

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022223\
 Data File : VW030080.D
 Acq On : 22 Feb 2023 15:36
 Operator : SY/MD
 Sample : 01378-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Feb 22 23:25:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 22 23:16:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	382204	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	366849	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	219642	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	156117	57.452	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 114.900%			
7) Chloroethane-d5	1.535	69	129149	62.113	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 124.220%			
11) 1,1-Dichloroethene-d2	2.063	63	212944	40.964	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 81.920%			
21) 2-Butanone-d5	3.793	46	157226	92.714	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 92.710%			
24) Chloroform-d	4.256	84	254381	50.363	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.720%			
26) 1,2-Dichloroethane-d4	4.947	65	154232	51.659	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.320%			
32) Benzene-d6	4.966	84	521220	53.497	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.000%			
36) 1,2-Dichloropropane-d6	5.995	67	166105	53.616	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 107.240%			
41) Toluene-d8	7.249	98	482102	52.431	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.860%			
43) trans-1,3-Dichloroprop...	7.558	79	77464	50.314	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 100.620%			
47) 2-Hexanone-d5	8.030	63	131892	91.318	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 91.320%			
56) 1,1,2,2-Tetrachloroeth...	10.159	84	224265	48.259	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 96.520%			
66) 1,2-Dichlorobenzene-d4	11.570	152	203857	52.113	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	9270	2.291	ug/L	96
3) Chloromethane	1.217	50	17018	3.278	ug/L	96
5) Vinyl chloride	1.288	62	8735	2.416	ug/L #	74
6) Bromomethane	1.494	94	1752	2.666	ug/L	86
8) Chloroethane	1.551	64	4993	2.367	ug/L	84
9) Trichlorofluoromethane	1.719	101	11488	2.397	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	8875	3.026	ug/L	88
12) 1,1-Dichloroethene	2.072	96	7920	3.002	ug/L #	1
13) Acetone	2.127	43	7992	6.140	ug/L	94
14) Carbon disulfide	2.246	76	16437	2.107	ug/L #	94
15) Methyl Acetate	2.384	43	5673	2.096	ug/L	92
16) Methylene chloride	2.455	84	8014	2.774	ug/L	96
17) trans-1,2-Dichloroethene	2.699	96	5935	2.201	ug/L	96
18) Methyl tert-butyl Ether	2.709	73	18601	2.167	ug/L	97
19) 1,1-Dichloroethane	3.121	63	11440	2.301	ug/L	95
20) cis-1,2-Dichloroethene	3.825	96	6979	2.340	ug/L	98
22) 2-Butanone	3.902	43	8800m	4.819	ug/L	
23) Bromochloromethane	4.159	128	3630	2.283	ug/L	97
25) Chloroform	4.281	83	13144	2.594	ug/L	91

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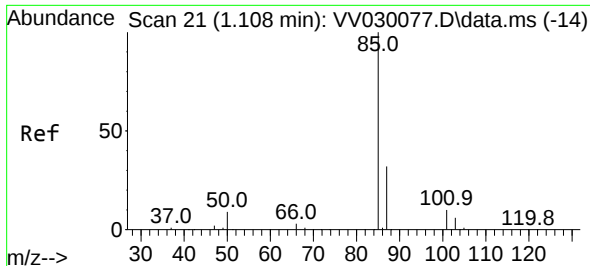
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	8183	2.162	ug/L	100
29) Cyclohexane	4.593	56	8592	2.010	ug/L #	88
30) 1,1,1-Trichloroethane	4.522	97	10729	2.354	ug/L	99
31) Carbon tetrachloride	4.741	117	9504m	2.376	ug/L	
33) Benzene	5.021	78	24763	2.288	ug/L	100
34) Trichloroethene	5.844	95	6776	2.300	ug/L	96
35) Methylcyclohexane	6.059	83	10087	2.157	ug/L	97
37) 1,2-Dichloropropane	6.101	63	6715	2.356	ug/L #	95
38) Bromodichloromethane	6.442	83	8839	2.309	ug/L	96
39) cis-1,3-Dichloropropene	6.966	75	10026	2.092	ug/L	99
40) 4-Methyl-2-pentanone	7.169	43	13712	3.870	ug/L	96
42) Toluene	7.323	91	26708	2.255	ug/L	100
44) trans-1,3-Dichloropropene	7.593	75	10436m	2.395	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	6838	2.311	ug/L	96
46) Tetrachloroethene	7.915	164	5600	2.261	ug/L	93
49) Dibromochloromethane	8.185	129	7203	2.348	ug/L	93
50) 1,2-Dibromoethane	8.291	107	7236	2.230	ug/L #	94
51) Chlorobenzene	8.821	112	18454	2.338	ug/L	100
52) Ethylbenzene	8.956	91	28242	2.154	ug/L	98
53) m,p-Xylene	9.082	106	10782	2.152	ug/L	92
54) o-Xylene	9.487	106	10197	2.112	ug/L	84
55) Styrene	9.506	104	16223	1.967	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.185	83	11560	2.390	ug/L #	95
59) Bromoform	9.673	173	5385	2.476	ug/L	98
60) Isopropylbenzene	9.876	105	26816	2.053	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	7893	2.172	ug/L	98
62) 1,3,5-Trimethylbenzene	10.484	105	20836	1.926	ug/L	99
63) 1,2,4-Trimethylbenzene	10.860	105	19650	1.848	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	15000	2.279	ug/L	96
65) 1,4-Dichlorobenzene	11.220	146	16073	2.386	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	16212	2.474	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.377	75	2368	2.233	ug/L	97
69) 1,3,5-Trichlorobenzene	12.593	180	11695	2.227	ug/L	98
70) 1,2,4-trichlorobenzene	13.207	180	9802	1.985	ug/L	93
71) Naphthalene	13.451	128	24320	1.698	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	9671	1.996	ug/L	94

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



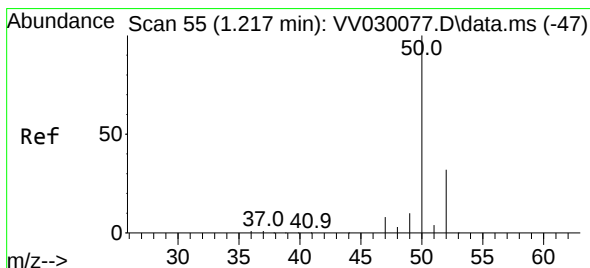
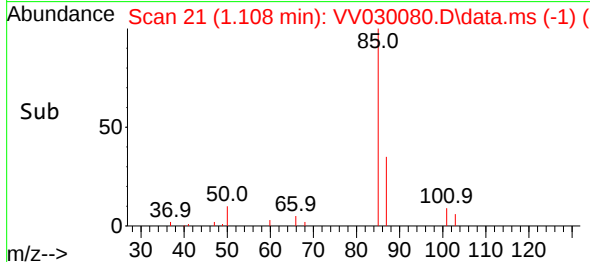
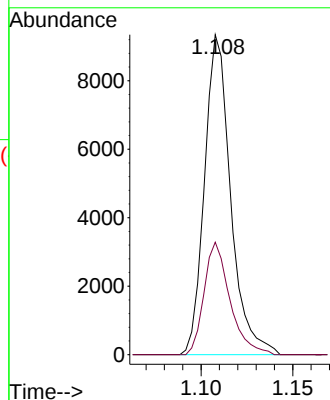
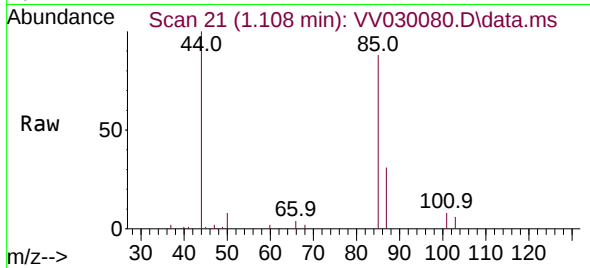
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 Dichlorodifluoromethane
 Concen: 2.291 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030080.D
 Acq: 22 Feb 2023 15:36

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

Tgt Ion: 85 Resp: 9270
 Ion Ratio Lower Upper
 85 100
 87 34.7 26.0 39.0

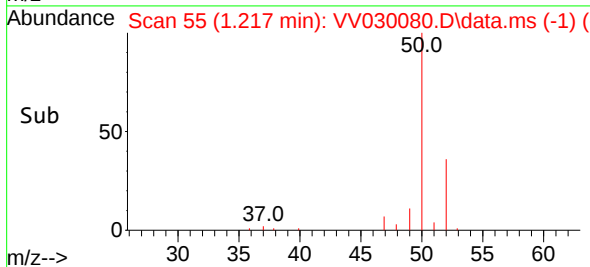
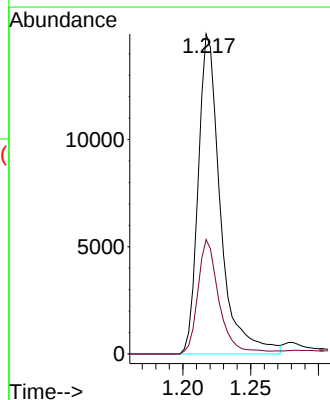
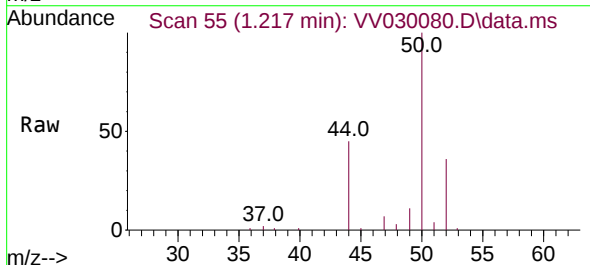
Manual Integrations
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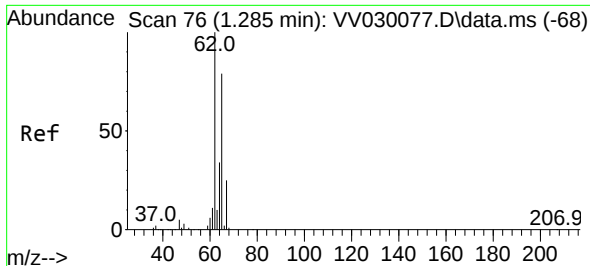
Reviewed By :Krupa Patel 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#3
 Chloromethane
 Concen: 3.278 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030080.D
 Acq: 22 Feb 2023 15:36

Tgt Ion: 50 Resp: 17018
 Ion Ratio Lower Upper
 50 100
 52 35.8 23.4 43.4





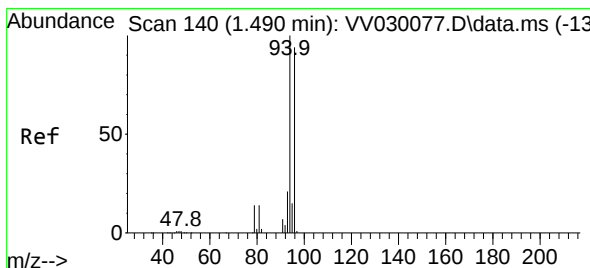
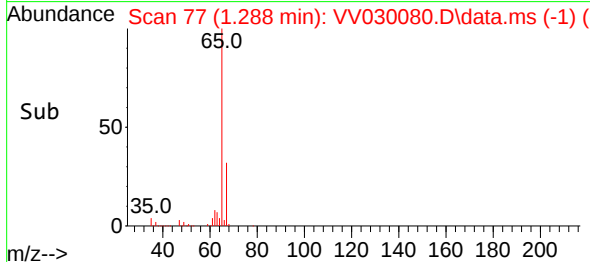
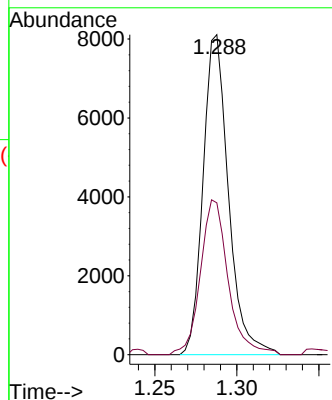
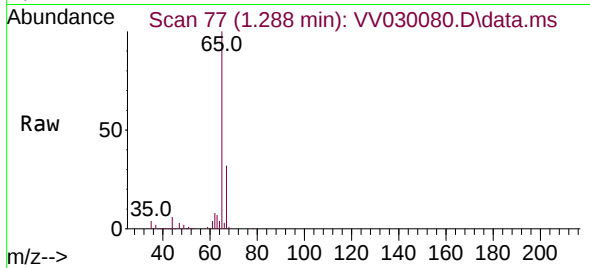
#5
 Vinyl chloride
 Concen: 2.416 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV030080.D
 Acq: 22 Feb 2023 15:36

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

Tgt Ion: 62 Resp: 8735
 Ion Ratio Lower Upper
 62 100
 64 47.5 22.9 42.5

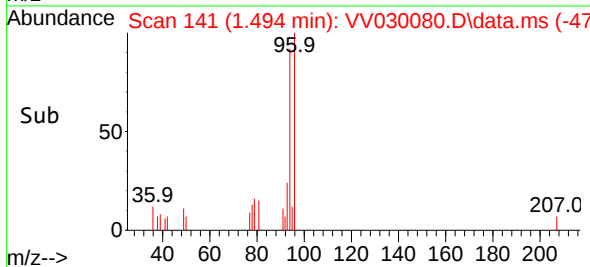
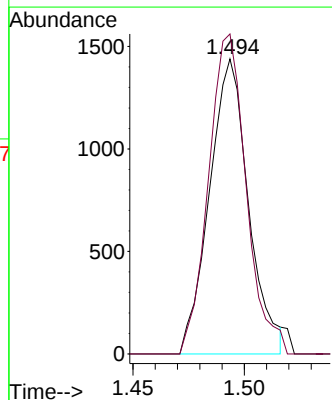
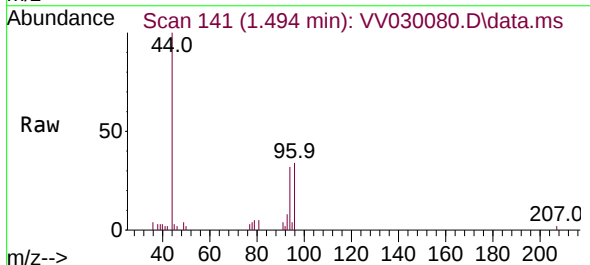
Manual Integrations
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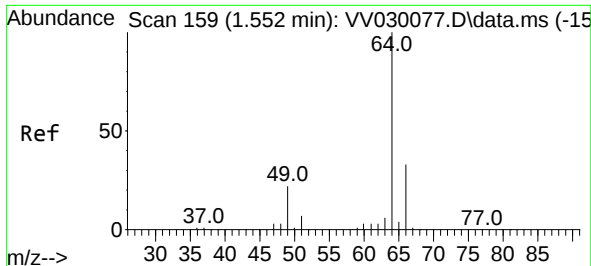
Reviewed By :Krupa Patel 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#6
 Bromomethane
 Concen: 2.666 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.003 min
 Lab File: VV030080.D
 Acq: 22 Feb 2023 15:36

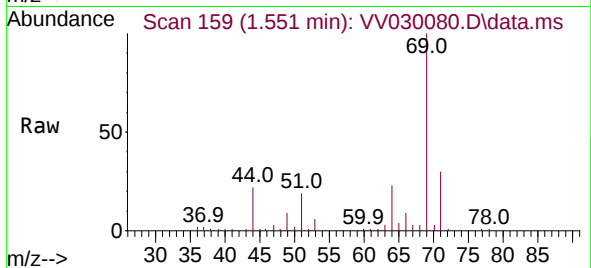
Tgt Ion: 94 Resp: 1752
 Ion Ratio Lower Upper
 94 100
 96 108.5 66.7 123.9





#8
Chloroethane
Concen: 2.367 ug/L
RT: 1.551 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

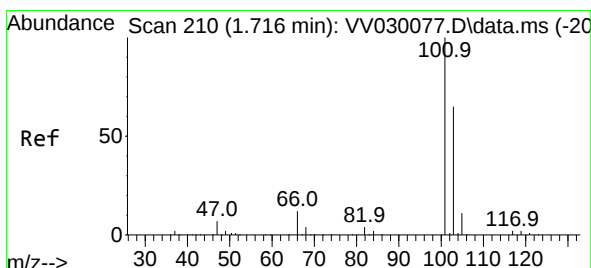
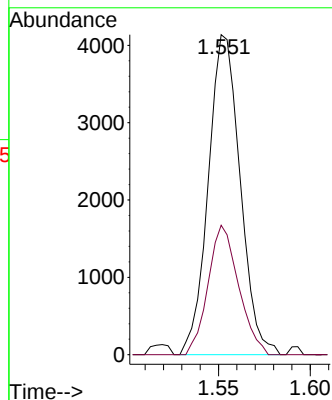
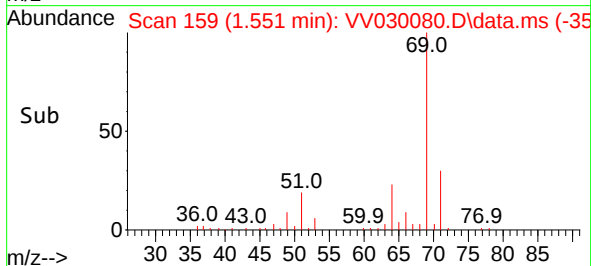
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-02



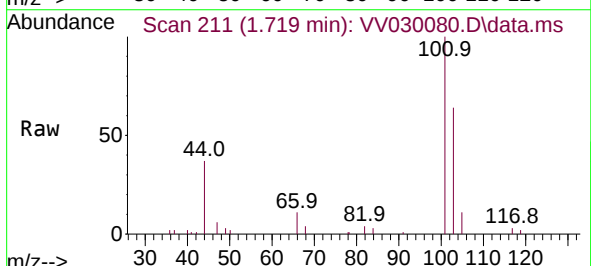
Tgt Ion: 64 Resp: 499
Ion Ratio Lower Upper
64 100
66 40.4 22.3 41.3

Manual Integrations
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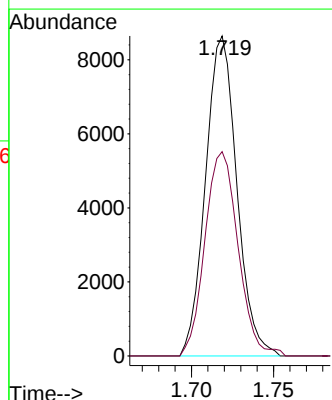
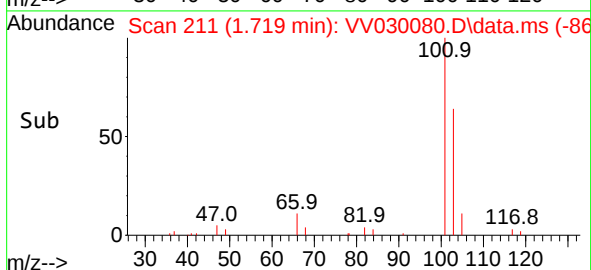
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

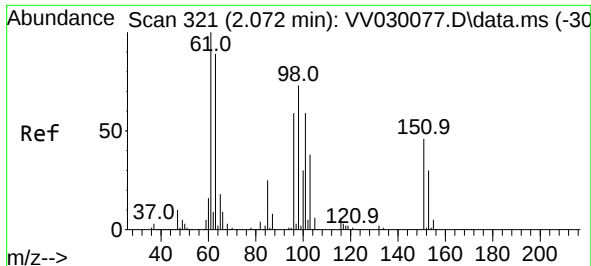


#9
Trichlorofluoromethane
Concen: 2.397 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36



Tgt Ion:101 Resp: 11488
Ion Ratio Lower Upper
101 100
103 66.9 52.6 78.8





#10

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

Concen: 3.026 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-02

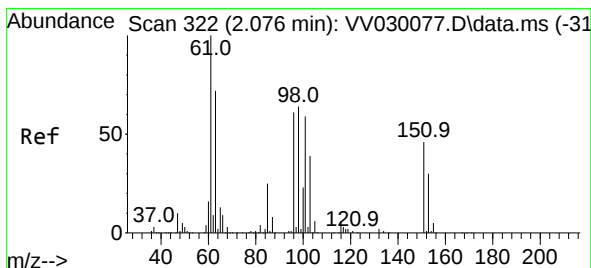
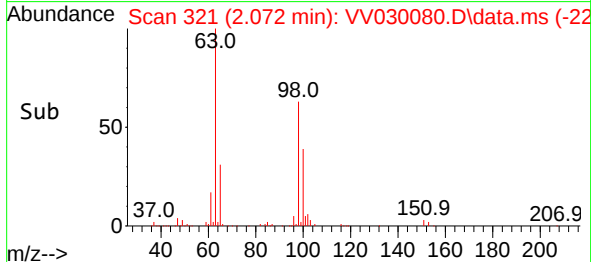
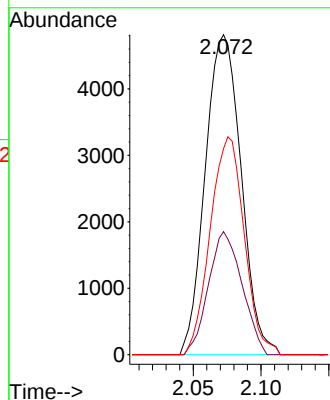
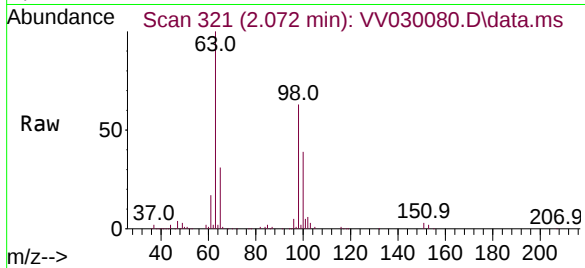
Tgt Ion:	101	Resp:	887
Ion Ratio	Lower	Upper	
101	100		
85	35.9	33.4	50.2
151	64.5	60.8	91.2

Manual Integrations

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Supervised By :Mahesh Dadoda 02/23/2023



#12

1,1-Dichloroethene

Concen: 3.002 ug/L

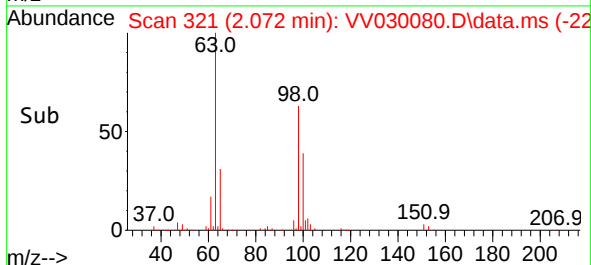
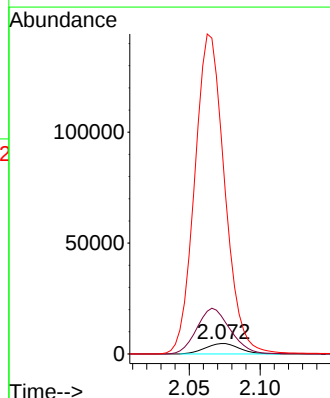
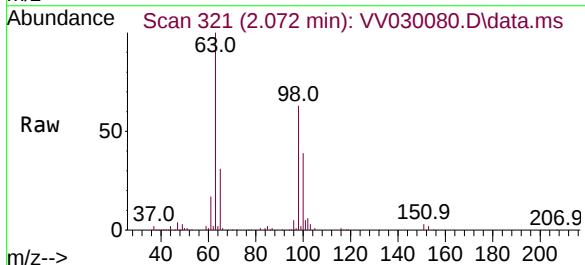
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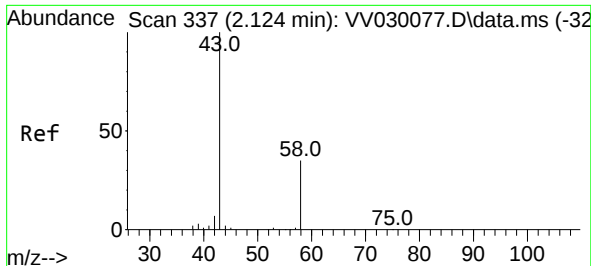
Delta R.T. -0.003 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

Tgt Ion:	96	Resp:	7920
Ion Ratio	Lower	Upper	
96	100		
61	365.9	115.8	215.2#
63	2108.1	83.4	154.8#





#13

Acetone

Concen: 6.140 ug/L

RT: 2.127 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030080.D

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Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-02

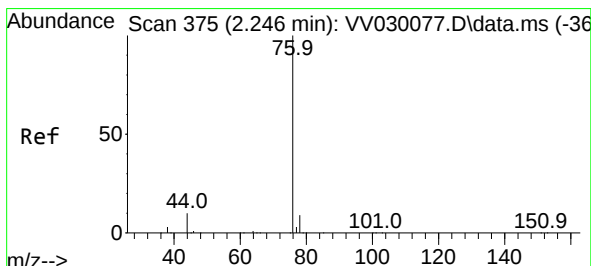
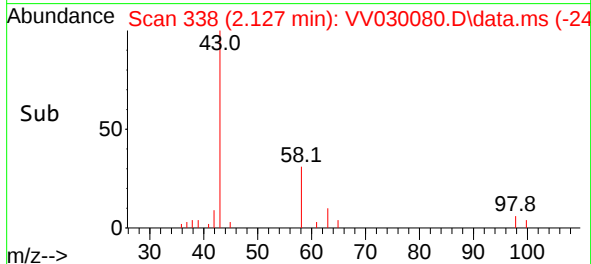
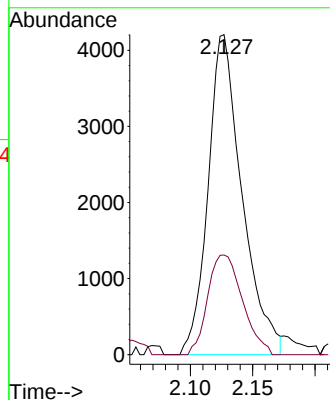
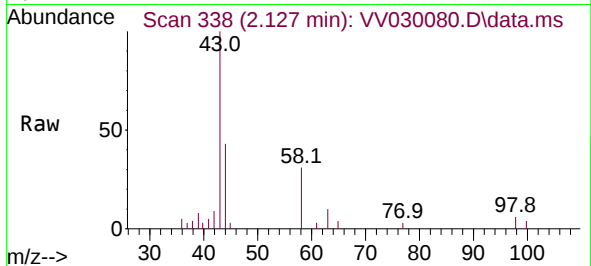
Tgt Ion: 43 Resp: 7992
 Ion Ratio Lower Upper
 43 100
 58 31.9 0.0 70.6

Manual Integrations

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Supervised By :Mahesh Dadoda 02/23/2023



#14

Carbon disulfide

Concen: 2.107 ug/L

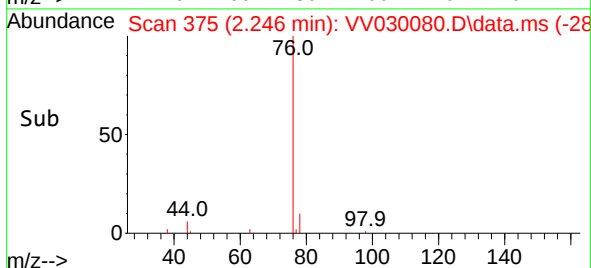
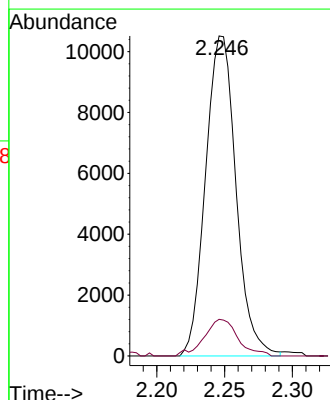
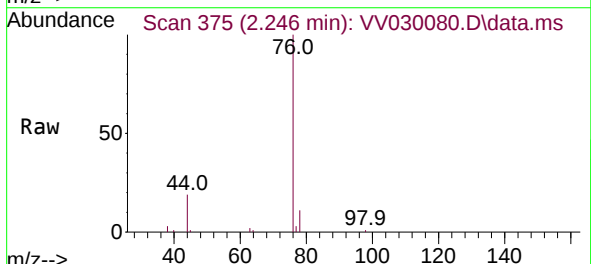
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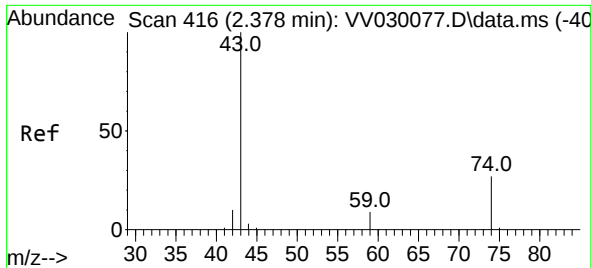
Delta R.T. -0.000 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

Tgt Ion: 76 Resp: 16437
 Ion Ratio Lower Upper
 76 100
 78 11.4 7.4 11.2#





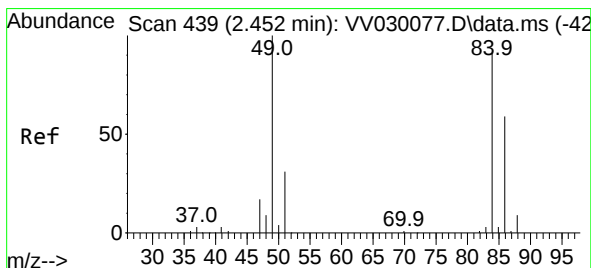
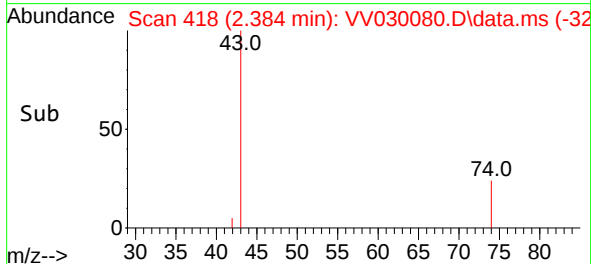
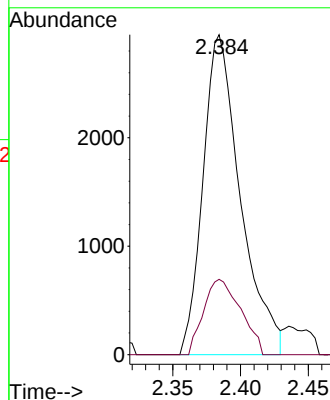
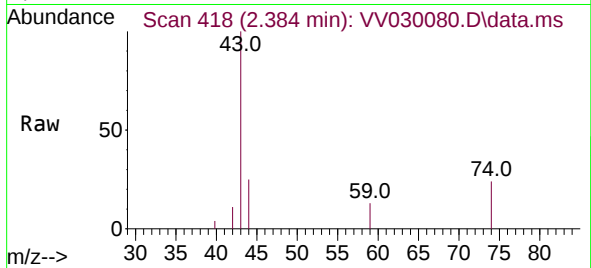
#15
Methyl Acetate
Concen: 2.096 ug/L
RT: 2.384 min Scan# 416
Delta R.T. 0.006 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

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

Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
74 23.3 21.9 32.9

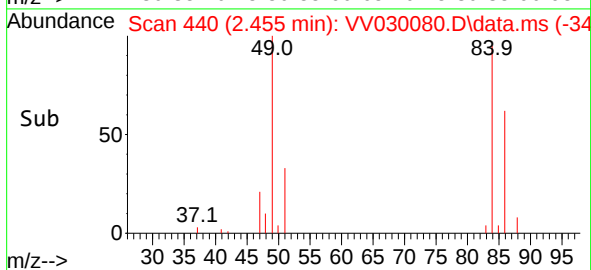
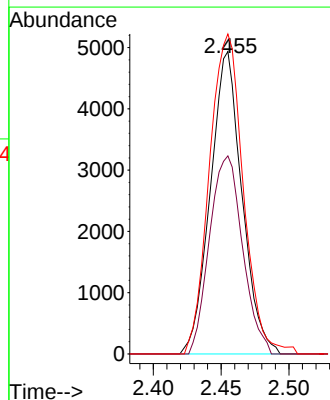
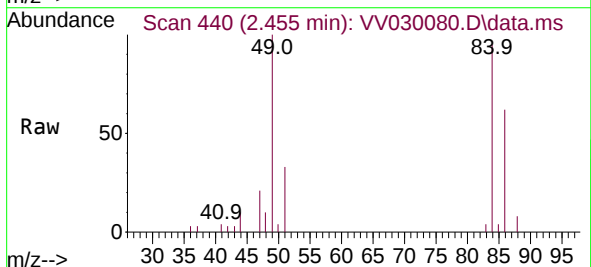
Manual Integrations
APPROVED

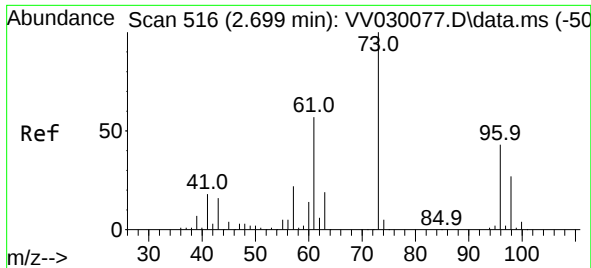
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#16
Methylene chloride
Concen: 2.774 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

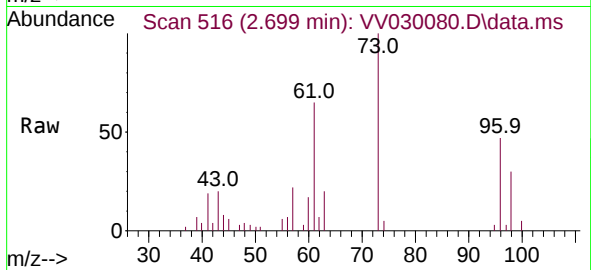
Tgt Ion: 84 Resp: 8014
Ion Ratio Lower Upper
84 100
86 65.5 45.1 83.7
49 105.8 78.7 146.1





#17
trans-1,2-Dichloroethene
Concen: 2.201 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

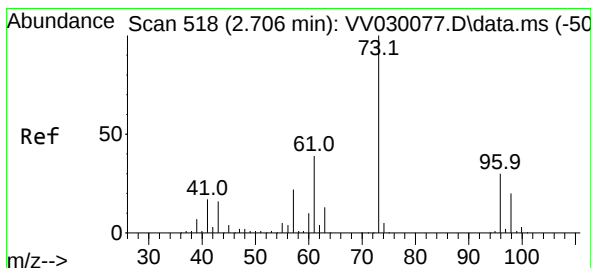
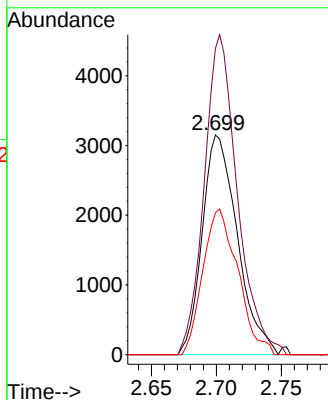
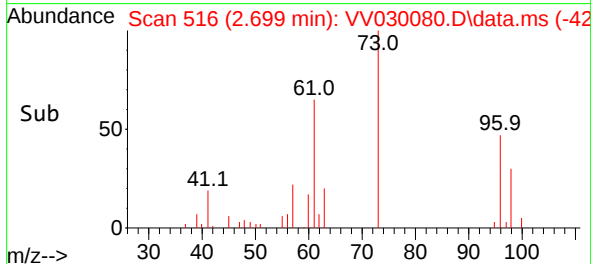
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-02



Tgt Ion: 96 Resp: 5938
Ion Ratio Lower Upper
96 100
61 139.4 93.3 173.3
98 64.6 44.1 81.9

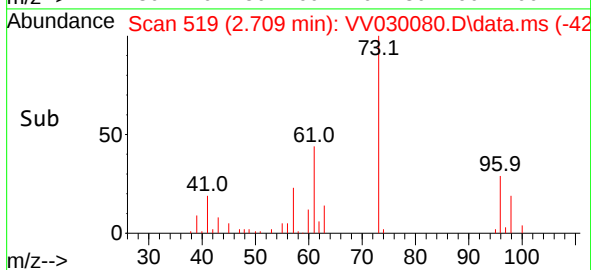
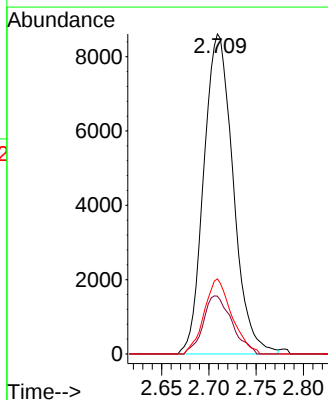
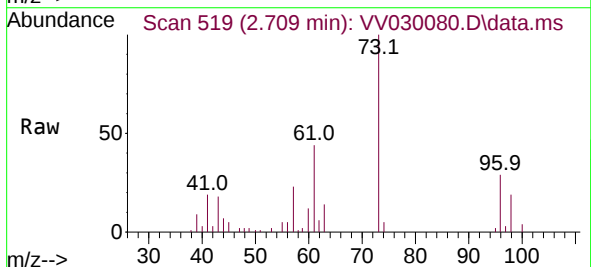
Manual Integrations
APPROVED

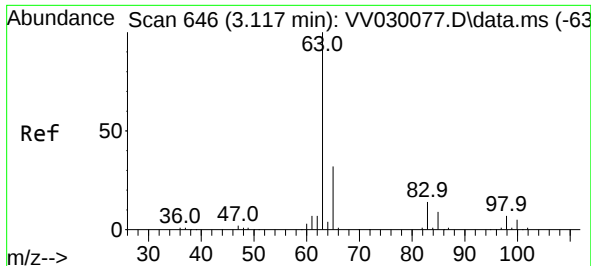
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#18
Methyl tert-butyl Ether
Concen: 2.167 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

Tgt Ion: 73 Resp: 18601
Ion Ratio Lower Upper
73 100
43 17.7 12.7 19.1
57 22.0 17.0 25.4





#19

1,1-Dichloroethane

Concen: 2.301 ug/L

RT: 3.121 min Scan# 646

Delta R.T. 0.003 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-02

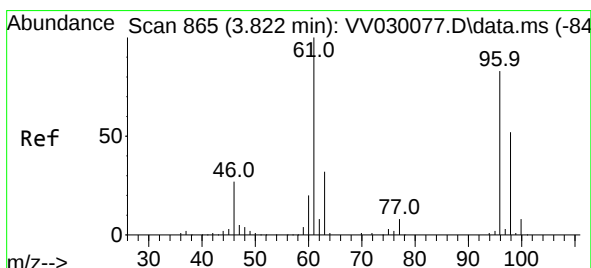
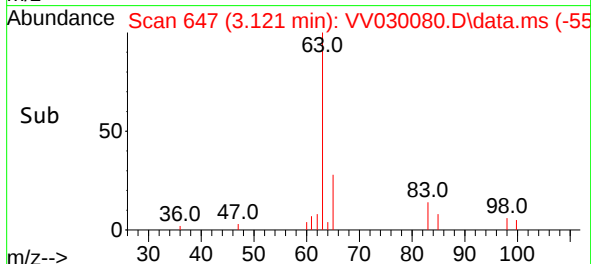
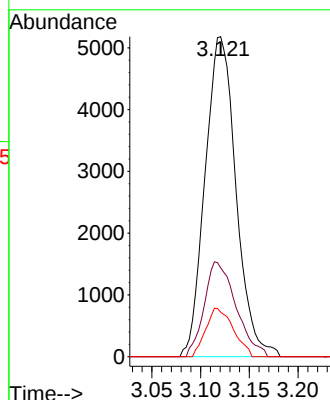
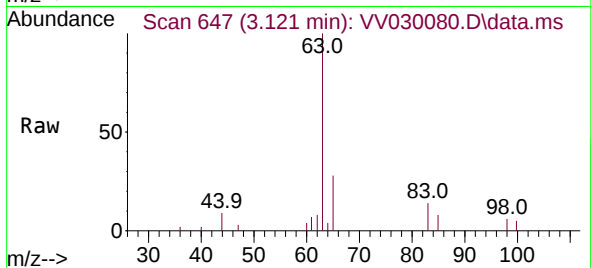
Tgt Ion: 63	Resp: 11440
Ion Ratio	Lower Upper
63 100	
65 27.7	22.0 41.0
83 13.9	9.6 17.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#20

cis-1,2-Dichloroethene

Concen: 2.340 ug/L

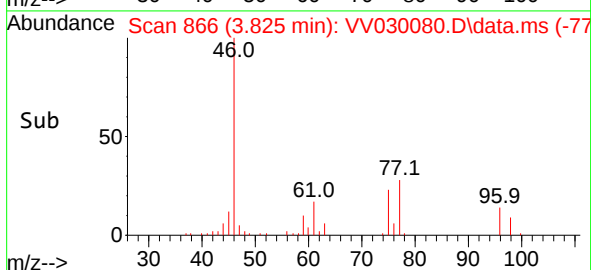
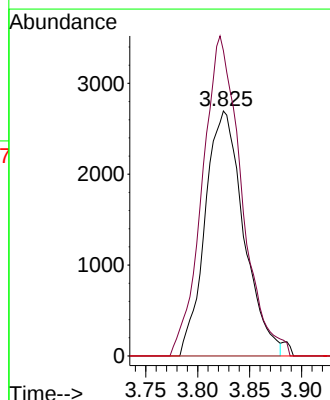
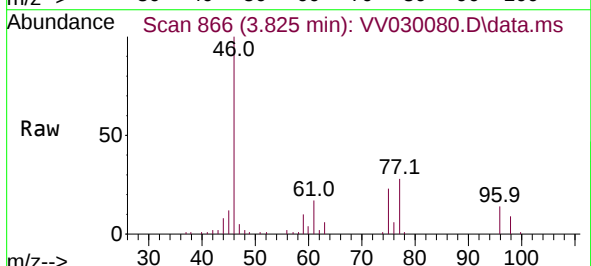
RT: 3.825 min Scan# 866

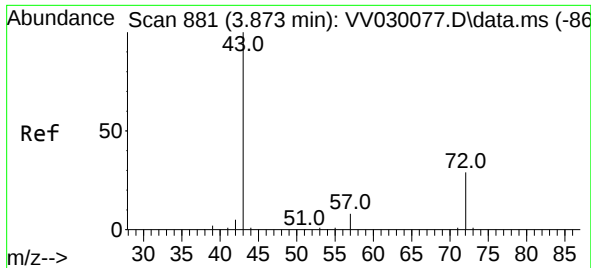
Delta R.T. 0.003 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

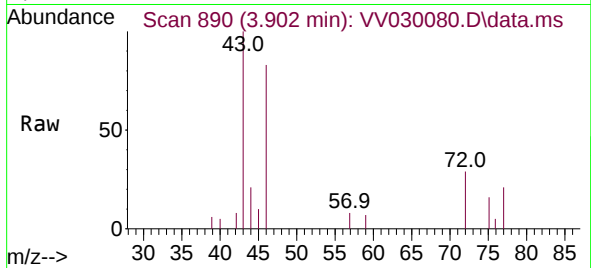
Tgt Ion: 96	Resp: 6979
Ion Ratio	Lower Upper
96 100	
61 124.6	86.0 159.6
68 0.0	0.0 0.0





#22
2-Butanone
Concen: 4.819 ug/L m
RT: 3.902 min Scan# 890
Delta R.T. 0.029 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

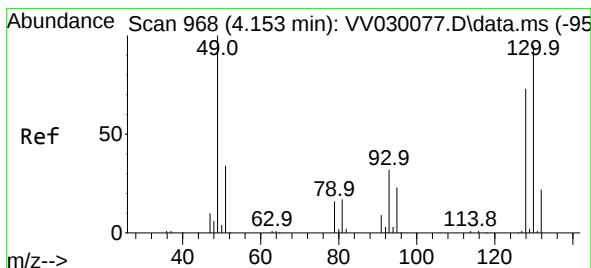
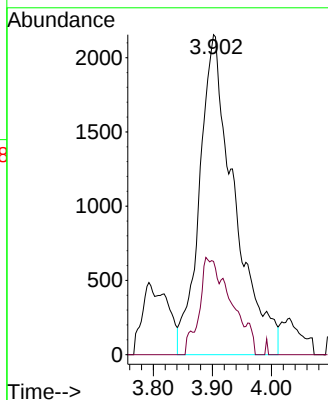
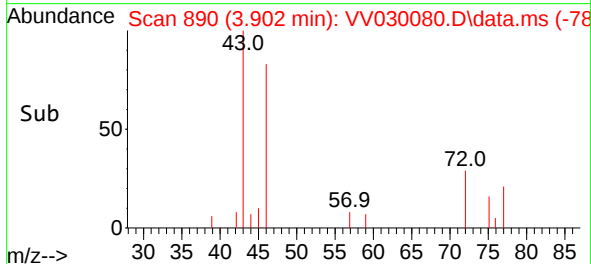
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-02



Tgt Ion: 43 Resp: 8800
Ion Ratio Lower Upper
43 100
72 1.3 14.7 44.1

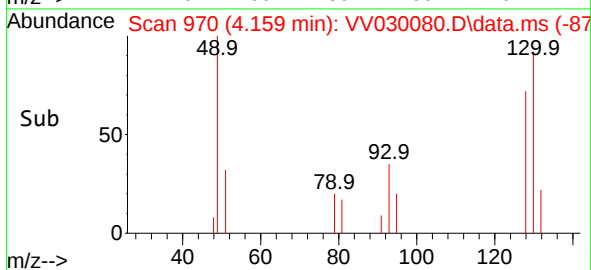
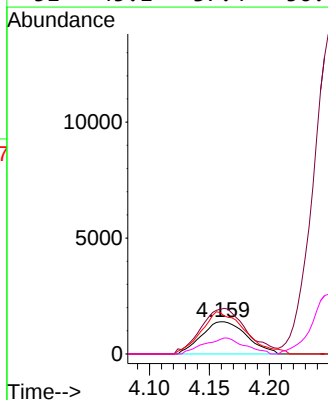
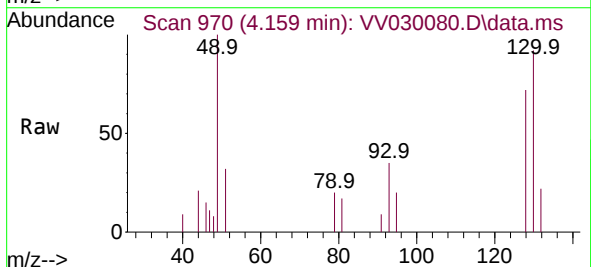
Manual Integrations
APPROVED

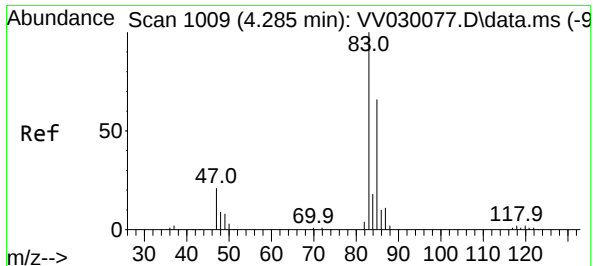
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#23
Bromochloromethane
Concen: 2.283 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.006 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

Tgt Ion:128 Resp: 3630
Ion Ratio Lower Upper
128 100
49 138.7 101.0 187.6
130 128.3 88.2 163.8
51 45.1 37.4 56.0





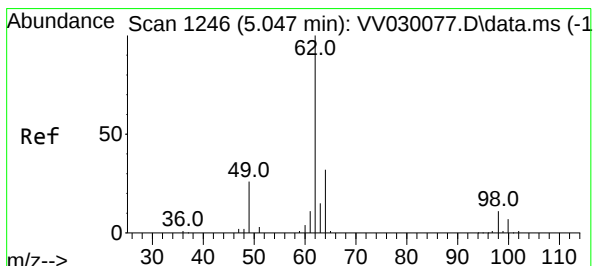
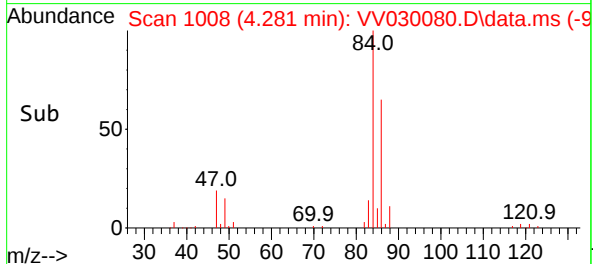
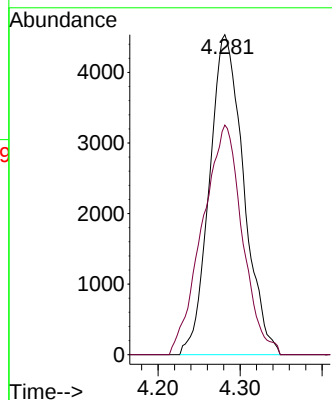
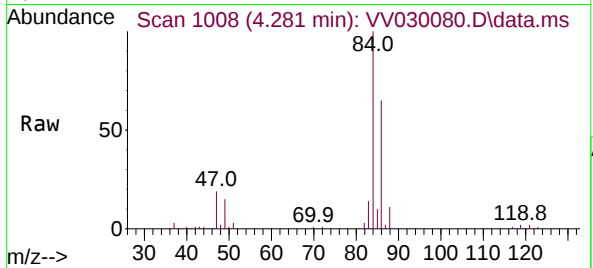
#25
Chloroform
Concen: 2.594 ug/L
RT: 4.281 min Scan# 1008
Delta R.T. -0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

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

Tgt Ion: 83 Resp: 13144
Ion Ratio Lower Upper
83 100
85 71.8 45.4 84.4

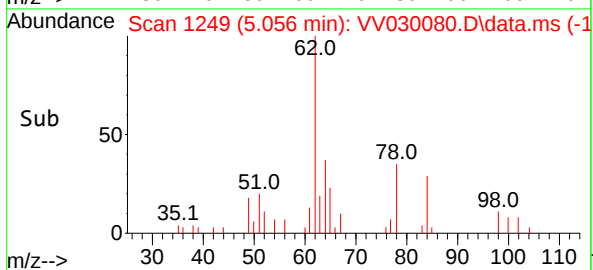
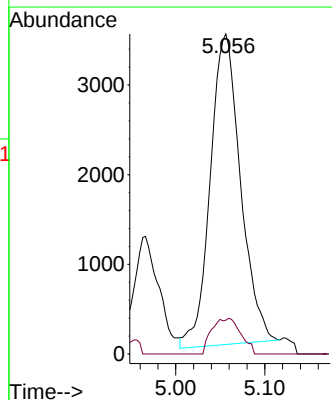
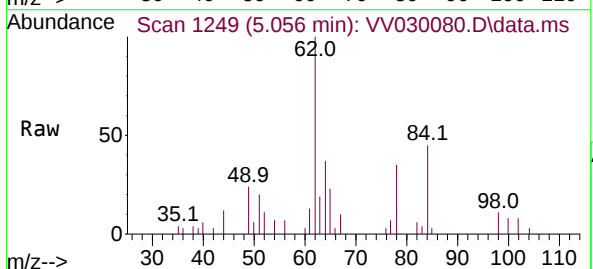
Manual Integrations
APPROVED

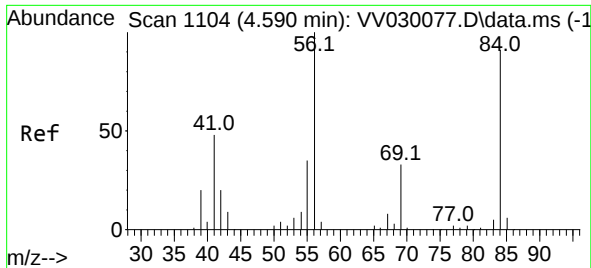
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#27
1,2-Dichloroethane
Concen: 2.162 ug/L
RT: 5.056 min Scan# 1249
Delta R.T. 0.010 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

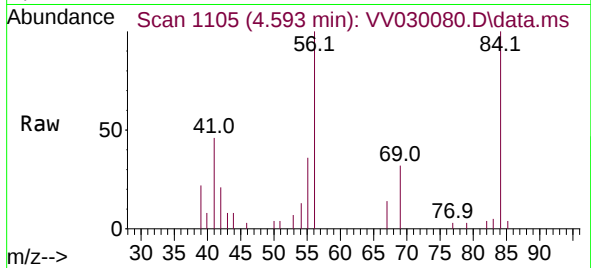
Tgt Ion: 62 Resp: 8183
Ion Ratio Lower Upper
62 100
98 10.6 8.5 12.7





#29
Cyclohexane
Concen: 2.010 ug/L
RT: 4.593 min Scan# 1105
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

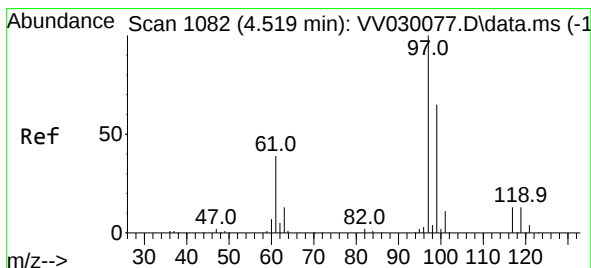
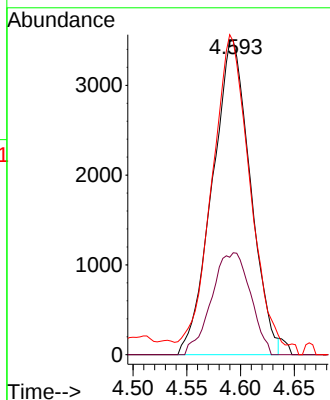
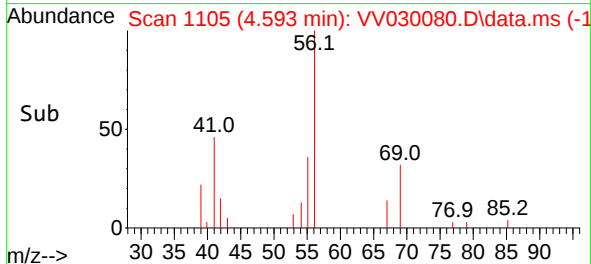
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-02



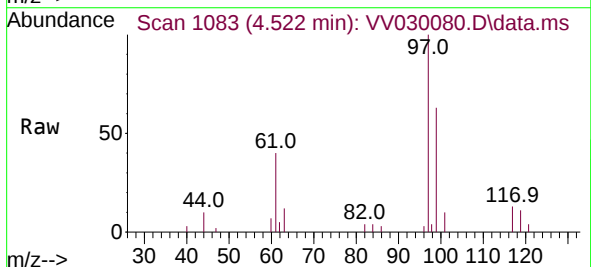
Tgt Ion: 56 Resp: 8592
Ion Ratio Lower Upper
56 100
69 16.9 25.3 37.9
84 97.8 73.0 109.4

Manual Integrations
APPROVED

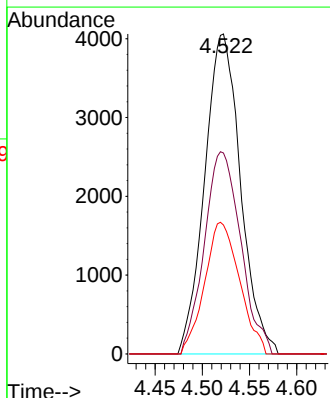
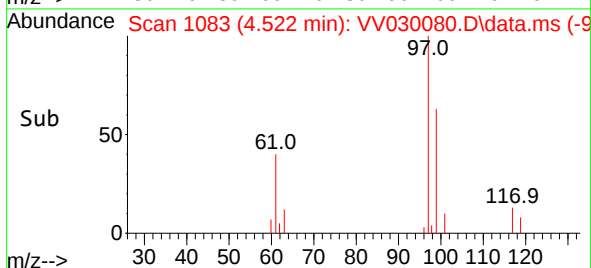
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

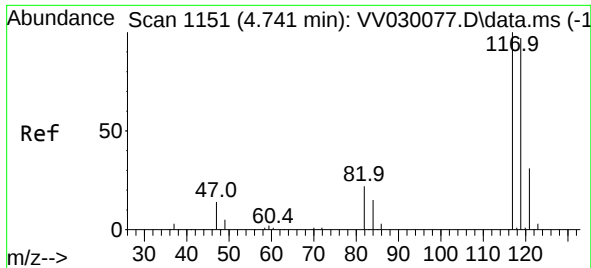


#30
1,1,1-Trichloroethane
Concen: 2.354 ug/L
RT: 4.522 min Scan# 1083
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36



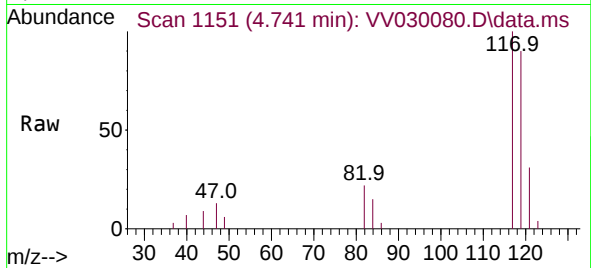
Tgt Ion: 97 Resp: 10729
Ion Ratio Lower Upper
97 100
99 63.9 50.7 76.1
61 40.1 31.6 47.4





#31
Carbon tetrachloride
Concen: 2.376 ug/L m
RT: 4.741 min Scan# 1151
Delta R.T. -0.000 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

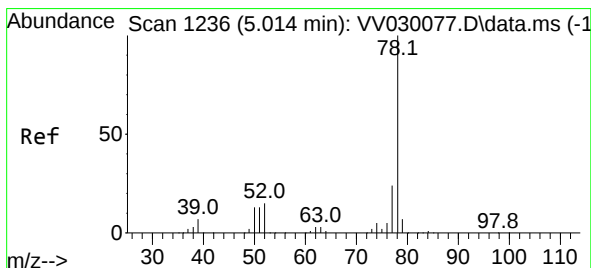
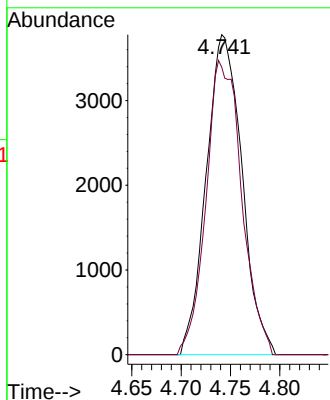
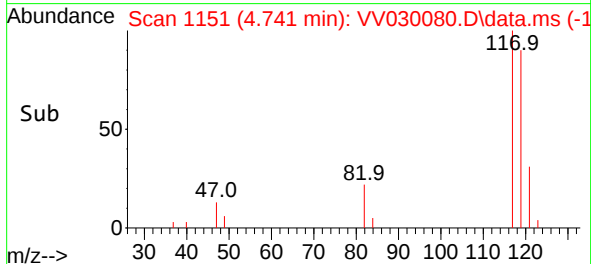
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT1-2023-02



Tgt Ion:117 Resp: 9504
Ion Ratio Lower Upper
117 100
119 7.5 76.8 115.23

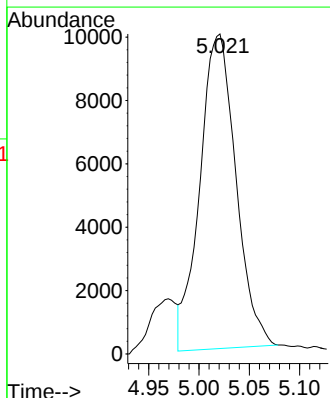
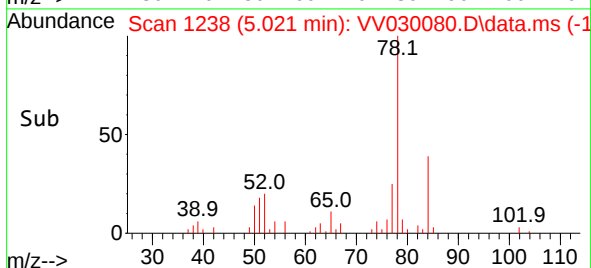
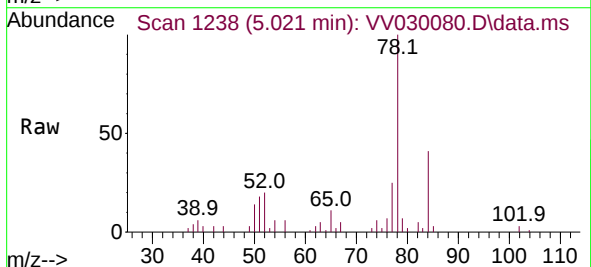
Manual Integrations
APPROVED

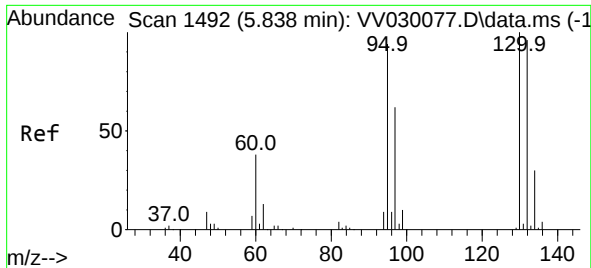
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#33
Benzene
Concen: 2.288 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.006 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

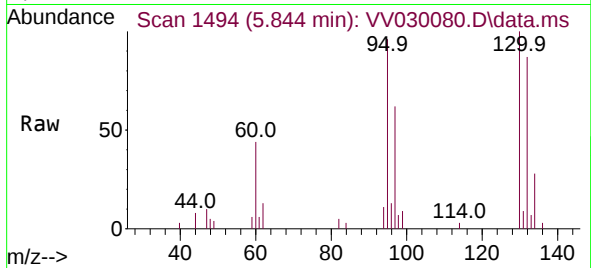
Tgt Ion: 78 Resp: 24763





#34
Trichloroethene
Concen: 2.300 ug/L
RT: 5.844 min Scan# 1492
Delta R.T. 0.006 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

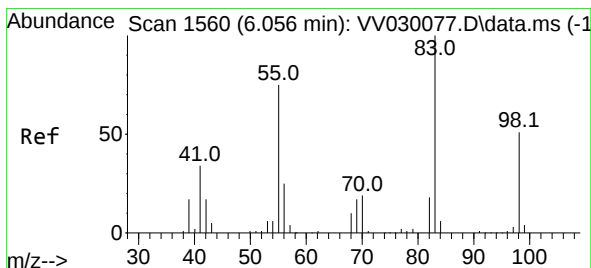
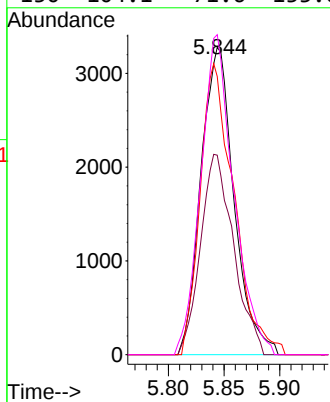
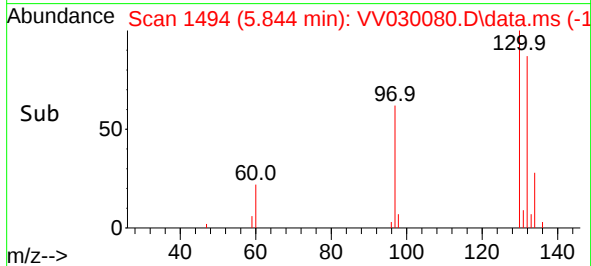
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-02



Tgt Ion: 95 Resp: 6770
Ion Ratio Lower Upper
95 100
97 64.9 44.1 81.9
132 90.5 68.3 126.9
130 104.1 71.6 133.0

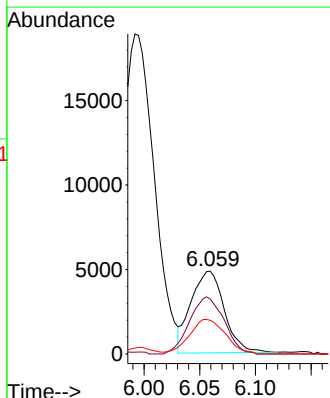
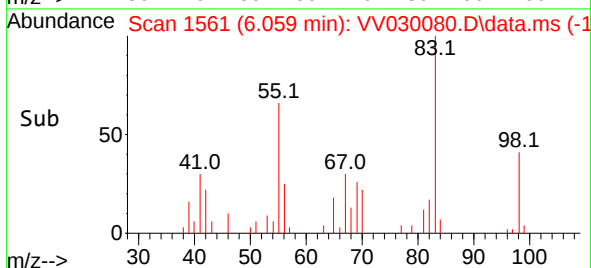
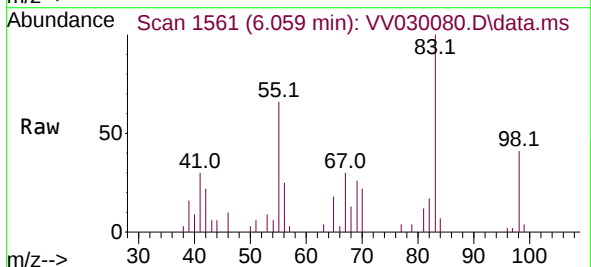
Manual Integrations
APPROVED

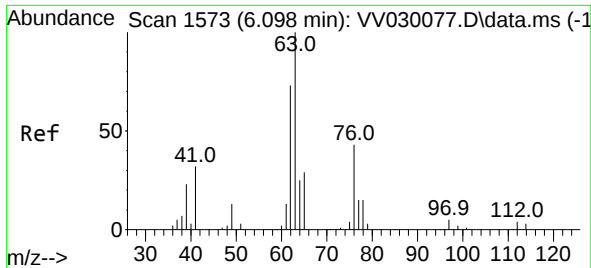
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#35
Methylcyclohexane
Concen: 2.157 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

Tgt Ion: 83 Resp: 10087
Ion Ratio Lower Upper
83 100
55 72.0 58.4 87.6
98 45.7 39.8 59.8





#37

1,2-Dichloropropane

Concen: 2.356 ug/L

RT: 6.101 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-02

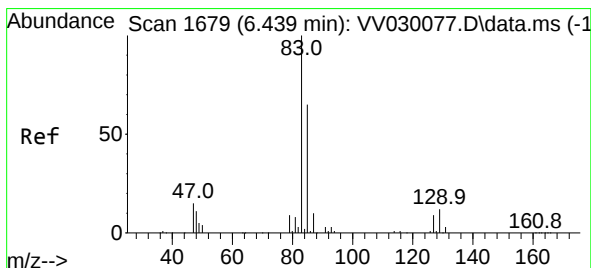
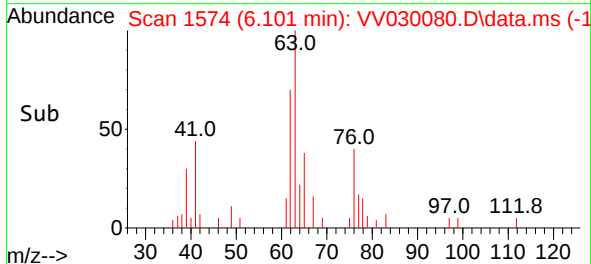
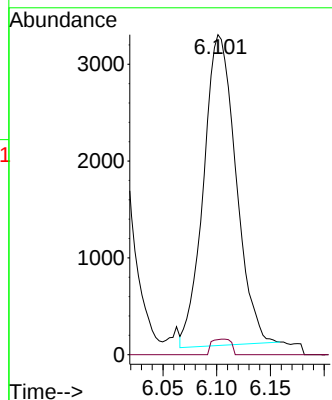
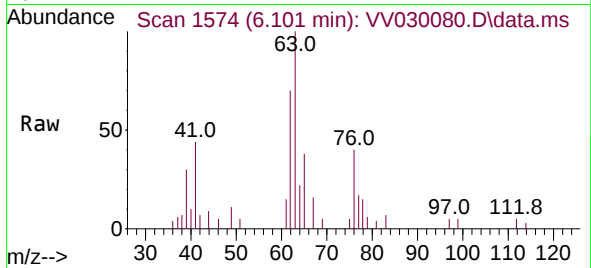
Tgt Ion: 63 Resp: 671
 Ion Ratio Lower Upper
 63 100
 112 3.0 3.7 5.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#38

Bromodichloromethane

Concen: 2.309 ug/L

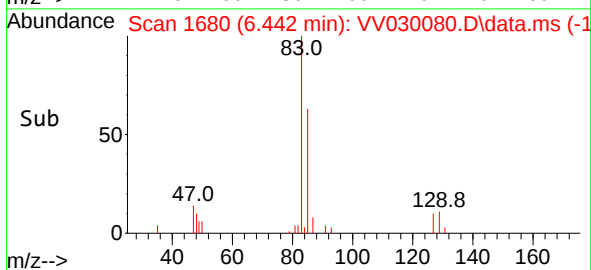
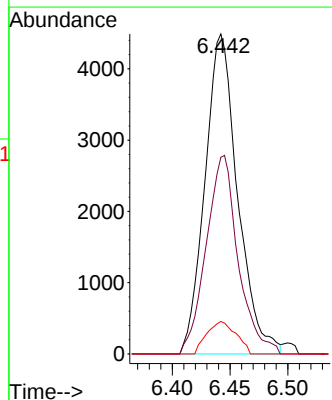
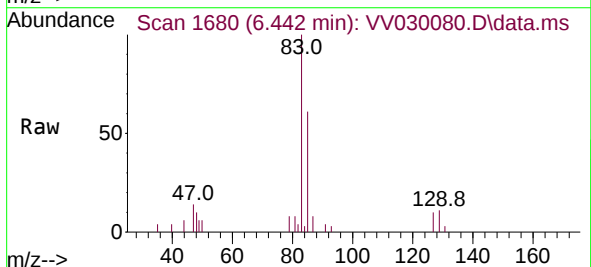
RT: 6.442 min Scan# 1680

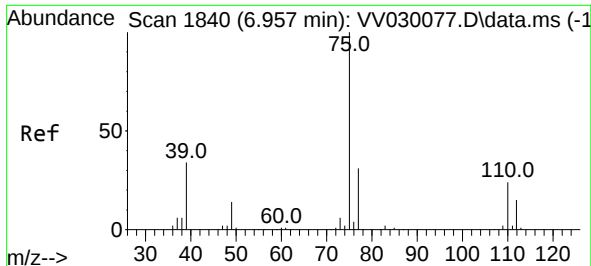
Delta R.T. 0.003 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

Tgt Ion: 83 Resp: 8839
 Ion Ratio Lower Upper
 83 100
 85 61.4 44.9 83.5
 127 10.2 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 2.092 ug/L

RT: 6.966 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-02

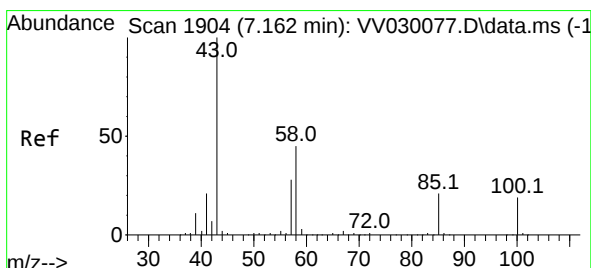
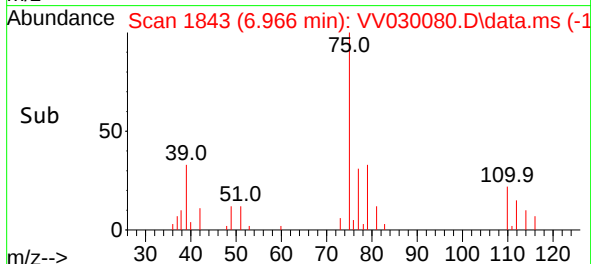
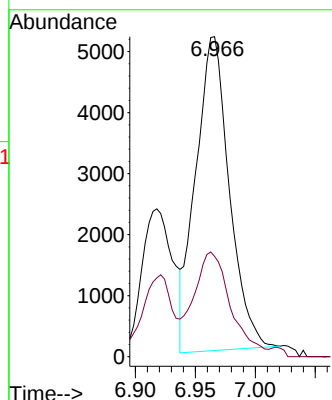
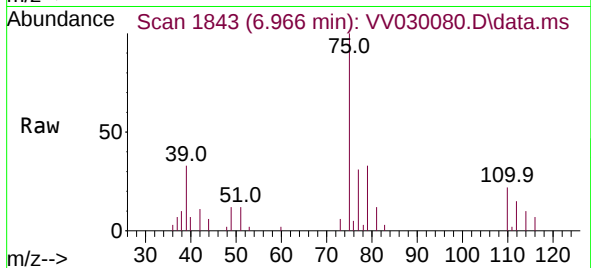
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	22.4	41.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#40

4-Methyl-2-pentanone

Concen: 3.870 ug/L

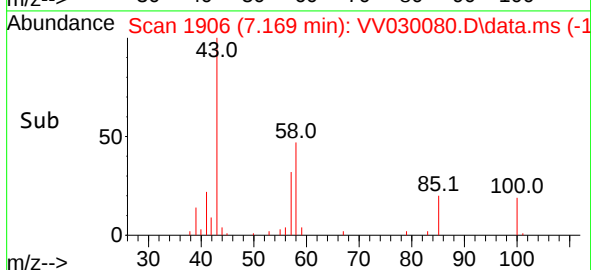
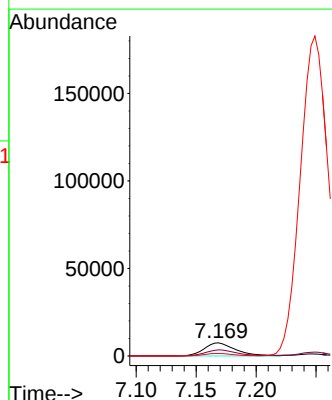
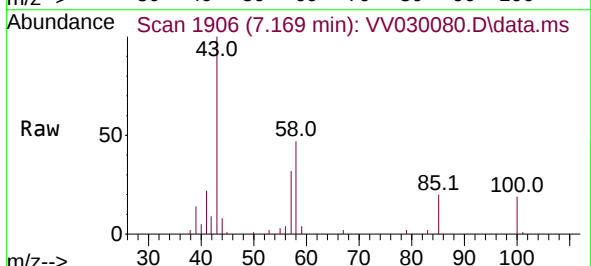
RT: 7.169 min Scan# 1906

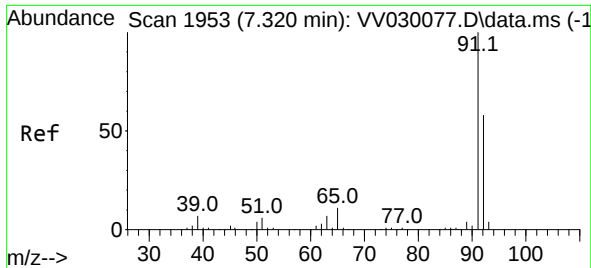
Delta R.T. 0.006 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	46.7	34.8	52.2
100	17.8	14.6	22.0





#42

Toluene

Concen: 2.255 ug/L

RT: 7.323 min Scan# 1953

Delta R.T. 0.003 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-02

Tgt Ion: 91 Resp: 26708

Ion Ratio Lower Upper

91 100

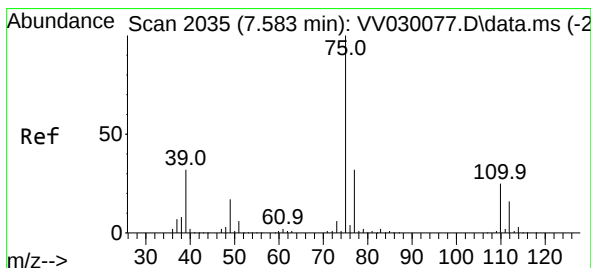
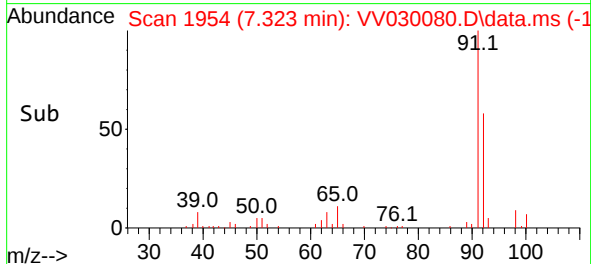
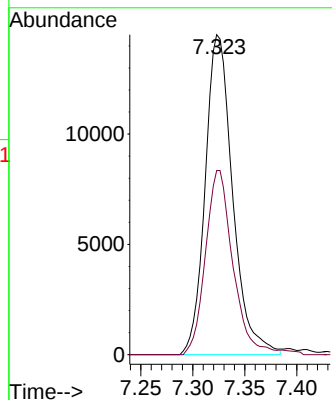
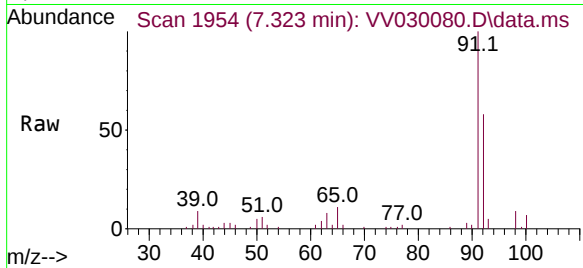
92 57.6 40.3 74.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#44

trans-1,3-Dichloropropene

Concen: 2.395 ug/L m

RT: 7.593 min Scan# 2038

Delta R.T. 0.010 min

Lab File: VV030080.D

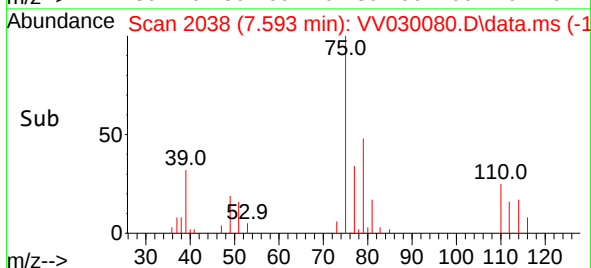
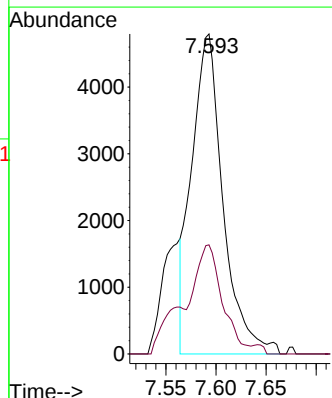
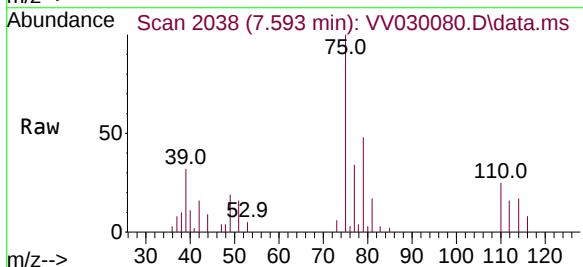
Acq: 22 Feb 2023 15:36

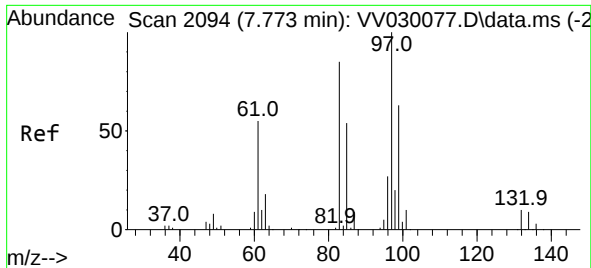
Tgt Ion: 75 Resp: 10436

Ion Ratio Lower Upper

75 100

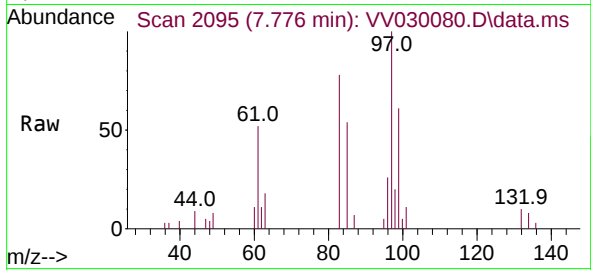
77 34.1 22.3 41.5





#45
1,1,2-Trichloroethane
Concen: 2.311 ug/L
RT: 7.776 min Scan# 2094
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

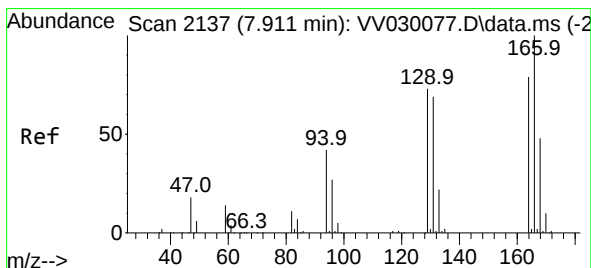
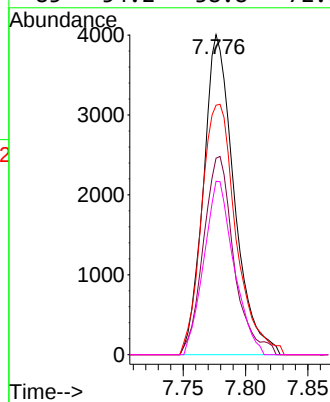
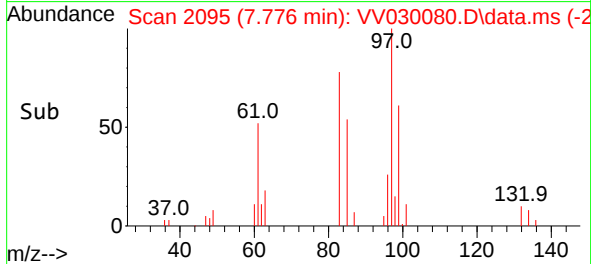
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-02



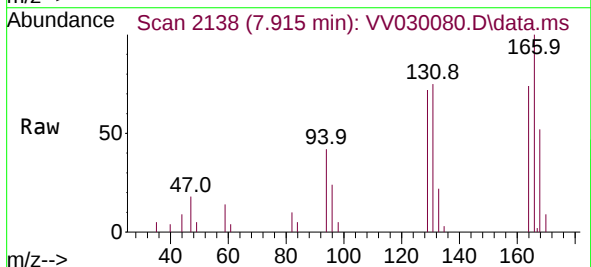
Tgt Ion:	97	Resp:	683
Ion	Ratio	Lower	Upper
97	100		
99	61.4	43.8	81.4
83	78.0	59.9	111.3
85	54.2	38.8	72.0

Manual Integrations
APPROVED

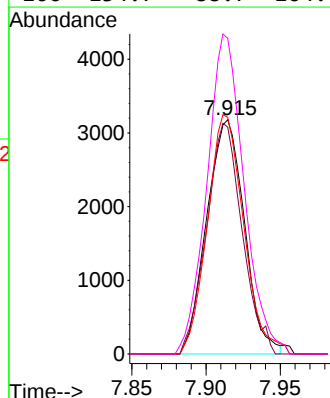
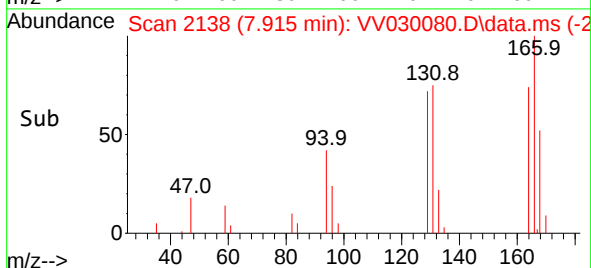
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

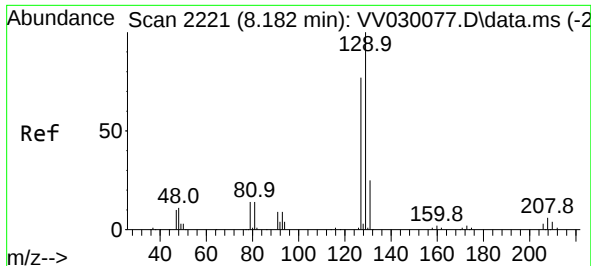


#46
Tetrachloroethene
Concen: 2.261 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36



Tgt Ion:	164	Resp:	5600
Ion	Ratio	Lower	Upper
164	100		
129	96.9	65.2	121.0
131	101.0	63.1	117.3
166	134.7	88.7	164.7





#49

Dibromochloromethane

Concen: 2.348 ug/L

RT: 8.185 min Scan# 2221

Delta R.T. 0.003 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-02

Tgt Ion:129 Resp: 720

Ion Ratio Lower Upper

129 100

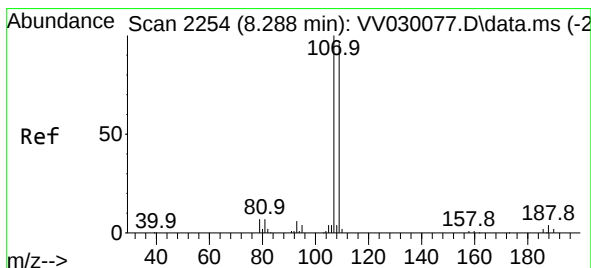
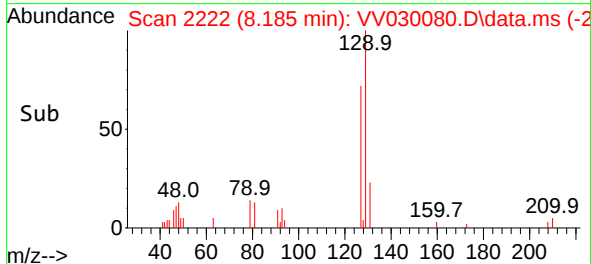
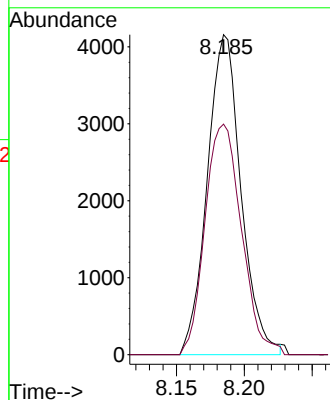
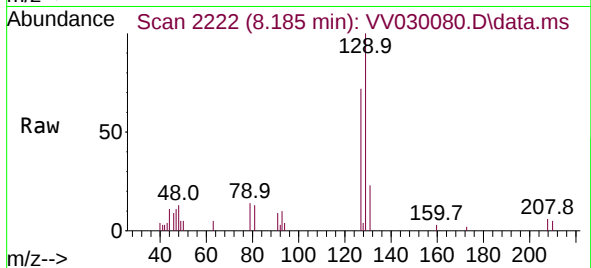
127 72.1 54.9 102.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#50

1,2-Dibromoethane

Concen: 2.230 ug/L

RT: 8.291 min Scan# 2255

Delta R.T. 0.003 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

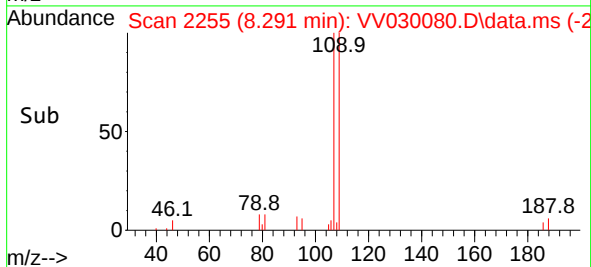
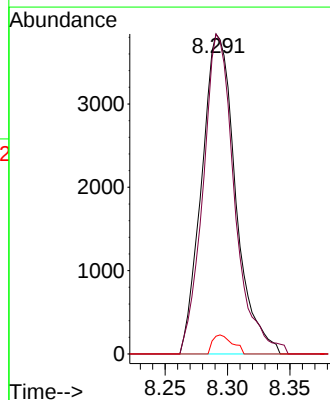
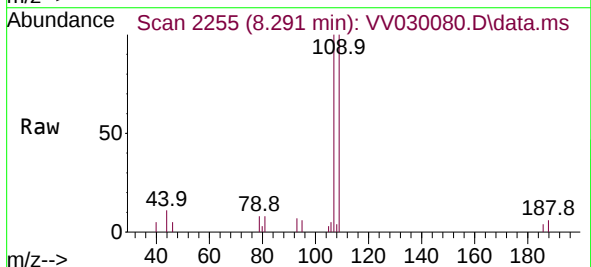
Tgt Ion:107 Resp: 7236

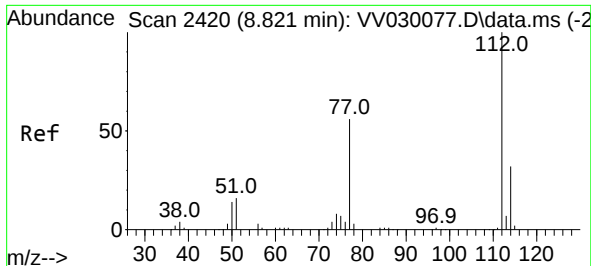
Ion Ratio Lower Upper

107 100

109 100.1 66.0 122.6

188 5.5 3.4 5.0#





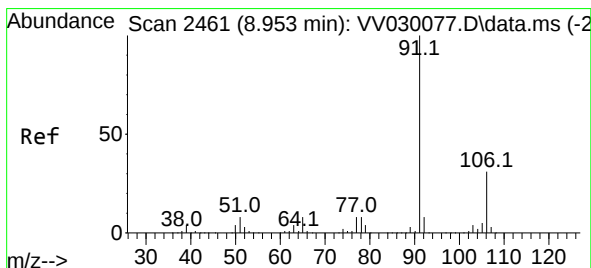
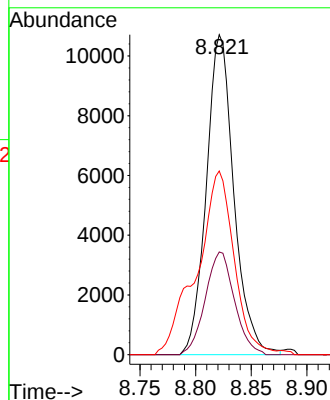
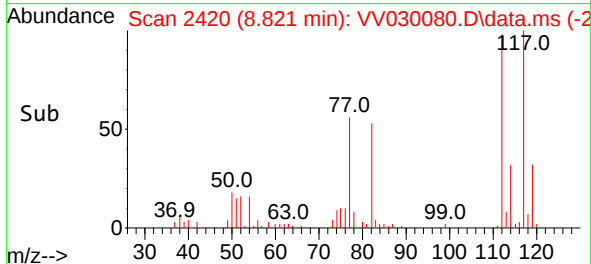
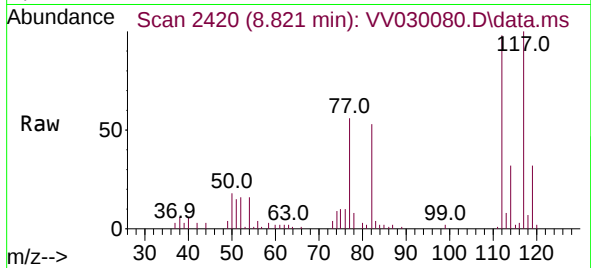
#51
Chlorobenzene
Concen: 2.338 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. -0.000 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

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

Tgt Ion:112 Resp: 18454
Ion Ratio Lower Upper
112 100
114 32.1 22.3 41.3
77 57.4 46.0 69.0

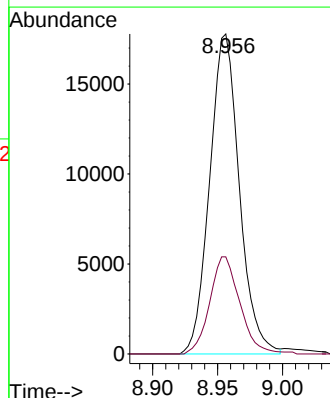
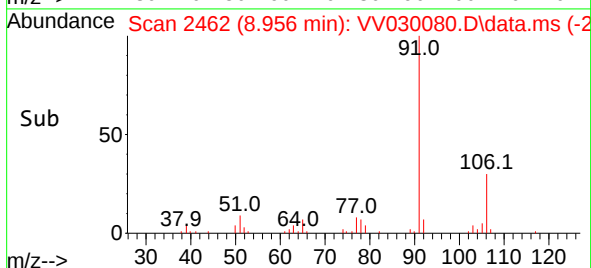
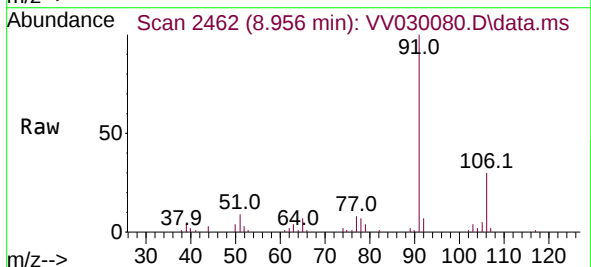
Manual Integrations
APPROVED

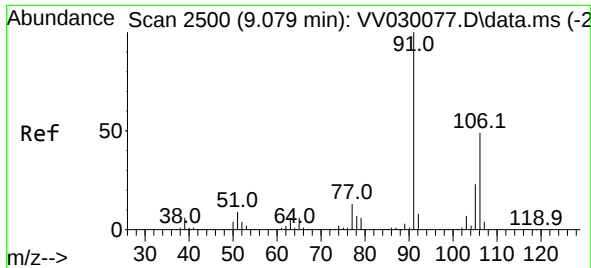
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#52
Ethylbenzene
Concen: 2.154 ug/L
RT: 8.956 min Scan# 2462
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

Tgt Ion: 91 Resp: 28242
Ion Ratio Lower Upper
91 100
106 30.3 22.0 40.8





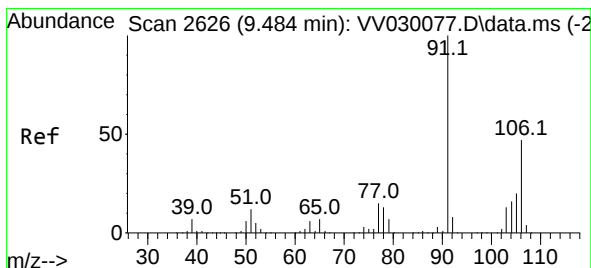
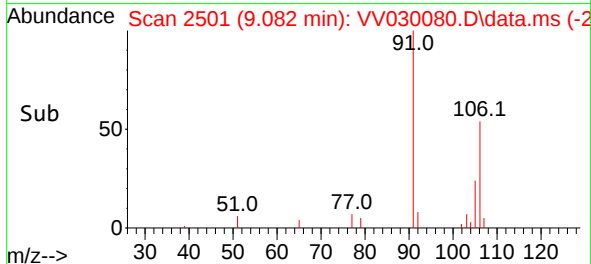
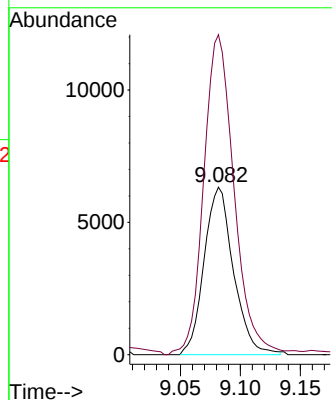
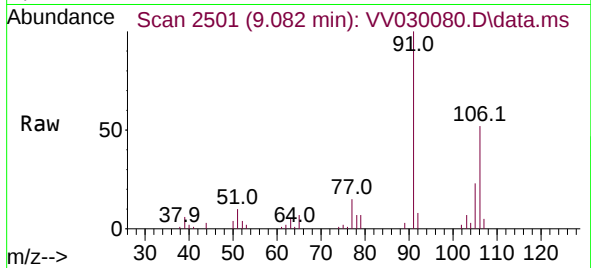
#53
m,p-Xylene
Concen: 2.152 ug/L
RT: 9.082 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

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

Tgt Ion:106 Resp: 1078
Ion Ratio Lower Upper
106 100
91 191.0 142.0 263.8

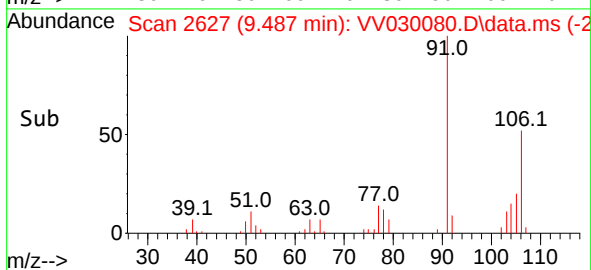
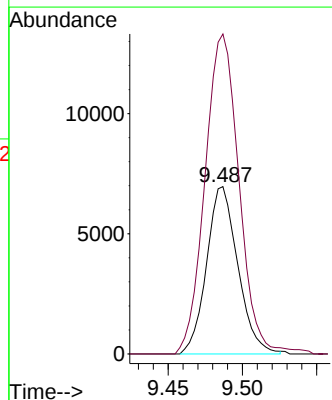
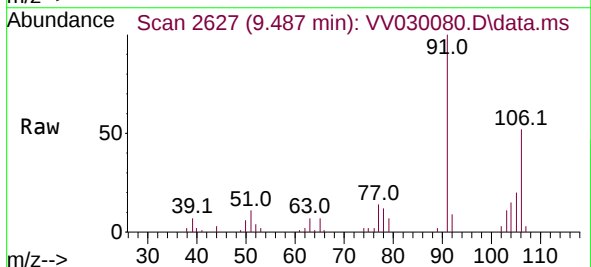
Manual Integrations
APPROVED

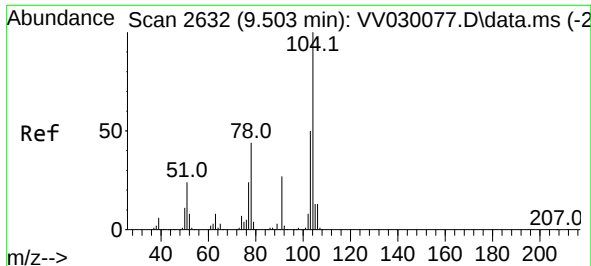
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#54
o-Xylene
Concen: 2.112 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

Tgt Ion:106 Resp: 10197
Ion Ratio Lower Upper
106 100
91 191.1 151.5 281.3





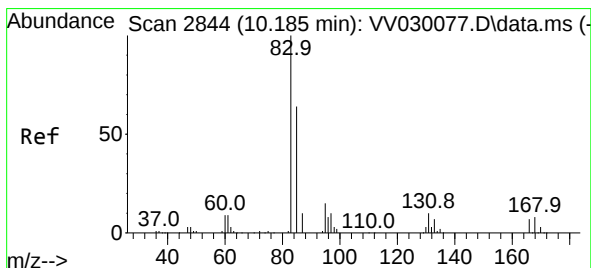
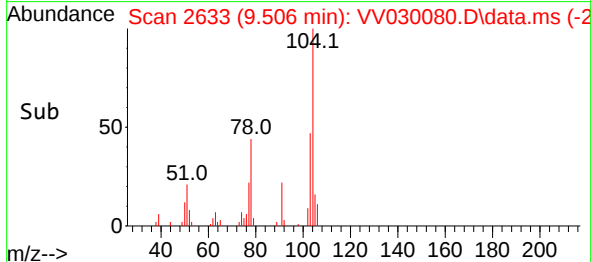
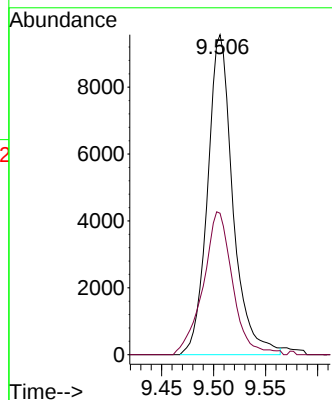
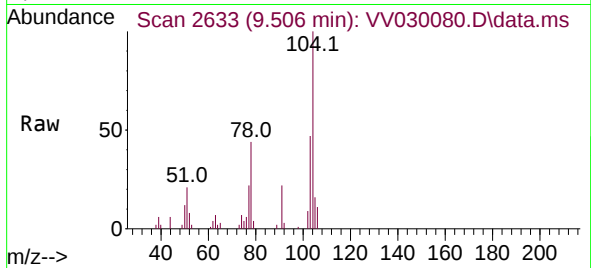
#55
Styrene
Concen: 1.967 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

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

Tgt Ion:104 Resp: 1622
Ion Ratio Lower Upper
104 100
78 44.2 31.9 59.2

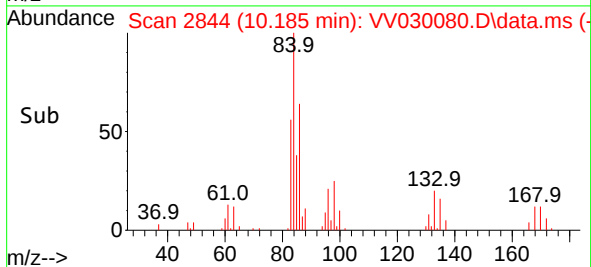
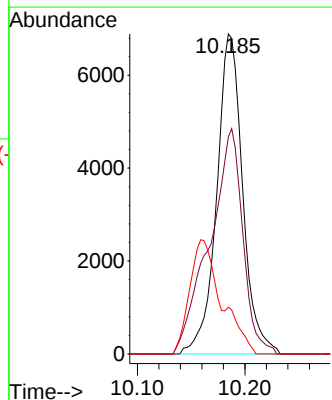
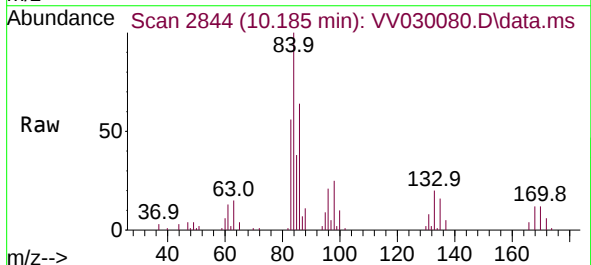
Manual Integrations
APPROVED

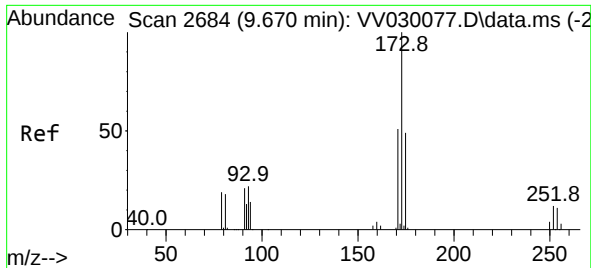
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#57
1,1,2,2-Tetrachloroethane
Concen: 2.390 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

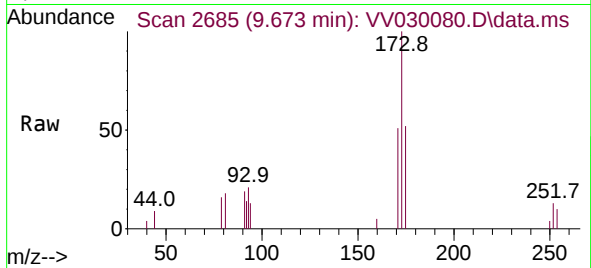
Tgt Ion: 83 Resp: 11560
Ion Ratio Lower Upper
83 100
85 67.8 45.5 84.5
131 14.6 8.3 12.5





#59
Bromoform
Concen: 2.476 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

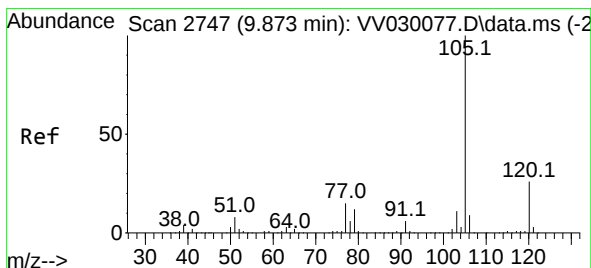
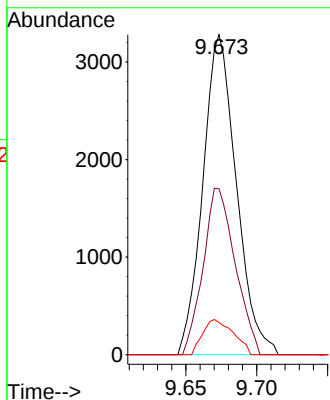
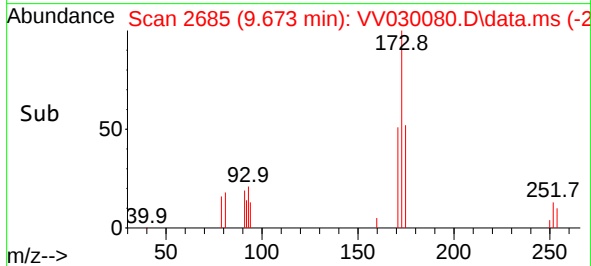
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-02



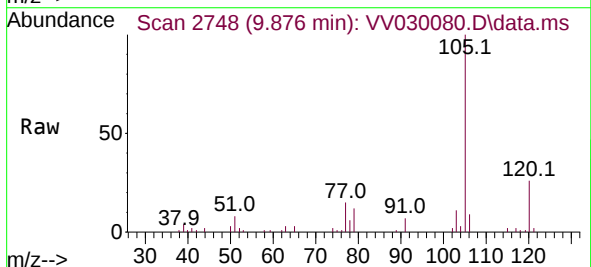
Tgt Ion:173 Resp: 538
Ion Ratio Lower Upper
173 100
175 49.8 38.7 58.1
254 10.1 8.7 13.1

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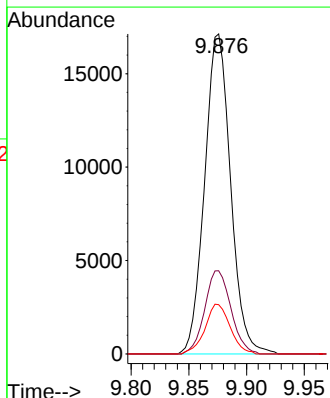
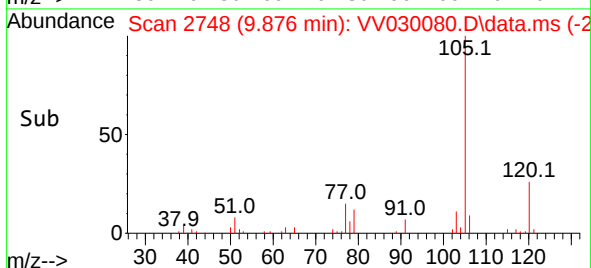
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

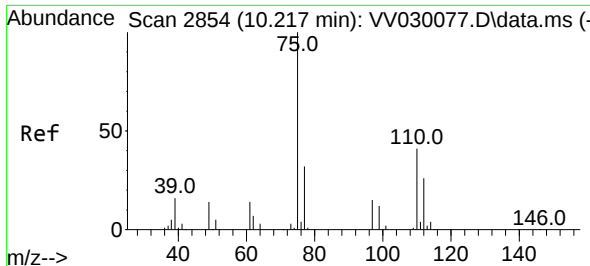


#60
Isopropylbenzene
Concen: 2.053 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36



Tgt Ion:105 Resp: 26816
Ion Ratio Lower Upper
105 100
120 26.2 21.4 32.0
77 15.1 12.2 18.2





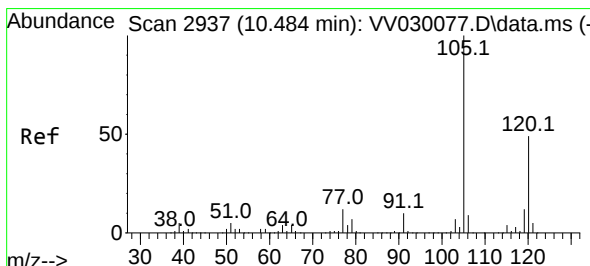
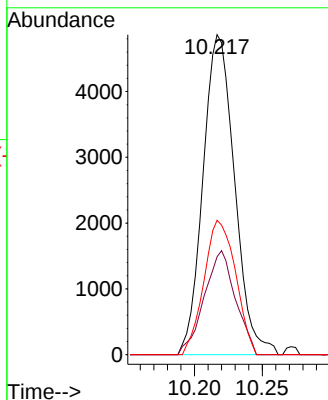
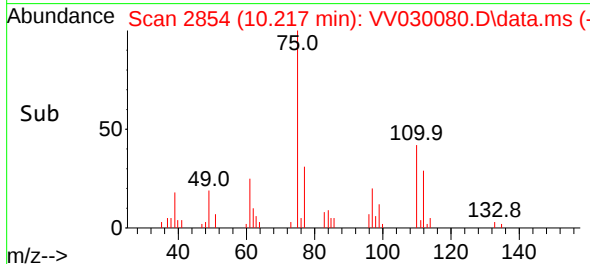
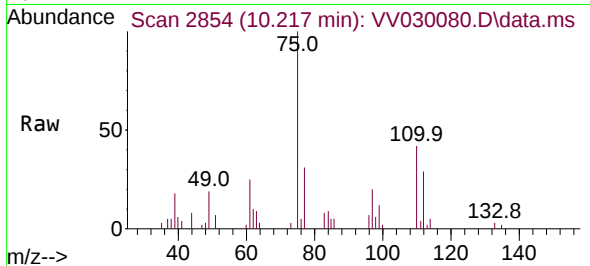
#61
1,2,3-Trichloropropane
Concen: 2.172 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

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

Tgt Ion: 75 Resp: 789
Ion Ratio Lower Upper
75 100
77 32.1 25.9 38.9
110 42.0 32.1 48.1

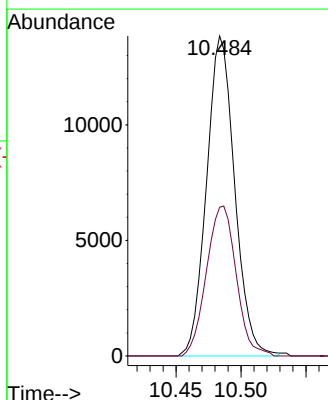
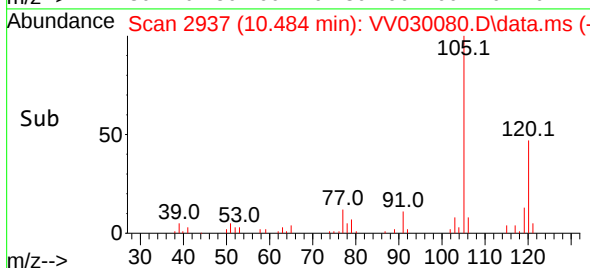
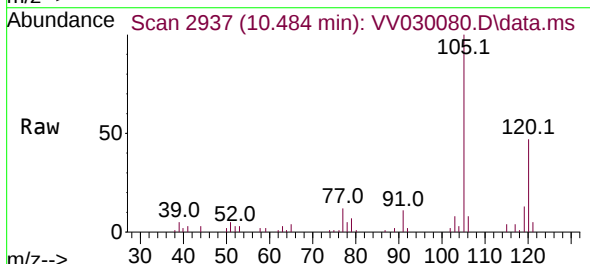
Manual Integrations
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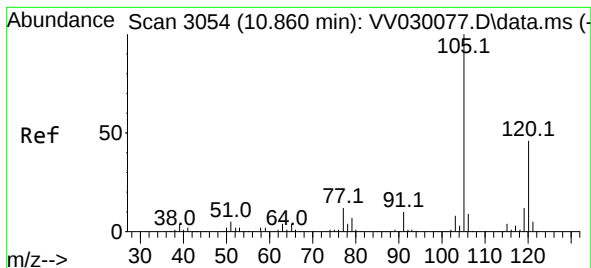
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#62
1,3,5-Trimethylbenzene
Concen: 1.926 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

Tgt Ion:105 Resp: 20836
Ion Ratio Lower Upper
105 100
120 49.4 39.0 58.4





#63

1,2,4-Trimethylbenzene

Concen: 1.848 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-02

Tgt Ion:105 Resp: 19650

Ion Ratio Lower Upper

105 100

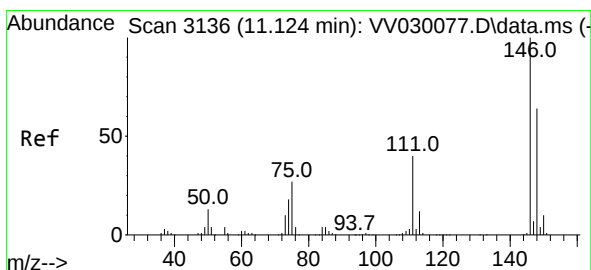
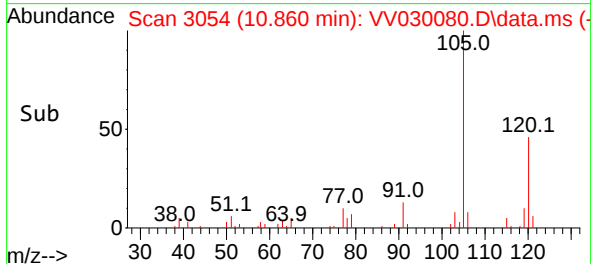
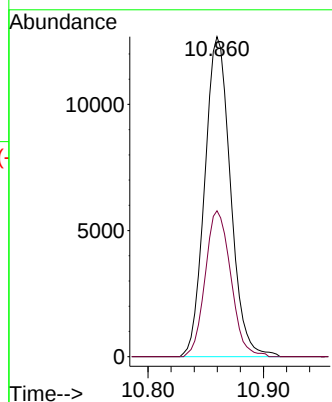
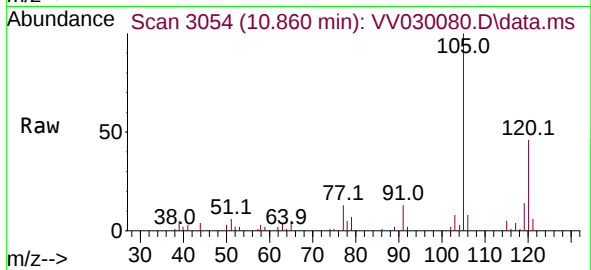
120 45.2 36.3 54.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#64

1,3-Dichlorobenzene

Concen: 2.279 ug/L

RT: 11.127 min Scan# 3137

Delta R.T. 0.003 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

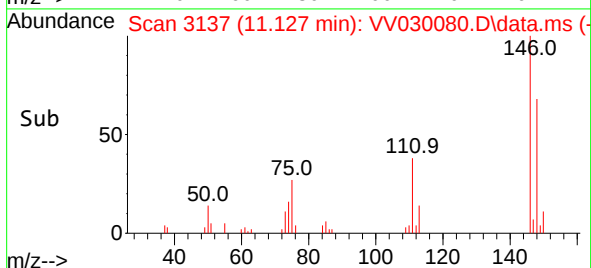
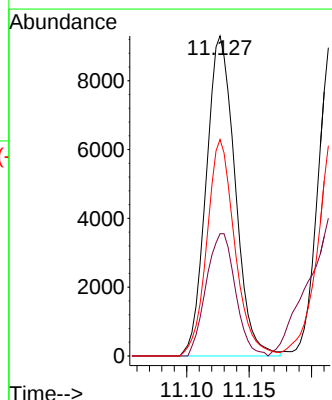
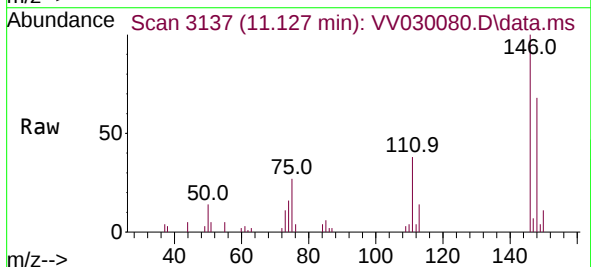
Tgt Ion:146 Resp: 15000

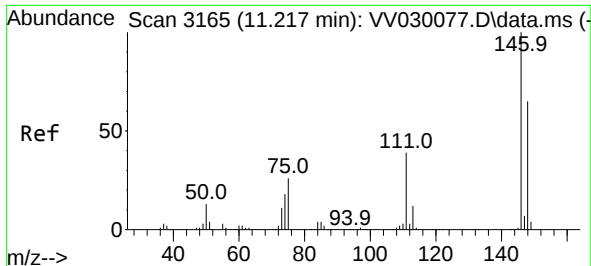
Ion Ratio Lower Upper

146 100

111 38.2 28.2 52.4

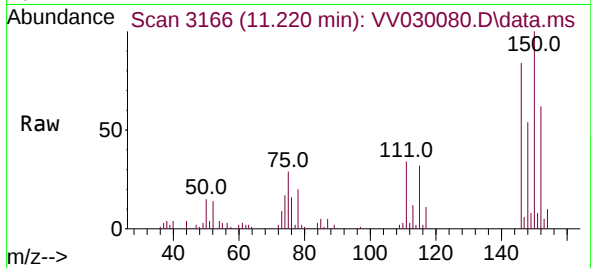
148 67.7 45.3 84.1





#65
1,4-Dichlorobenzene
Concen: 2.386 ug/L
RT: 11.220 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

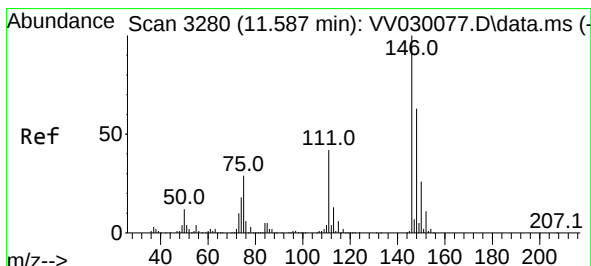
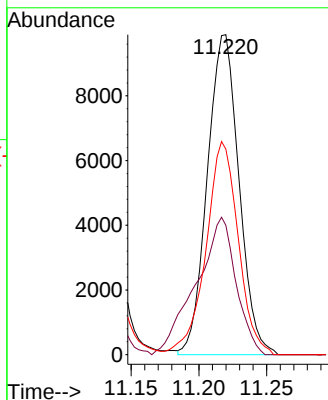
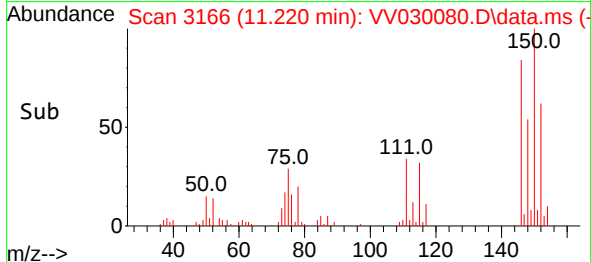
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-02



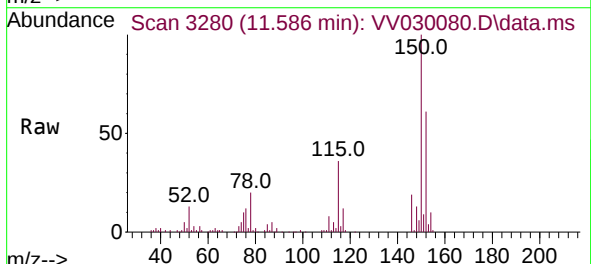
Tgt Ion:146 Resp: 1607
Ion Ratio Lower Upper
146 100
111 40.4 27.1 50.3
148 64.2 44.9 83.5

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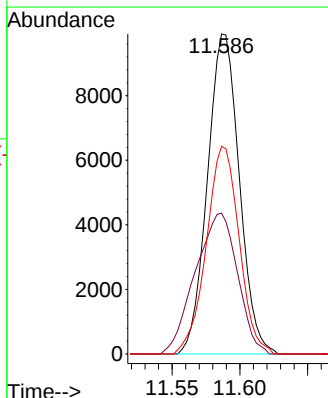
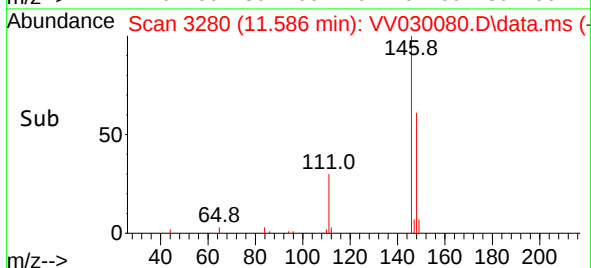
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

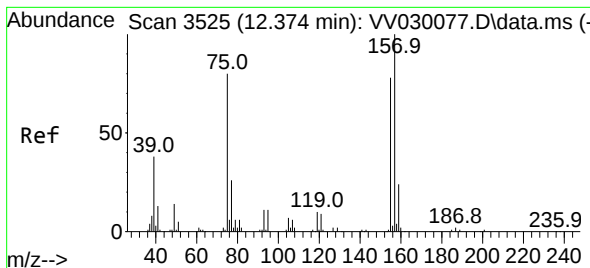


#67
1,2-Dichlorobenzene
Concen: 2.474 ug/L
RT: 11.586 min Scan# 3280
Delta R.T. -0.000 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36



Tgt Ion:146 Resp: 16212
Ion Ratio Lower Upper
146 100
111 44.0 33.0 49.4
148 64.9 50.7 76.1





#68

1,2-Dibromo-3-chloropropane

Concen: 2.233 ug/L

RT: 12.377 min Scan# 3525

Delta R.T. 0.003 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-02

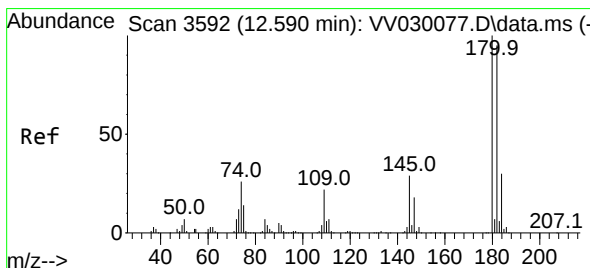
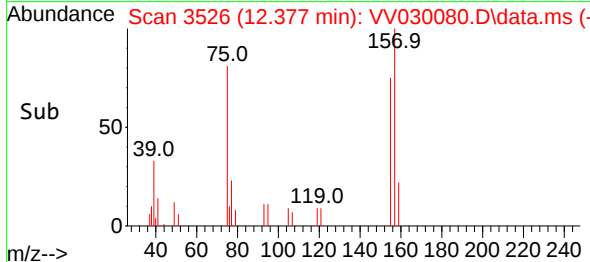
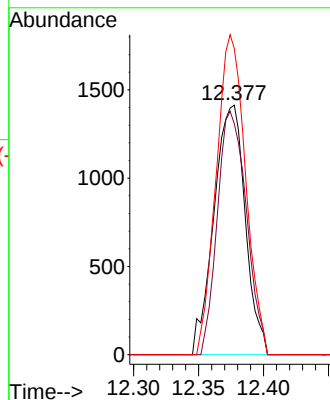
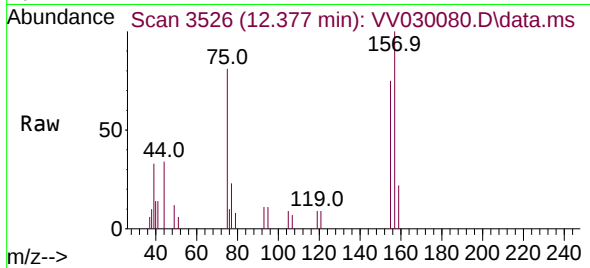
Tgt Ion: 75	Resp: 236
Ion Ratio	Lower Upper
75	100
155	92.6 76.2 114.2
157	122.7 96.0 144.0

Manual Integrations

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Reviewed By :Krupa Patel 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#69

1,3,5-Trichlorobenzene

Concen: 2.227 ug/L

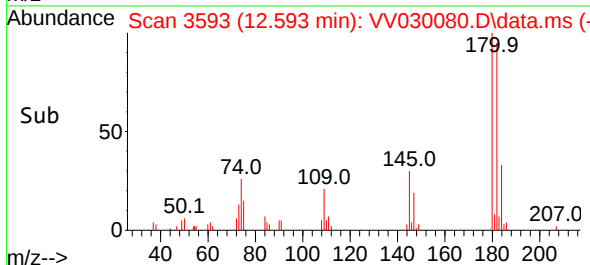
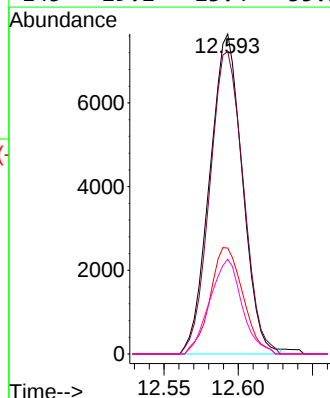
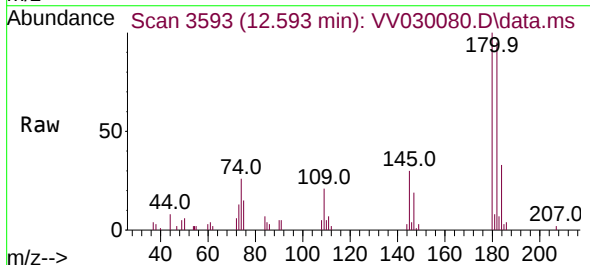
RT: 12.593 min Scan# 3593

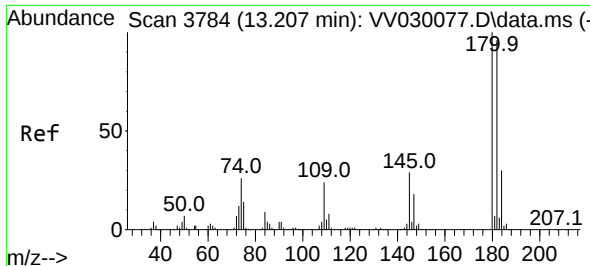
Delta R.T. 0.003 min

Lab File: VV030080.D

Acq: 22 Feb 2023 15:36

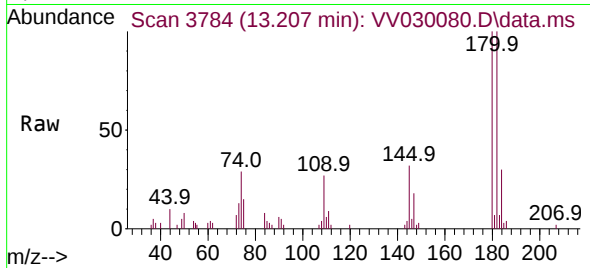
Tgt Ion:180	Resp: 11695
Ion Ratio	Lower Upper
180	100
182	96.8 76.4 114.6
184	33.5 24.5 36.7
145	29.2 23.4 35.2





#70
1,2,4-trichlorobenzene
Concen: 1.985 ug/L
RT: 13.207 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

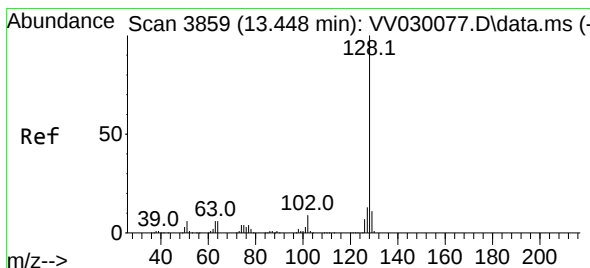
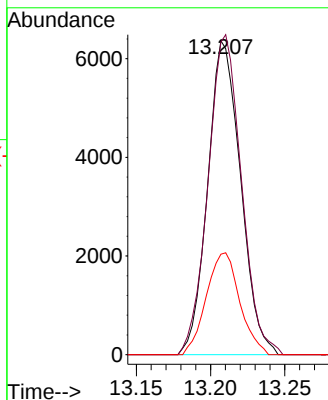
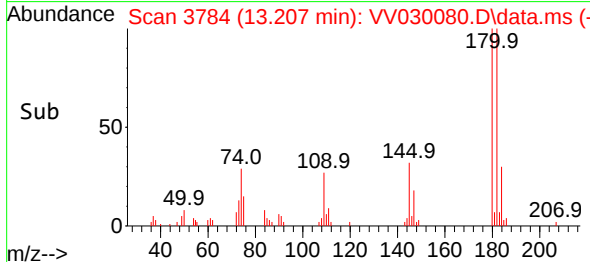
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2023-02



Tgt Ion:180 Resp: 980
Ion Ratio Lower Upper
180 100
182 103.4 76.6 114.8
145 33.0 24.3 36.5

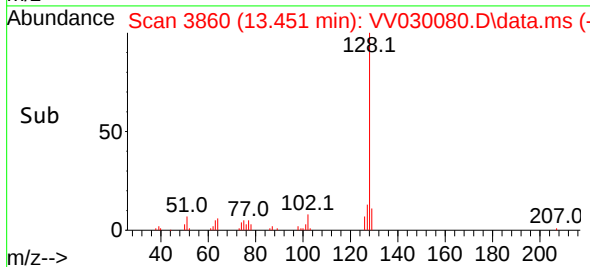
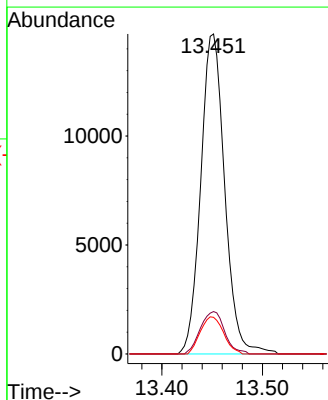
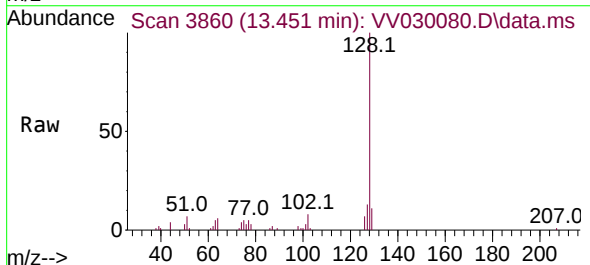
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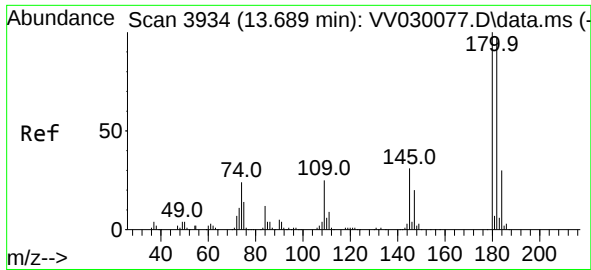
Reviewed By :Krupa Patel 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#71
Naphthalene
Concen: 1.698 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV030080.D
Acq: 22 Feb 2023 15:36

Tgt Ion:128 Resp: 24320
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 11.3 8.8 13.2





#72

1,2,3-Trichlorobenzene

Concen: 1.996 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. -0.000 min

Lab File: VV030080.D

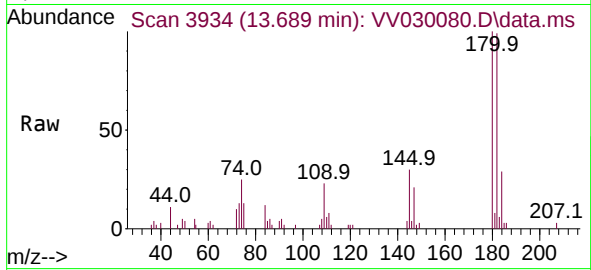
Acq: 22 Feb 2023 15:36

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT1-2023-02



Tgt Ion:180 Resp: 967

Ion Ratio Lower Upper

180 100

182 101.9 75.8 113.8

145 29.8 25.0 37.6

Manual Integrations

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Reviewed By :Krupa Patel 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023

