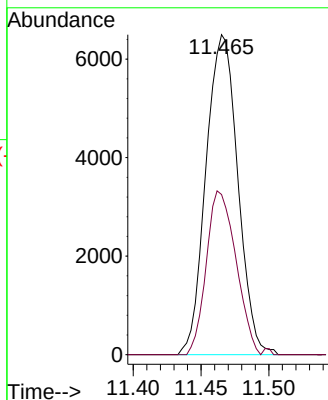
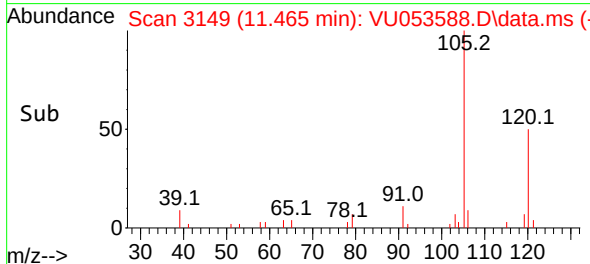
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-03



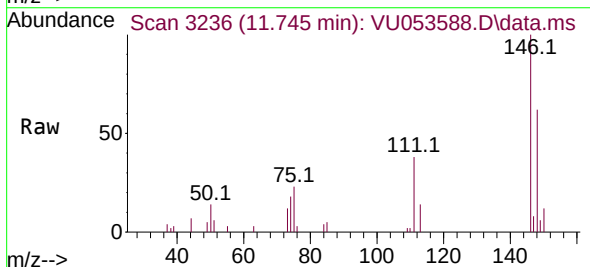
Tgt Ion:105 Resp: 10628
Ion Ratio Lower Upper
105 100
120 47.5 37.5 56.3

Manual Integrations
APPROVED

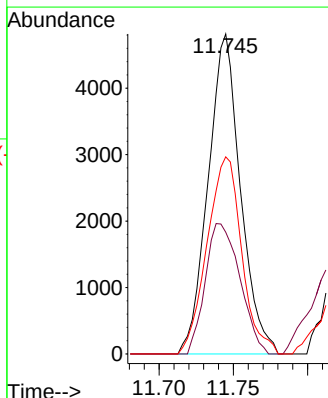
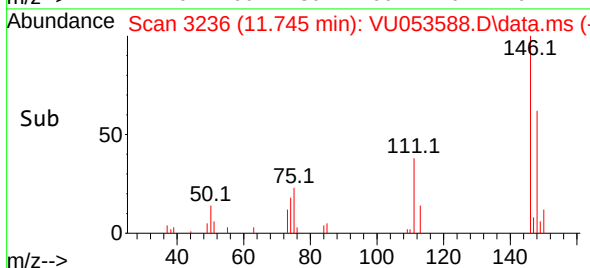
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

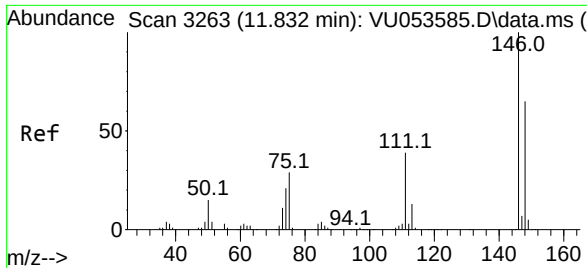


#64
1,3-Dichlorobenzene
Concen: 1.952 ug/L
RT: 11.745 min Scan# 3236
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27



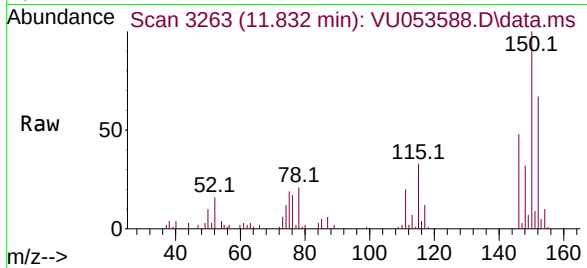
Tgt Ion:146 Resp: 7299
Ion Ratio Lower Upper
146 100
111 38.0 25.7 47.7
148 61.6 44.2 82.2





#65
1,4-Dichlorobenzene
Concen: 2.319 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

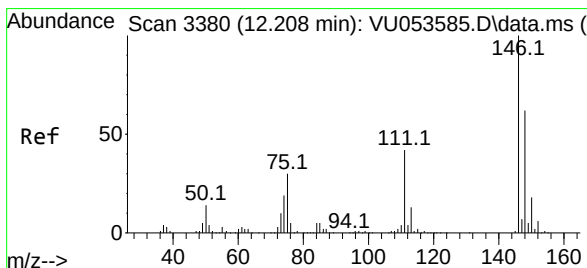
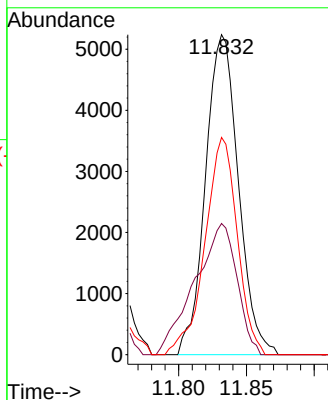
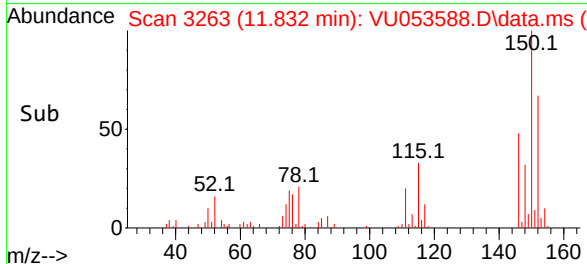
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2023-03



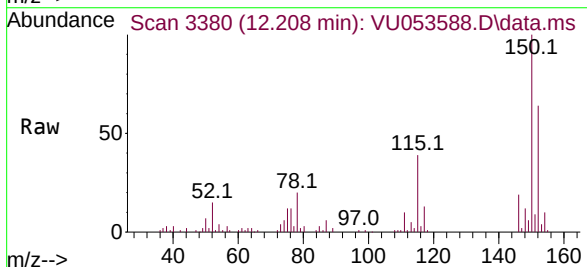
Tgt Ion:146 Resp: 8838
Ion Ratio Lower Upper
146 100
111 41.0 25.1 46.5
148 67.9 44.3 82.3

Manual Integrations
APPROVED

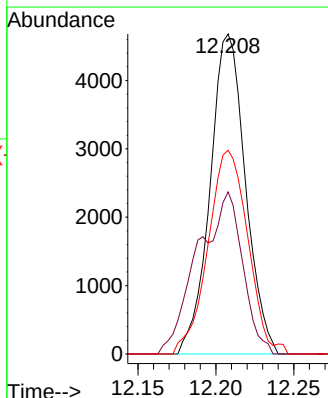
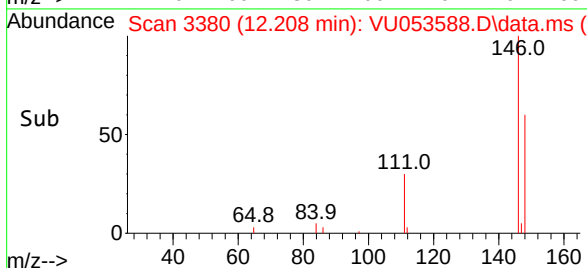
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023

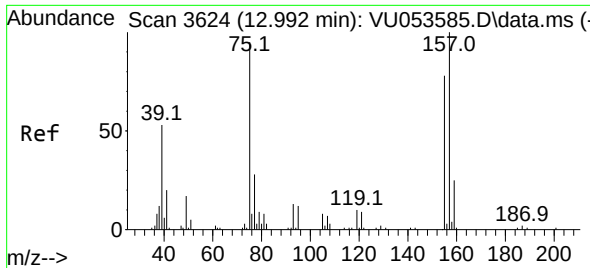


#67
1,2-Dichlorobenzene
Concen: 1.980 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27



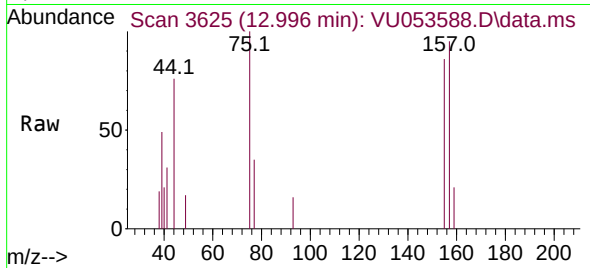
Tgt Ion:146 Resp: 7381
Ion Ratio Lower Upper
146 100
111 50.7 31.5 47.3#
148 63.6 51.6 77.4





#68
1,2-Dibromo-3-chloropropane
Concen: 2.094 ug/L m
RT: 12.996 min Scan# 3625
Delta R.T. 0.006 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

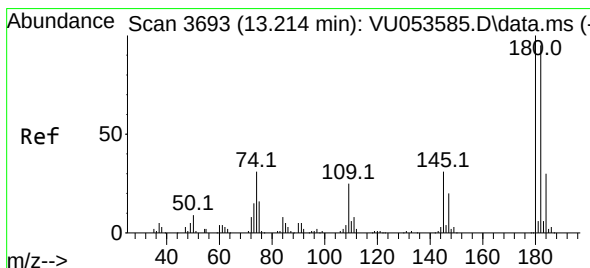
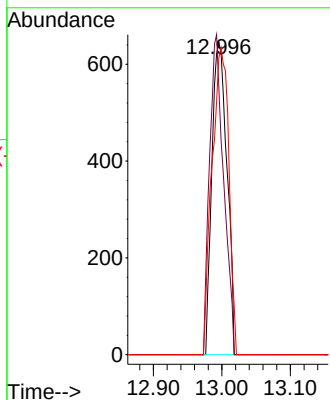
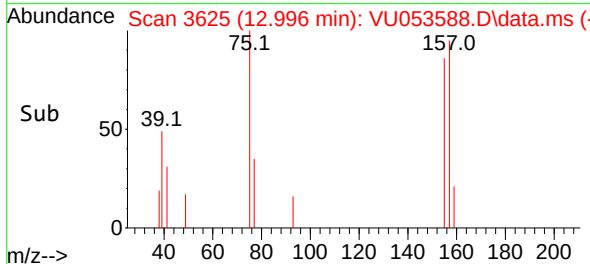
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-03



Tgt Ion: 75 Resp: 980
Ion Ratio Lower Upper
75 100
155 85.6 79.9 119.9
157 95.0 100.8 151.2

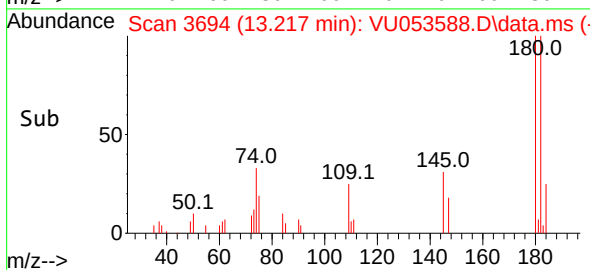
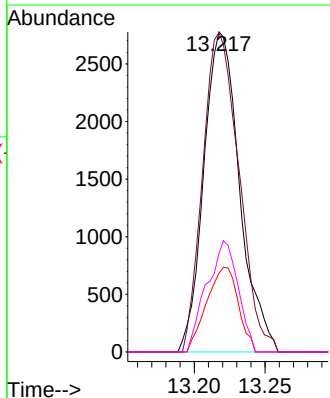
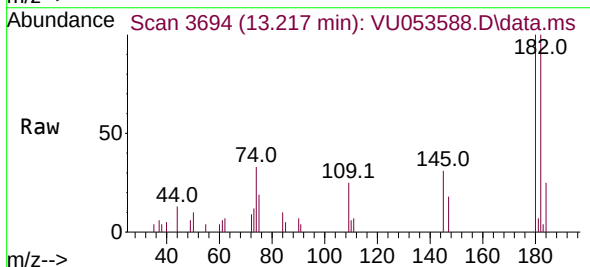
Manual Integrations
APPROVED

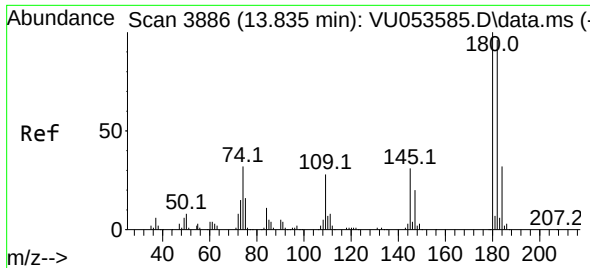
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#69
1,3,5-Trichlorobenzene
Concen: 1.758 ug/L
RT: 13.217 min Scan# 3694
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

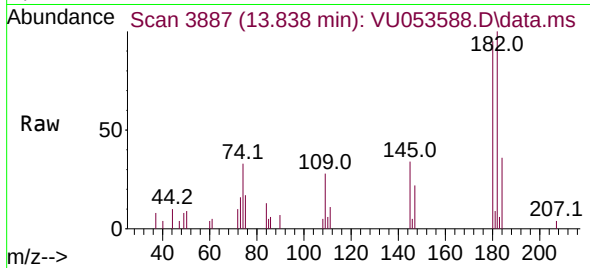
Tgt Ion:180 Resp: 4869
Ion Ratio Lower Upper
180 100
182 101.0 75.6 113.4
184 23.4 24.2 36.2#
145 30.5 22.6 33.8





#70
1,2,4-trichlorobenzene
Concen: 1.999 ug/L
RT: 13.838 min Scan# 3886
Delta R.T. 0.003 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

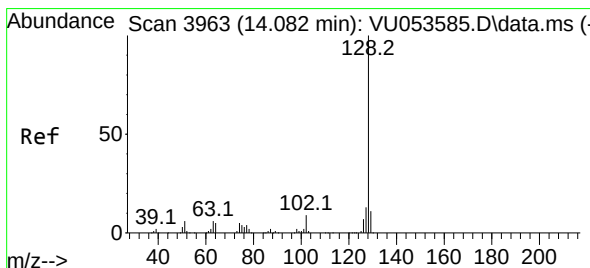
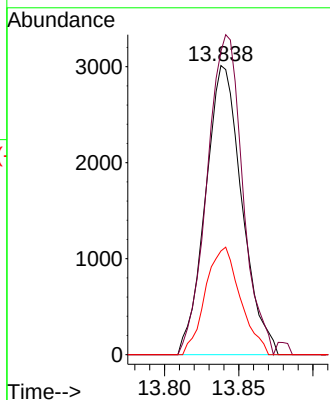
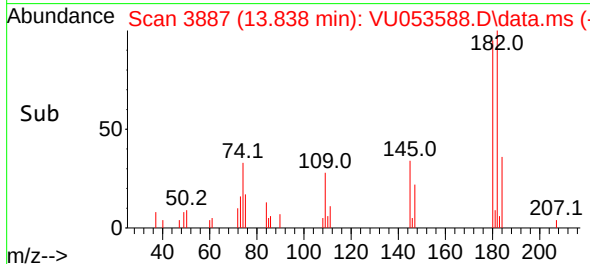
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2023-03



Tgt Ion:180 Resp: 513
Ion Ratio Lower Upper
180 100
182 107.8 75.8 113.8
145 35.7 23.4 35.2

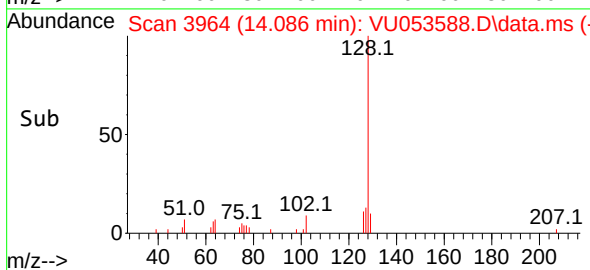
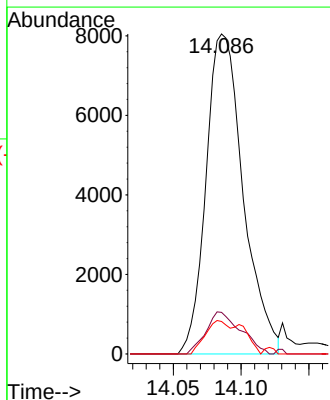
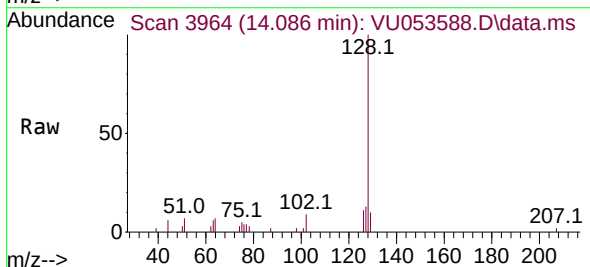
Manual Integrations
APPROVED

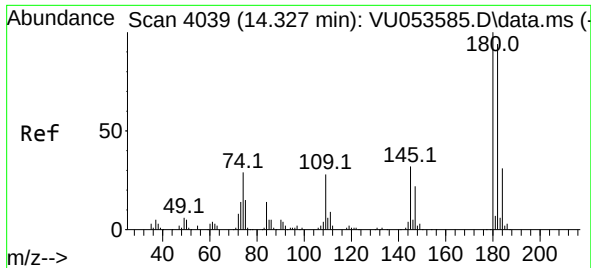
Reviewed By :Krupa Patel 04/07/2023
Supervised By :Mahesh Dadoda 04/07/2023



#71
Naphthalene
Concen: 1.997 ug/L
RT: 14.086 min Scan# 3964
Delta R.T. 0.006 min
Lab File: VU053588.D
Acq: 06 Apr 2023 12:27

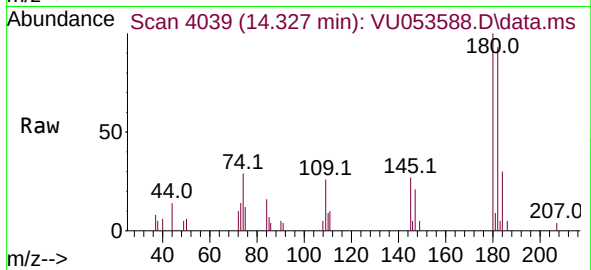
Tgt Ion:128 Resp: 15352
Ion Ratio Lower Upper
128 100
127 12.4 10.2 15.2
129 6.6 8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 1.863 ug/L
 RT: 14.327 min Scan# 4039
 Delta R.T. 0.003 min
 Lab File: VU053588.D
 Acq: 06 Apr 2023 12:27

Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2023-03



Tgt Ion:	180	Resp:	4778
Ion Ratio	Lower	Upper	
180	100		
182	94.5	77.0	115.6
145	14.3	25.4	38.0

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/07/2023
 Supervised By :Mahesh Dadoda 04/07/2023

