

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042123\
 Data File : VW030777.D
 Acq On : 21 Apr 2023 20:43
 Operator : SY/MD
 Sample : 02215-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2023-04

Quant Time: Apr 22 02:43:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 22 00:43:23 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 04/25/2023
 Supervised By :Mahesh Dadoda 04/25/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	225217	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	219440	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	109780	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	69422	42.048	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.100%		
7) Chloroethane-d5	1.539	69	61250	44.270	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.540%		
11) 1,1-Dichloroethene-d2	2.066	65	34533	44.105	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	88.220%		
21) 2-Butanone-d5	3.802	46	77142	85.067	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.070%		
24) Chloroform-d	4.259	84	129611	43.319	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.640%		
26) 1,2-Dichloroethane-d4	4.950	65	91772	47.708	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.420%		
32) Benzene-d6	4.970	84	237169	45.713	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	91.420%		
36) 1,2-Dichloropropane-d6	5.998	67	72246	44.829	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	89.660%		
41) Toluene-d8	7.249	98	207728	42.644	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.280%		
43) trans-1,3-Dichloroprop...	7.561	79	34344	42.282	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.560%		
47) 2-Hexanone-d5	8.034	63	51141	80.554	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.550%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	98652	42.186	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	84.380%		
66) 1,2-Dichlorobenzene-d4	11.571	152	87137	49.938	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.880%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	4710	2.432	ug/L	98
3) Chloromethane	1.220	50	7261	2.859	ug/L	98
5) Vinyl chloride	1.288	62	5365	2.620	ug/L #	75
6) Bromomethane	1.494	94	2217	2.730	ug/L	89
8) Chloroethane	1.555	64	3471	2.471	ug/L	99
9) Trichlorofluoromethane	1.719	101	8869	2.672	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	5361	3.073	ug/L #	87
12) 1,1-Dichloroethene	2.076	96	4923	3.122	ug/L #	1
13) Acetone	2.127	43	5706m	4.066	ug/L	
14) Carbon disulfide	2.246	76	9325	2.094	ug/L	99
15) Methyl Acetate	2.388	43	4976m	2.657	ug/L	
16) Methylene chloride	2.455	84	5320	2.948	ug/L	95
17) trans-1,2-Dichloroethene	2.706	96	3768	2.367	ug/L	87
18) Methyl tert-butyl Ether	2.712	73	12383	2.428	ug/L #	85
19) 1,1-Dichloroethane	3.124	63	7200	2.218	ug/L	89
20) cis-1,2-Dichloroethene	3.828	96	4151	2.397	ug/L	94
22) 2-Butanone	3.905	43	7105m	4.900	ug/L	
23) Bromochloromethane	4.159	128	2432m	2.514	ug/L	
25) Chloroform	4.288	83	9216	2.743	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.060	62	7193	2.529	ug/L #	93
29) Cyclohexane	4.597	56	5845	2.220	ug/L	96
30) 1,1,1-Trichloroethane	4.526	97	7491	2.429	ug/L	92
31) Carbon tetrachloride	4.744	117	6717	2.436	ug/L	96
33) Benzene	5.021	78	17454m	2.619	ug/L	
34) Trichloroethene	5.847	95	4427	2.554	ug/L	97
35) Methylcyclohexane	6.063	83	5636	2.075	ug/L	91
37) 1,2-Dichloropropane	6.105	63	4761m	2.654	ug/L	
38) Bromodichloromethane	6.449	83	6418	2.547	ug/L #	91
39) cis-1,3-Dichloropropene	6.966	75	6507m	2.417	ug/L	
40) 4-Methyl-2-pentanone	7.175	43	10047m	4.010	ug/L	
42) Toluene	7.326	91	16440	2.303	ug/L	99
44) trans-1,3-Dichloropropene	7.596	75	6353	2.402	ug/L	100
45) 1,1,2-Trichloroethane	7.780	97	4465	2.483	ug/L	95
46) Tetrachloroethene	7.915	164	3752	2.473	ug/L	91
48) 2-Hexanone	8.088	43	13306m	6.437	ug/L	
49) Dibromochloromethane	8.188	129	4810	2.425	ug/L	97
50) 1,2-Dibromoethane	8.294	107	4258	2.285	ug/L #	98
51) Chlorobenzene	8.821	112	13297	2.813	ug/L	98
52) Ethylbenzene	8.957	91	17221	2.179	ug/L	98
53) m,p-Xylene	9.085	106	6325	2.119	ug/L	90
54) o-Xylene	9.487	106	6458	2.212	ug/L	81
55) Styrene	9.506	104	10131	1.975	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.185	83	7146	2.420	ug/L #	98
59) Bromoform	9.674	173	3765	2.739	ug/L #	91
60) Isopropylbenzene	9.876	105	15530	2.268	ug/L	93
61) 1,2,3-Trichloropropane	10.220	75	5129	2.609	ug/L	96
62) 1,3,5-Trimethylbenzene	10.487	105	12501	2.218	ug/L	91
63) 1,2,4-Trimethylbenzene	10.860	105	11970	2.127	ug/L	93
64) 1,3-Dichlorobenzene	11.130	146	8796	2.566	ug/L	98
65) 1,4-Dichlorobenzene	11.220	146	10472	2.897	ug/L	98
67) 1,2-Dichlorobenzene	11.587	146	10968	3.172	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.374	75	1795	3.081	ug/L #	88
69) 1,3,5-Trichlorobenzene	12.590	180	5884	2.272	ug/L	98
70) 1,2,4-trichlorobenzene	13.210	180	4544	2.067	ug/L	94
71) Naphthalene	13.451	128	9937	1.652	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	4338	1.990	ug/L	92

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

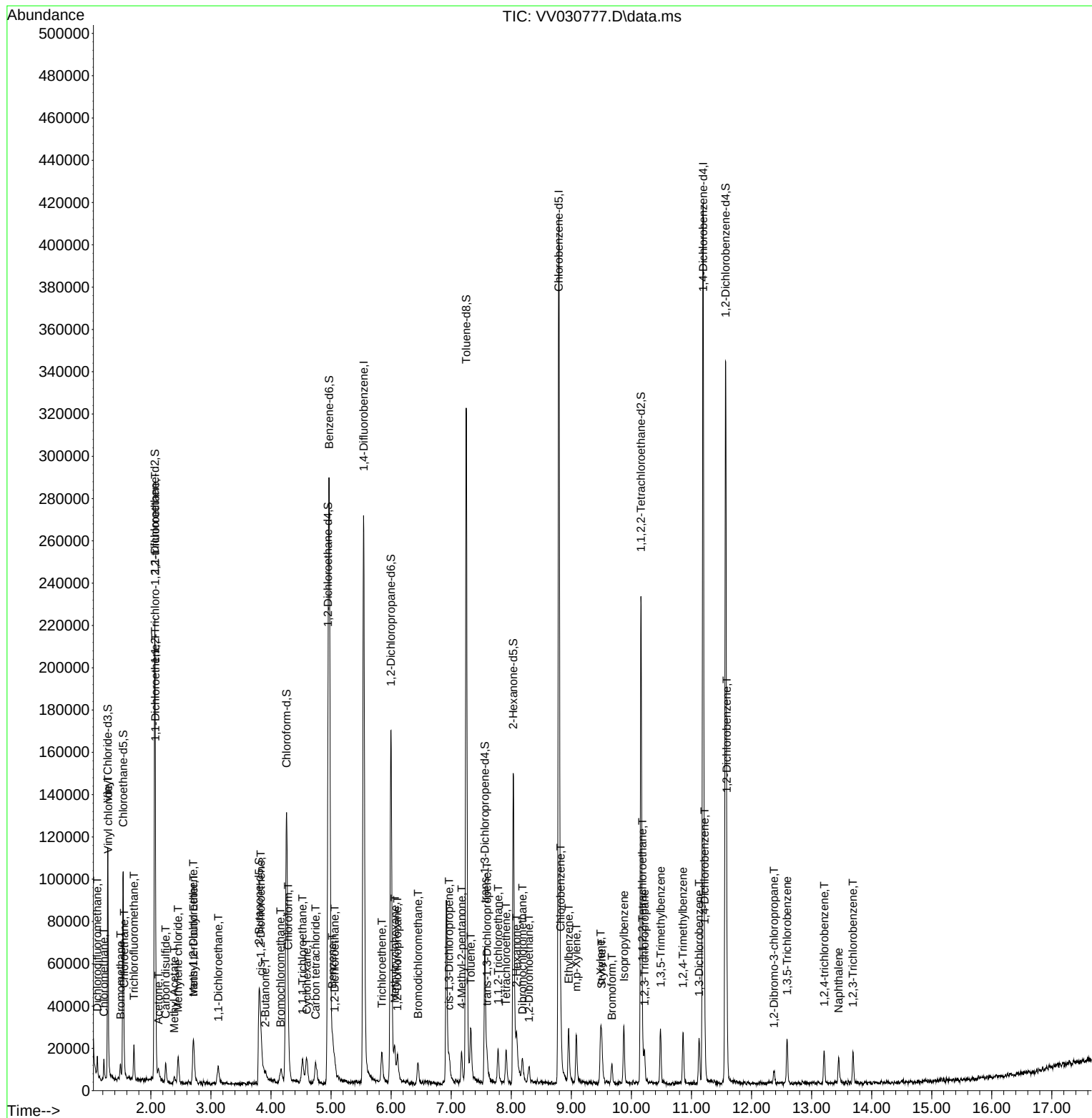
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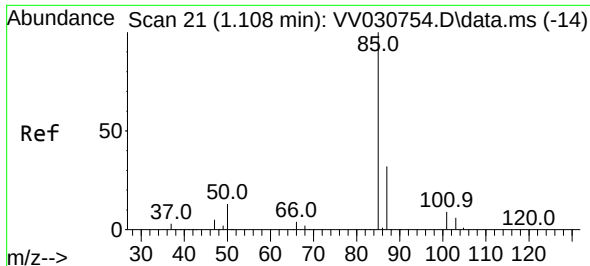
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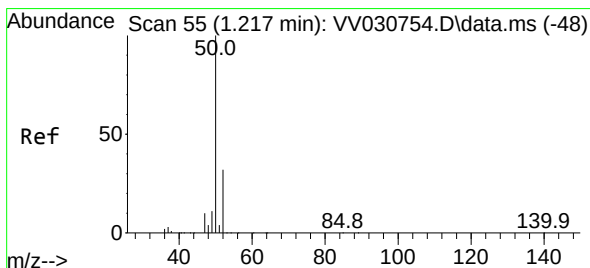
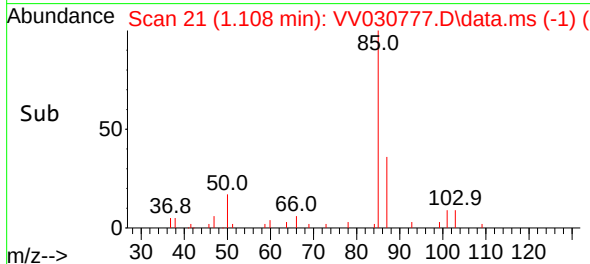
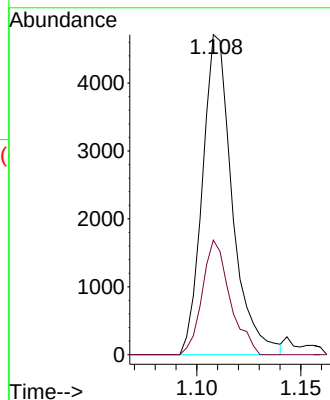
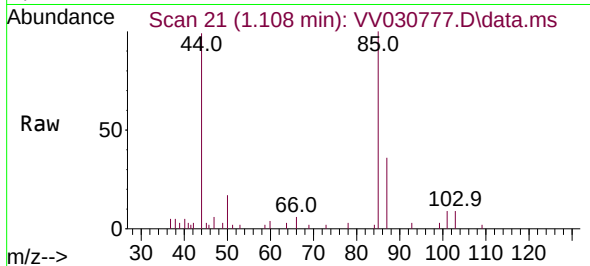
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Dichlorodifluoromethane
Concen: 2.432 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2023-04

Tgt Ion: 85 Resp: 4710
Ion Ratio Lower Upper
85 100
87 33.1 25.6 38.4

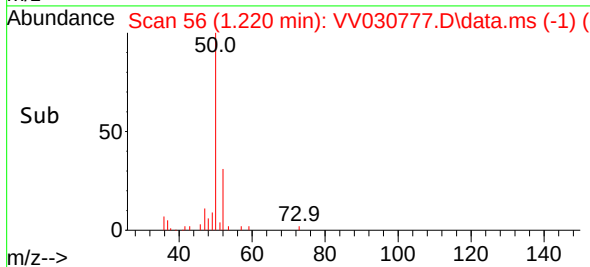
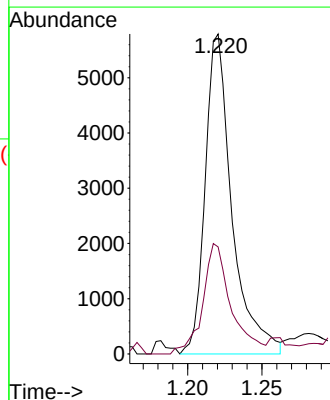
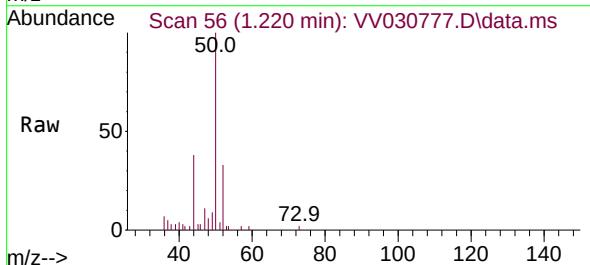
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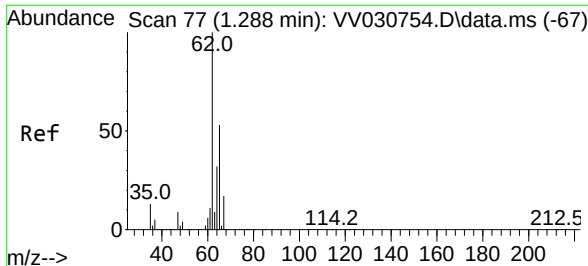
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#3
Chloromethane
Concen: 2.859 ug/L
RT: 1.220 min Scan# 56
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

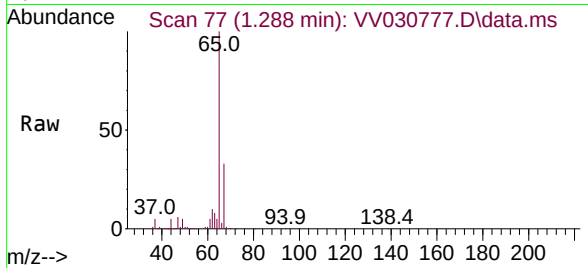
Tgt Ion: 50 Resp: 7261
Ion Ratio Lower Upper
50 100
52 33.5 22.5 41.9





#5
 Vinyl chloride
 Concen: 2.620 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. -0.000 min
 Lab File: VV030777.D
 Acq: 21 Apr 2023 20:43

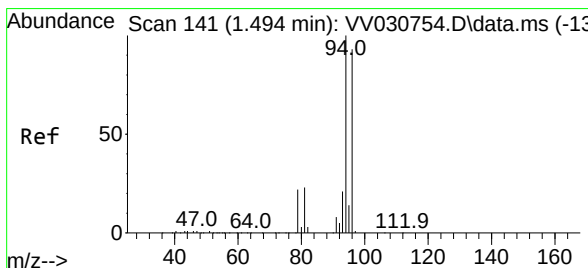
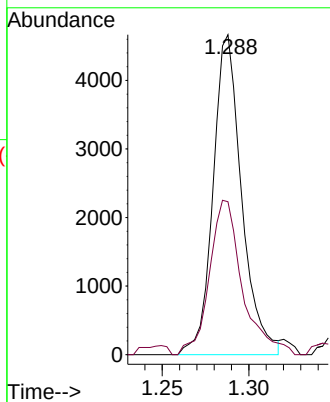
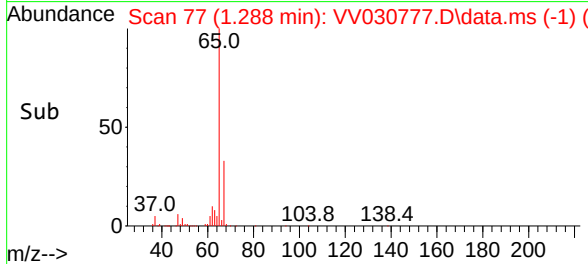
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2023-04



Tgt Ion: 62 Resp: 536
 Ion Ratio Lower Upper
 62 100
 64 47.8 23.4 43.4

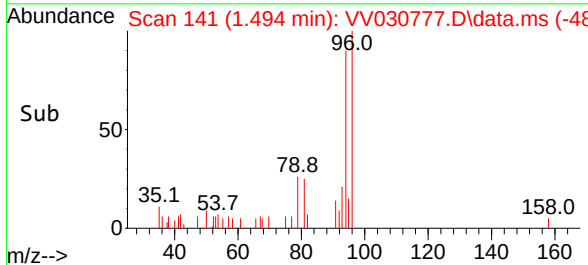
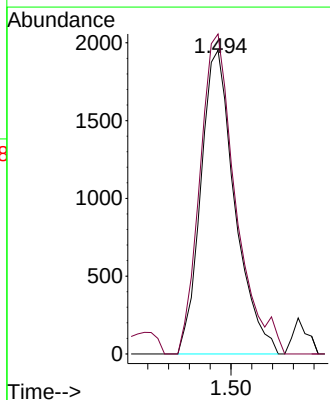
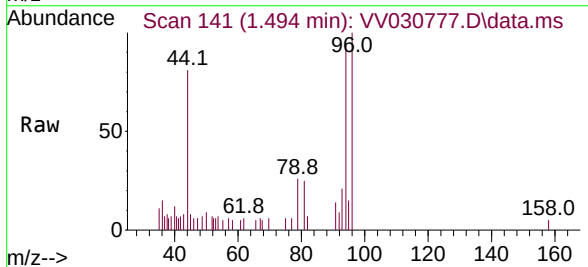
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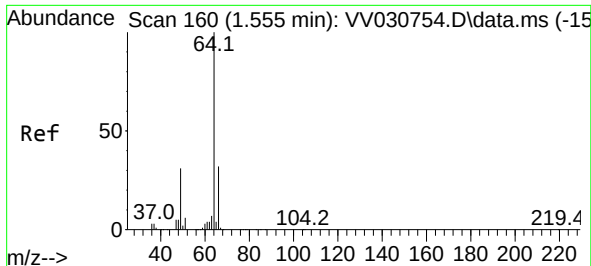
Reviewed By :Krupa Patel 04/25/2023
 Supervised By :Mahesh Dadoda 04/25/2023



#6
 Bromomethane
 Concen: 2.730 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. -0.000 min
 Lab File: VV030777.D
 Acq: 21 Apr 2023 20:43

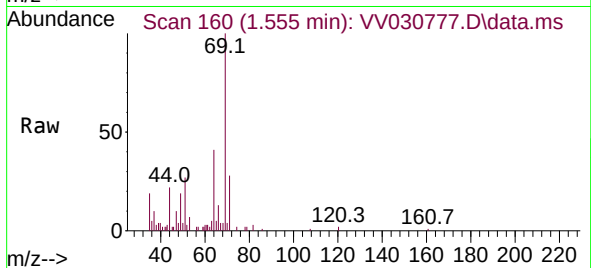
Tgt Ion: 94 Resp: 2217
 Ion Ratio Lower Upper
 94 100
 96 105.4 66.3 123.1





#8
Chloroethane
Concen: 2.471 ug/L
RT: 1.555 min Scan# 160
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

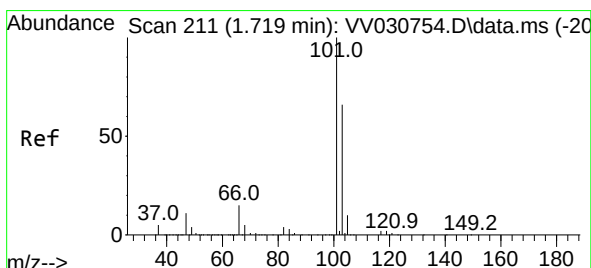
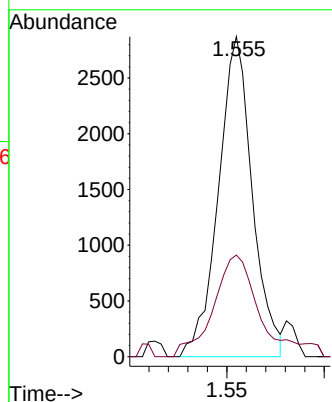
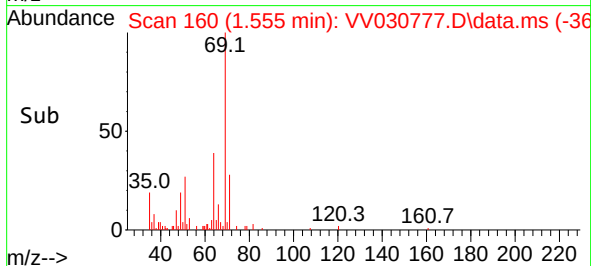
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2023-04



Tgt Ion: 64 Resp: 347
Ion Ratio Lower Upper
64 100
66 31.8 22.7 42.3

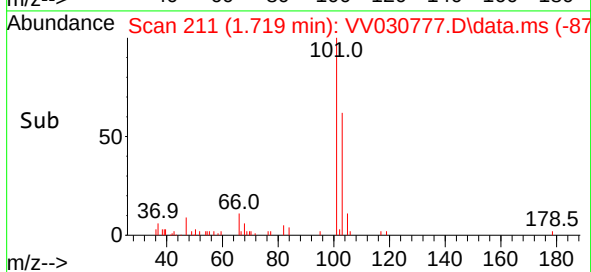
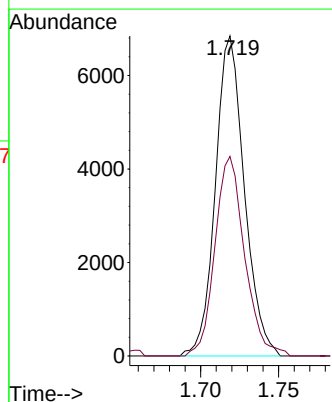
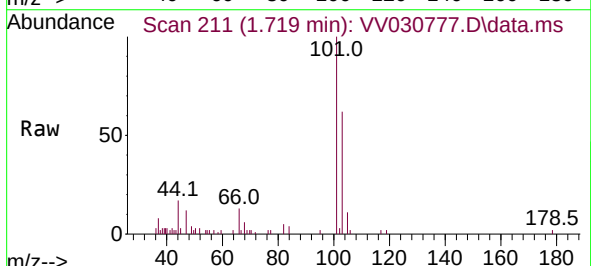
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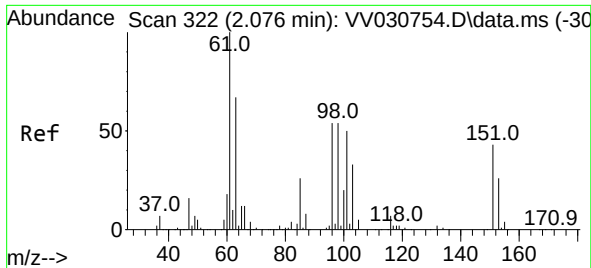
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#9
Trichlorofluoromethane
Concen: 2.672 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

Tgt Ion:101 Resp: 8869
Ion Ratio Lower Upper
101 100
103 63.8 51.4 77.0





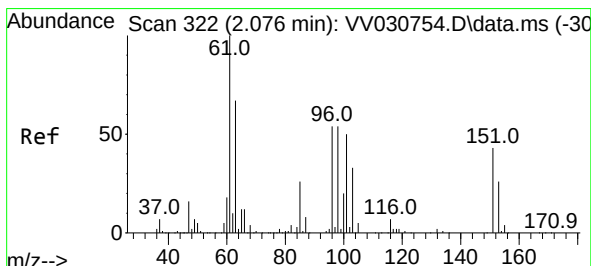
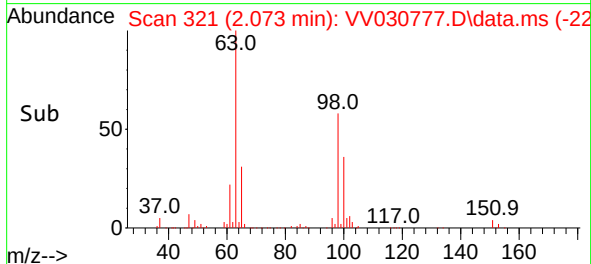
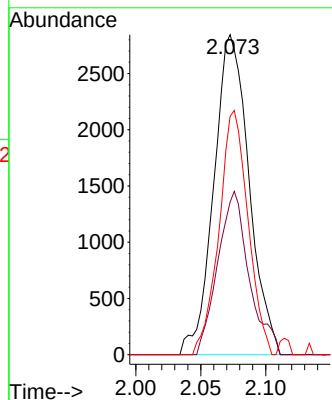
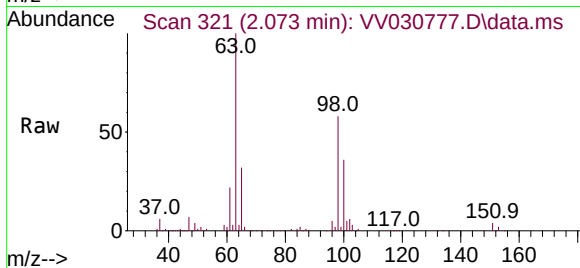
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.073 ug/L
RT: 2.073 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV030777.D
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Tgt Ion:101 Resp: 536
Ion Ratio Lower Upper
101 100
85 45.5 37.5 56.3
151 63.0 63.5 95.3

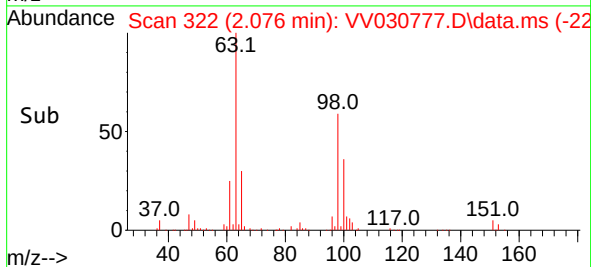
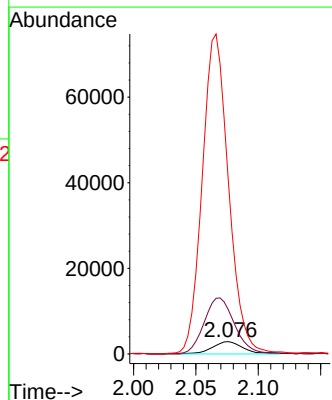
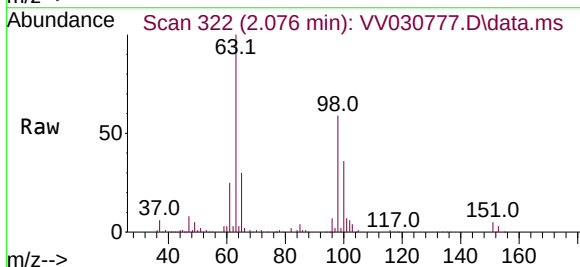
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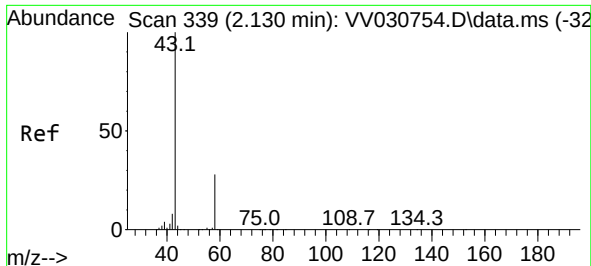
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#12
1,1-Dichloroethene
Concen: 3.122 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

Tgt Ion: 96 Resp: 4923
Ion Ratio Lower Upper
96 100
61 364.1 131.9 245.0#
63 1438.5 99.8 185.3#





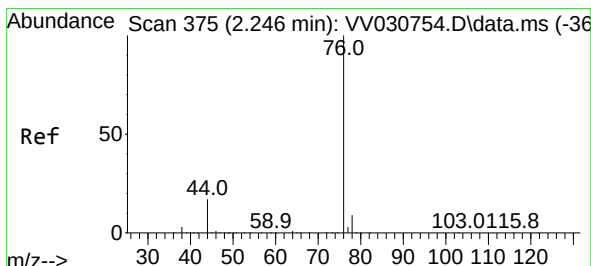
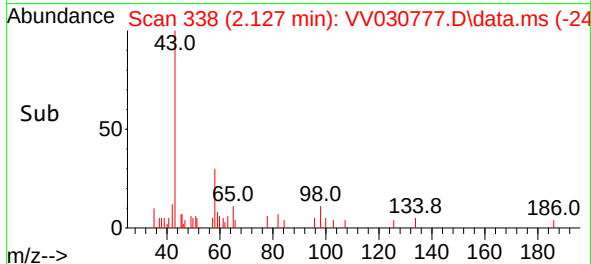
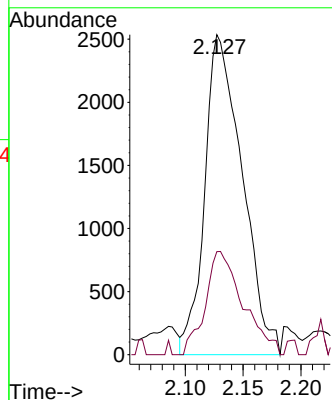
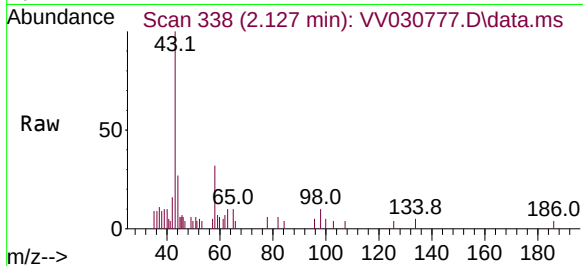
#13
Acetone
Concen: 4.066 ug/L m
RT: 2.127 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

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MDL-WATER-QT2-2023-04

Tgt Ion: 43 Resp: 5700
Ion Ratio Lower Upper
43 100
58 27.3 0.0 52.8

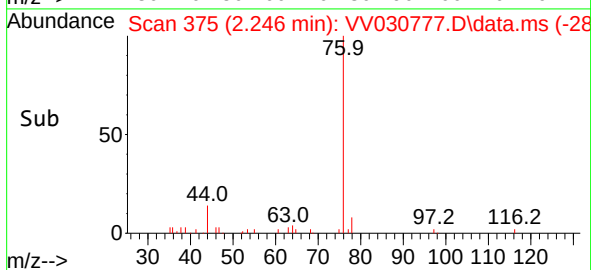
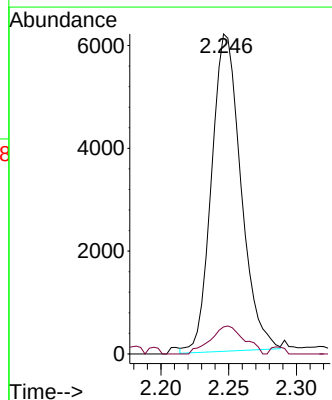
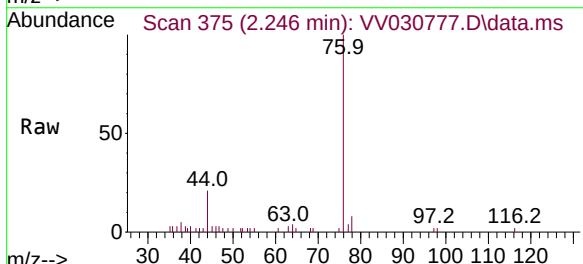
Manual Integrations
APPROVED

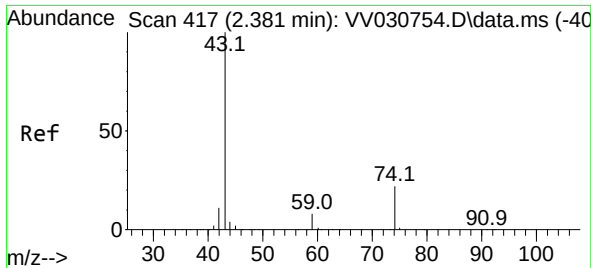
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#14
Carbon disulfide
Concen: 2.094 ug/L
RT: 2.246 min Scan# 375
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

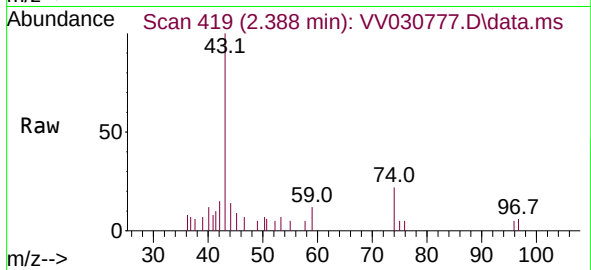
Tgt Ion: 76 Resp: 9325
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.4





#15
Methyl Acetate
Concen: 2.657 ug/L m
RT: 2.388 min Scan# 417
Delta R.T. 0.006 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

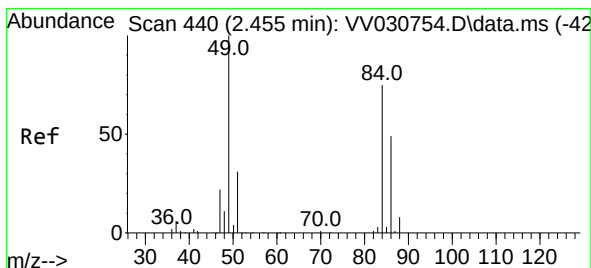
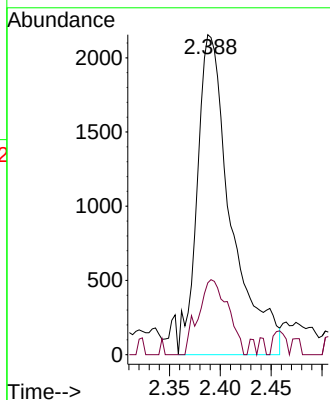
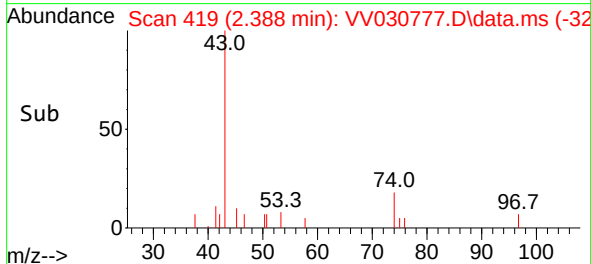
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion: 43 Resp: 4970
Ion Ratio Lower Upper
43 100
74 1.3 17.7 26.5

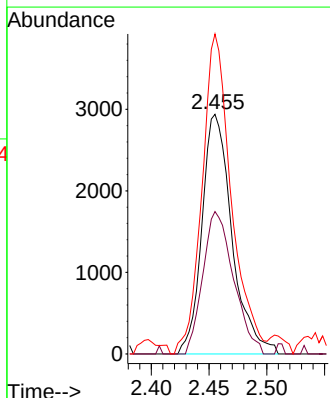
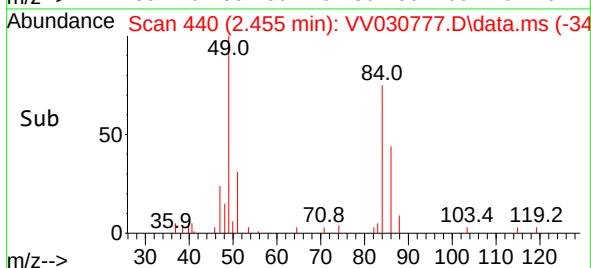
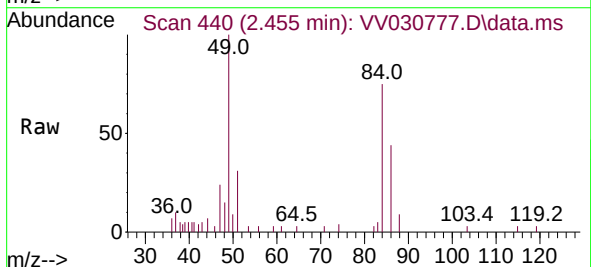
Manual Integrations
APPROVED

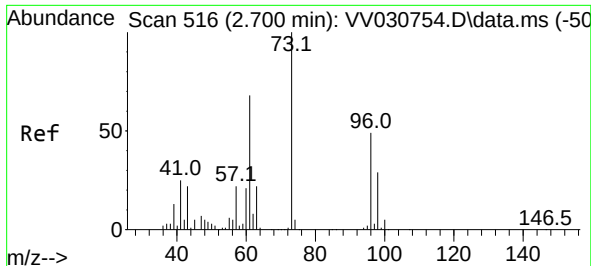
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#16
Methylene chloride
Concen: 2.948 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

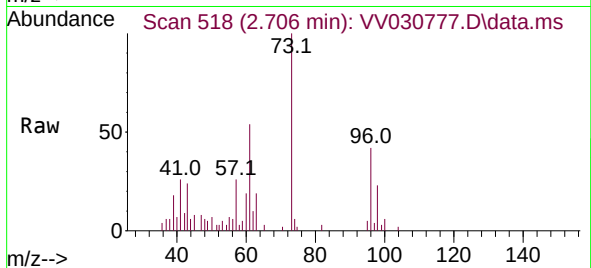
Tgt Ion: 84 Resp: 5320
Ion Ratio Lower Upper
84 100
86 59.4 45.4 84.2
49 133.5 90.4 168.0





#17
trans-1,2-Dichloroethene
Concen: 2.367 ug/L
RT: 2.706 min Scan# 516
Delta R.T. 0.006 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

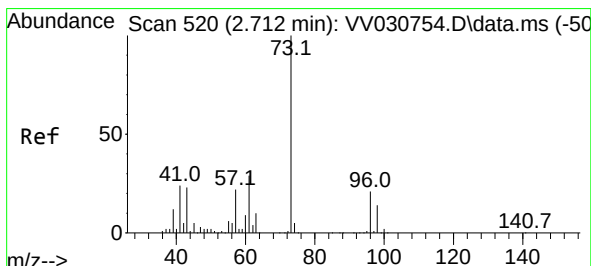
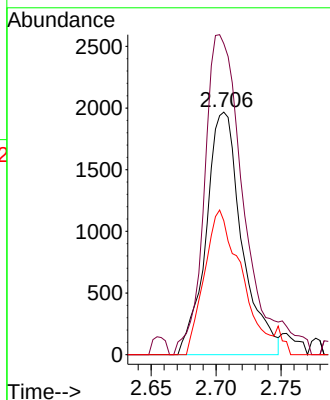
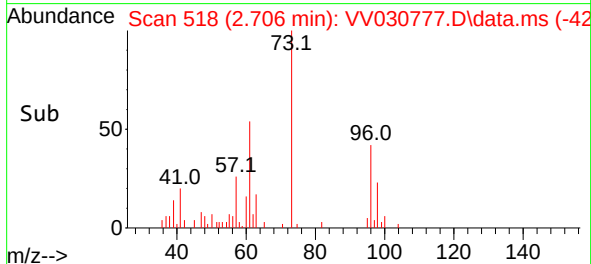
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion: 96 Resp: 3768
Ion Ratio Lower Upper
96 100
61 128.3 101.0 187.6
98 55.2 45.4 84.2

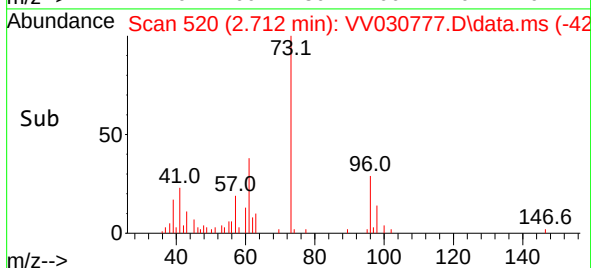
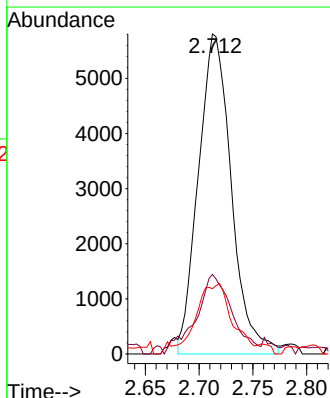
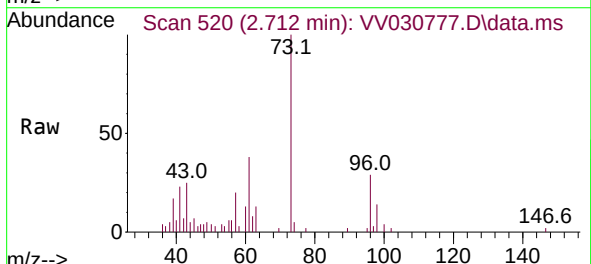
Manual Integrations
APPROVED

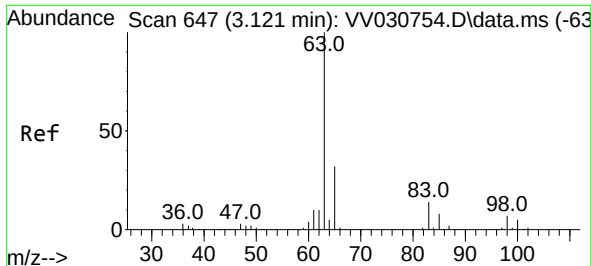
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#18
Methyl tert-butyl Ether
Concen: 2.428 ug/L
RT: 2.712 min Scan# 520
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

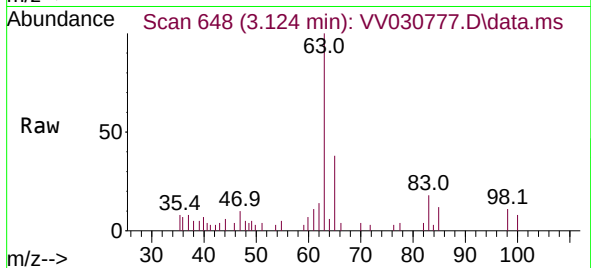
Tgt Ion: 73 Resp: 12383
Ion Ratio Lower Upper
73 100
43 21.4 17.6 26.4
57 9.3 18.2 27.2#





#19
1,1-Dichloroethane
Concen: 2.218 ug/L
RT: 3.124 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

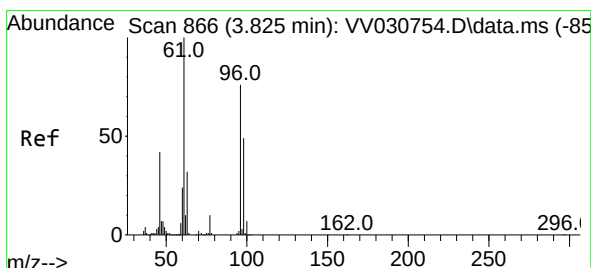
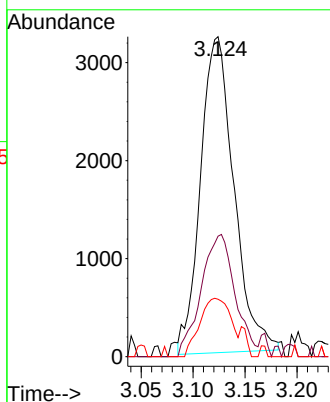
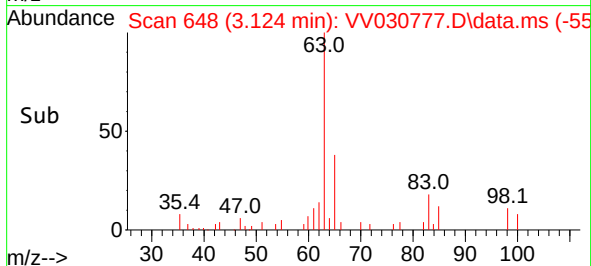
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2023-04



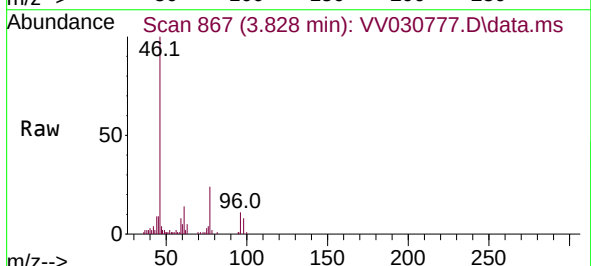
Tgt Ion: 63 Resp: 7200
Ion Ratio Lower Upper
63 100
65 37.6 21.8 40.6
83 17.9 10.2 19.0

Manual Integrations
APPROVED

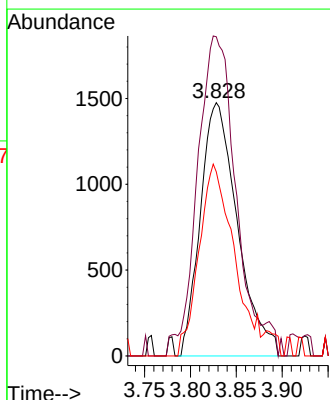
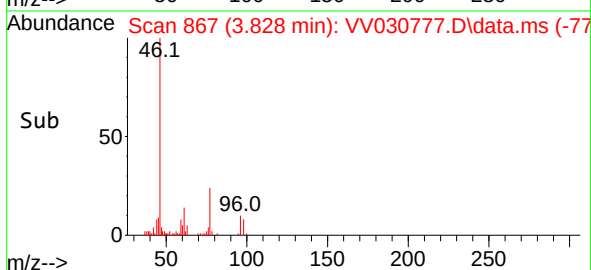
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

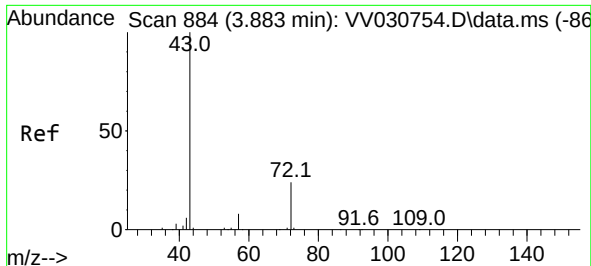


#20
cis-1,2-Dichloroethene
Concen: 2.397 ug/L
RT: 3.828 min Scan# 867
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43



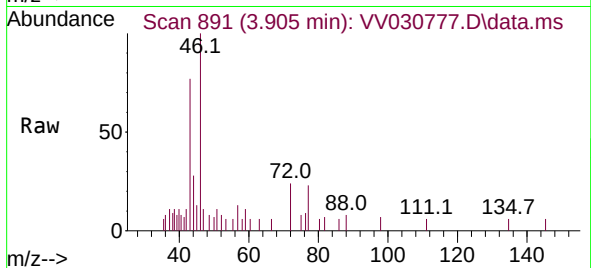
Tgt Ion: 96 Resp: 4151
Ion Ratio Lower Upper
96 100
61 126.0 92.3 171.3
98 72.7 45.9 85.3





#22
2-Butanone
Concen: 4.900 ug/L m
RT: 3.905 min Scan# 891
Delta R.T. 0.022 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

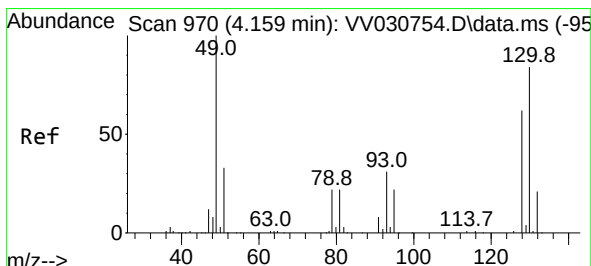
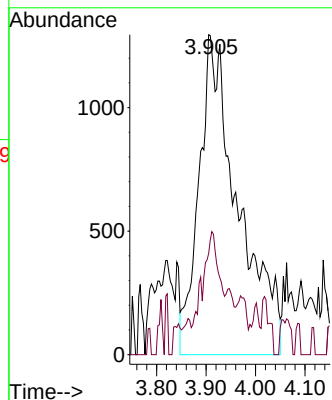
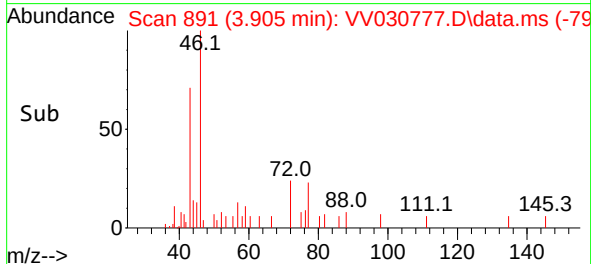
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion: 43 Resp: 710
Ion Ratio Lower Upper
43 100
72 0.6 11.5 34.4

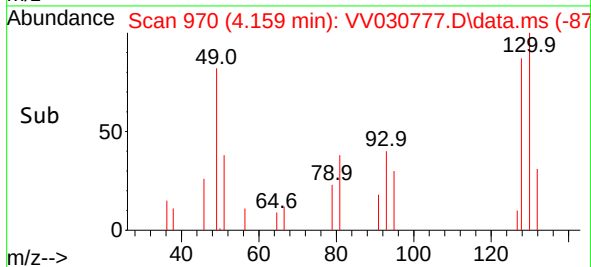
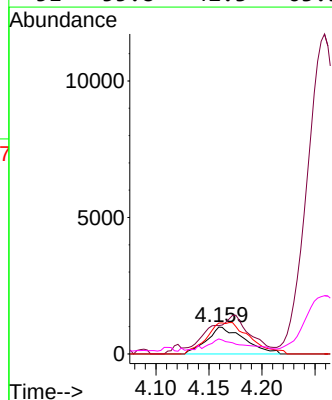
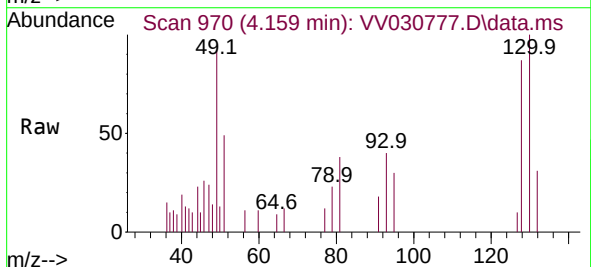
Manual Integrations
APPROVED

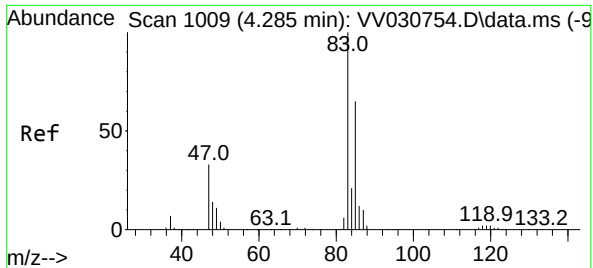
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#23
Bromochloromethane
Concen: 2.514 ug/L m
RT: 4.159 min Scan# 970
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

Tgt Ion:128 Resp: 2432
Ion Ratio Lower Upper
128 100
49 105.6 114.7 213.1#
130 115.0 89.0 165.2
51 55.8 42.3 63.5





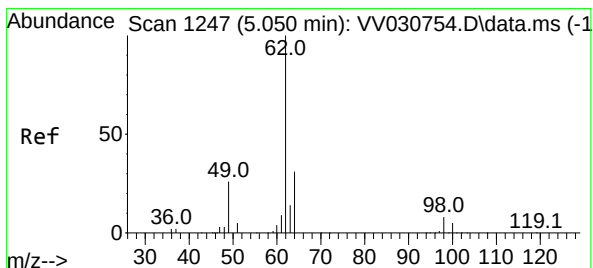
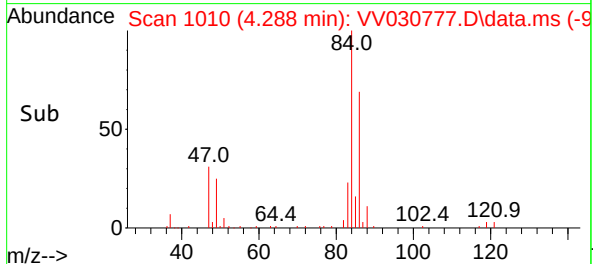
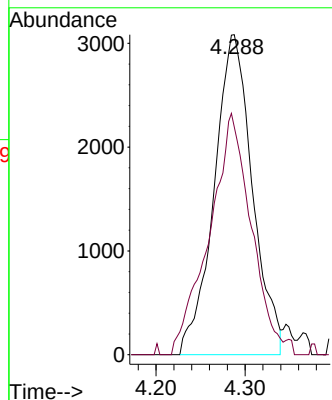
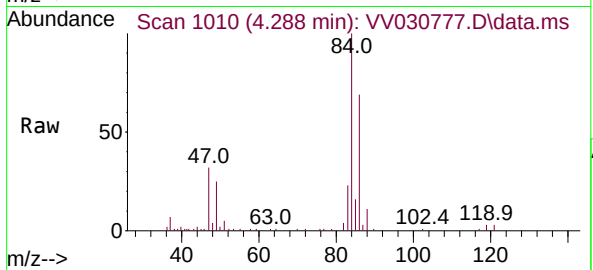
#25
Chloroform
Concen: 2.743 ug/L
RT: 4.288 min Scan# 1009
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2023-04

Tgt Ion: 83 Resp: 9210
Ion Ratio Lower Upper
83 100
85 71.1 45.8 85.2

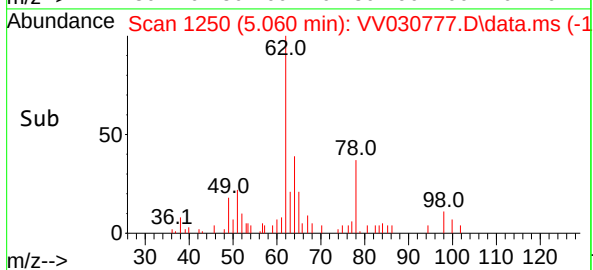
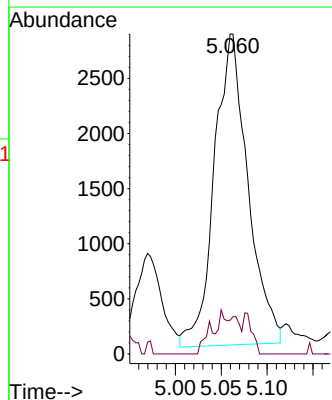
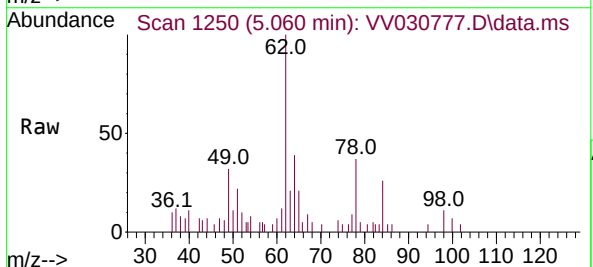
Manual Integrations
APPROVED

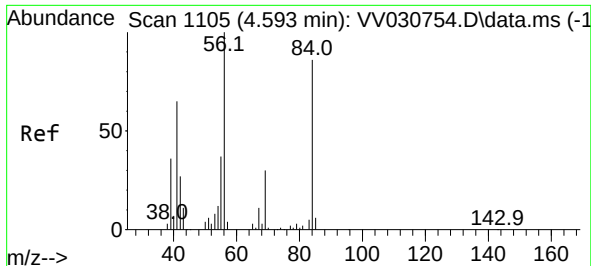
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#27
1,2-Dichloroethane
Concen: 2.529 ug/L
RT: 5.060 min Scan# 1250
Delta R.T. 0.010 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

Tgt Ion: 62 Resp: 7193
Ion Ratio Lower Upper
62 100
98 10.6 6.4 9.6#





#29

Cyclohexane

Concen: 2.220 ug/L

RT: 4.597 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030777.D

Acq: 21 Apr 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2023-04

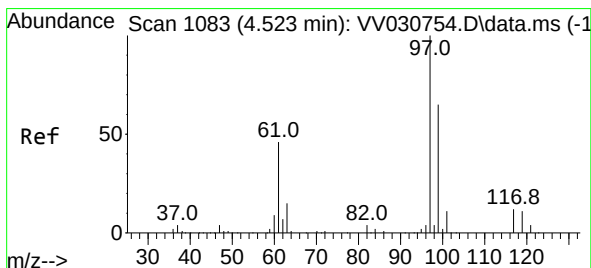
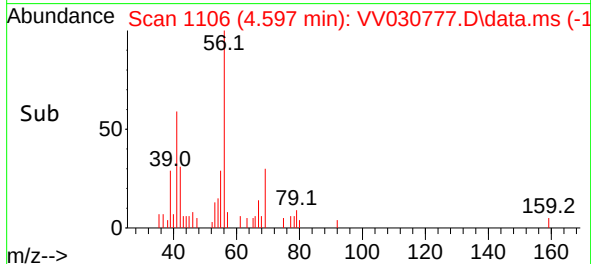
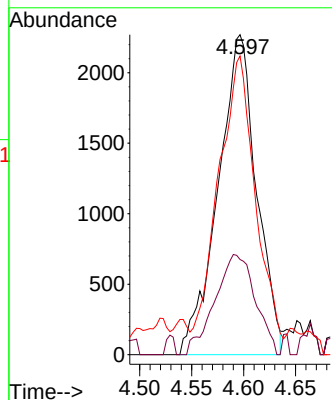
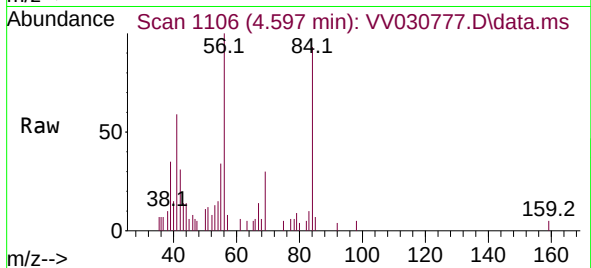
Tgt Ion:	56	Resp:	584
Ion Ratio	Lower	Upper	
56	100		
69	31.3	24.0	36.0
84	81.5	68.2	102.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/25/2023

Supervised By :Mahesh Dadoda 04/25/2023



#30

1,1,1-Trichloroethane

Concen: 2.429 ug/L

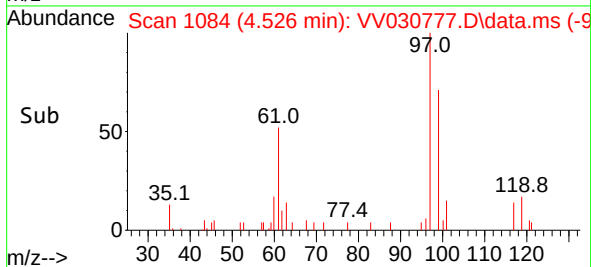
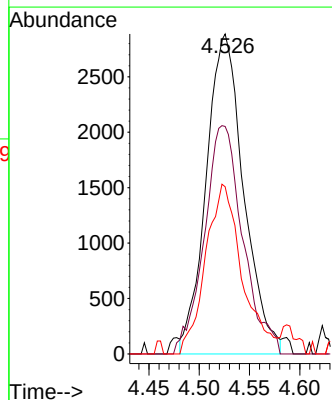
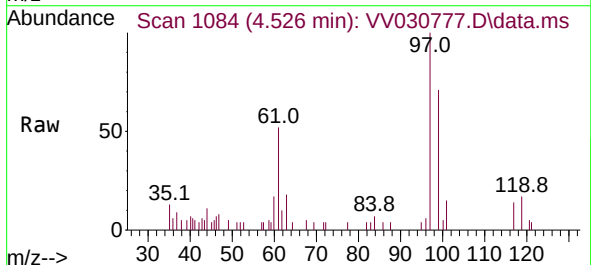
RT: 4.526 min Scan# 1084

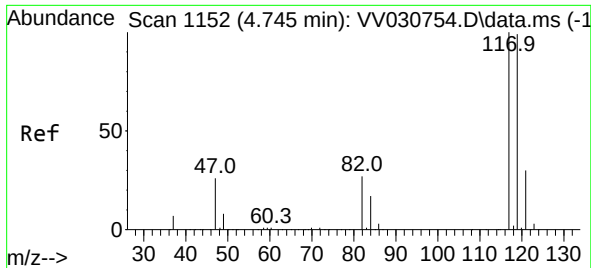
Delta R.T. 0.003 min

Lab File: VV030777.D

Acq: 21 Apr 2023 20:43

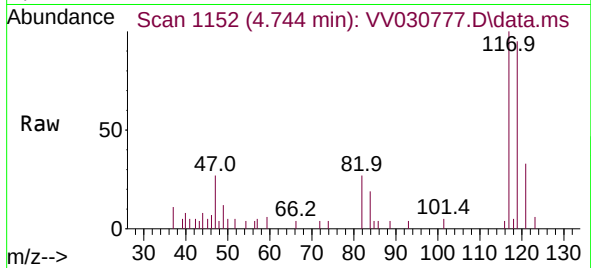
Tgt Ion:	97	Resp:	7491
Ion Ratio	Lower	Upper	
97	100		
99	70.2	51.4	77.0
61	51.5	37.0	55.6





#31
Carbon tetrachloride
Concen: 2.436 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

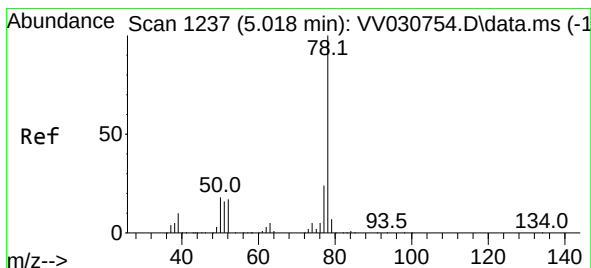
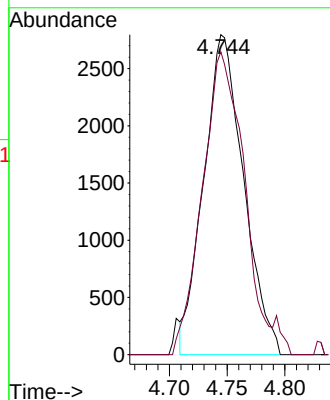
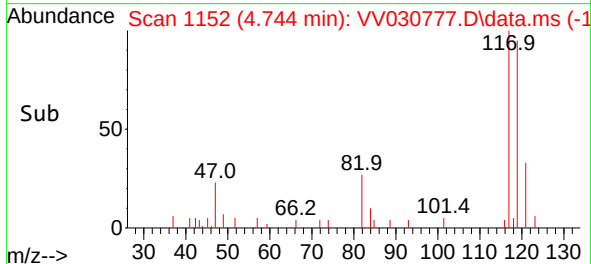
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2023-04



Tgt Ion:117 Resp: 671
Ion Ratio Lower Upper
117 100
119 98.3 75.9 113.9

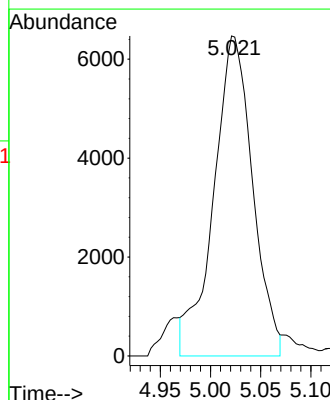
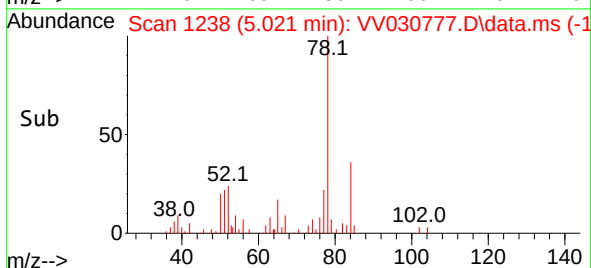
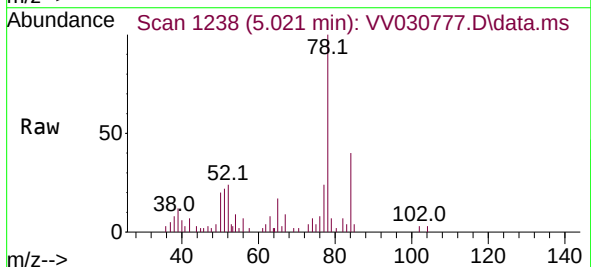
Manual Integrations
APPROVED

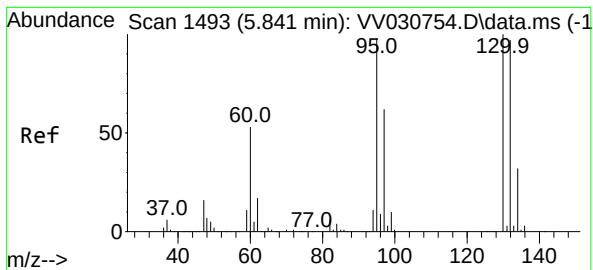
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#33
Benzene
Concen: 2.619 ug/L m
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

Tgt Ion: 78 Resp: 17454





#34

Trichloroethene

Concen: 2.554 ug/L

RT: 5.847 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VV030777.D

Acq: 21 Apr 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2023-04

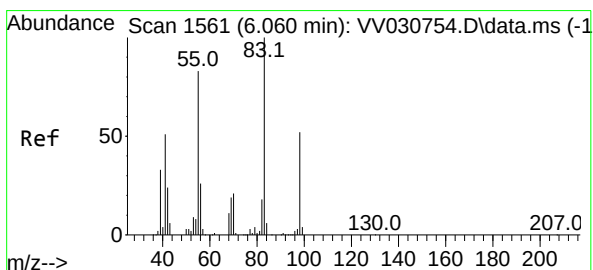
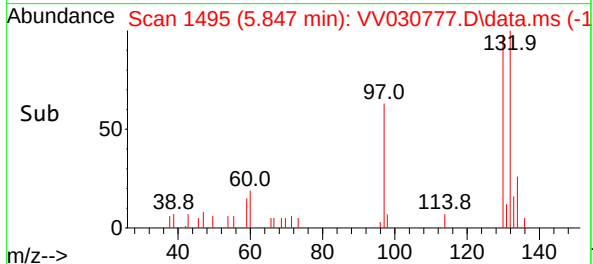
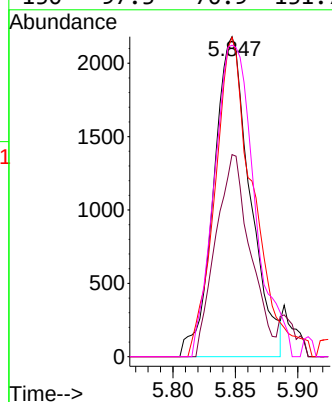
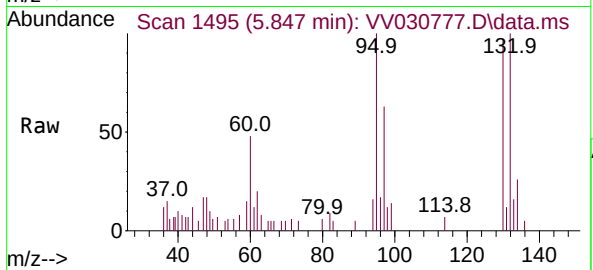
Tgt Ion:	95	Resp:	442
Ion	Ratio	Lower	Upper
95	100		
97	63.1	45.8	85.2
132	99.8	70.6	131.2
130	97.3	70.9	131.7

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/25/2023

Supervised By :Mahesh Dadoda 04/25/2023



#35

Methylcyclohexane

Concen: 2.075 ug/L

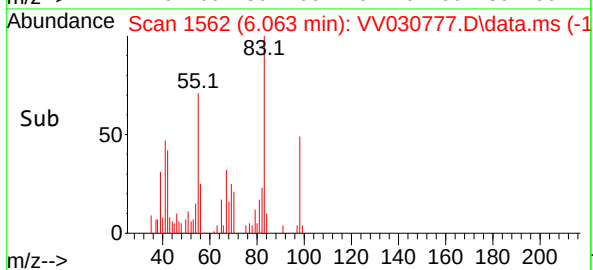
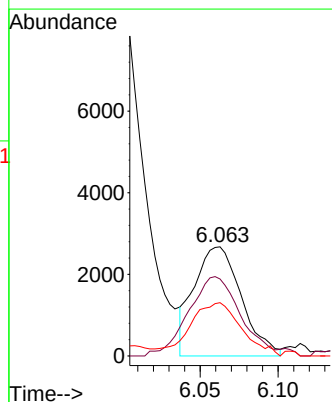
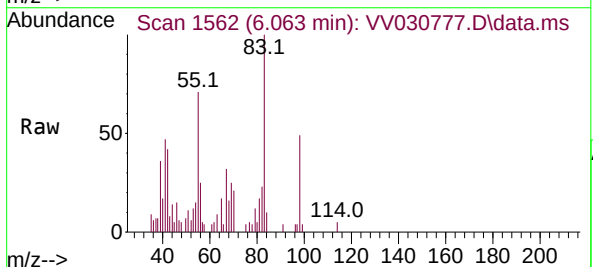
RT: 6.063 min Scan# 1562

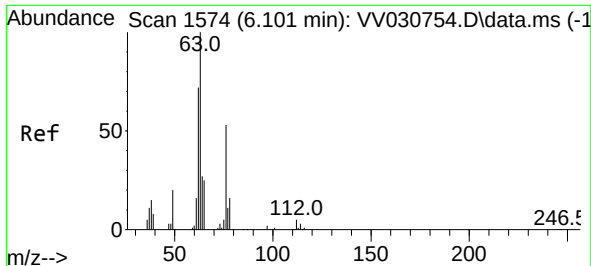
Delta R.T. 0.003 min

Lab File: VV030777.D

Acq: 21 Apr 2023 20:43

Tgt Ion:	83	Resp:	5636
Ion	Ratio	Lower	Upper
83	100		
55	72.7	65.5	98.3
98	52.2	38.7	58.1





#37

1,2-Dichloropropane

Concen: 2.654 ug/L m

RT: 6.105 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030777.D

Acq: 21 Apr 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2023-04

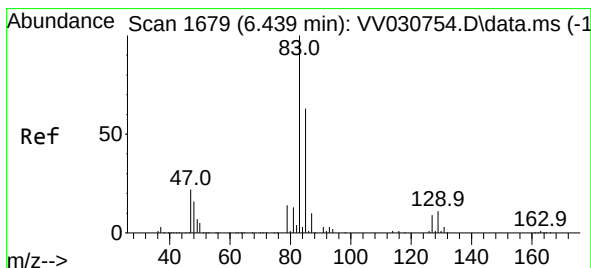
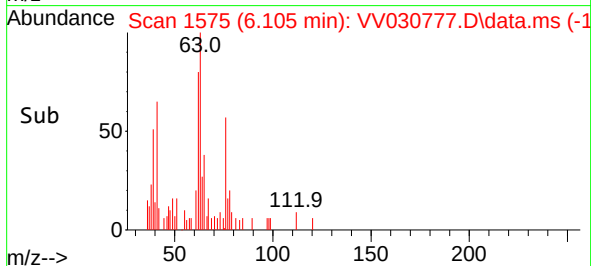
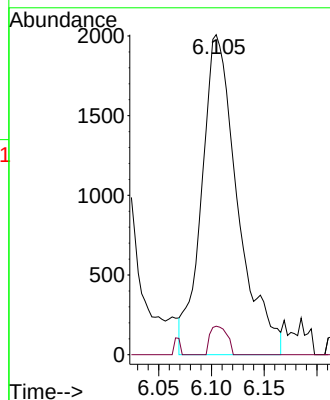
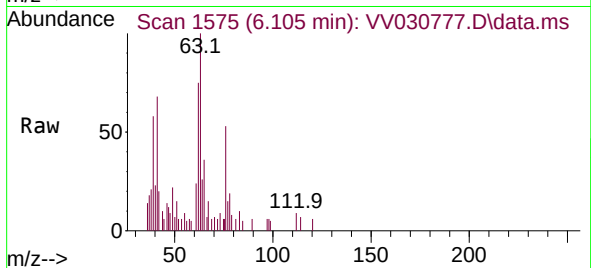
Tgt Ion: 63 Resp: 476
 Ion Ratio Lower Upper
 63 100
 112 4.2 3.8 5.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/25/2023

Supervised By :Mahesh Dadoda 04/25/2023



#38

Bromodichloromethane

Concen: 2.547 ug/L

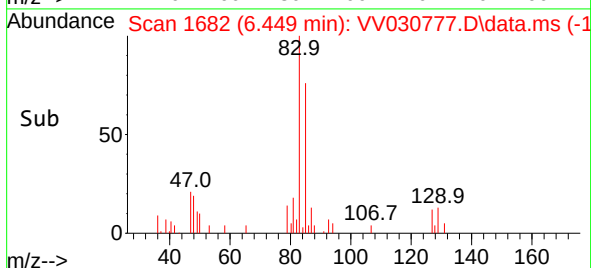
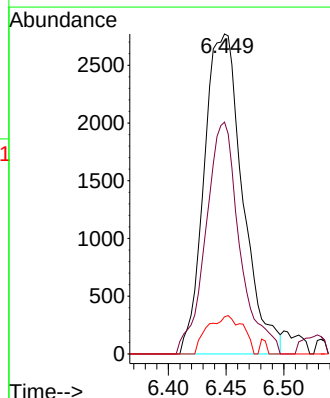
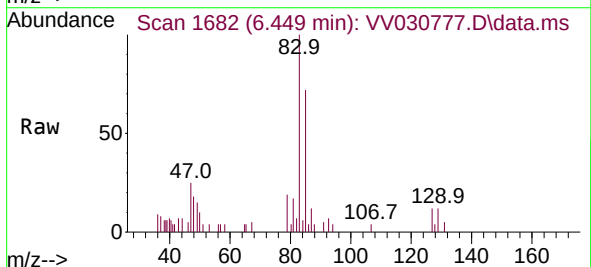
RT: 6.449 min Scan# 1682

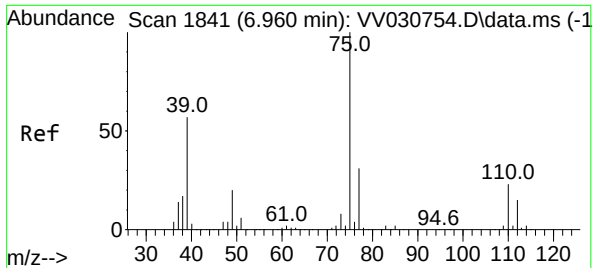
Delta R.T. 0.010 min

Lab File: VV030777.D

Acq: 21 Apr 2023 20:43

Tgt Ion: 83 Resp: 6418
 Ion Ratio Lower Upper
 83 100
 85 72.4 45.4 84.4
 127 11.6 7.0 10.4#





#39

cis-1,3-Dichloropropene

Concen: 2.417 ug/L m

RT: 6.966 min Scan# 1841

Delta R.T. 0.006 min

Lab File: VV030777.D

Acq: 21 Apr 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2023-04

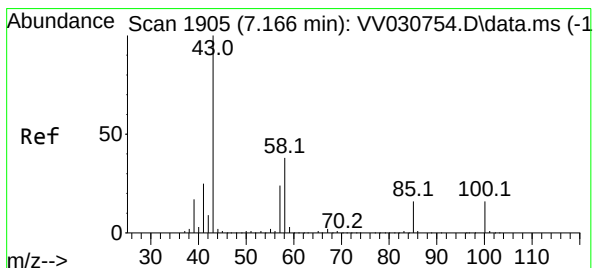
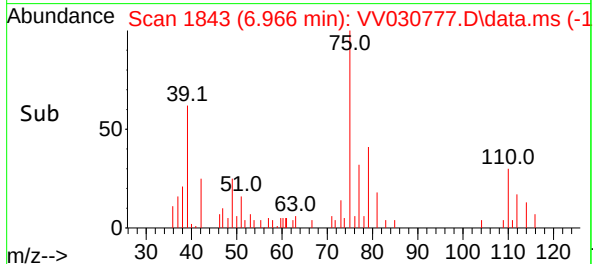
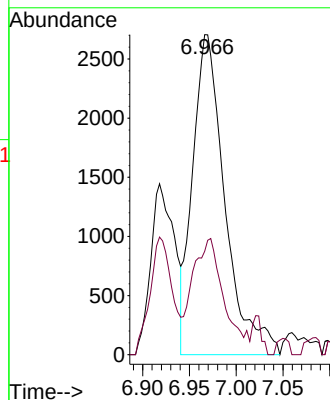
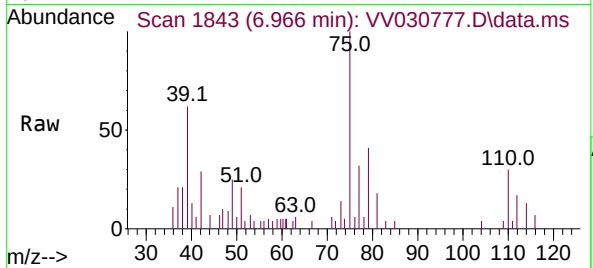
Tgt Ion: 75 Resp: 650
 Ion Ratio Lower Upper
 75 100
 77 32.3 22.0 40.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/25/2023

Supervised By :Mahesh Dadoda 04/25/2023



#40

4-Methyl-2-pentanone

Concen: 4.010 ug/L m

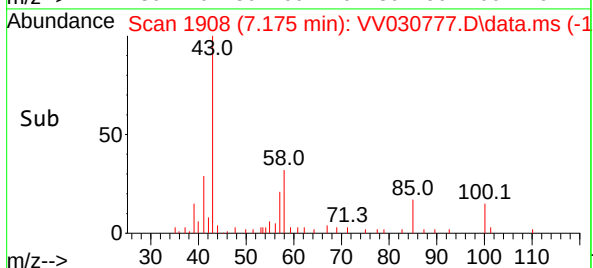
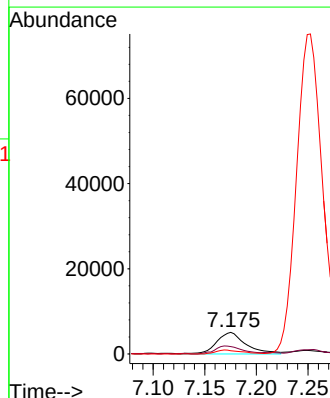
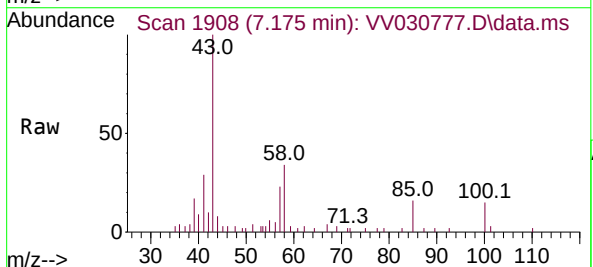
RT: 7.175 min Scan# 1908

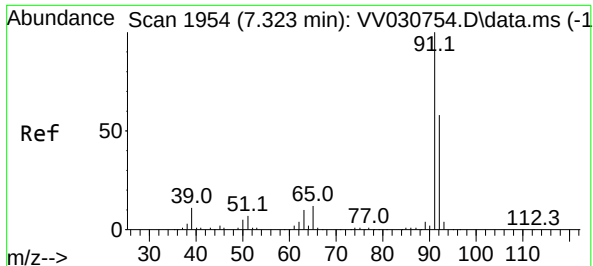
Delta R.T. 0.010 min

Lab File: VV030777.D

Acq: 21 Apr 2023 20:43

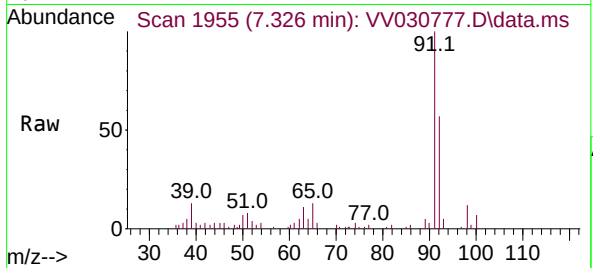
Tgt Ion: 43 Resp: 10047
 Ion Ratio Lower Upper
 43 100
 58 34.0 29.2 43.8
 100 16.5 11.3 16.9





#42
Toluene
Concen: 2.303 ug/L
RT: 7.326 min Scan# 1954
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

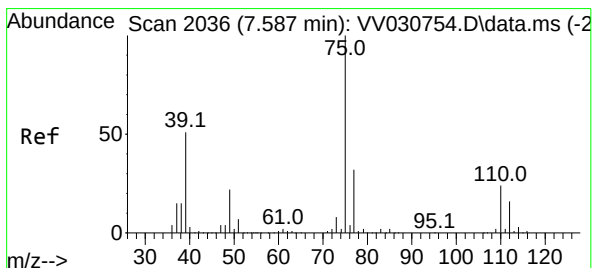
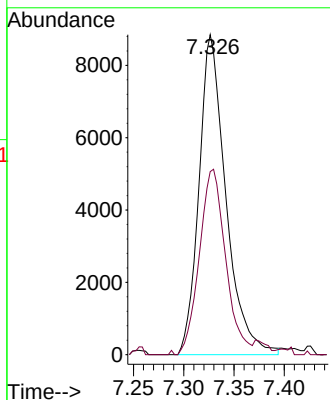
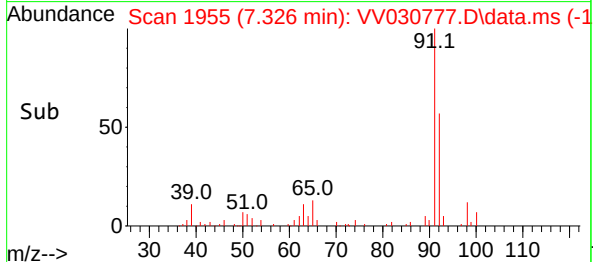
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2023-04



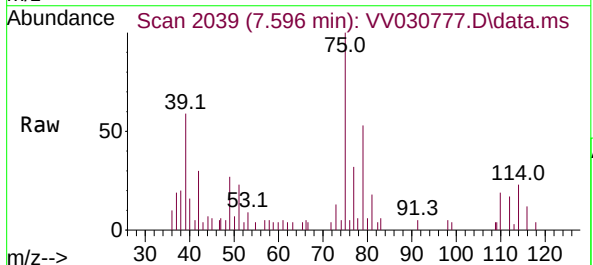
Tgt Ion: 91 Resp: 16440
Ion Ratio Lower Upper
91 100
92 57.2 39.8 73.8

Manual Integrations
APPROVED

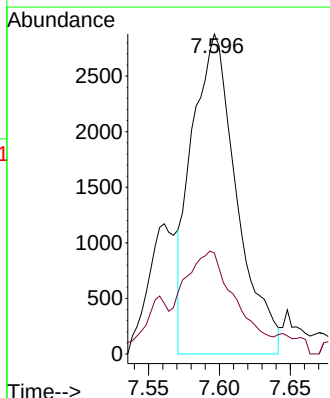
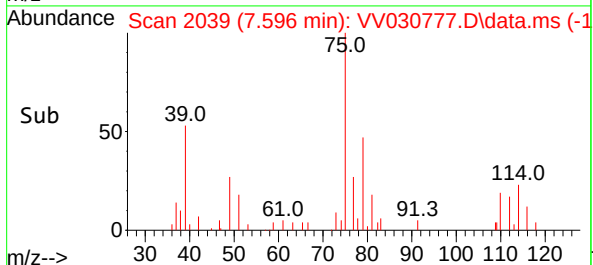
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

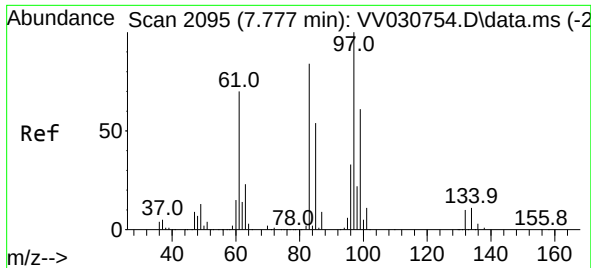


#44
trans-1,3-Dichloropropene
Concen: 2.402 ug/L
RT: 7.596 min Scan# 2039
Delta R.T. 0.010 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43



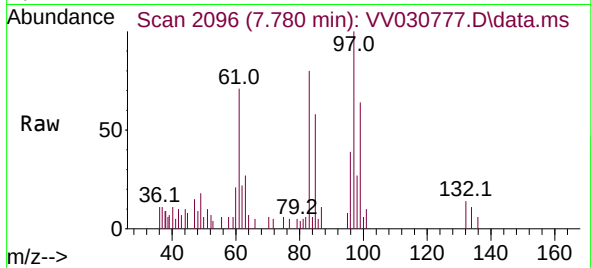
Tgt Ion: 75 Resp: 6353
Ion Ratio Lower Upper
75 100
77 31.6 22.1 41.1





#45
1,1,2-Trichloroethane
Concen: 2.483 ug/L
RT: 7.780 min Scan# 2095
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2023-04

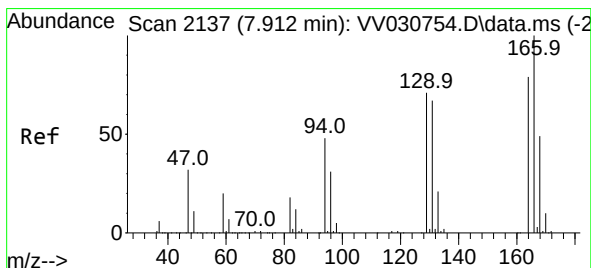
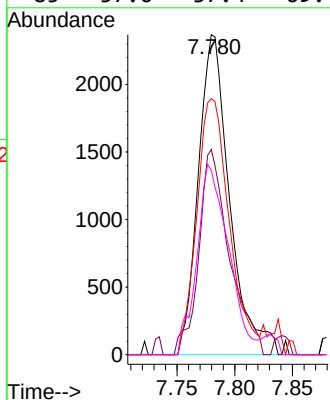
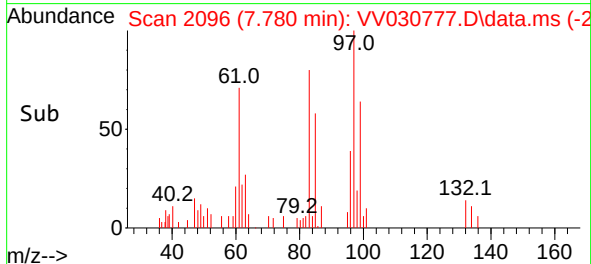


Tgt Ion: 97 Resp: 446

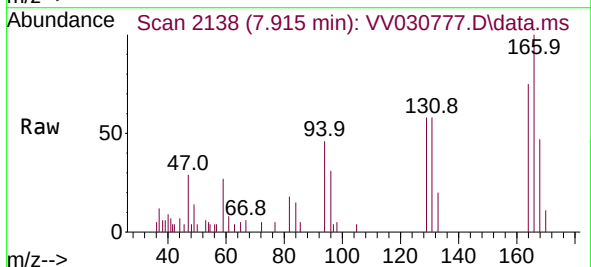
Ion	Ratio	Lower	Upper
97	100		
99	64.1	43.8	81.4
83	80.0	59.6	110.6
85	57.6	37.4	69.4

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

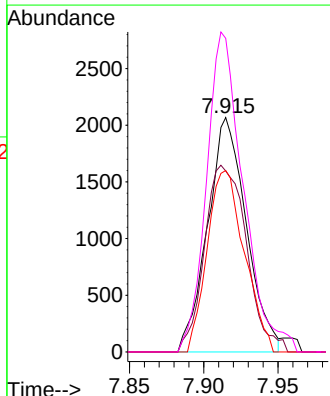
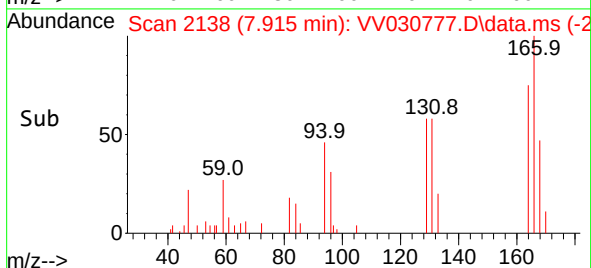


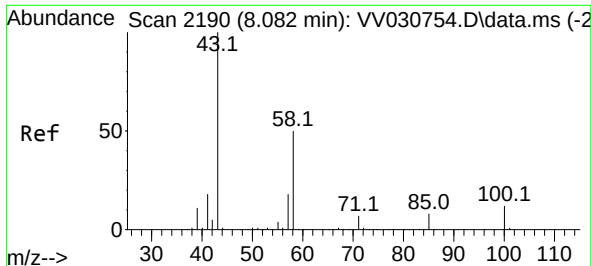
#46
Tetrachloroethene
Concen: 2.473 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43



Tgt Ion:164 Resp: 3752

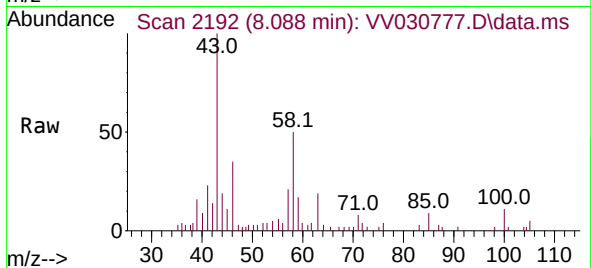
Ion	Ratio	Lower	Upper
164	100		
129	77.2	63.8	118.6
131	77.4	60.3	111.9
166	133.8	89.5	166.1





#48
2-Hexanone
Concen: 6.437 ug/L m
RT: 8.088 min Scan# 2190
Delta R.T. 0.006 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

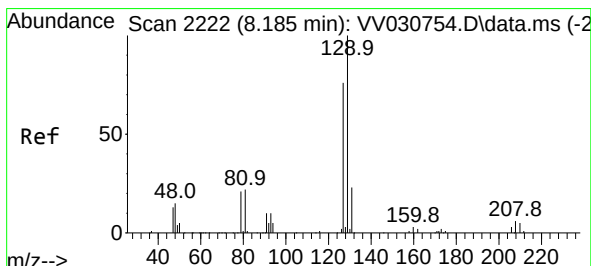
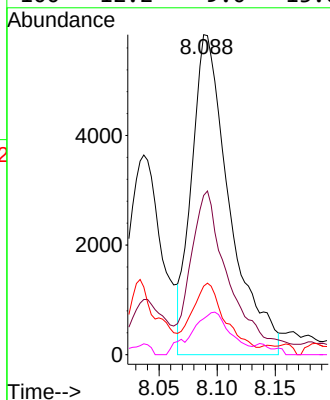
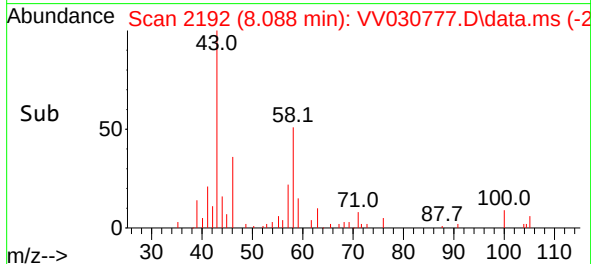
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2023-04



Tgt Ion: 43 Resp: 13300
Ion Ratio Lower Upper
43 100
58 47.0 41.4 62.0
57 16.2 14.9 22.3
100 12.2 9.0 13.6

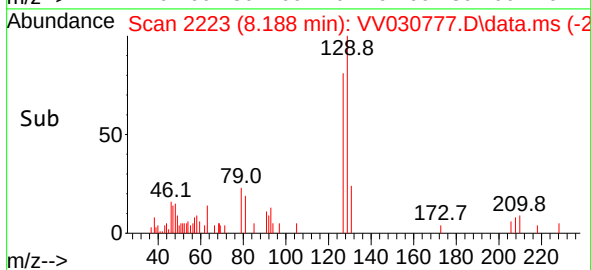
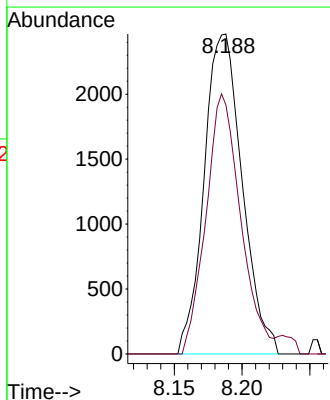
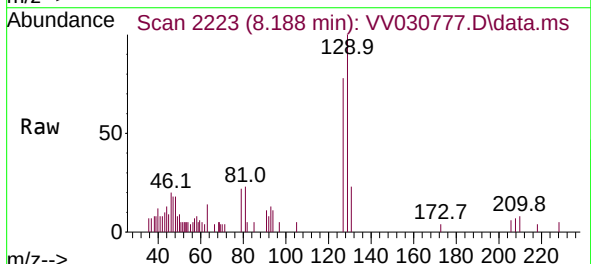
Manual Integrations
APPROVED

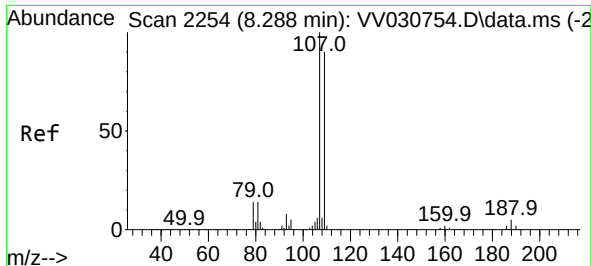
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#49
Dibromochloromethane
Concen: 2.425 ug/L
RT: 8.188 min Scan# 2223
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

Tgt Ion:129 Resp: 4810
Ion Ratio Lower Upper
129 100
127 77.8 52.8 98.2





#50

1,2-Dibromoethane

Concen: 2.285 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV030777.D

Acq: 21 Apr 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2023-04

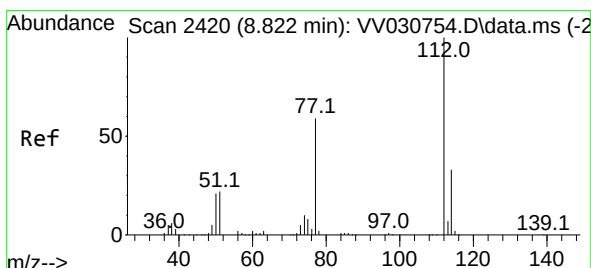
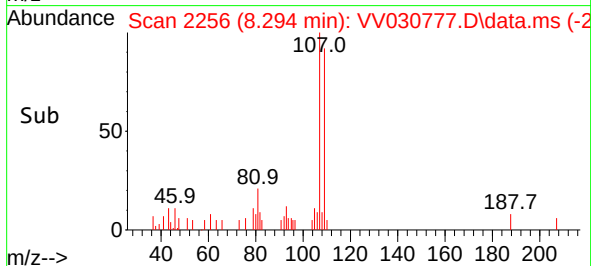
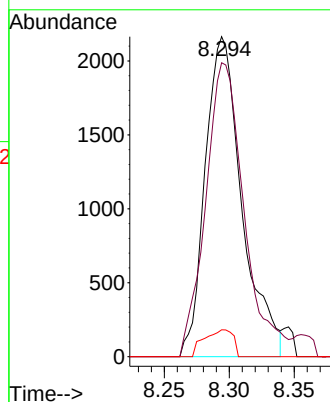
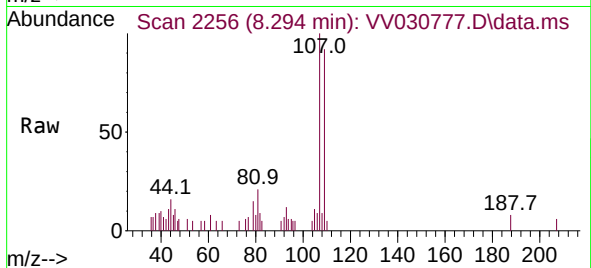
Tgt Ion:	107	Resp:	425
Ion	Ratio	Lower	Upper
107	100		
109	91.9	65.7	121.9
188	8.4	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/25/2023

Supervised By :Mahesh Dadoda 04/25/2023



#51

Chlorobenzene

Concen: 2.813 ug/L

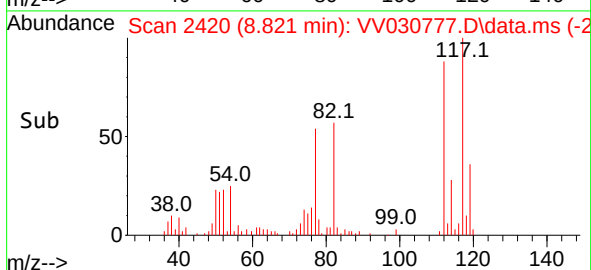
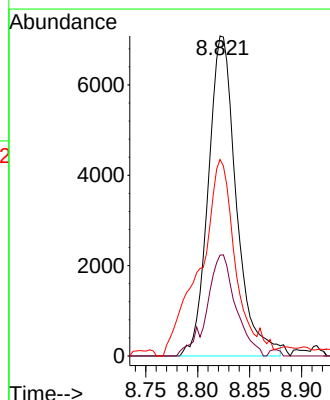
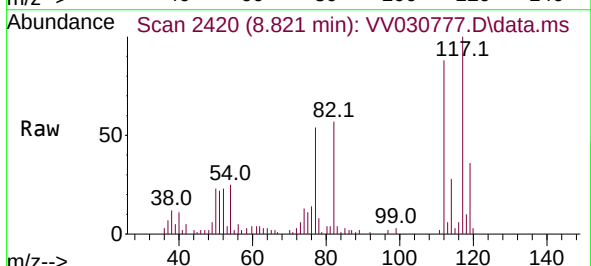
RT: 8.821 min Scan# 2420

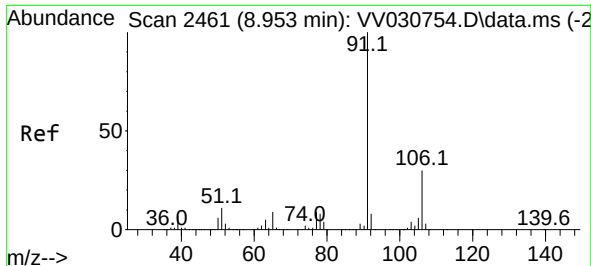
Delta R.T. -0.000 min

Lab File: VV030777.D

Acq: 21 Apr 2023 20:43

Tgt Ion:	112	Resp:	13297
Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.4	41.6
77	61.4	47.4	71.0





#52

Ethylbenzene

Concen: 2.179 ug/L

RT: 8.957 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV030777.D

Acq: 21 Apr 2023 20:43

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2023-04

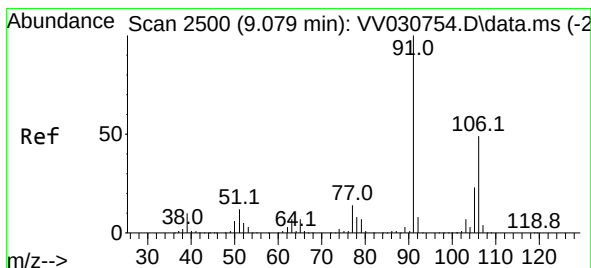
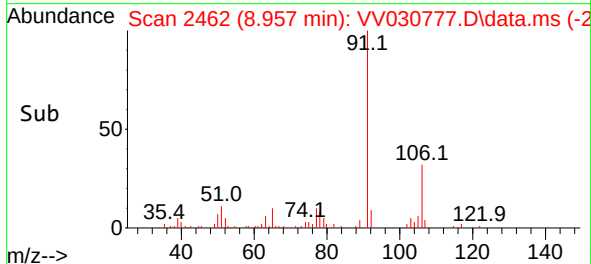
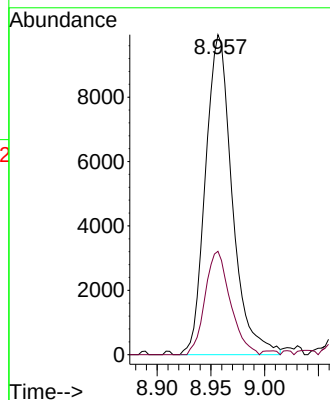
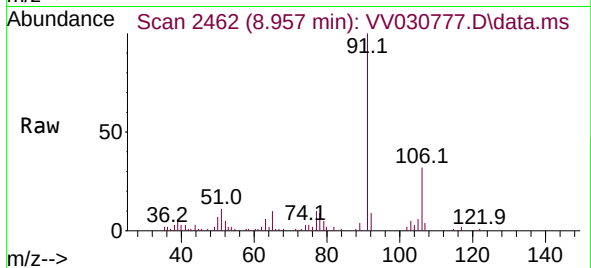
Tgt Ion: 91 Resp: 1722
 Ion Ratio Lower Upper
 91 100
 106 32.3 21.8 40.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/25/2023

Supervised By :Mahesh Dadoda 04/25/2023



#53

m,p-Xylene

Concen: 2.119 ug/L

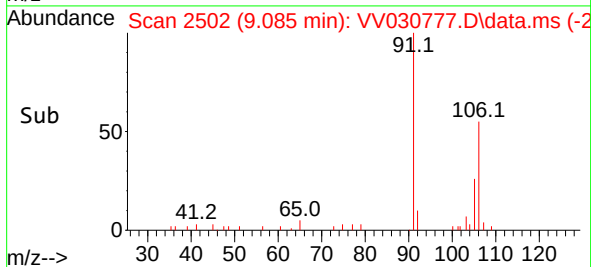
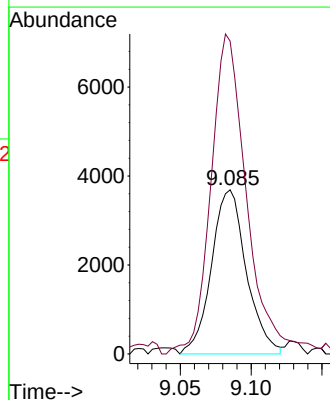
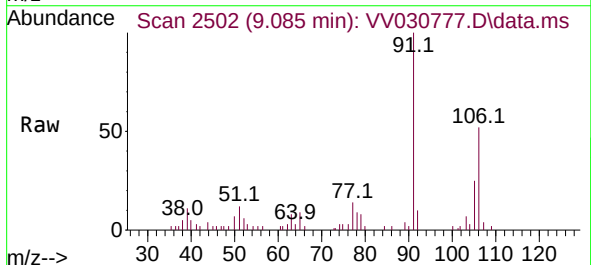
RT: 9.085 min Scan# 2502

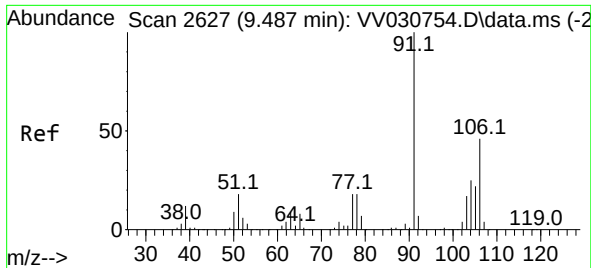
Delta R.T. 0.006 min

Lab File: VV030777.D

Acq: 21 Apr 2023 20:43

Tgt Ion:106 Resp: 6325
 Ion Ratio Lower Upper
 106 100
 91 190.5 144.7 268.7





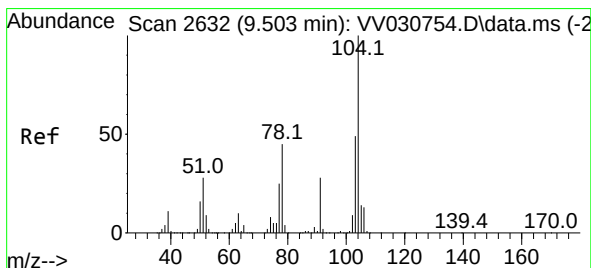
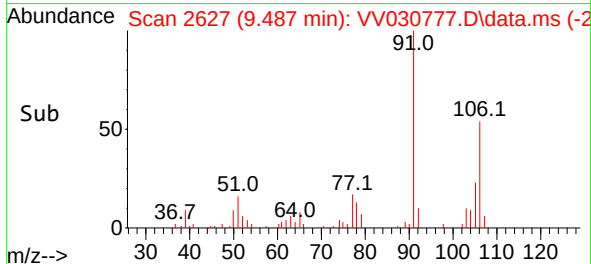
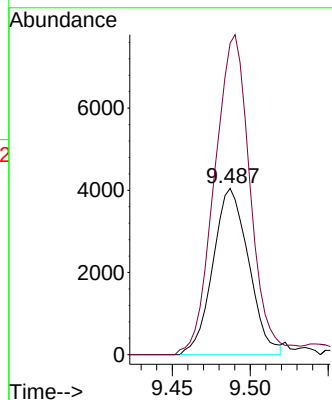
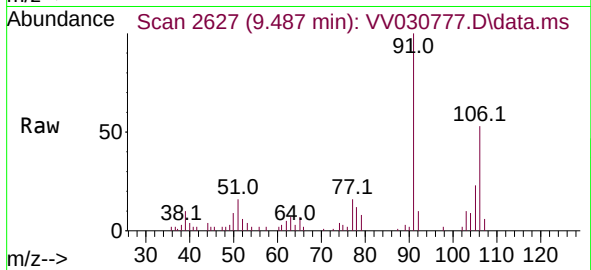
#54
o-Xylene
Concen: 2.212 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2023-04

Tgt Ion:106 Resp: 6458
Ion Ratio Lower Upper
106 100
91 187.4 152.6 283.4

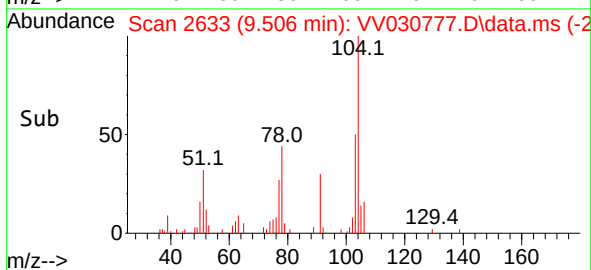
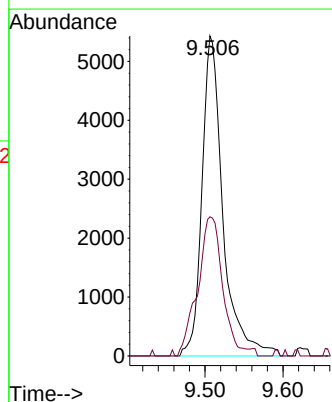
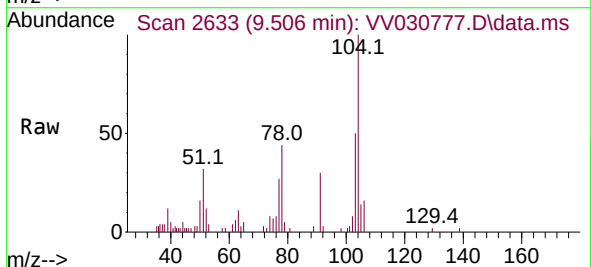
Manual Integrations
APPROVED

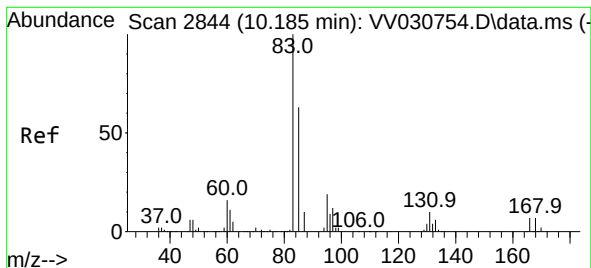
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#55
Styrene
Concen: 1.975 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

Tgt Ion:104 Resp: 10131
Ion Ratio Lower Upper
104 100
78 43.5 32.3 59.9





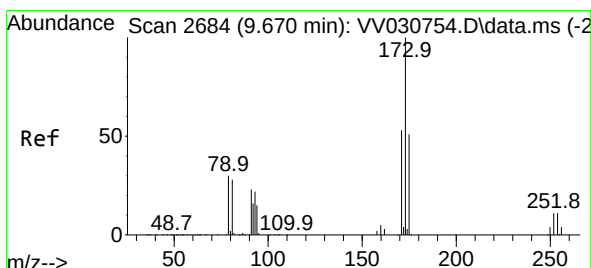
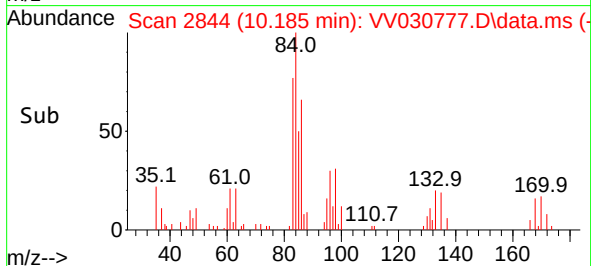
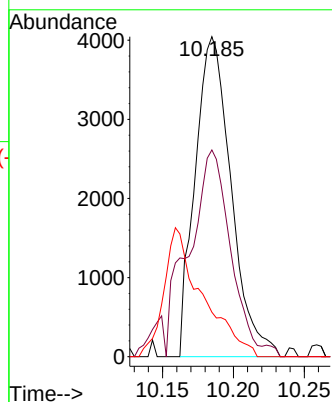
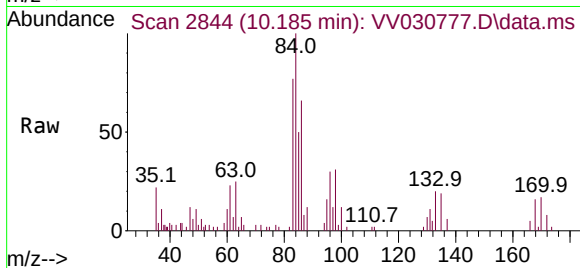
#57
1,1,2,2-Tetrachloroethane
Concen: 2.420 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2023-04

Tgt Ion: 83 Resp: 7140
Ion Ratio Lower Upper
83 100
85 64.6 45.1 83.7
131 13.9 8.0 12.0

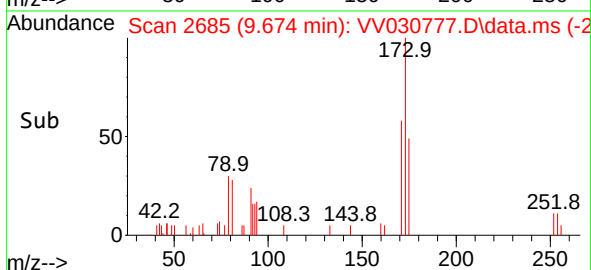
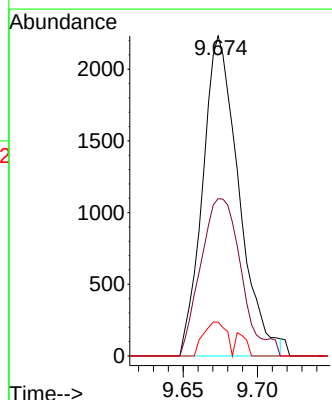
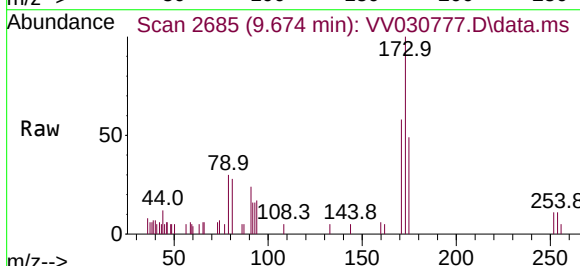
Manual Integrations
APPROVED

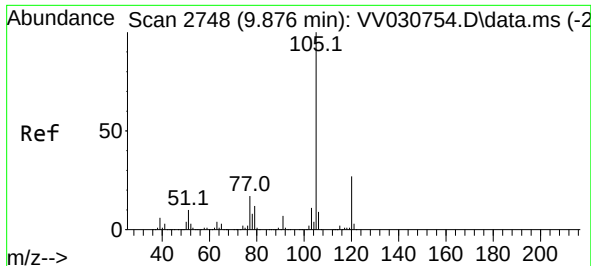
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#59
Bromoform
Concen: 2.739 ug/L
RT: 9.674 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

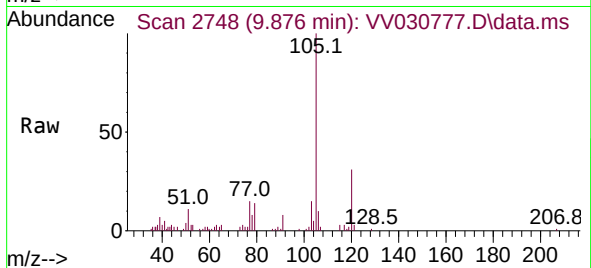
Tgt Ion:173 Resp: 3765
Ion Ratio Lower Upper
173 100
175 54.2 38.8 58.2
254 6.7 8.2 12.4





#60
Isopropylbenzene
Concen: 2.268 ug/L
RT: 9.876 min Scan# 2153
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

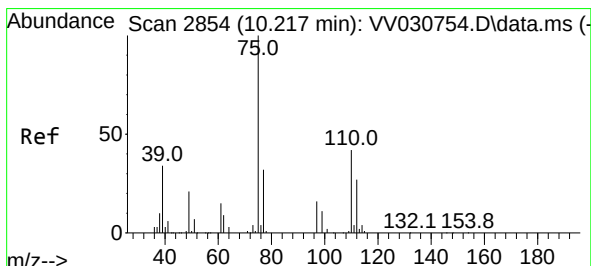
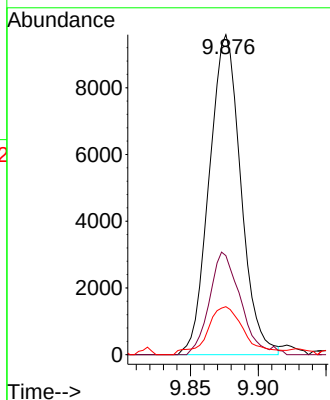
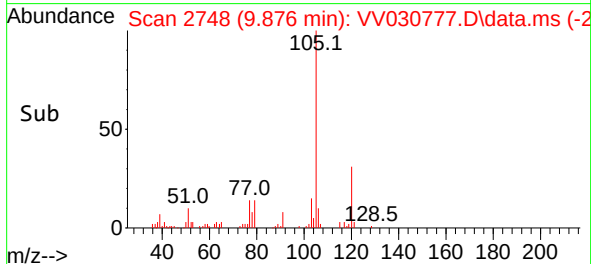
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2023-04



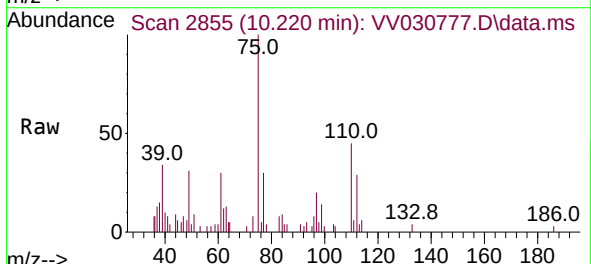
Tgt Ion: 105 Resp: 15530
Ion Ratio Lower Upper
105 100
120 31.0 20.9 31.3
77 17.4 13.0 19.6

Manual Integrations
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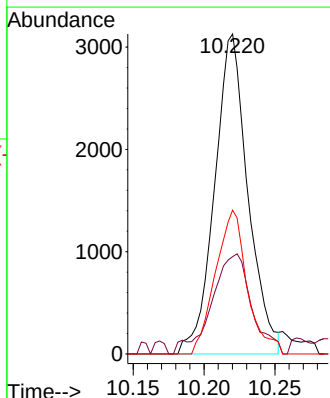
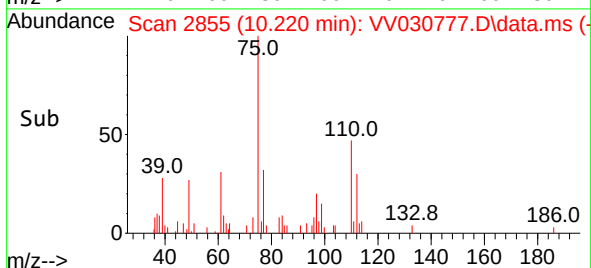
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

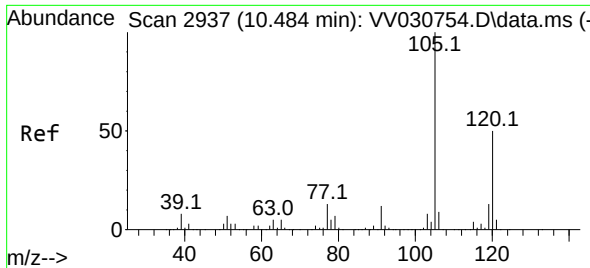


#61
1,2,3-Trichloropropane
Concen: 2.609 ug/L
RT: 10.220 min Scan# 2855
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43



Tgt Ion: 75 Resp: 5129
Ion Ratio Lower Upper
75 100
77 35.8 25.7 38.5
110 42.7 32.8 49.2





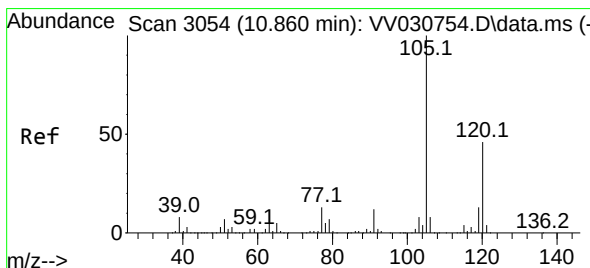
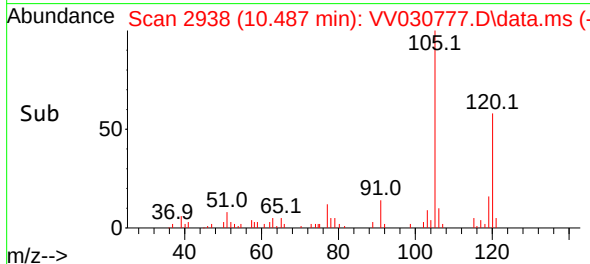
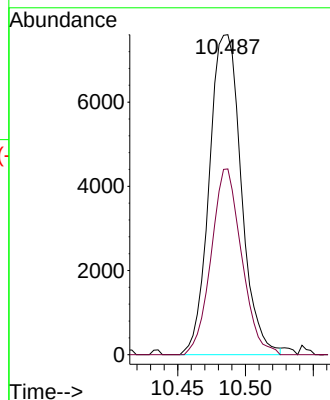
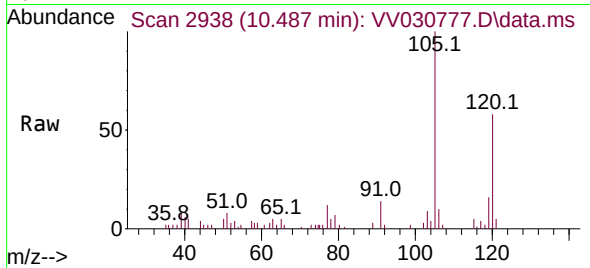
#62
1,3,5-Trimethylbenzene
Concen: 2.218 ug/L
RT: 10.487 min Scan# 2937
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2023-04

Tgt Ion:105 Resp: 1250
Ion Ratio Lower Upper
105 100
120 55.2 39.2 58.8

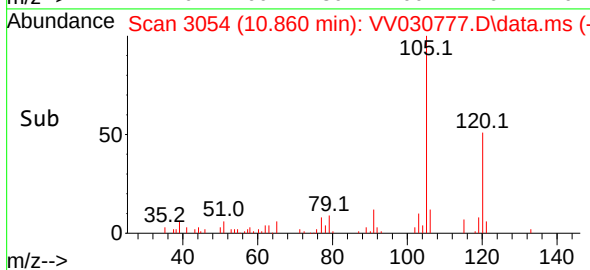
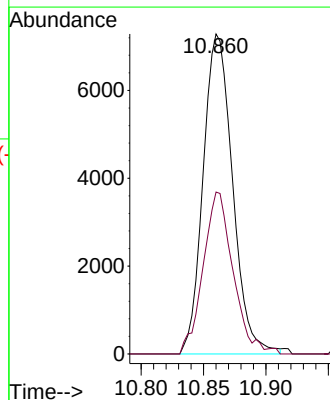
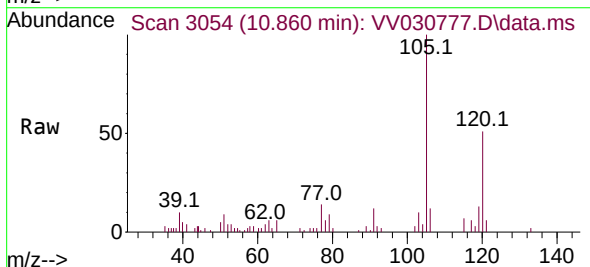
Manual Integrations
APPROVED

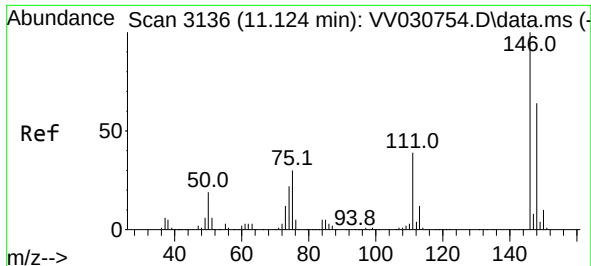
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#63
1,2,4-Trimethylbenzene
Concen: 2.127 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

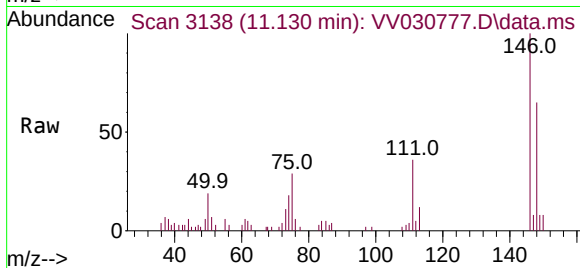
Tgt Ion:105 Resp: 11970
Ion Ratio Lower Upper
105 100
120 49.7 36.2 54.4





#64
1,3-Dichlorobenzene
Concen: 2.566 ug/L
RT: 11.130 min Scan# 3136
Delta R.T. 0.006 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

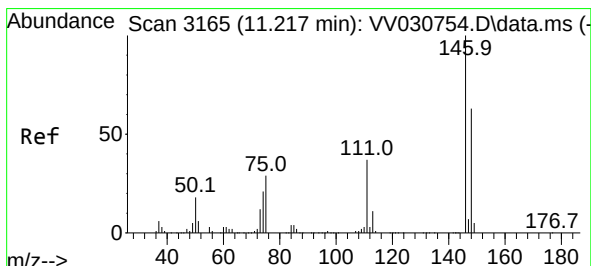
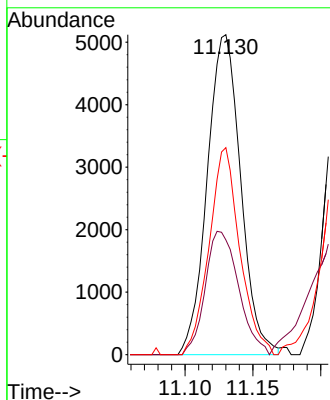
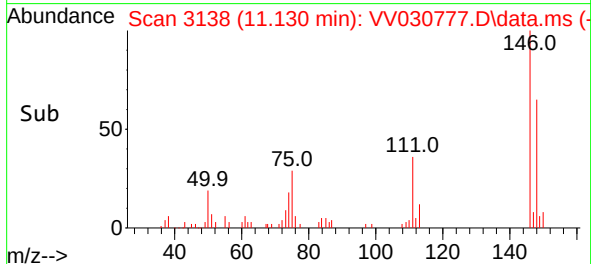
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2023-04



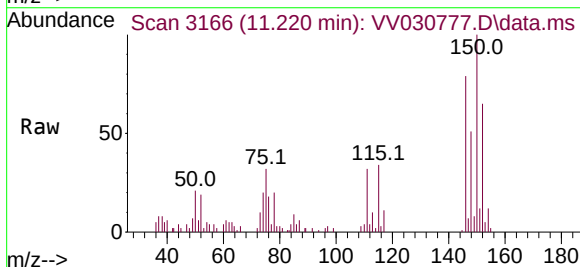
Tgt Ion:146 Resp: 8790
Ion Ratio Lower Upper
146 100
111 35.8 27.0 50.2
148 64.7 44.8 83.2

Manual Integrations
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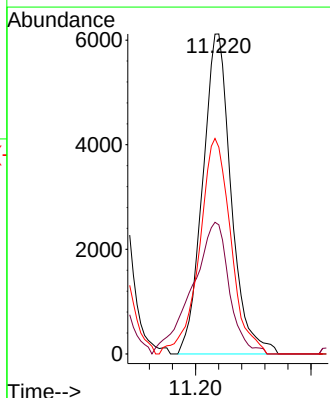
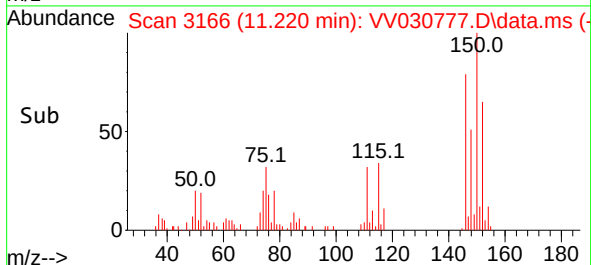
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

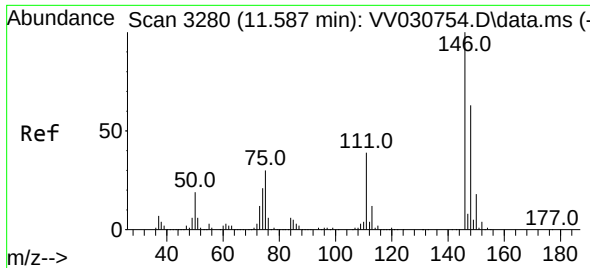


#65
1,4-Dichlorobenzene
Concen: 2.897 ug/L
RT: 11.220 min Scan# 3166
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43



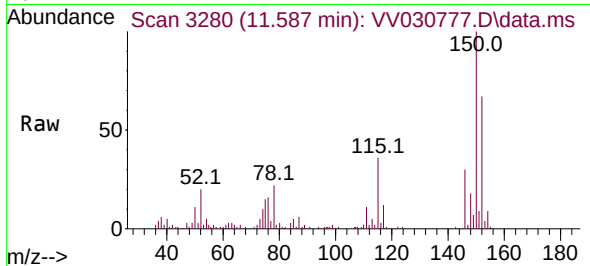
Tgt Ion:146 Resp: 10472
Ion Ratio Lower Upper
146 100
111 40.3 26.5 49.1
148 64.6 44.7 83.1





#67
1,2-Dichlorobenzene
Concen: 3.172 ug/L
RT: 11.587 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

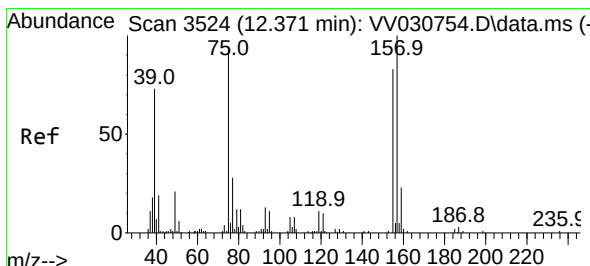
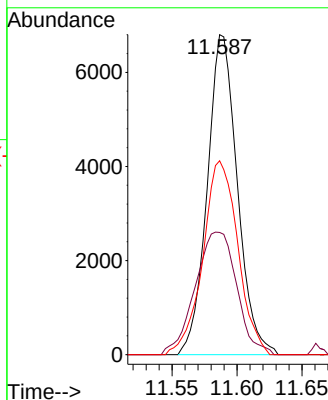
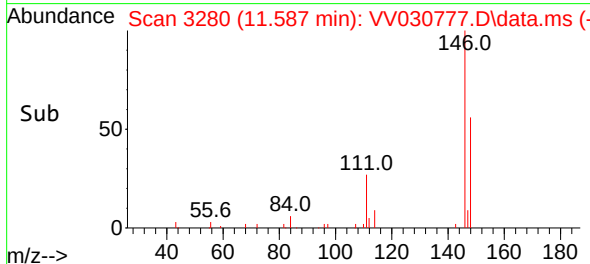
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT2-2023-04



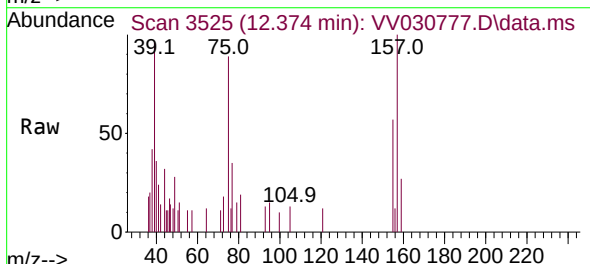
Tgt Ion:146 Resp: 10968
Ion Ratio Lower Upper
146 100
111 38.2 32.0 48.0
148 60.6 50.6 76.0

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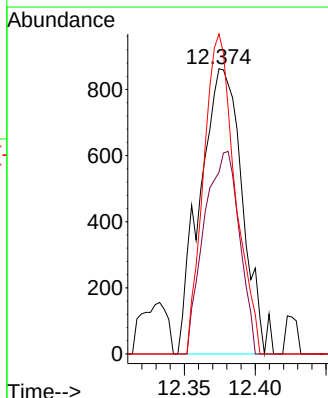
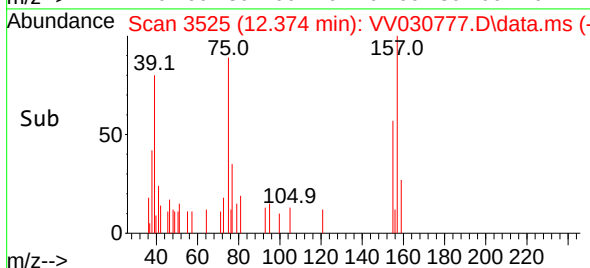
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

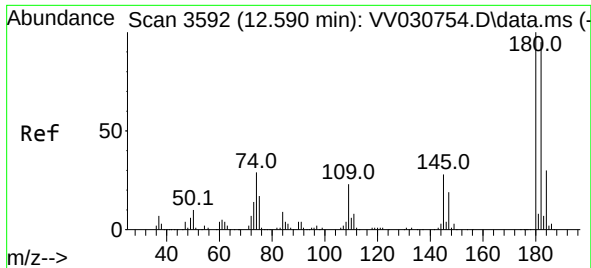


#68
1,2-Dibromo-3-chloropropane
Concen: 3.081 ug/L
RT: 12.374 min Scan# 3525
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43



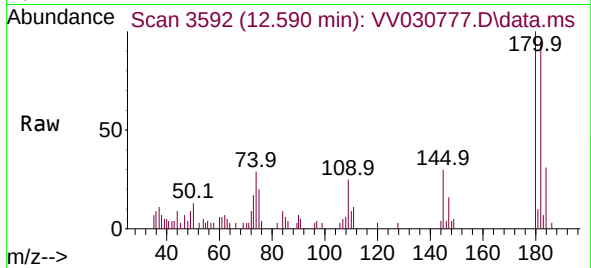
Tgt Ion: 75 Resp: 1795
Ion Ratio Lower Upper
75 100
155 63.7 65.0 97.6#
157 112.2 84.4 126.6





#69
1,3,5-Trichlorobenzene
Concen: 2.272 ug/L
RT: 12.590 min Scan# 3592
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

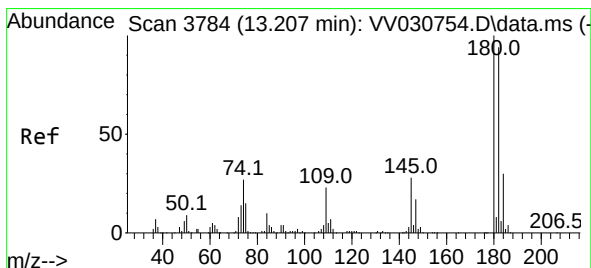
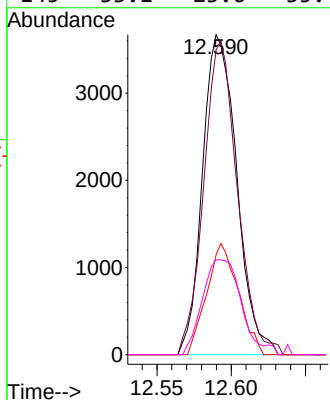
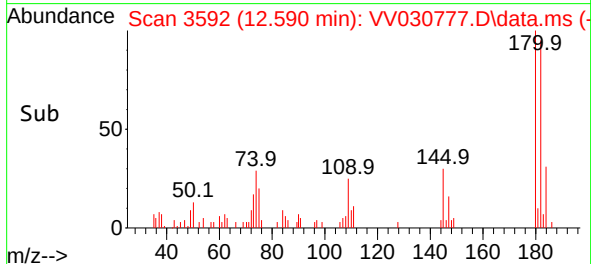
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2023-04



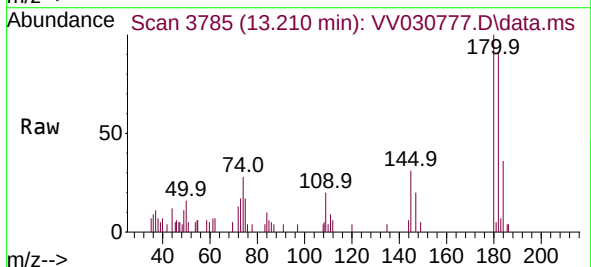
Tgt Ion:180 Resp: 5884
Ion Ratio Lower Upper
180 100
182 96.1 76.4 114.6
184 32.1 24.1 36.1
145 33.1 23.6 35.4

Manual Integrations
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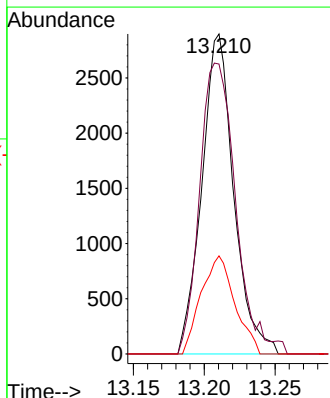
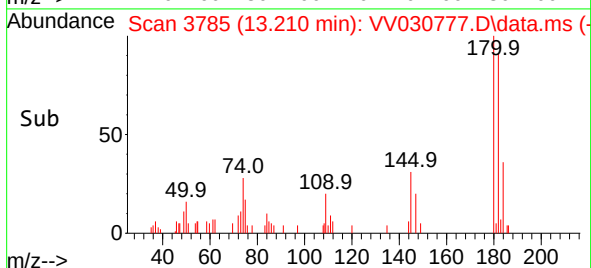
Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023

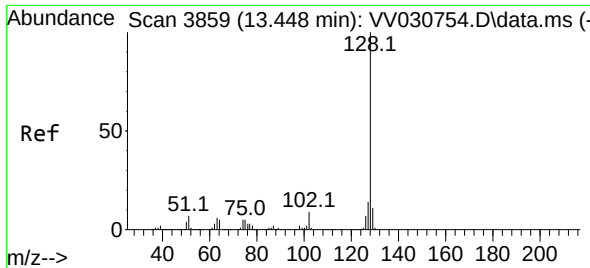


#70
1,2,4-trichlorobenzene
Concen: 2.067 ug/L
RT: 13.210 min Scan# 3785
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43



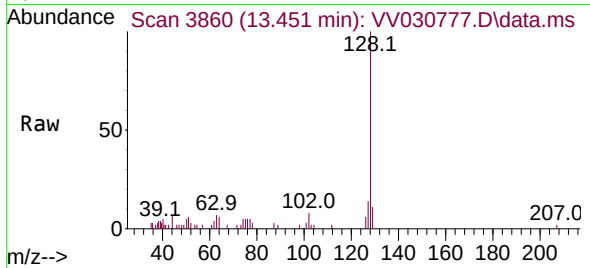
Tgt Ion:180 Resp: 4544
Ion Ratio Lower Upper
180 100
182 101.0 75.9 113.9
145 32.3 23.4 35.2





#71
Naphthalene
Concen: 1.652 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43

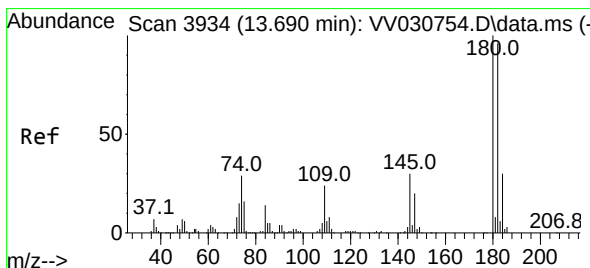
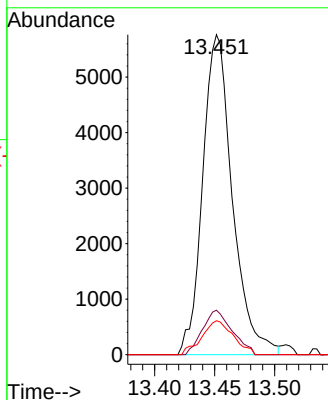
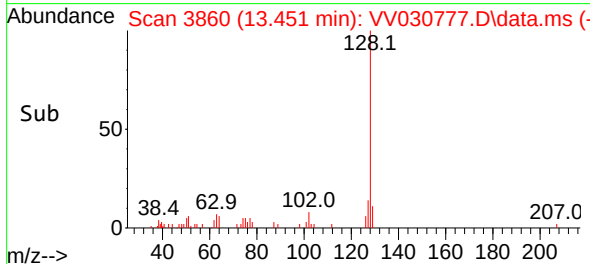
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2023-04



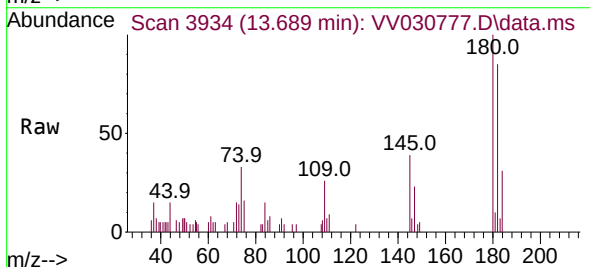
Tgt Ion:128 Resp: 993
Ion Ratio Lower Upper
128 100
127 13.9 10.7 16.1
129 11.2 8.6 13.0

Manual Integrations
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Reviewed By :Krupa Patel 04/25/2023
Supervised By :Mahesh Dadoda 04/25/2023



#72
1,2,3-Trichlorobenzene
Concen: 1.990 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. -0.000 min
Lab File: VV030777.D
Acq: 21 Apr 2023 20:43



Tgt Ion:180 Resp: 4338
Ion Ratio Lower Upper
180 100
182 87.0 76.2 114.4
145 34.6 25.1 37.7

