

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051723\
 Data File : VN077711.D
 Acq On : 17 May 2023 14:09
 Operator : JC\MD
 Sample : 02213-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: May 18 02:41:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 02:40:00 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

05/18/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	374844	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	688534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	585050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	237236	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	286026	50.997	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.000%	
35) Dibromofluoromethane	8.171	113	230020	51.231	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.460%	
50) Toluene-d8	10.571	98	849286	49.143	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.280%	
62) 4-Bromofluorobenzene	12.853	95	271412	44.468	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.940%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.130	85	2249	0.527	ug/l	99
3) Chloromethane	2.365	50	3838	0.751	ug/l	90
4) Vinyl Chloride	2.524	62	2423	0.450	ug/l	98
5) Bromomethane	2.971	94	3844	0.966	ug/l #	79
6) Chloroethane	3.130	64	2177m	0.562	ug/l	
7) Trichlorofluoromethane	3.506	101	3971	0.530	ug/l	99
8) Diethyl Ether	3.971	74	1760	0.643	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.389	101	1626m	0.392	ug/l	
10) Methyl Iodide	4.606	142	2999m	0.606	ug/l	
11) Tert butyl alcohol	5.536	59	2084	2.692	ug/l	95
12) 1,1-Dichloroethene	4.348	96	2619	0.664	ug/l #	51
13) Acrolein	4.183	56	1561m	2.836	ug/l	
14) Allyl chloride	5.036	41	2787m	0.481	ug/l	
15) Acrylonitrile	5.736	53	4581	2.215	ug/l #	27
16) Acetone	4.442	43	5228	2.963	ug/l	93
17) Carbon Disulfide	4.736	76	5810m	0.547	ug/l	
18) Methyl Acetate	5.053	43	3890m	0.525	ug/l	
19) Methyl tert-butyl Ether	5.800	73	7320	0.513	ug/l	99
20) Methylene Chloride	5.289	84	4129	0.781	ug/l #	65
21) trans-1,2-Dichloroethene	5.800	96	2745	0.620	ug/l #	62
22) Diisopropyl ether	6.689	45	6215	0.458	ug/l #	90
23) Vinyl Acetate	6.618	43	18531	2.203	ug/l #	90
24) 1,1-Dichloroethane	6.571	63	4201	0.505	ug/l #	83
25) 2-Butanone	7.494	43	6422	2.327	ug/l #	81
26) 2,2-Dichloropropane	7.500	77	3725	0.527	ug/l	84
27) cis-1,2-Dichloroethene	7.489	96	3089	0.582	ug/l	92
28) Bromochloromethane	7.818	49	1490	0.414	ug/l #	88
29) Tetrahydrofuran	7.853	42	4739	2.622	ug/l #	69
30) Chloroform	7.971	83	4676	0.511	ug/l	92
31) Cyclohexane	8.230	56	12306	1.614	ug/l #	40
32) 1,1,1-Trichloroethane	8.171	97	4137	0.532	ug/l #	49
36) 1,1-Dichloropropene	8.383	75	3519	0.536	ug/l	89
37) Ethyl Acetate	7.553	43	3279m	0.560	ug/l	
38) Carbon Tetrachloride	8.359	117	3445	0.519	ug/l #	66
39) Methylcyclohexane	9.612	83	3966	0.493	ug/l #	76
40) Benzene	8.606	78	9949	0.513	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	1421	0.456	ug/l #	26
42) 1,2-Dichloroethane	8.677	62	4283	0.608	ug/l	80
43) Isopropyl Acetate	8.700	43	4604	0.482	ug/l #	92
44) Trichloroethene	9.347	130	2461	0.502	ug/l	56
45) 1,2-Dichloropropane	9.635	63	2466	0.499	ug/l #	88
46) Dibromomethane	9.706	93	1865	0.527	ug/l	92
47) Bromodichloromethane	9.894	83	3360	0.496	ug/l #	79
48) Methyl methacrylate	9.688	41	3260	0.719	ug/l #	58
49) 1,4-Dioxane	9.718	88	662	7.732	ug/l #	74
51) 4-Methyl-2-Pentanone	10.447	43	13122	2.309	ug/l	95
52) Toluene	10.635	92	5901	0.489	ug/l	95
53) t-1,3-Dichloropropene	10.853	75	3525	0.492	ug/l	100
54) cis-1,3-Dichloropropene	10.324	75	4019	0.509	ug/l #	86
55) 1,1,2-Trichloroethane	11.018	97	2347	0.490	ug/l #	84
56) Ethyl methacrylate	10.882	69	3287	0.454	ug/l #	71
57) 1,3-Dichloropropane	11.165	76	4768	0.581	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	7136	2.003	ug/l	98
59) 2-Hexanone	11.200	43	9703	2.308	ug/l	91
60) Dibromochloromethane	11.365	129	1931	0.390	ug/l	78
61) 1,2-Dibromoethane	11.477	107	2660	0.557	ug/l #	80
64) Tetrachloroethene	11.106	164	2221	0.543	ug/l	83
65) Chlorobenzene	11.900	112	6998	0.552	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	11.965	131	2653	0.605	ug/l #	50
67) Ethyl Benzene	11.971	91	11098	0.488	ug/l	96
68) m/p-Xylenes	12.076	106	8453	0.982	ug/l	96
69) o-Xylene	12.406	106	3975	0.469	ug/l	97
70) Styrene	12.418	104	6282	0.467	ug/l	91
71) Bromoform	12.588	173	1627	0.557	ug/l #	97
73) Isopropylbenzene	12.700	105	9826	0.480	ug/l	97
74) N-amyl acetate	12.506	43	3692	0.488	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.947	83	2905	0.462	ug/l	70
76) 1,2,3-Trichloropropane	13.006	75	3304m	0.556	ug/l	
77) Bromobenzene	12.982	156	2784	0.597	ug/l	89
78) n-propylbenzene	13.041	91	11050	0.458	ug/l	93
79) 2-Chlorotoluene	13.129	91	7651	0.532	ug/l	95
80) 1,3,5-Trimethylbenzene	13.176	105	8160	0.475	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.741	75	1020m	0.549	ug/l	
82) 4-Chlorotoluene	13.229	91	7732	0.540	ug/l	94
83) tert-Butylbenzene	13.441	119	6943	0.463	ug/l	79
84) 1,2,4-Trimethylbenzene	13.488	105	8483	0.502	ug/l	98
85) sec-Butylbenzene	13.623	105	9917	0.465	ug/l	90
86) p-Isopropyltoluene	13.735	119	7525	0.443	ug/l	91
87) 1,3-Dichlorobenzene	13.741	146	5279	0.612	ug/l	90
88) 1,4-Dichlorobenzene	13.818	146	5223m	0.610	ug/l	
89) n-Butylbenzene	14.065	91	6811	0.436	ug/l	97
90) Hexachloroethane	14.335	117	1463	0.524	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	4355	0.540	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	797m	0.654	ug/l	
93) 1,2,4-Trichlorobenzene	15.400	180	3144	0.667	ug/l	89
94) Hexachlorobutadiene	15.506	225	1216	0.622	ug/l	80
95) Naphthalene	15.641	128	8990	0.554	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.853	180	2841	0.616	ug/l	92

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ClientSampleId :
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Manual Integrations
APPROVED

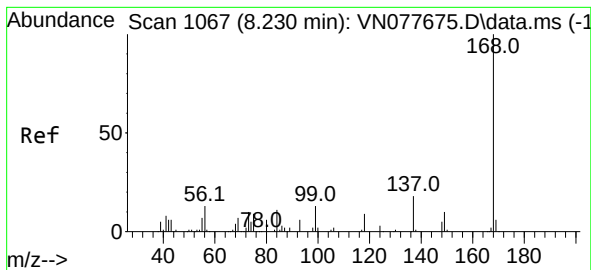
Reviewed By :John
Carlone

05/18/2023
Supervised By :Mahesh
Dadoda

05/18/2023

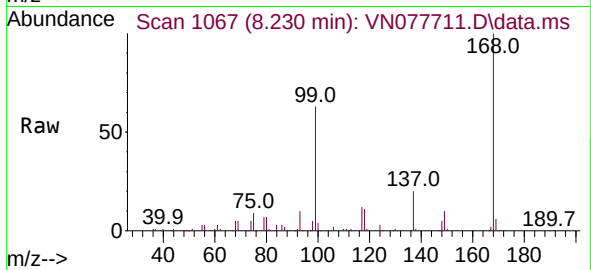
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077711.D
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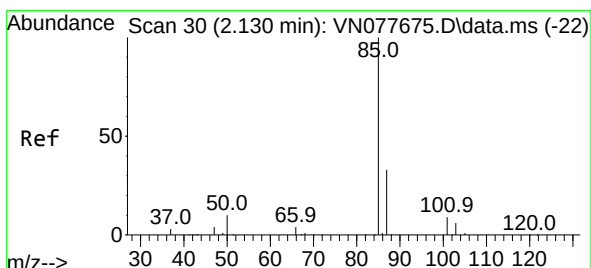
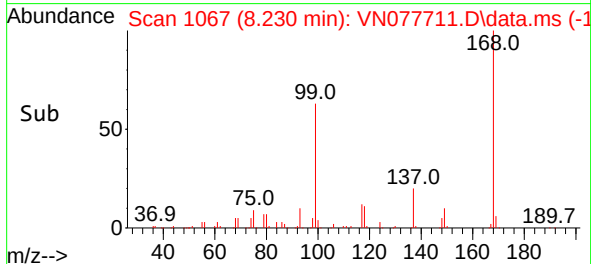
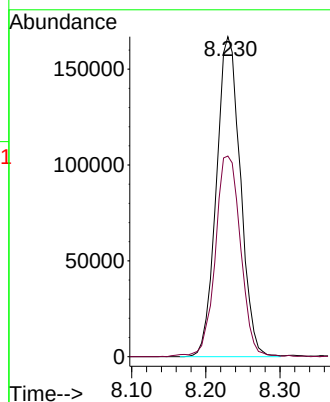
Tgt Ion:168 Resp: 37484
Ion Ratio Lower Upper
168 100
99 62.5 53.0 79.6

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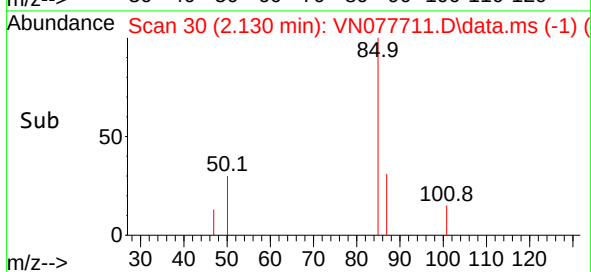
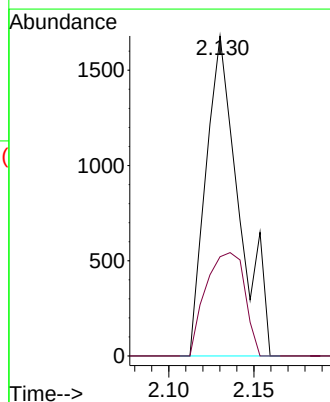
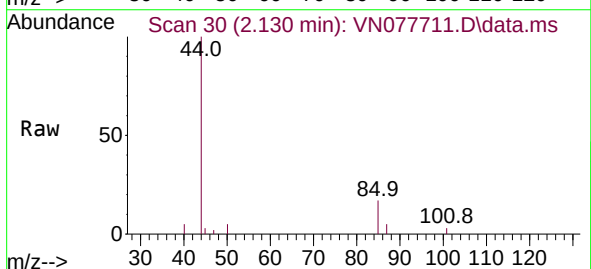
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Supervised By :Mahesh
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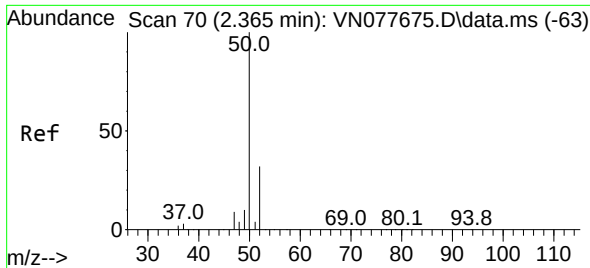
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#2
Dichlorodifluoromethane
Concen: 0.527 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

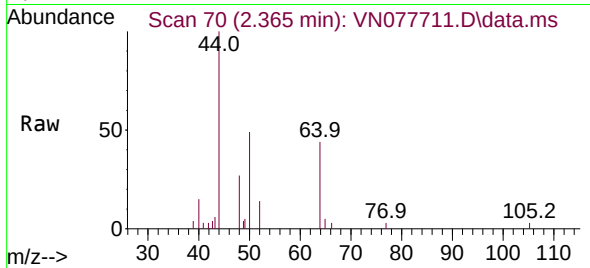
Tgt Ion: 85 Resp: 2249
Ion Ratio Lower Upper
85 100
87 31.0 15.8 47.4





#3
Chloromethane
Concen: 0.751 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



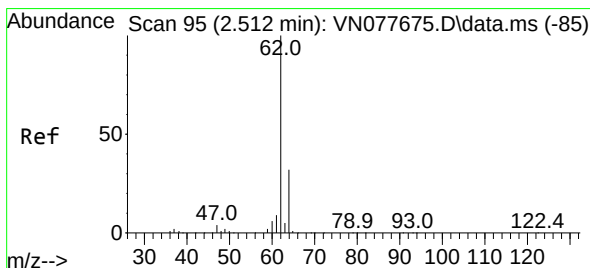
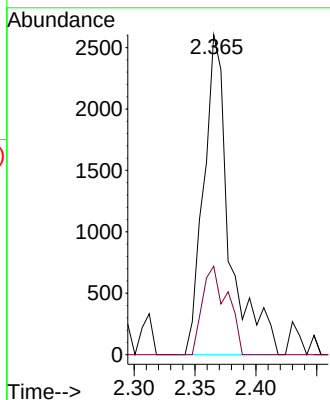
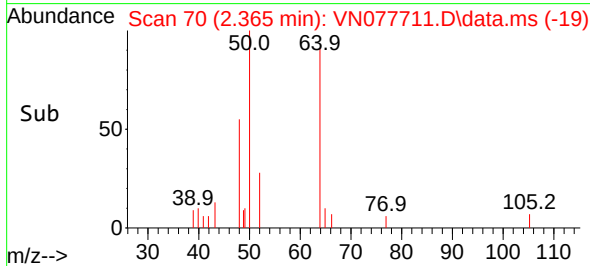
Tgt Ion: 50 Resp: 3838
Ion Ratio Lower Upper
50 100
52 27.6 26.5 39.7

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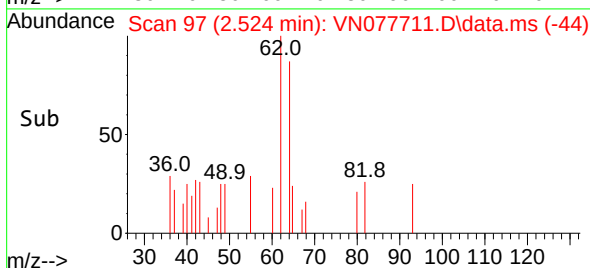
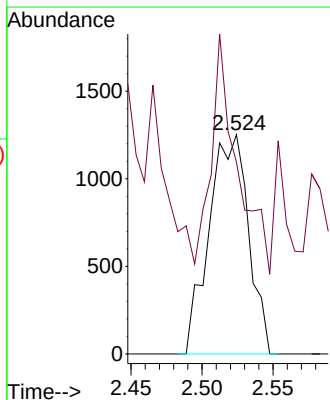
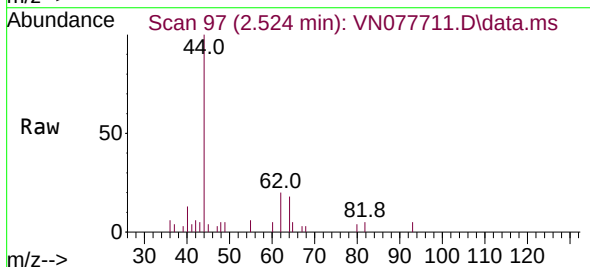
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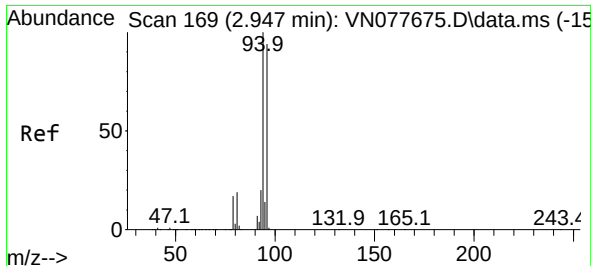
05/18/2023



#4
Vinyl Chloride
Concen: 0.450 ug/l
RT: 2.524 min Scan# 97
Delta R.T. 0.012 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

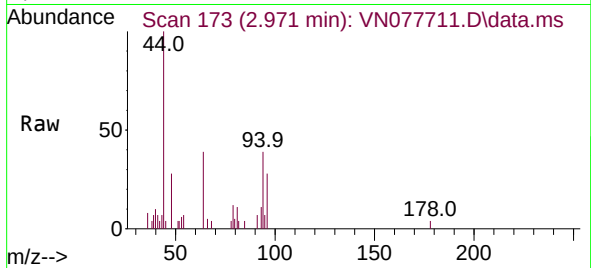
Tgt Ion: 62 Resp: 2423
Ion Ratio Lower Upper
62 100
64 31.7 26.2 39.2





#5
Bromomethane
Concen: 0.966 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN077711.D
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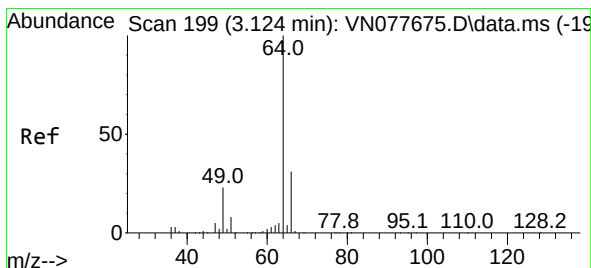
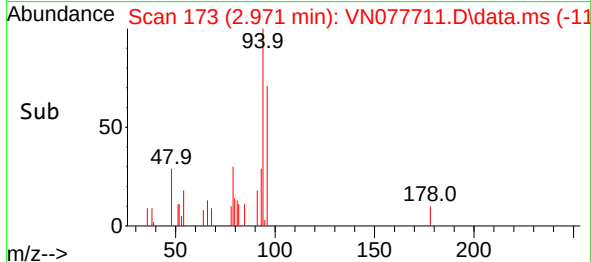
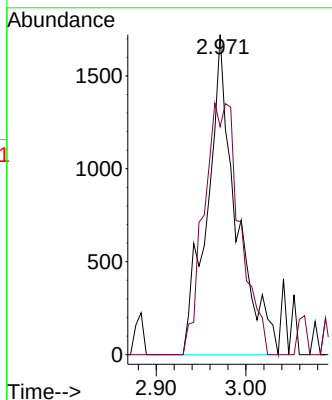
Tgt Ion: 94 Resp: 384
Ion Ratio Lower Upper
94 100
96 71.3 73.1 109.7

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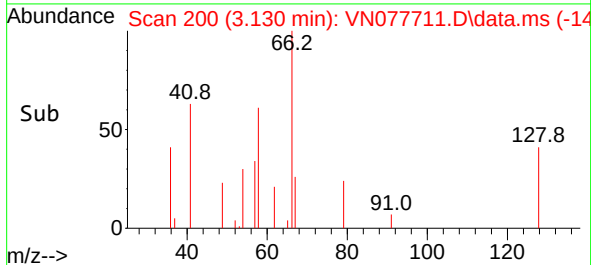
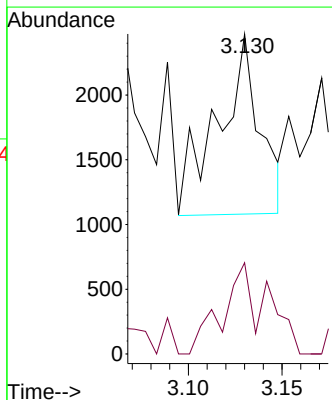
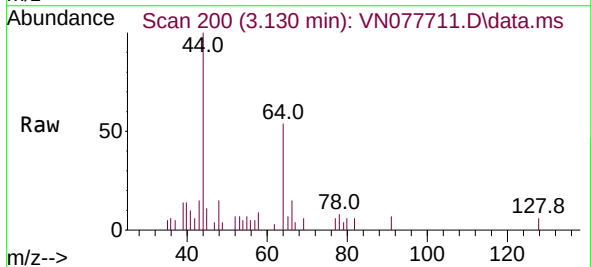
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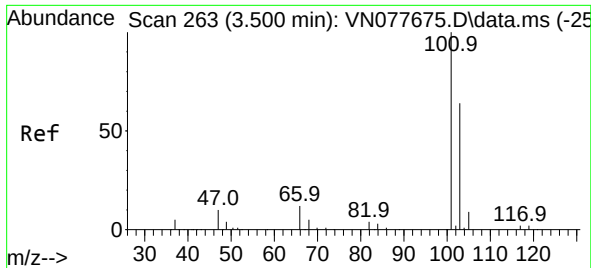
05/18/2023



#6
Chloroethane
Concen: 0.562 ug/l m
RT: 3.130 min Scan# 200
Delta R.T. 0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

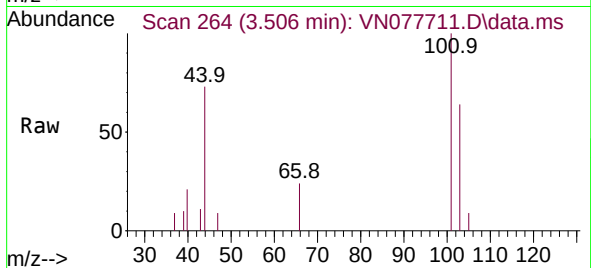
Tgt Ion: 64 Resp: 2177
Ion Ratio Lower Upper
64 100
66 28.5 25.4 38.2





#7
 Trichlorofluoromethane
 Concen: 0.530 ug/l
 RT: 3.506 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN077711.D
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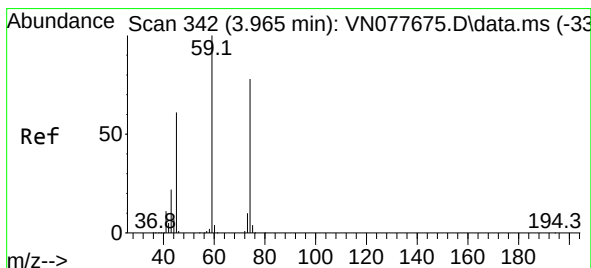
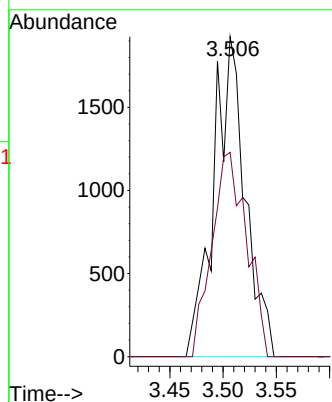
Tgt Ion:101 Resp: 397
 Ion Ratio Lower Upper
 101 100
 103 63.8 50.7 76.1

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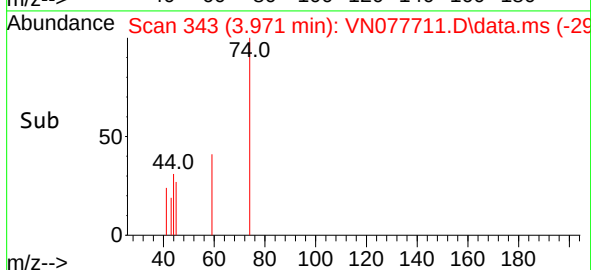
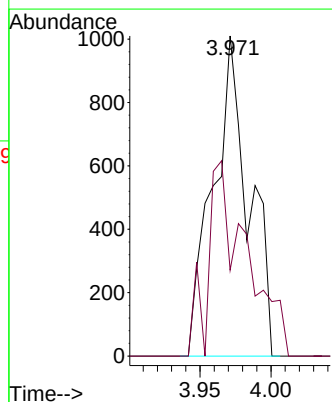
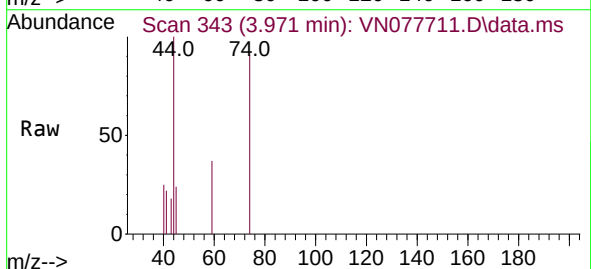
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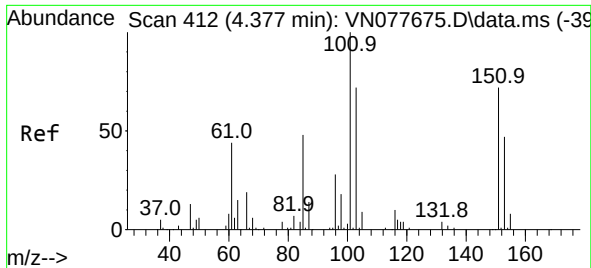
05/18/2023



#8
 Diethyl Ether
 Concen: 0.643 ug/l
 RT: 3.971 min Scan# 343
 Delta R.T. 0.006 min
 Lab File: VN077711.D
 Acq: 17 May 2023 14:09

Tgt Ion: 74 Resp: 1760
 Ion Ratio Lower Upper
 74 100
 45 66.4 34.4 103.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.392 ug/l m
RT: 4.389 min Scan# 412
Delta R.T. 0.012 min
Lab File: VN077711.D
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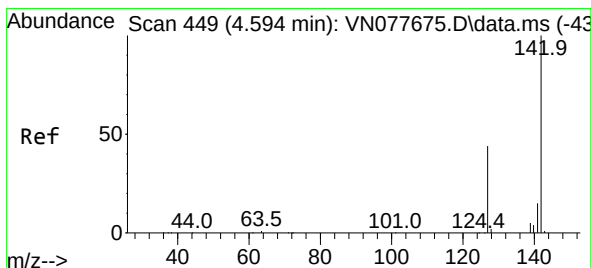
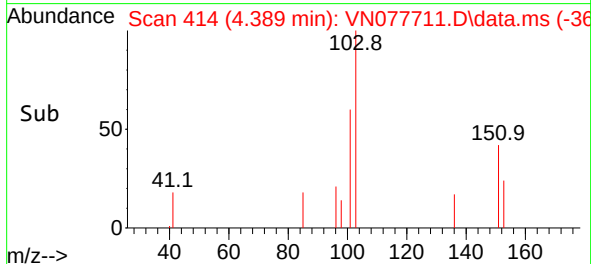
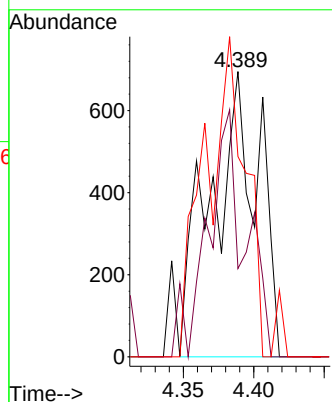
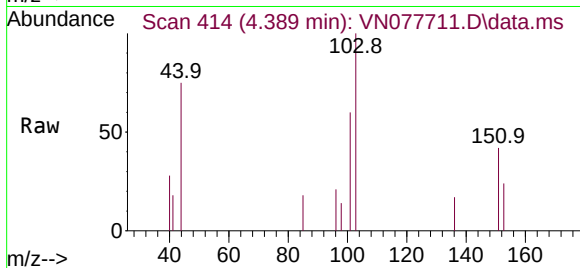
Tgt Ion:101 Resp: 1620
Ion Ratio Lower Upper
101 100
85 67.4 36.6 55.0
151 94.5 57.6 86.4

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Reviewed By :John
Carlone

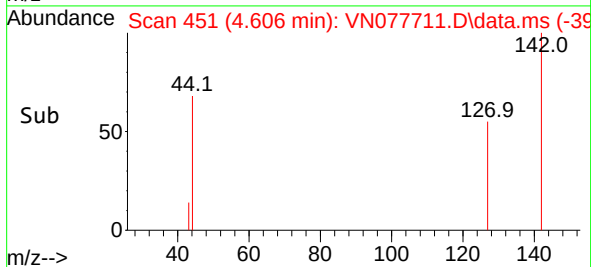
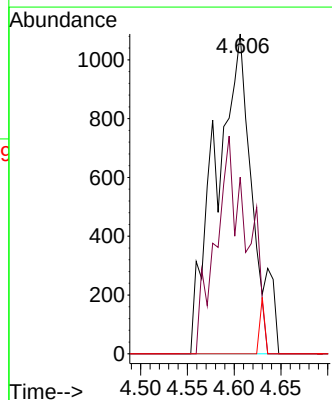
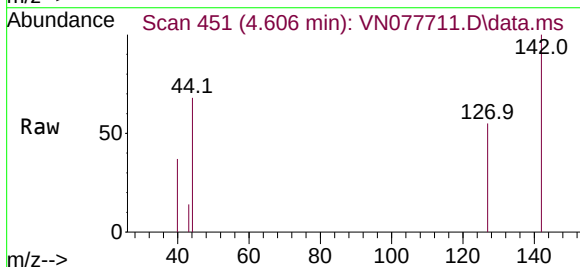
05/18/2023
Supervised By :Mahesh
Dadoda

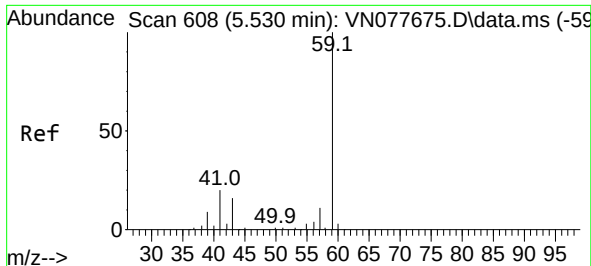
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#10
Methyl Iodide
Concen: 0.606 ug/l m
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion:142 Resp: 2999
Ion Ratio Lower Upper
142 100
127 55.2 37.6 56.4
141 0.0 11.4 17.0





#11

Tert butyl alcohol

Concen: 2.692 ug/l

RT: 5.536 min Scan# 608

Delta R.T. 0.006 min

Lab File: VN077711.D

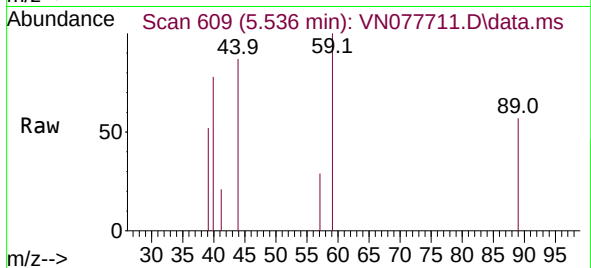
Acq: 17 May 2023 14:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023



Tgt Ion: 59 Resp: 2084

Ion Ratio Lower Upper

59 100

57 8.4 8.2 12.4

Manual Integrations

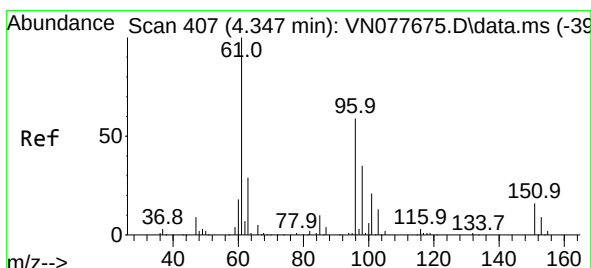
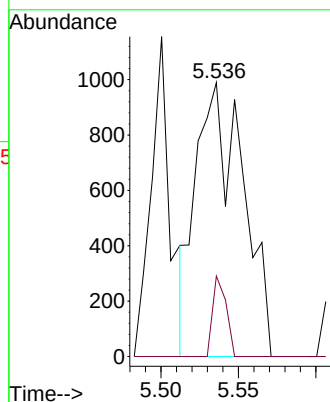
APPROVED

Reviewed By :John
Carlone

05/18/2023

Supervised By :Mahesh
Dadoda

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#12

1,1-Dichloroethene

Concen: 0.664 ug/l

RT: 4.348 min Scan# 407

Delta R.T. 0.001 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

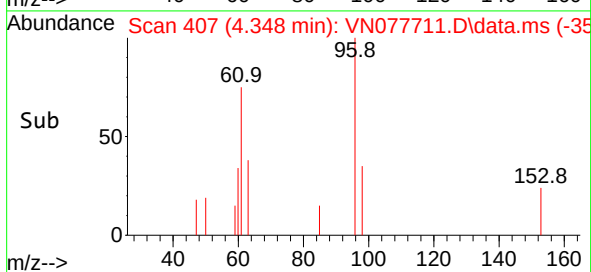
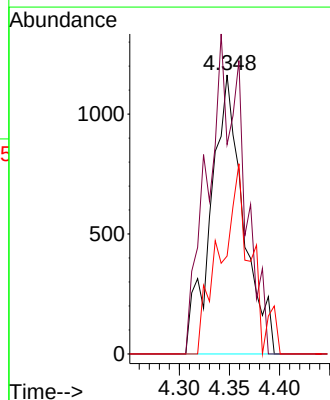
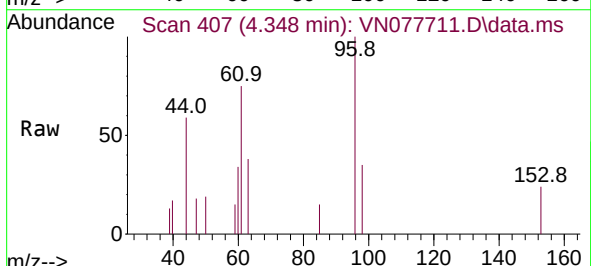
Tgt Ion: 96 Resp: 2619

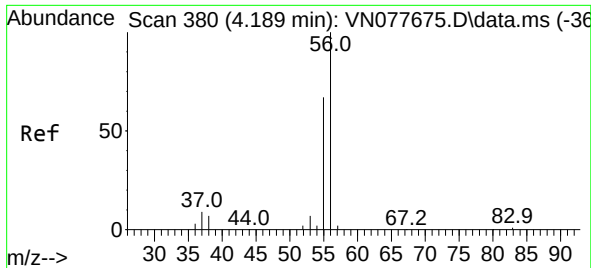
Ion Ratio Lower Upper

96 100

61 75.1 112.7 169.1#

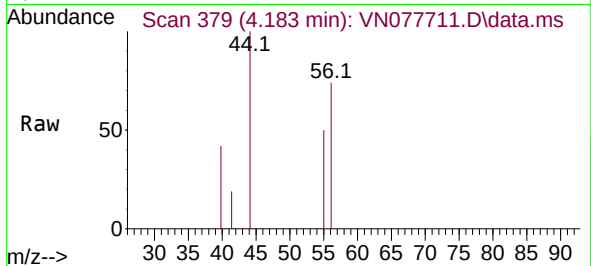
98 35.1 51.2 76.8#





#13
Acrolein
Concen: 2.836 ug/l m
RT: 4.183 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



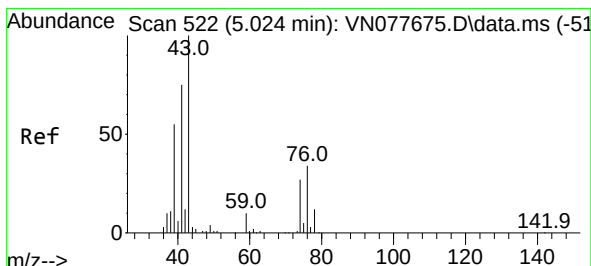
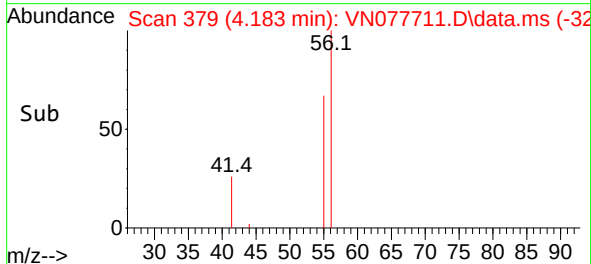
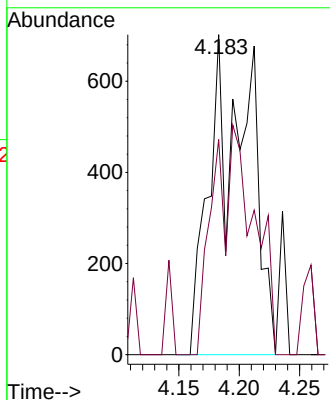
Tgt Ion: 56 Resp: 156
Ion Ratio Lower Upper
56 100
55 28.1 54.5 81.7

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Reviewed By :John
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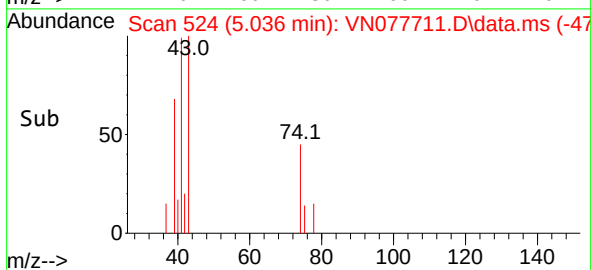
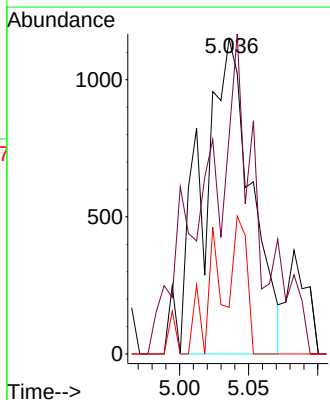
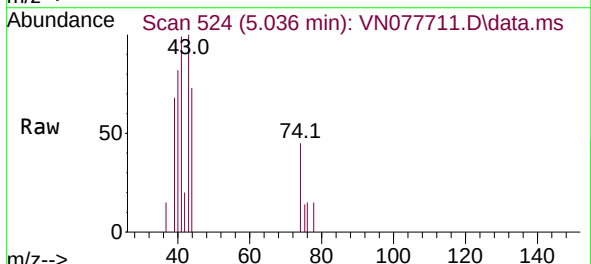
05/18/2023
Supervised By :Mahesh
Dadoda

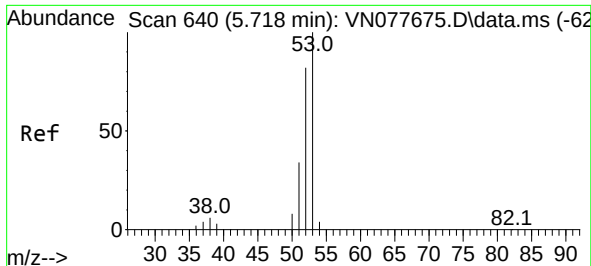
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#14
Allyl chloride
Concen: 0.481 ug/l m
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

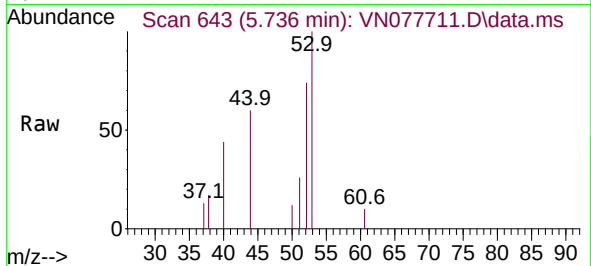
Tgt Ion: 41 Resp: 2787
Ion Ratio Lower Upper
41 100
39 0.0 58.8 88.2#
76 13.5 39.1 58.7#





#15
Acrylonitrile
Concen: 2.215 ug/l
RT: 5.736 min Scan# 640
Delta R.T. 0.018 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



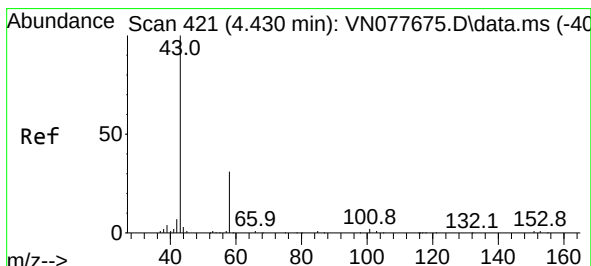
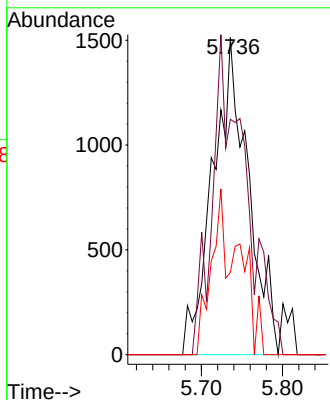
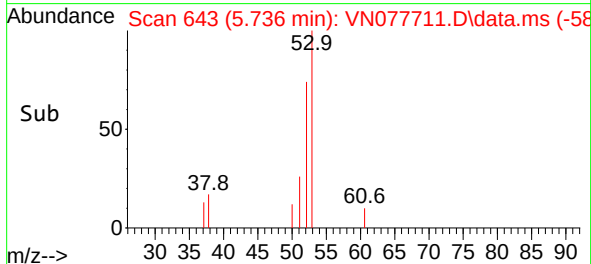
Tgt Ion: 53 Resp: 458
Ion Ratio Lower Upper
53 100
52 0.0 65.3 97.9
51 17.2 28.9 43.3

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Reviewed By :John
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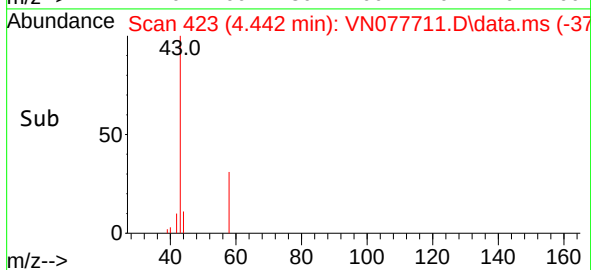
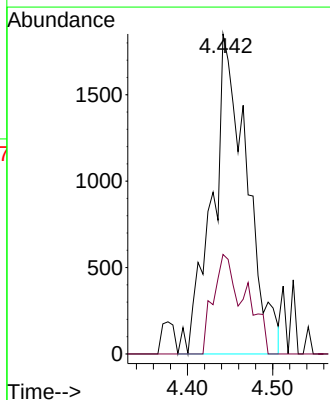
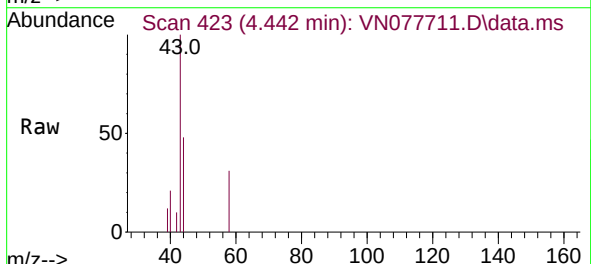
05/18/2023
Supervised By :Mahesh
Dadoda

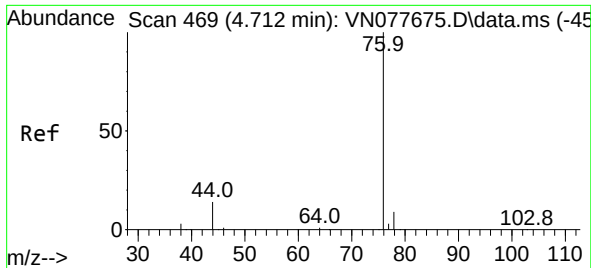
05/18/2023



#16
Acetone
Concen: 2.963 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

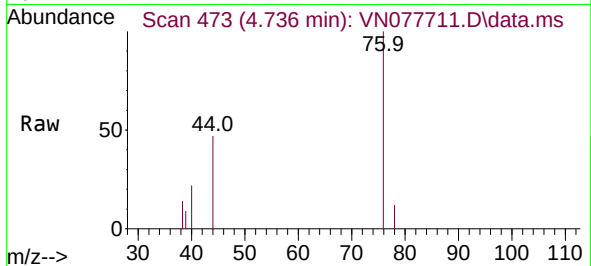
Tgt Ion: 43 Resp: 5228
Ion Ratio Lower Upper
43 100
58 31.1 28.0 42.0





#17
Carbon Disulfide
Concen: 0.547 ug/l m
RT: 4.736 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



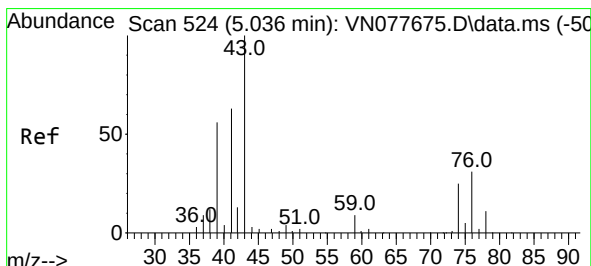
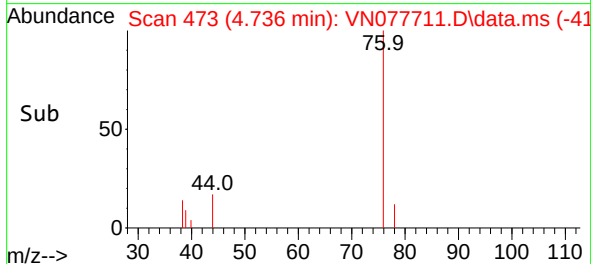
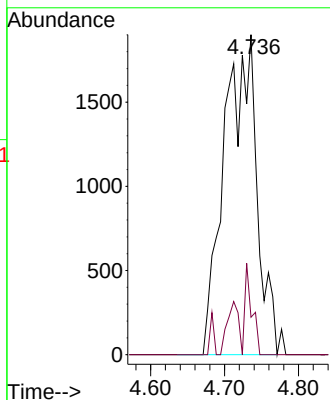
Tgt Ion: 76 Resp: 5810
Ion Ratio Lower Upper
76 100
78 11.7 7.4 11.0

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Reviewed By :John
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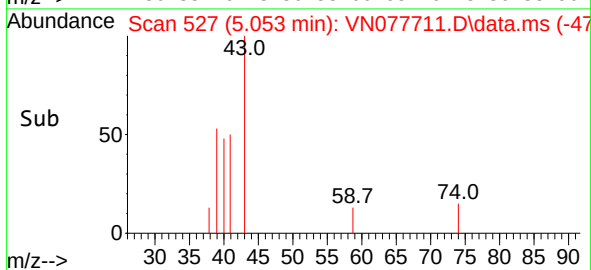
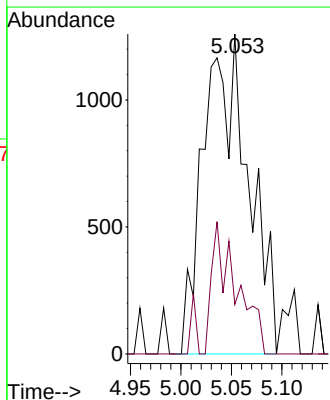
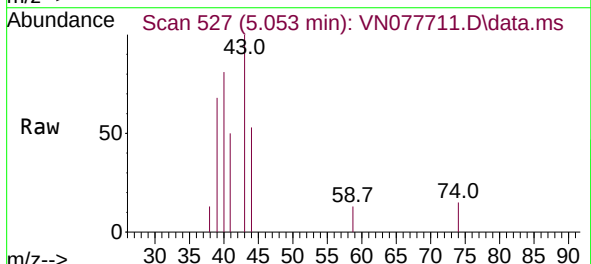
05/18/2023
Supervised By :Mahesh
Dadoda

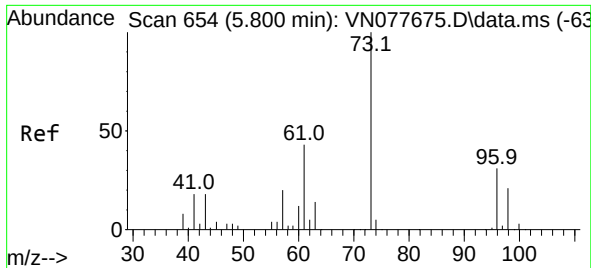
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#18
Methyl Acetate
Concen: 0.525 ug/l m
RT: 5.053 min Scan# 527
Delta R.T. 0.017 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

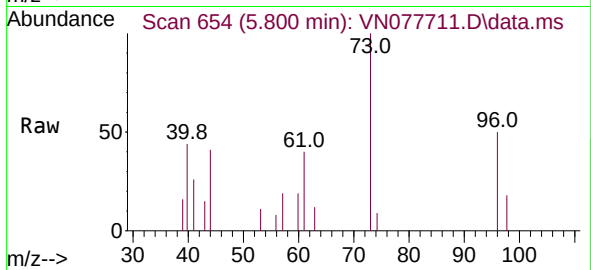
Tgt Ion: 43 Resp: 3890
Ion Ratio Lower Upper
43 100
74 22.9 26.2 39.4





#19
Methyl tert-butyl Ether
Concen: 0.513 ug/l
RT: 5.800 min Scan# 611
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



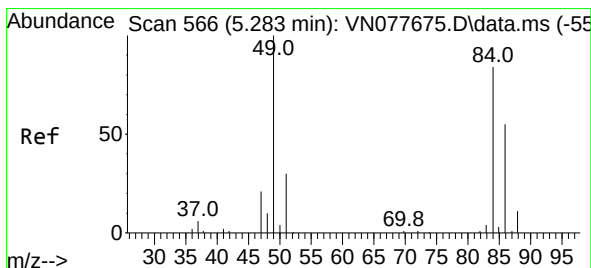
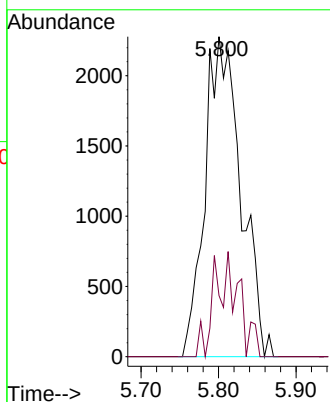
Tgt Ion: 73 Resp: 7320
Ion Ratio Lower Upper
73 100
57 19.1 15.6 23.4

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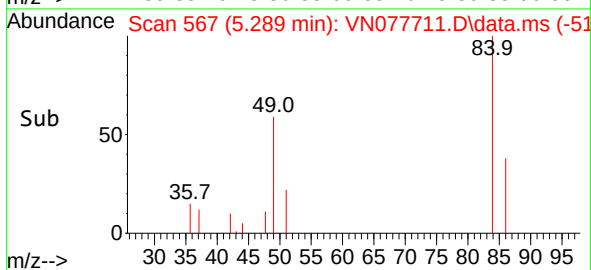
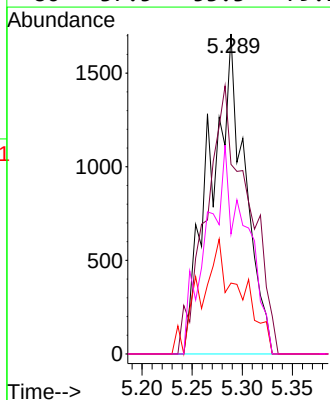
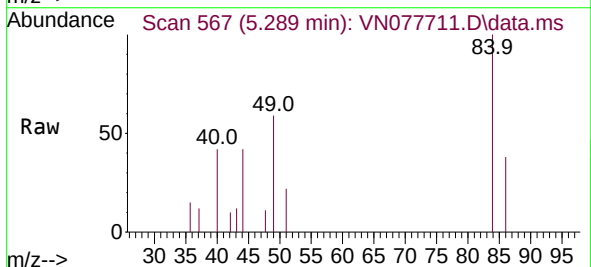
05/18/2023
Supervised By :Mahesh
Dadoda

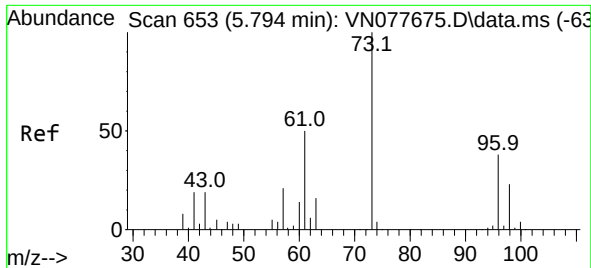
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#20
Methylene Chloride
Concen: 0.781 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

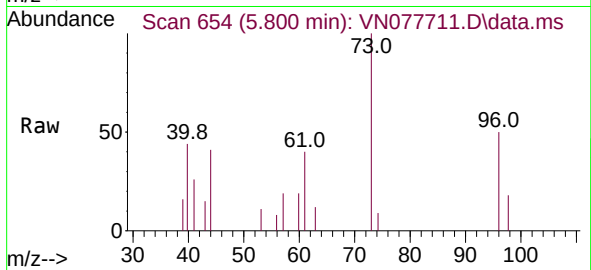
Tgt Ion: 84 Resp: 4129
Ion Ratio Lower Upper
84 100
49 59.3 79.7 119.5#
51 22.2 25.2 37.8#
86 37.5 53.3 79.9#





#21
trans-1,2-Dichloroethene
Concen: 0.620 ug/l
RT: 5.800 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



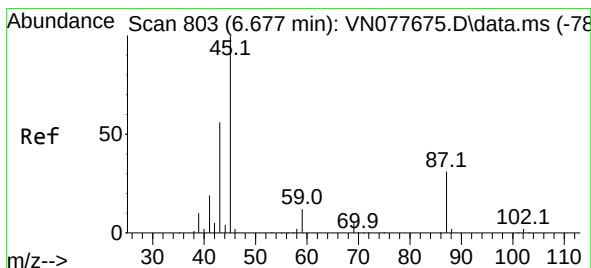
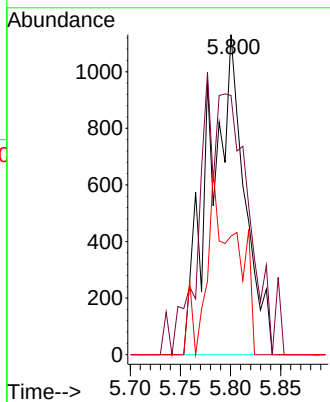
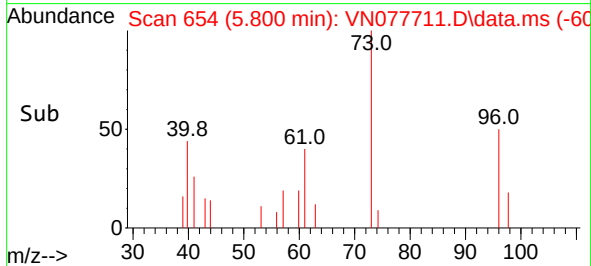
Tgt Ion: 96 Resp: 2745
Ion Ratio Lower Upper
96 100
61 66.0 90.1 135.1
98 37.0 46.4 69.6

Manual Integrations
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Reviewed By :John
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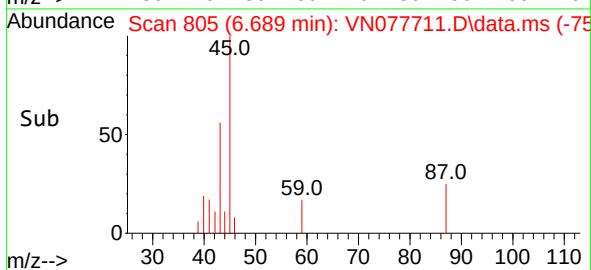
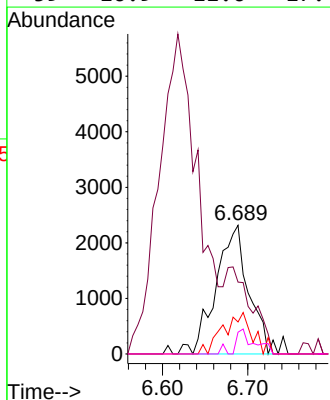
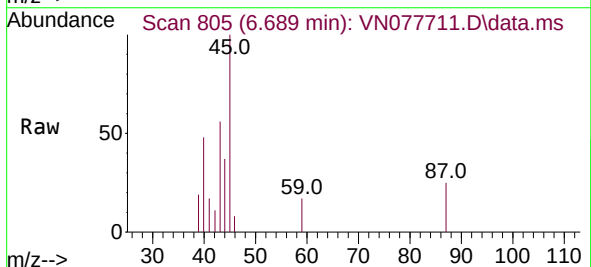
05/18/2023
Supervised By :Mahesh
Dadoda

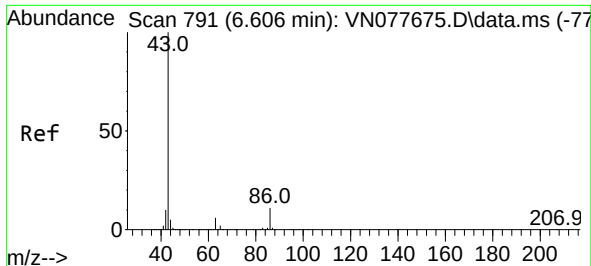
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#22
Diisopropyl ether
Concen: 0.458 ug/l
RT: 6.689 min Scan# 805
Delta R.T. 0.012 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

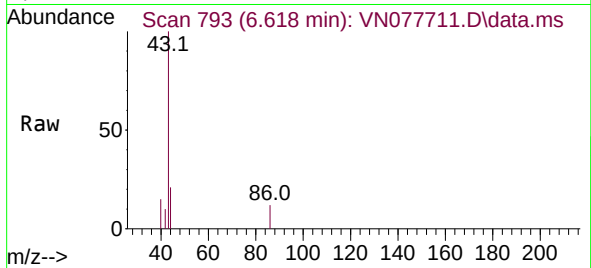
Tgt Ion: 45 Resp: 6215
Ion Ratio Lower Upper
45 100
43 55.8 45.5 68.3
87 24.9 31.8 47.8
59 16.9 11.6 17.4





#23
 Vinyl Acetate
 Concen: 2.203 ug/l
 RT: 6.618 min Scan# 793
 Delta R.T. 0.012 min
 Lab File: VN077711.D
 Acq: 17 May 2023 14:09

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



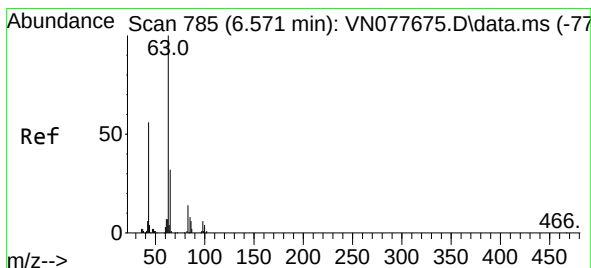
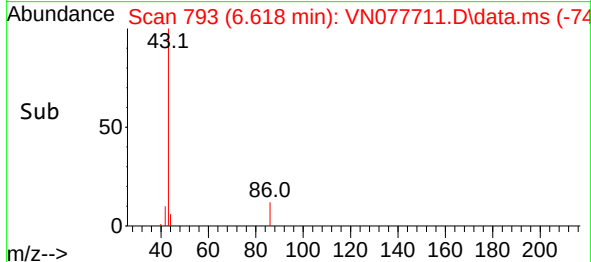
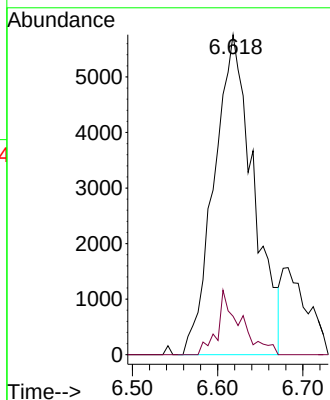
Tgt Ion: 43 Resp: 1853
 Ion Ratio Lower Upper
 43 100
 86 12.0 13.0 19.6

Manual Integrations
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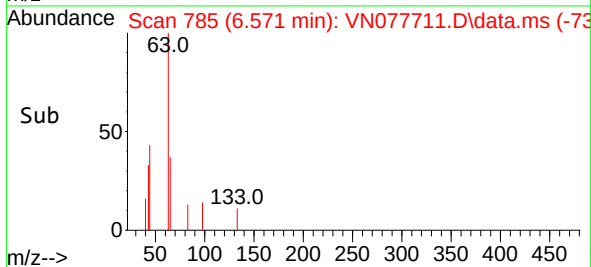
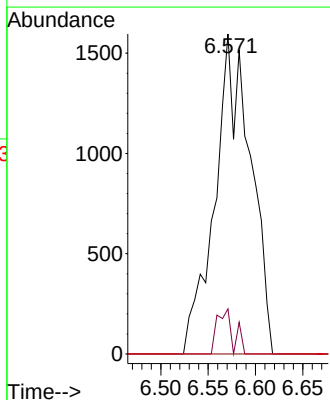
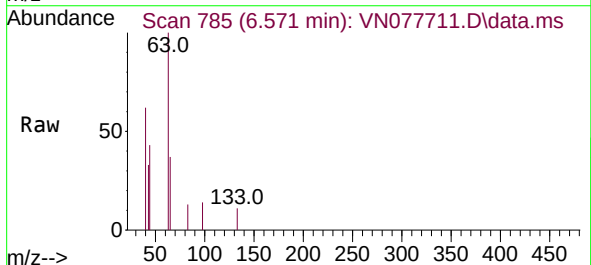
05/18/2023
 Supervised By :Mahesh
 Dadoda

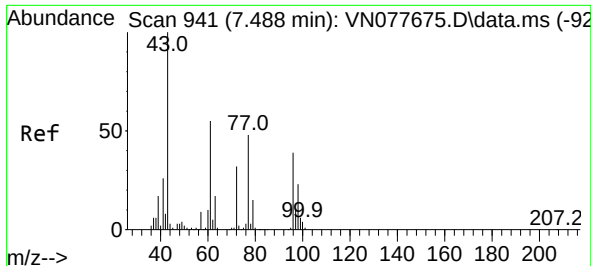
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#24
 1,1-Dichloroethane
 Concen: 0.505 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. -0.000 min
 Lab File: VN077711.D
 Acq: 17 May 2023 14:09

Tgt Ion: 63 Resp: 4201
 Ion Ratio Lower Upper
 63 100
 98 14.1 3.9 11.7#
 100 0.0 2.5 7.4#





#25
2-Butanone
Concen: 2.327 ug/l
RT: 7.494 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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

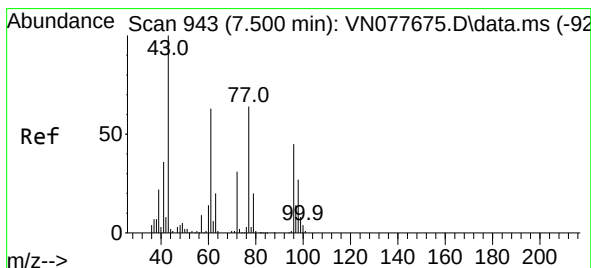
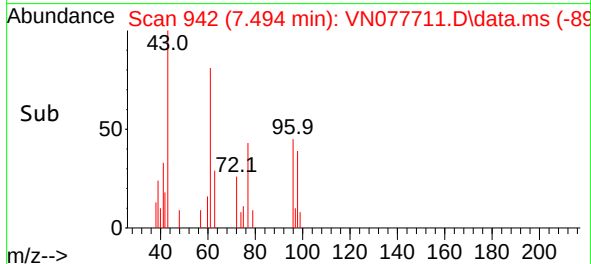
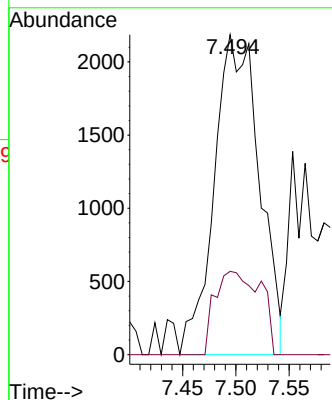
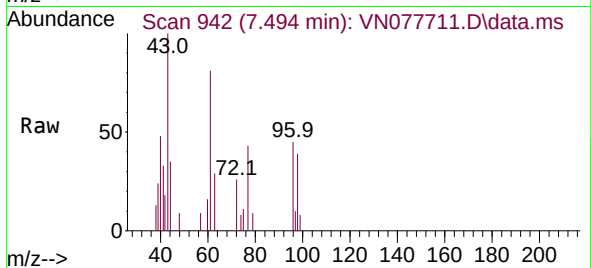
Tgt Ion: 43 Resp: 642
Ion Ratio Lower Upper
43 100
72 26.0 30.2 45.2

Manual Integrations
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Reviewed By :John
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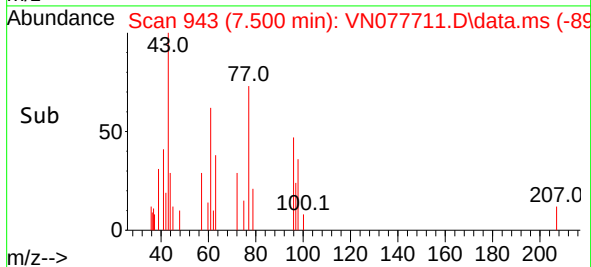
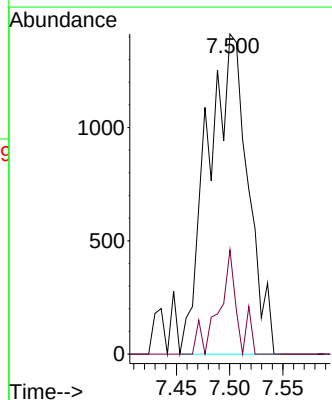
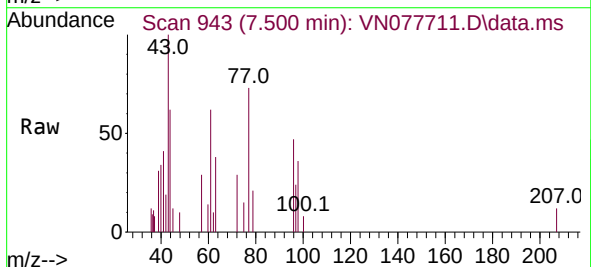
05/18/2023
Supervised By :Mahesh
Dadoda

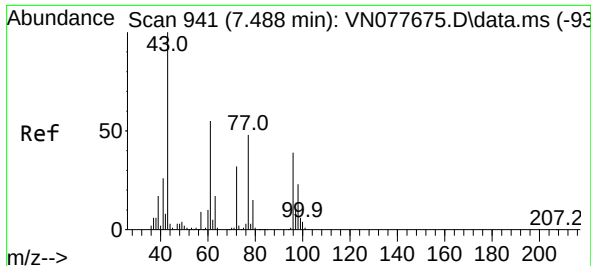
05/18/2023



#26
2,2-Dichloropropane
Concen: 0.527 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

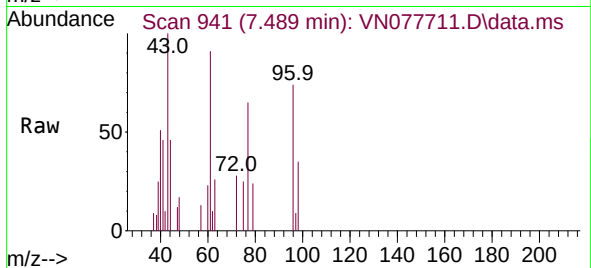
Tgt Ion: 77 Resp: 3725
Ion Ratio Lower Upper
77 100
97 15.0 11.2 33.6





#27
cis-1,2-Dichloroethene
Concen: 0.582 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.001 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



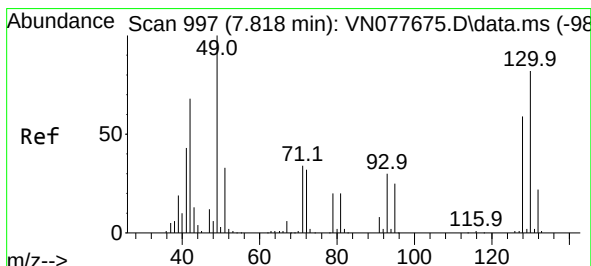
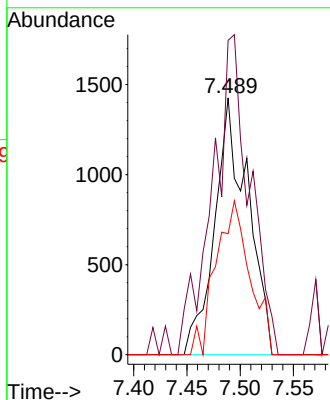
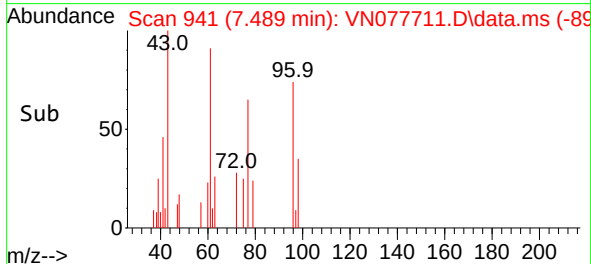
Tgt Ion: 96 Resp: 3089
Ion Ratio Lower Upper
96 100
61 139.5 0.0 255.2
98 61.7 0.0 128.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

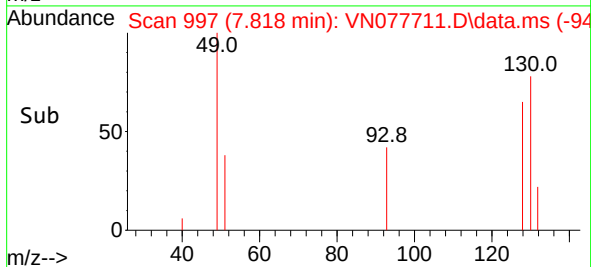
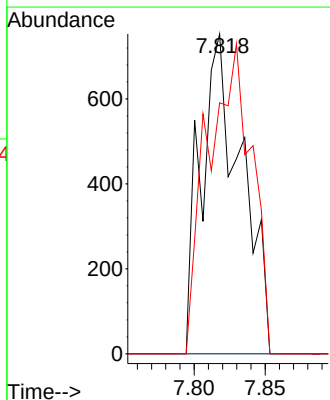
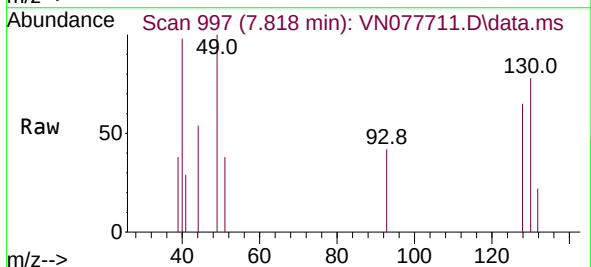
05/18/2023
Supervised By :Mahesh
Dadoda

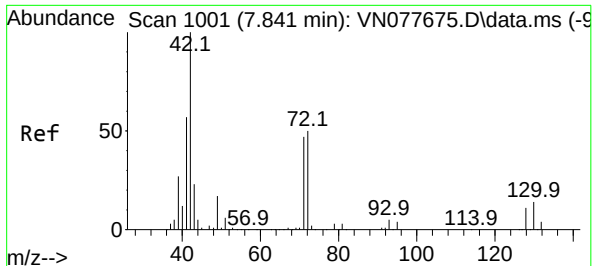
05/18/2023



#28
Bromochloromethane
Concen: 0.414 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion: 49 Resp: 1490
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.8
130 105.8 75.3 112.9





#29

Tetrahydrofuran

Concen: 2.622 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

Lab File: VN077711.D

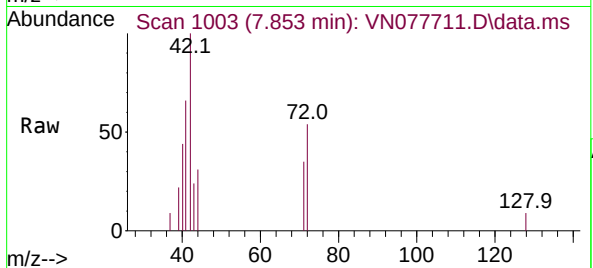
Acq: 17 May 2023 14:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023



Tgt Ion: 42	Resp: 4739
Ion Ratio	Lower Upper
42	100
72	45.7 49.8 74.6
71	28.4 47.4 71.2

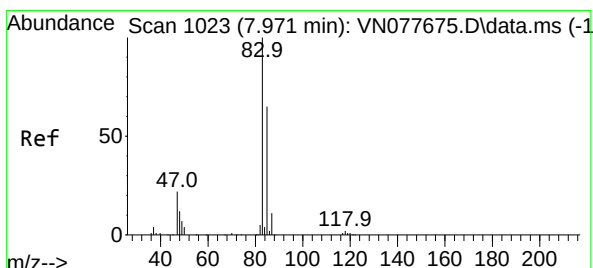
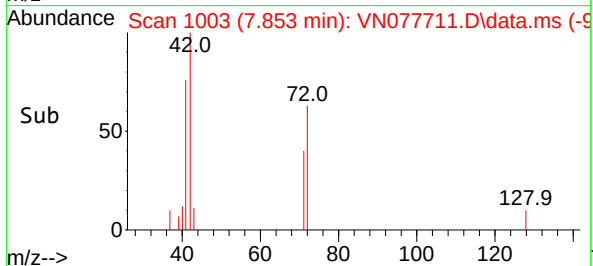
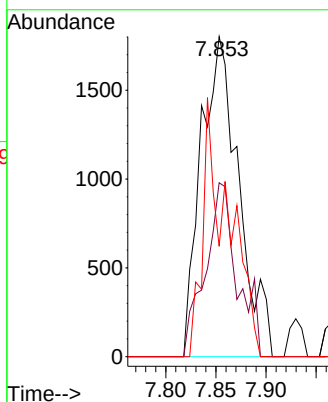
Manual Integrations
APPROVED

Reviewed By :John
Carlone

05/18/2023

Supervised By :Mahesh
Dadoda

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#30

Chloroform

Concen: 0.511 ug/l

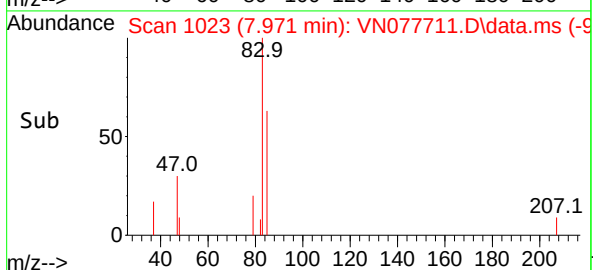
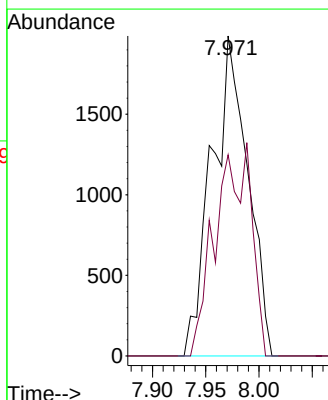
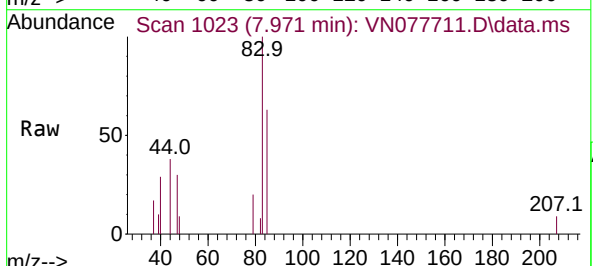
RT: 7.971 min Scan# 1023

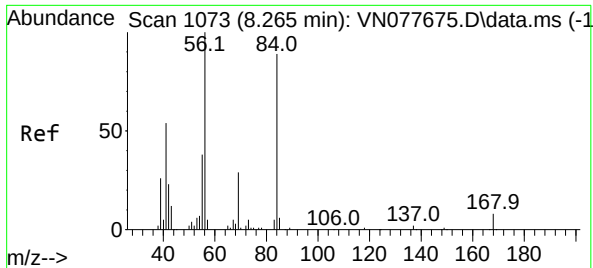
Delta R.T. -0.000 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

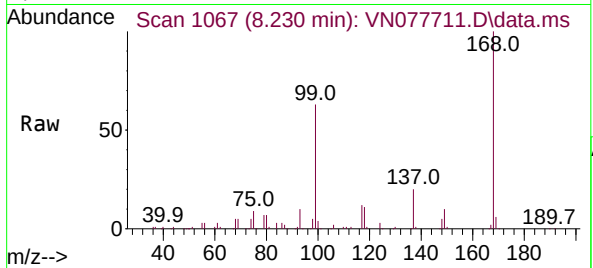
Tgt Ion: 83	Resp: 4676
Ion Ratio	Lower Upper
83	100
85	62.8 55.4 83.0





#31
Cyclohexane
Concen: 1.614 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



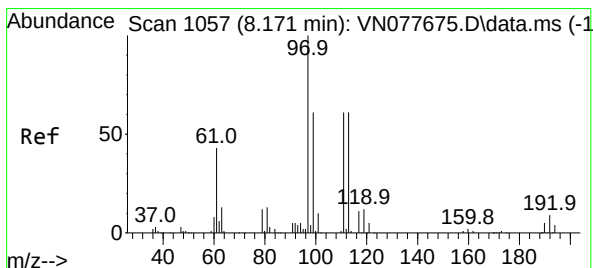
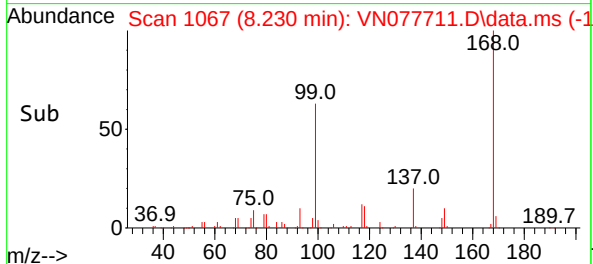
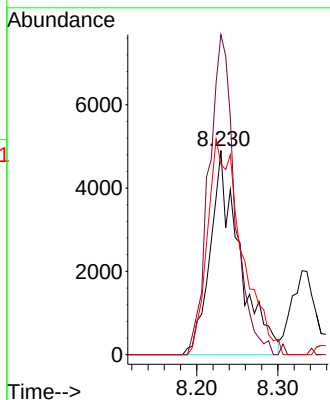
Tgt Ion: 56 Resp: 12300
Ion Ratio Lower Upper
56 100
69 156.8 26.8 40.2
84 93.2 81.8 122.6

Manual Integrations
APPROVED

Reviewed By :John
Carlone

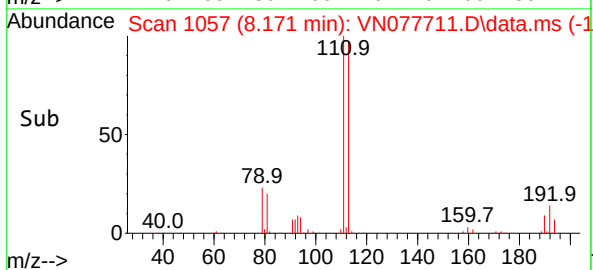
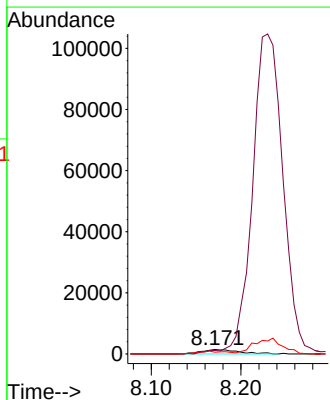
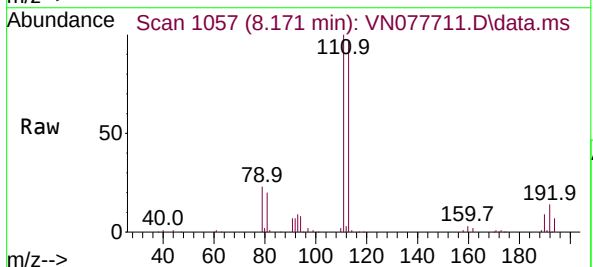
05/18/2023
Supervised By :Mahesh
Dadoda

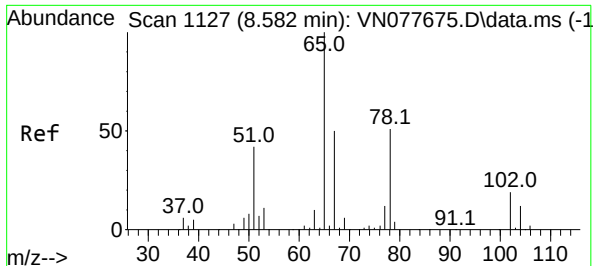
05/18/2023



#32
1,1,1-Trichloroethane
Concen: 0.532 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion: 97 Resp: 4137
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5
61 48.7 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 50.997 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 65 Resp: 286020

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6

Manual Integrations

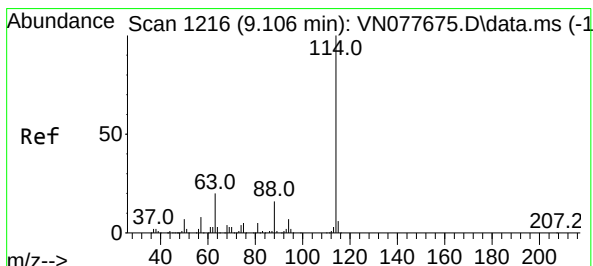
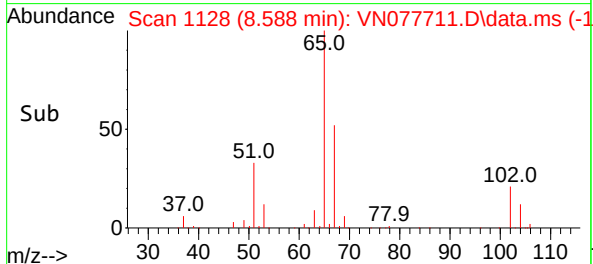
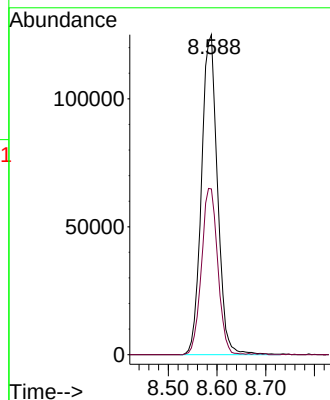
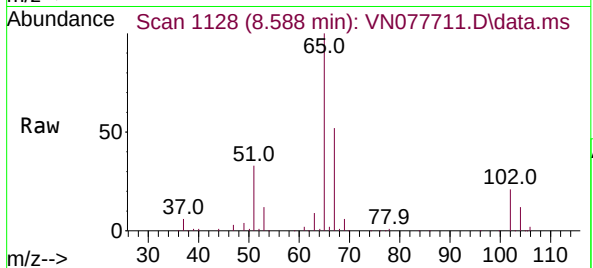
APPROVED

Reviewed By :John
Carlone

05/18/2023

Supervised By :Mahesh
Dadoda

05/18/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

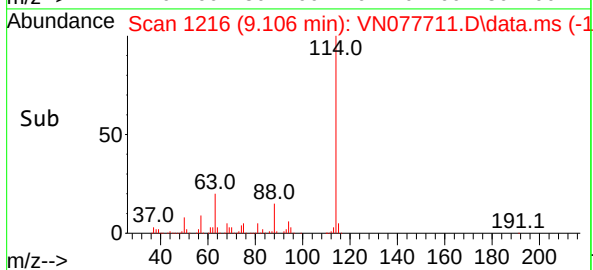
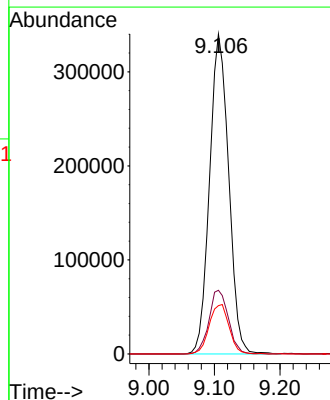
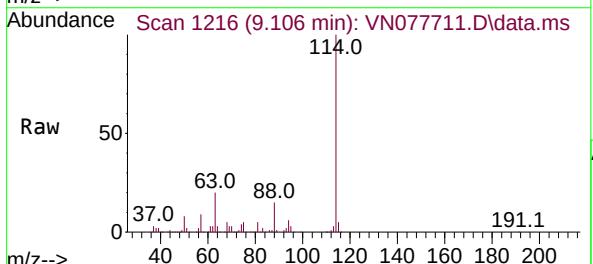
Tgt Ion:114 Resp: 688534

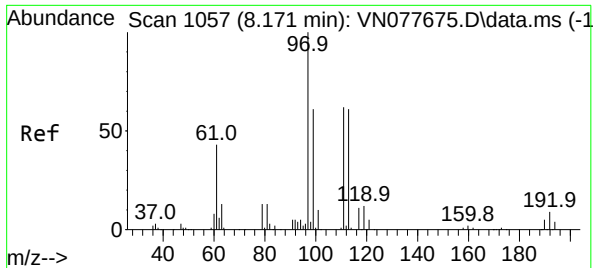
Ion Ratio Lower Upper

114 100

63 19.9 0.0 36.4

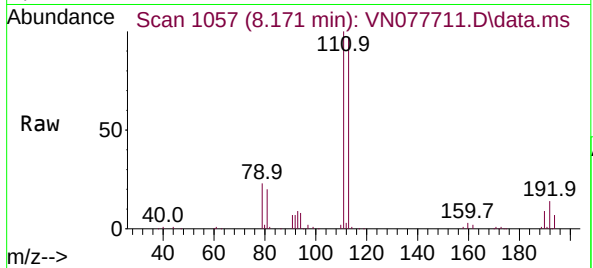
88 15.1 0.0 30.6





#35
Dibromofluoromethane
Concen: 51.231 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



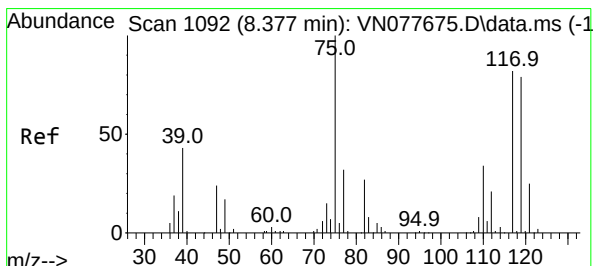
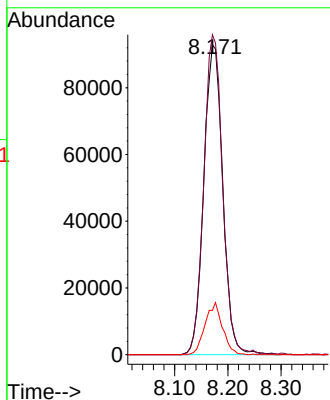
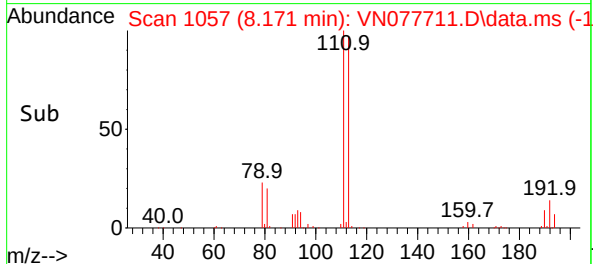
Tgt Ion: 113 Resp: 230020
Ion Ratio Lower Upper
113 100
111 102.2 82.6 123.8
192 15.4 12.7 19.1

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Reviewed By :John
Carlone

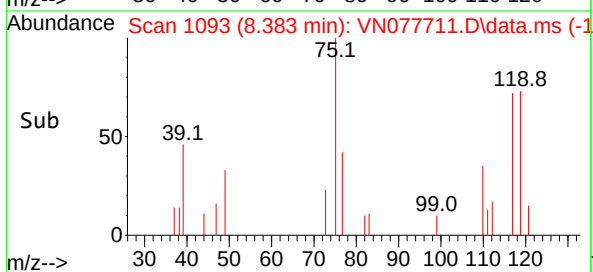
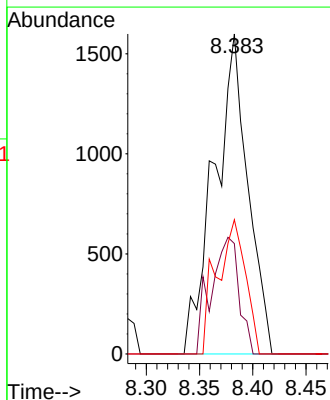
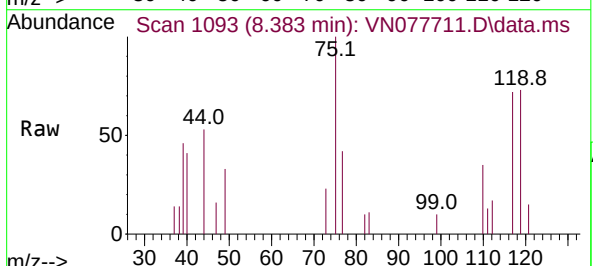
05/18/2023
Supervised By :Mahesh
Dadoda

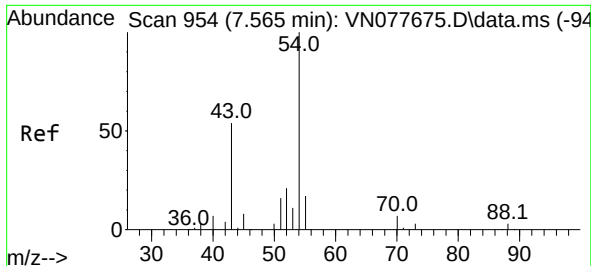
05/18/2023



#36
1,1-Dichloropropene
Concen: 0.536 ug/l
RT: 8.383 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion: 75 Resp: 3519
Ion Ratio Lower Upper
75 100
110 30.1 19.1 57.3
77 35.6 25.0 37.4





#37
Ethyl Acetate
Concen: 0.560 ug/l m
RT: 7.553 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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

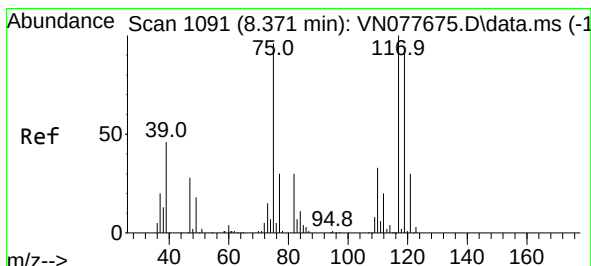
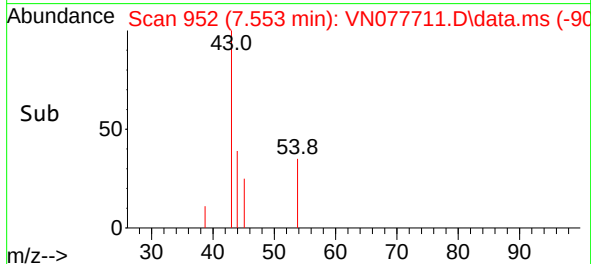
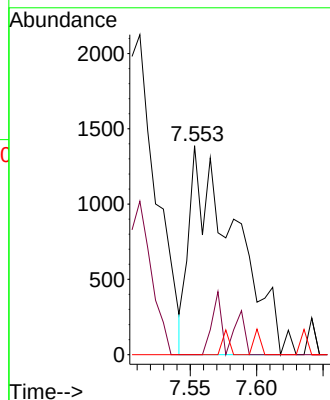
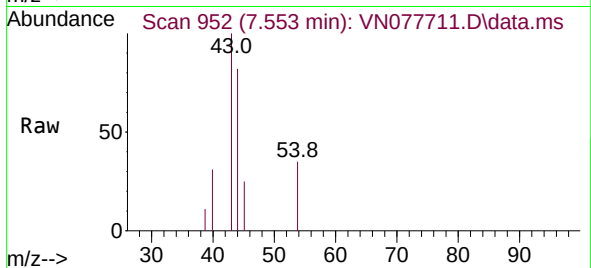
Tgt Ion: 43 Resp: 3279
Ion Ratio Lower Upper
43 100
61 0.0 13.2 19.8
70 0.0 11.3 16.9

Manual Integrations
APPROVED

Reviewed By :John
Carlone

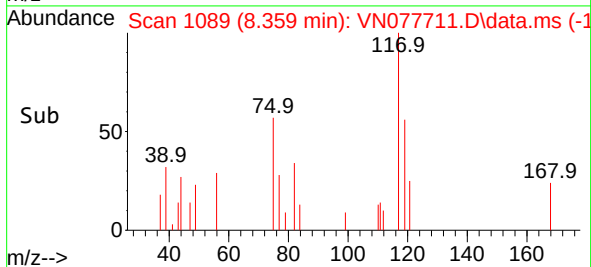
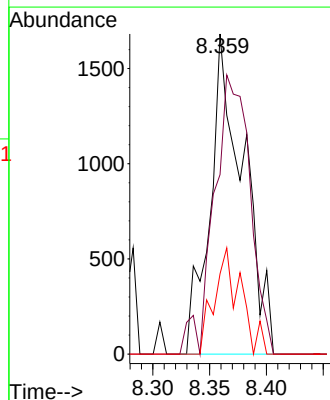
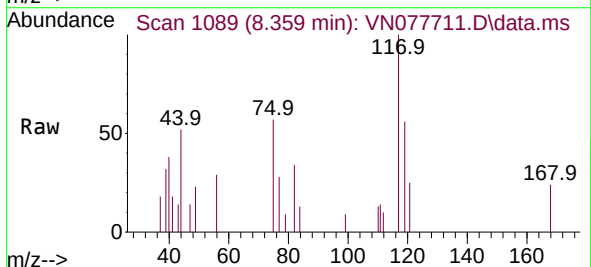
05/18/2023
Supervised By :Mahesh
Dadoda

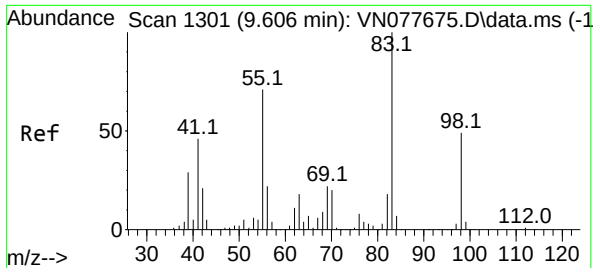
05/18/2023



#38
Carbon Tetrachloride
Concen: 0.519 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. -0.012 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

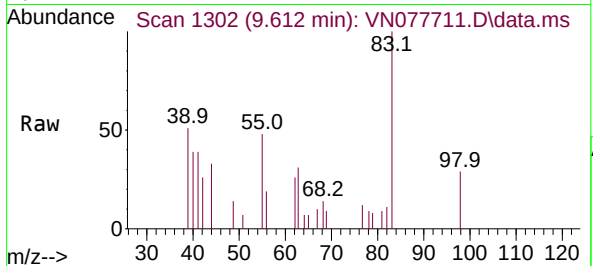
Tgt Ion:117 Resp: 3445
Ion Ratio Lower Upper
117 100
119 56.1 77.3 115.9#
121 25.1 23.3 34.9





#39
Methylcyclohexane
Concen: 0.493 ug/l
RT: 9.612 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



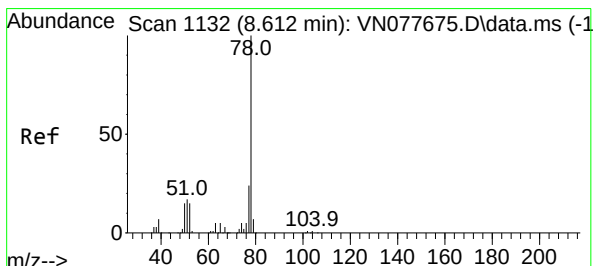
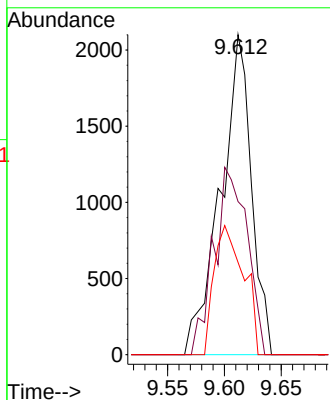
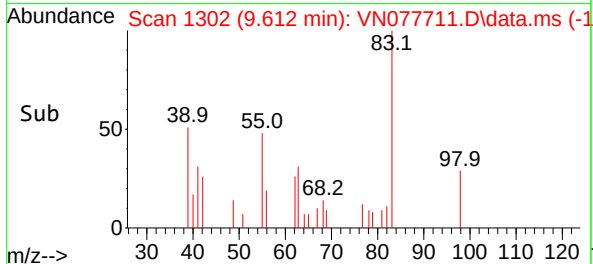
Tgt Ion: 83 Resp: 3960
Ion Ratio Lower Upper
83 100
55 47.8 49.1 73.7
98 28.8 40.6 61.0

Manual Integrations
APPROVED

Reviewed By :John
Carlone

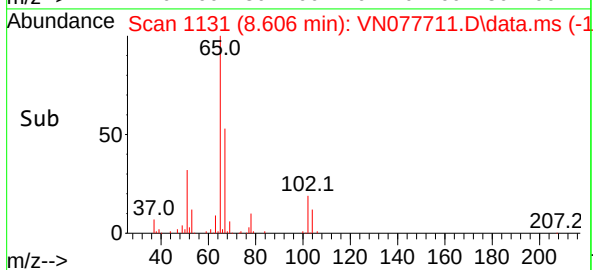
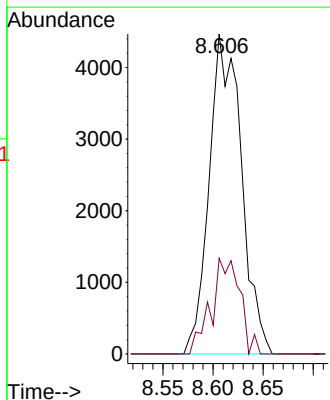
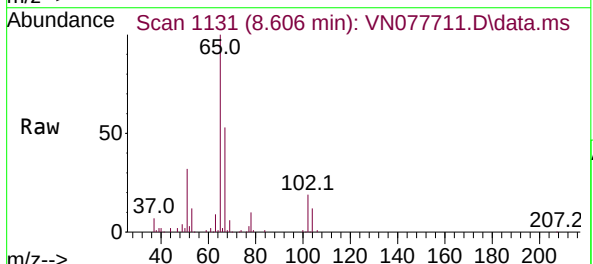
05/18/2023
Supervised By :Mahesh
Dadoda

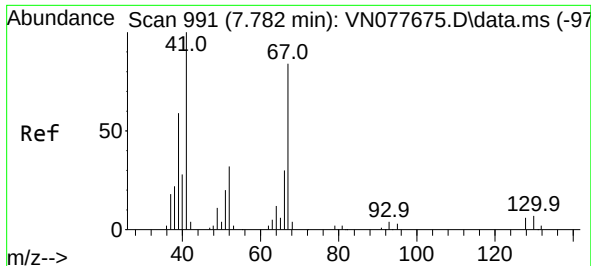
05/18/2023



#40
Benzene
Concen: 0.513 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

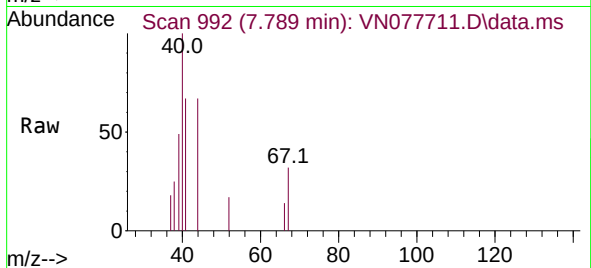
Tgt Ion: 78 Resp: 9949
Ion Ratio Lower Upper
78 100
77 29.9 19.0 28.6





#41
Methacrylonitrile
Concen: 0.456 ug/l
RT: 7.789 min Scan# 991
Delta R.T. 0.007 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



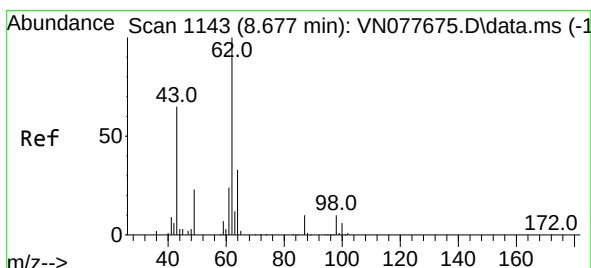
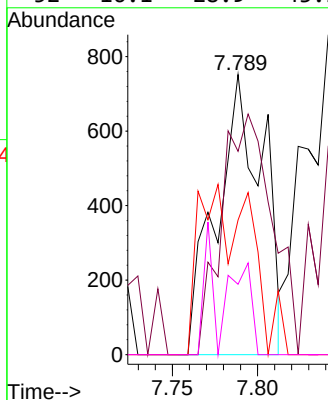
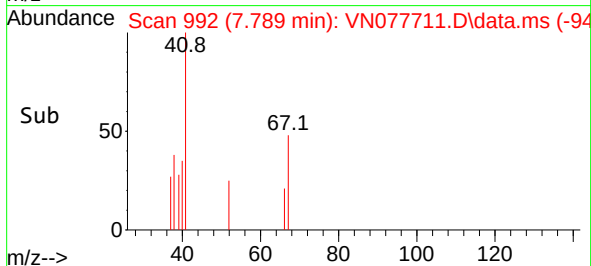
Tgt Ion: 41 Resp: 142
Ion Ratio Lower Upper
41 100
39 94.2 42.6 64.0
67 0.0 77.5 116.3
52 16.1 28.9 43.3

Manual Integrations
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Reviewed By :John
Carlone

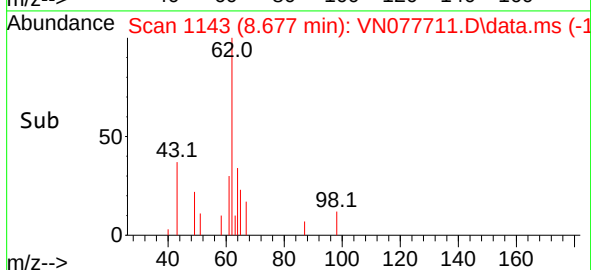
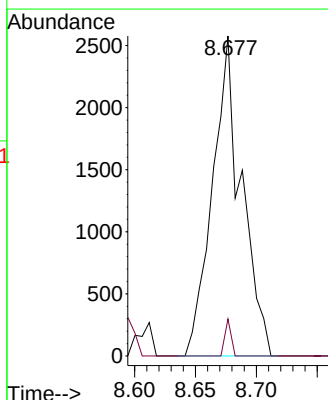
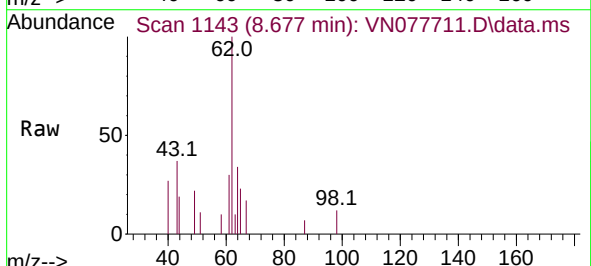
05/18/2023
Supervised By :Mahesh
Dadoda

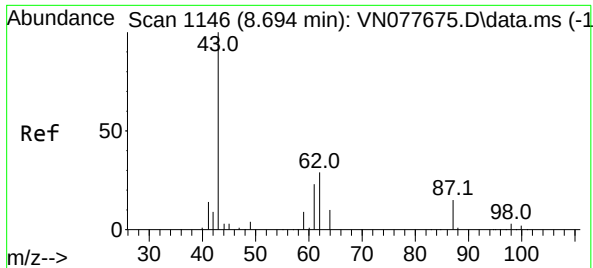
05/18/2023



#42
1,2-Dichloroethane
Concen: 0.608 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

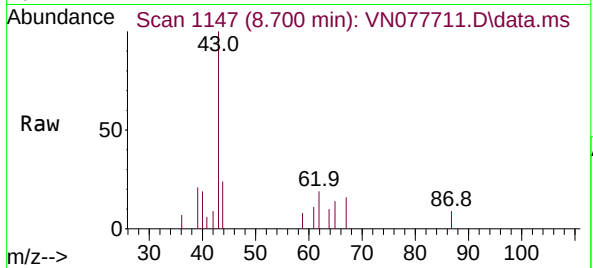
Tgt Ion: 62 Resp: 4283
Ion Ratio Lower Upper
62 100
98 2.5 0.0 19.8





#43
Isopropyl Acetate
Concen: 0.482 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



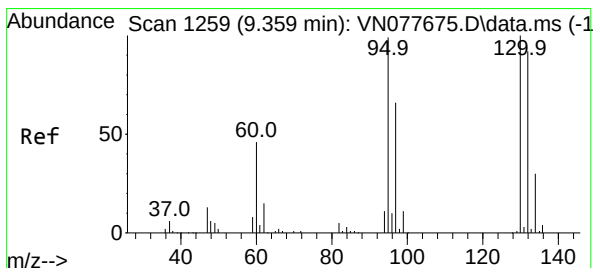
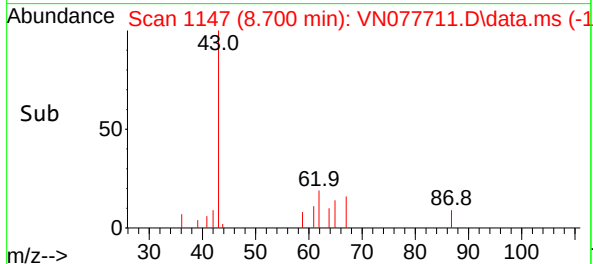
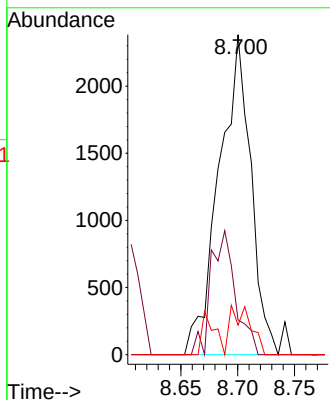
Tgt Ion: 43 Resp: 4604
Ion Ratio Lower Upper
43 100
61 29.9 24.7 37.1
87 9.9 14.6 21.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

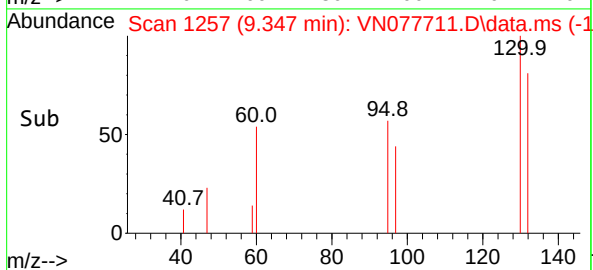
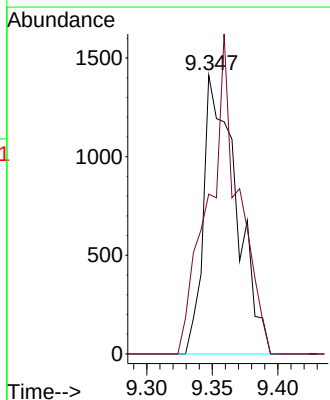
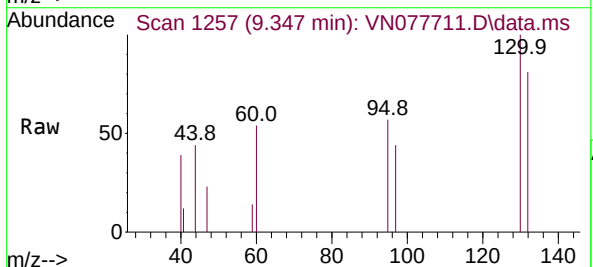
05/18/2023
Supervised By :Mahesh
Dadoda

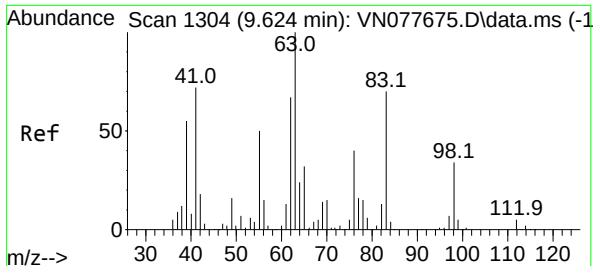
05/18/2023



#44
Trichloroethene
Concen: 0.502 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.012 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion:130 Resp: 2461
Ion Ratio Lower Upper
130 100
95 57.4 0.0 204.6





#45

1,2-Dichloropropane

Concen: 0.499 ug/l

RT: 9.635 min Scan# 1306

Delta R.T. 0.011 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 63 Resp: 2460
 Ion Ratio Lower Upper
 63 100
 65 23.2 23.9 35.9

Manual Integrations

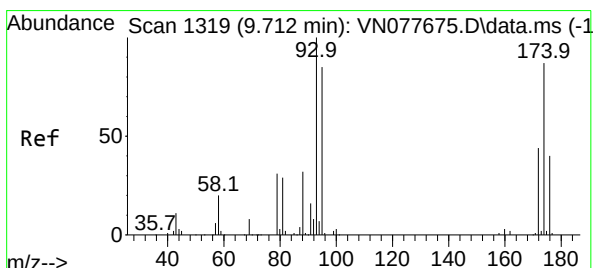
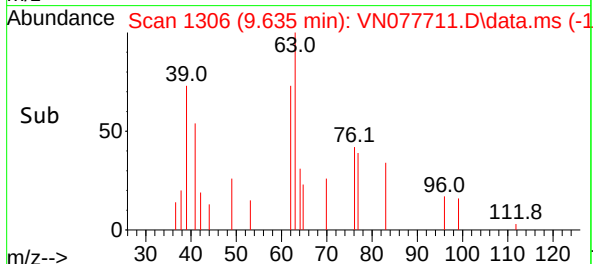
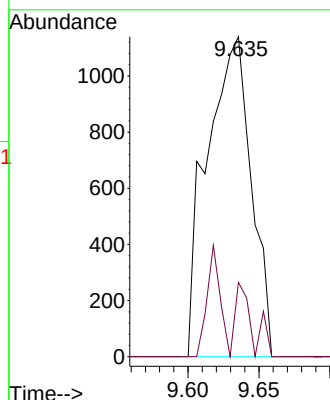
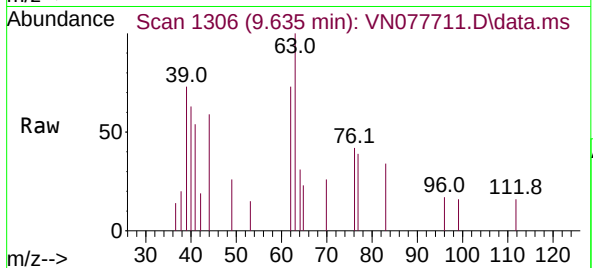
APPROVED

Reviewed By :John
 Carlone

05/18/2023

Supervised By :Mahesh
 Dadoda

05/18/2023



#46

Dibromomethane

Concen: 0.527 ug/l

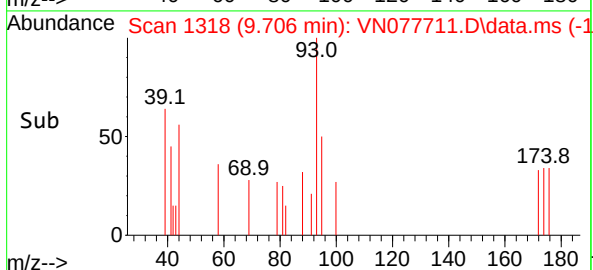
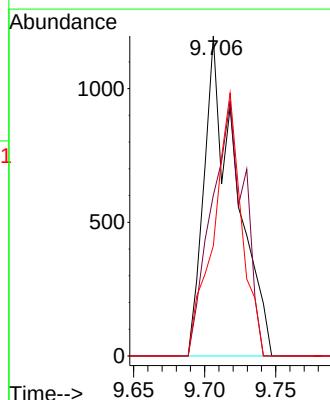
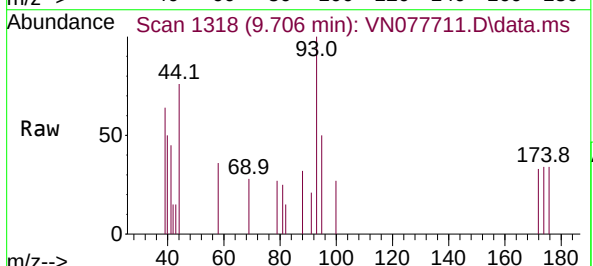
RT: 9.706 min Scan# 1318

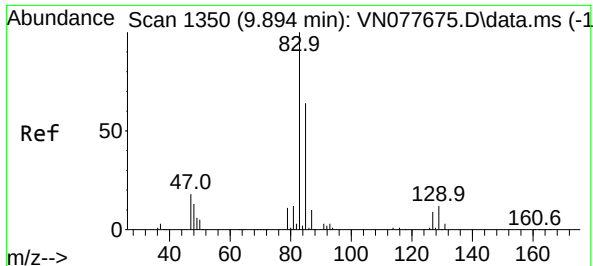
Delta R.T. -0.006 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

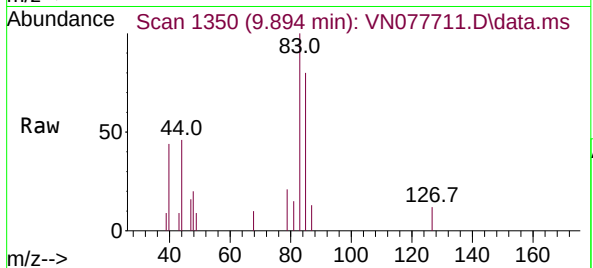
Tgt Ion: 93 Resp: 1865
 Ion Ratio Lower Upper
 93 100
 95 82.9 63.8 95.8
 174 71.8 65.6 98.4





#47
Bromodichloromethane
Concen: 0.496 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



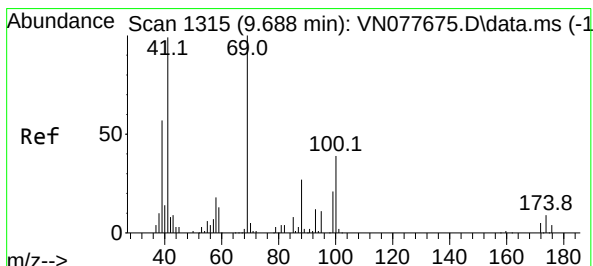
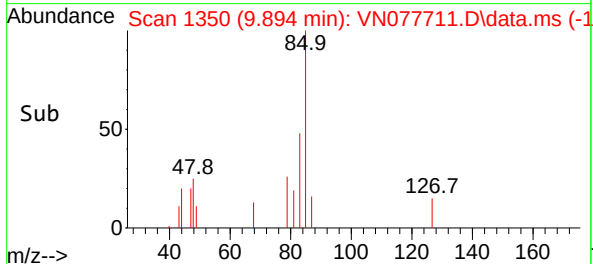
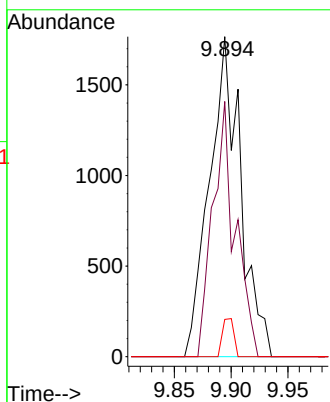
Tgt Ion: 83 Resp: 3360
Ion Ratio Lower Upper
83 100
85 79.7 49.6 74.4
127 11.7 7.0 10.6

Manual Integrations
APPROVED

Reviewed By :John
Carlone

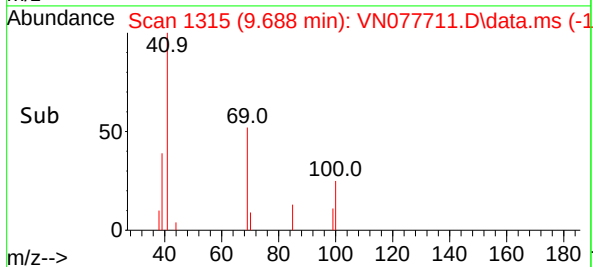
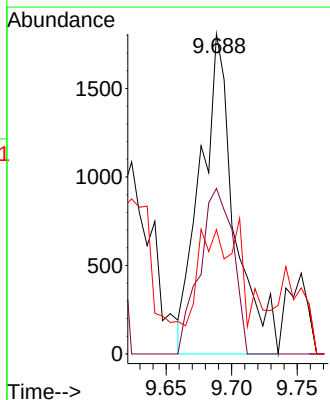
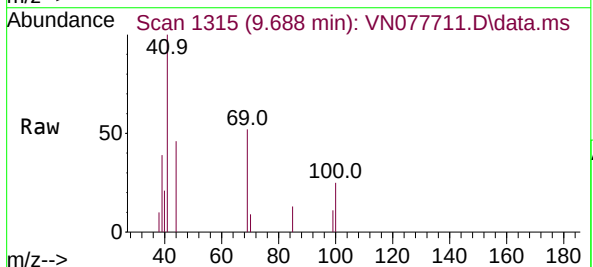
05/18/2023
Supervised By :Mahesh
Dadoda

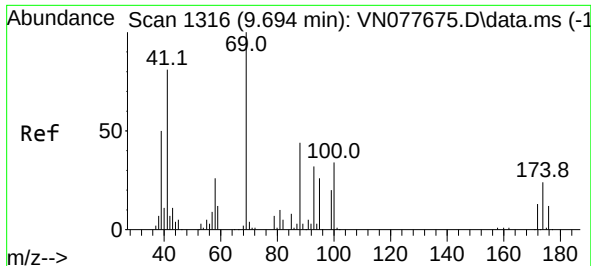
05/18/2023



#48
Methyl methacrylate
Concen: 0.719 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

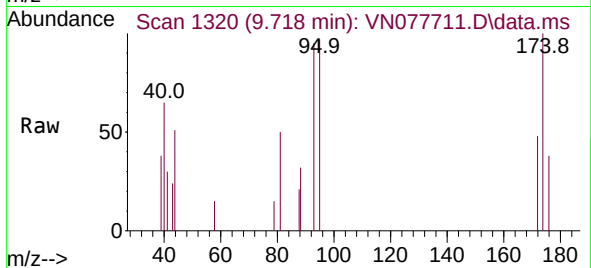
Tgt Ion: 41 Resp: 3260
Ion Ratio Lower Upper
41 100
69 51.1 90.4 135.6
39 55.9 54.6 81.8





#49
1,4-Dioxane
Concen: 7.732 ug/l
RT: 9.718 min Scan# 111
Delta R.T. 0.024 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



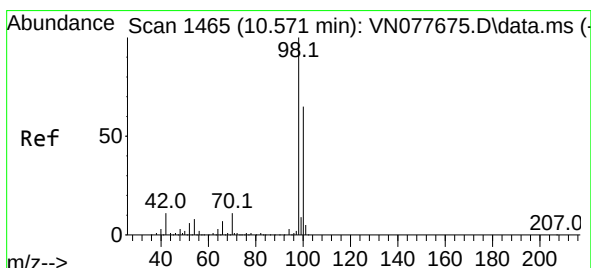
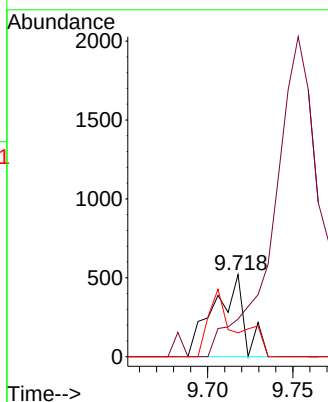
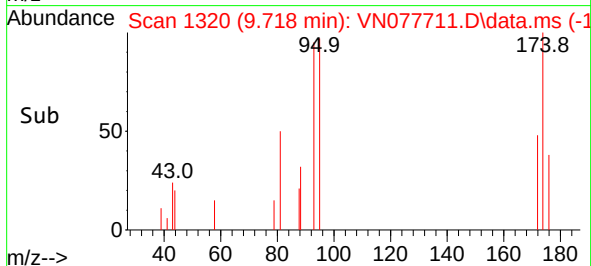
Tgt Ion: 88 Resp: 662
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6
58 73.3 47.0 70.4

Manual Integrations
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Reviewed By :John
Carlone

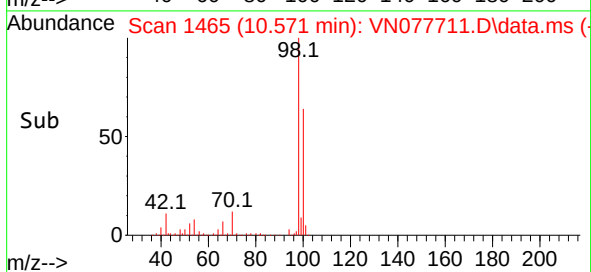
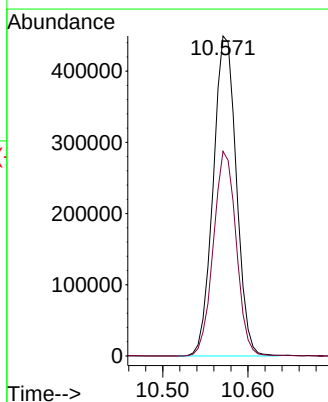
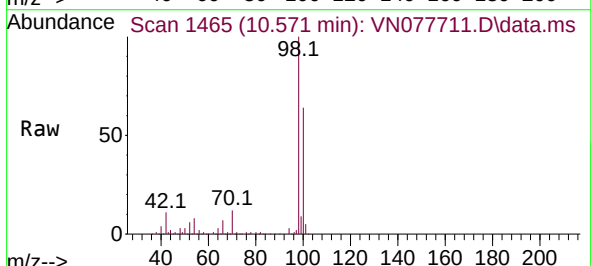
05/18/2023
Supervised By :Mahesh
Dadoda

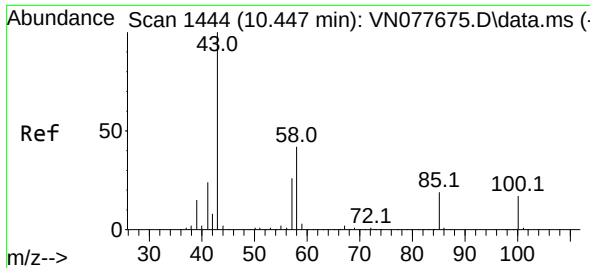
05/18/2023



#50
Toluene-d8
Concen: 49.143 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion: 98 Resp: 849286
Ion Ratio Lower Upper
98 100
100 63.1 52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 2.309 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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

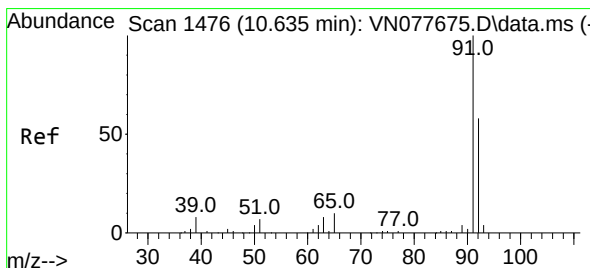
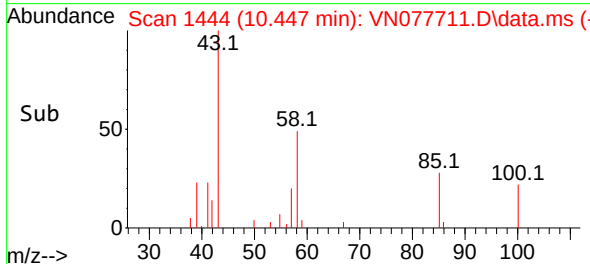
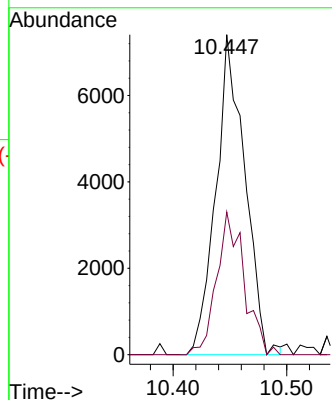
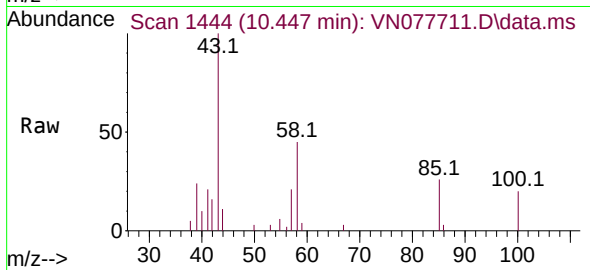
Tgt Ion: 43 Resp: 1312
Ion Ratio Lower Upper
43 100
58 42.3 36.6 54.8

Manual Integrations
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Reviewed By :John
Carlone

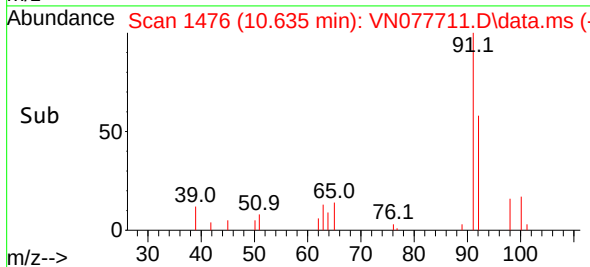
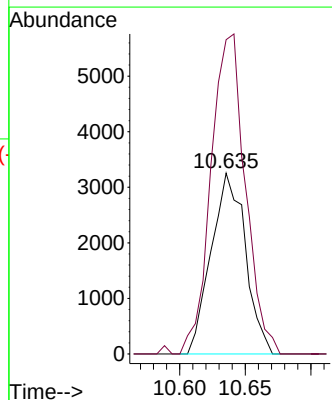
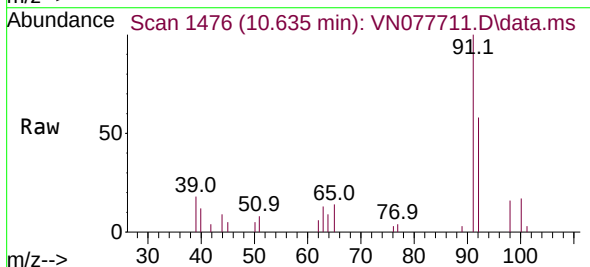
05/18/2023
Supervised By :Mahesh
Dadoda

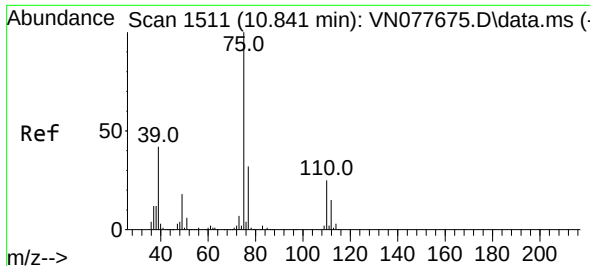
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#52
Toluene
Concen: 0.489 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion: 92 Resp: 5901
Ion Ratio Lower Upper
92 100
91 177.9 137.4 206.0





#53
t-1,3-Dichloropropene
Concen: 0.492 ug/l
RT: 10.853 min Scan# 1513
Delta R.T. 0.012 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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

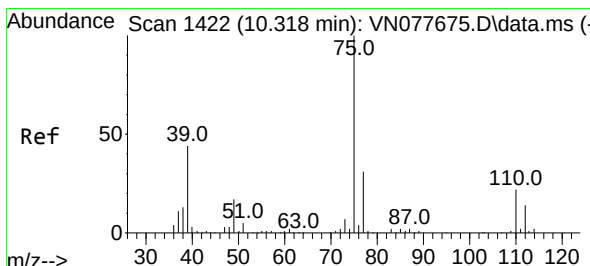
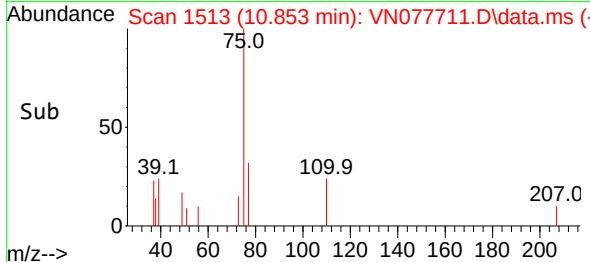
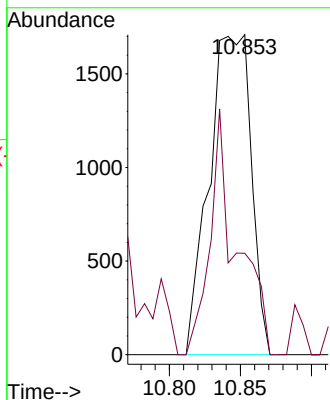
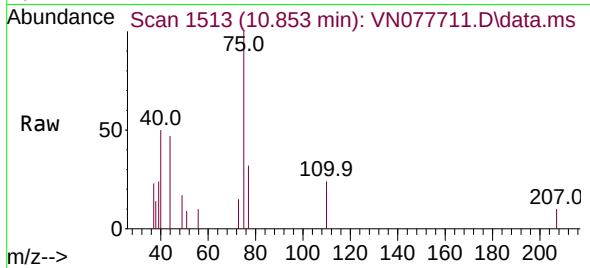
Tgt Ion: 75 Resp: 352
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0

Manual Integrations
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Reviewed By :John
Carlone

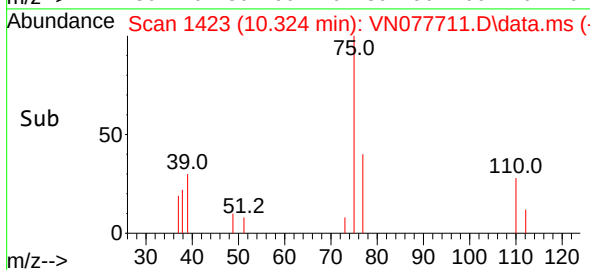
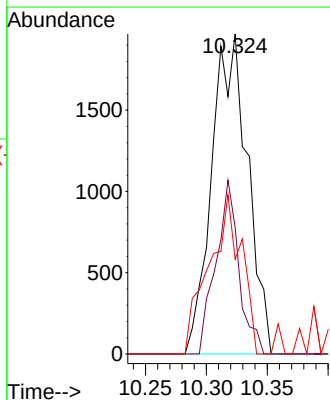
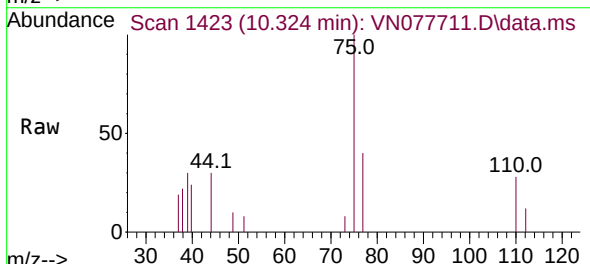
05/18/2023
Supervised By :Mahesh
Dadoda

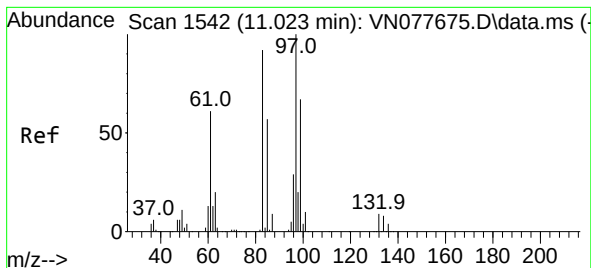
05/18/2023



#54
cis-1,3-Dichloropropene
Concen: 0.509 ug/l
RT: 10.324 min Scan# 1423
Delta R.T. 0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion: 75 Resp: 4019
Ion Ratio Lower Upper
75 100
77 39.6 26.1 39.1#
39 29.6 31.6 47.4#





#55
1,1,2-Trichloroethane
Concen: 0.490 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.005 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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

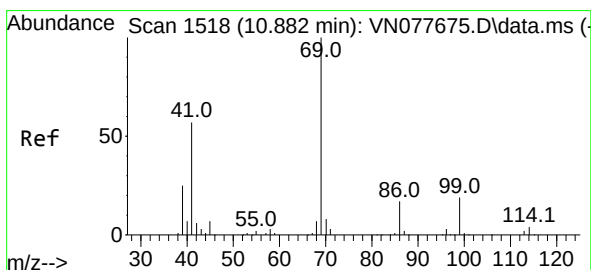
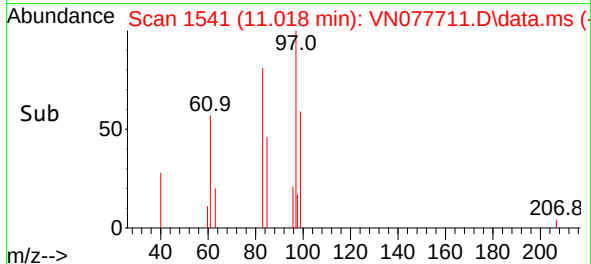
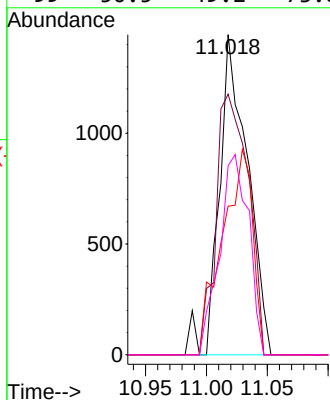
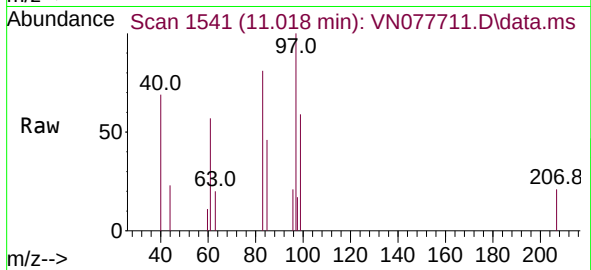
Tgt Ion	Ratio	Lower	Upper
97	100		
83	69.6	65.1	97.7
85	39.7	43.4	65.2
99	50.5	49.2	73.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

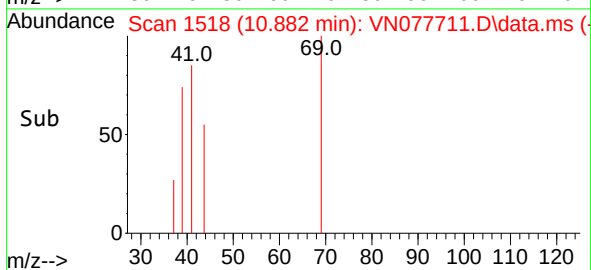
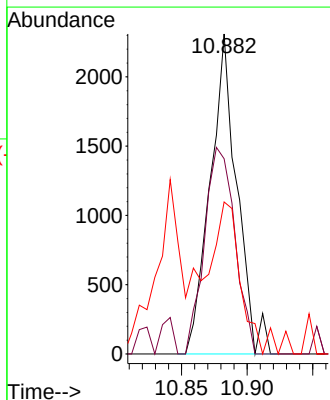
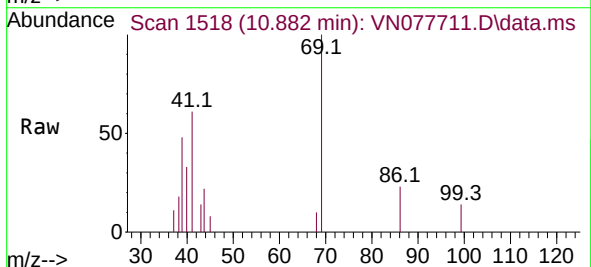
05/18/2023
Supervised By :Mahesh
Dadoda

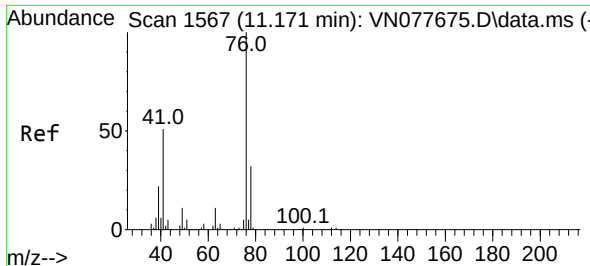
05/18/2023



#56
Ethyl methacrylate
Concen: 0.454 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.4	39.6	59.4#
39	48.3	28.6	43.0#





#57

1,3-Dichloropropane

Concen: 0.581 ug/l

RT: 11.165 min Scan# 1567

Delta R.T. -0.006 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion: 76 Resp: 476

Ion Ratio Lower Upper

76 100

78 31.4 26.1 39.1

Manual Integrations

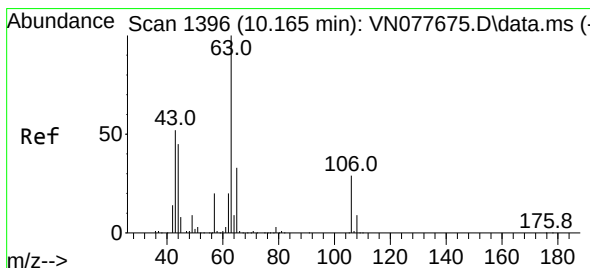
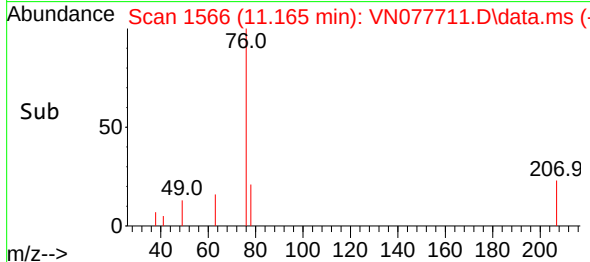
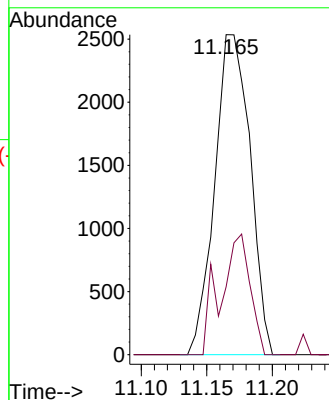
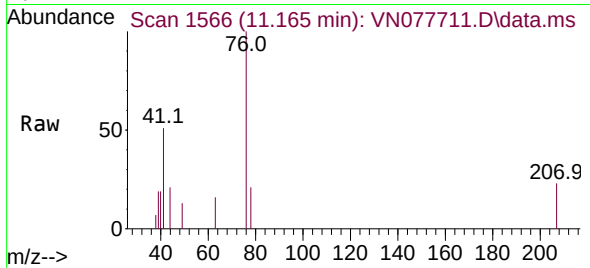
APPROVED

Reviewed By :John
Carlone

05/18/2023

Supervised By :Mahesh
Dadoda

05/18/2023



#58

2-Chloroethyl Vinyl ether

Concen: 2.003 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN077711.D

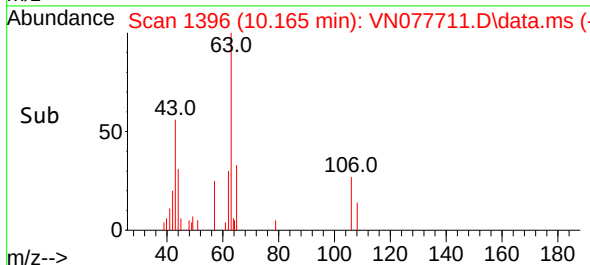
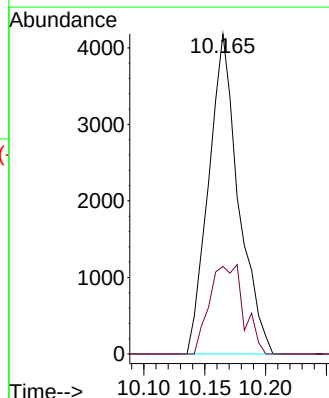
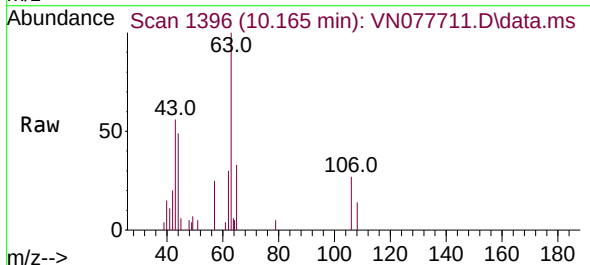
Acq: 17 May 2023 14:09

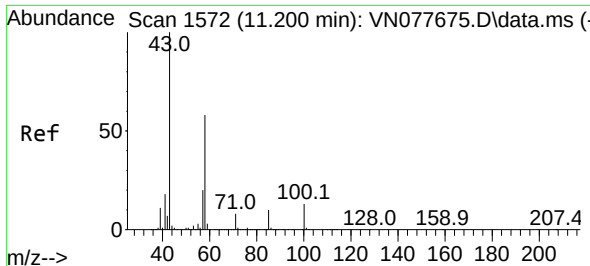
Tgt Ion: 63 Resp: 7136

Ion Ratio Lower Upper

63 100

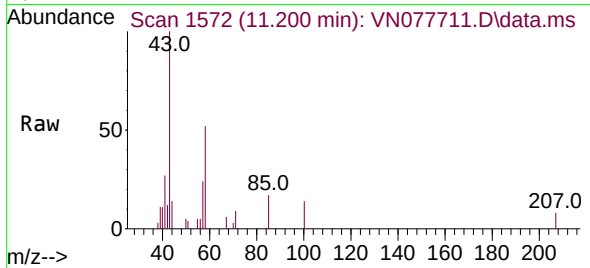
106 31.7 26.2 39.4





#59
2-Hexanone
Concen: 2.308 ug/l
RT: 11.200 min Scan# 1111
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



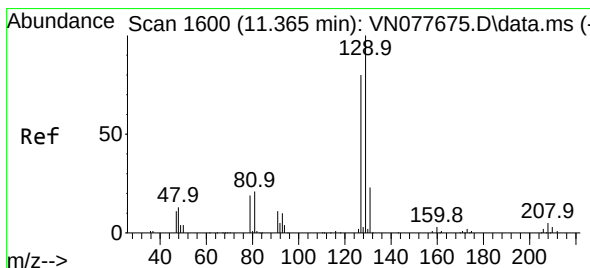
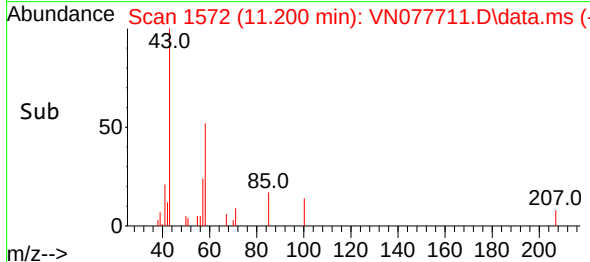
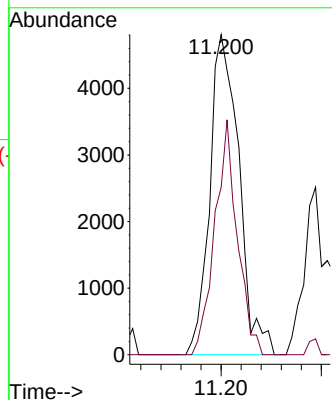
Tgt Ion: 43 Resp: 970
Ion Ratio Lower Upper
43 100
58 56.5 31.7 95.1

Manual Integrations
APPROVED

Reviewed By :John
Carlone

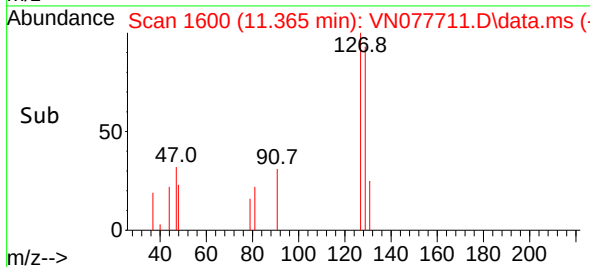
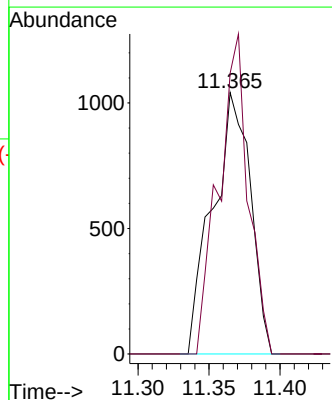
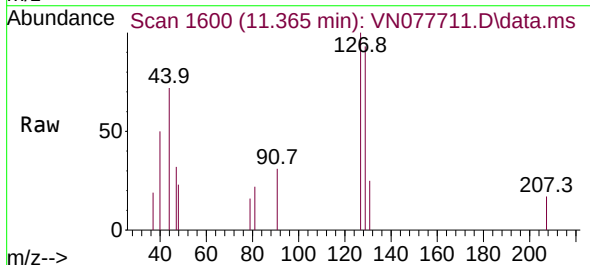
05/18/2023
Supervised By :Mahesh
Dadoda

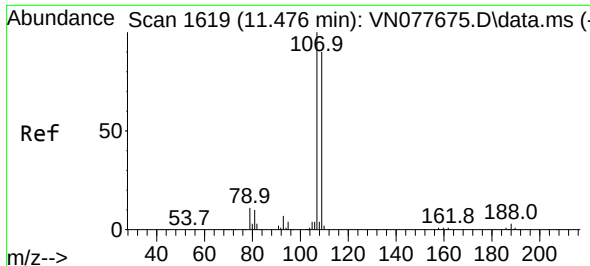
05/18/2023



#60
Dibromochloromethane
Concen: 0.390 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

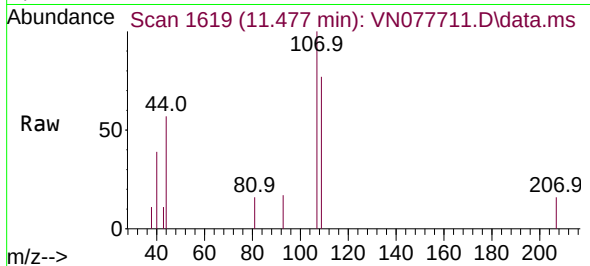
Tgt Ion:129 Resp: 1931
Ion Ratio Lower Upper
129 100
127 96.2 38.6 116.0





#61
1,2-Dibromoethane
Concen: 0.557 ug/l
RT: 11.477 min Scan# 1619
Delta R.T. 0.001 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



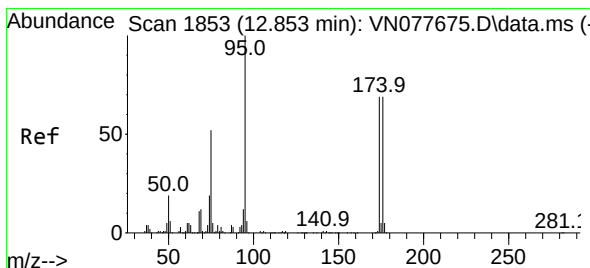
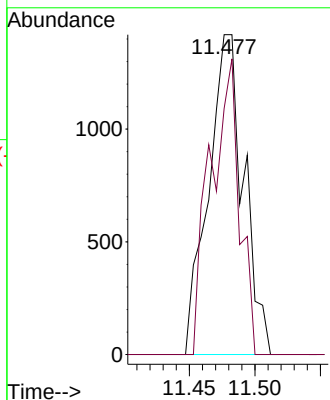
Tgt Ion:107 Resp: 2660
Ion Ratio Lower Upper
107 100
109 76.1 76.6 114.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

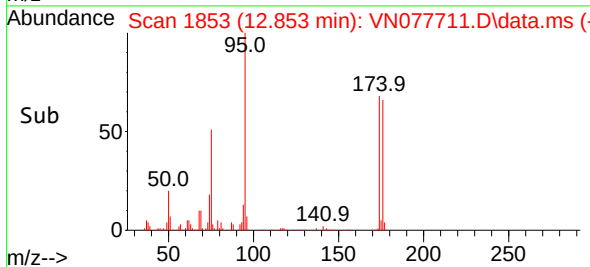
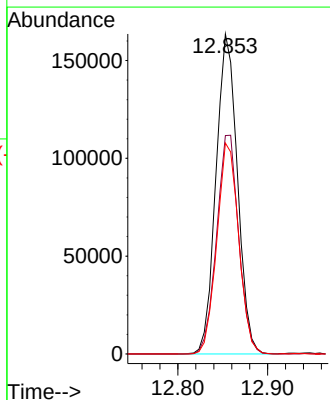
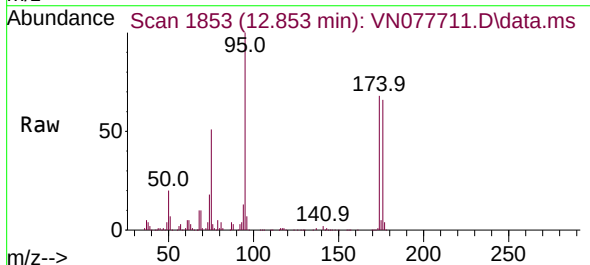
05/18/2023
Supervised By :Mahesh
Dadoda

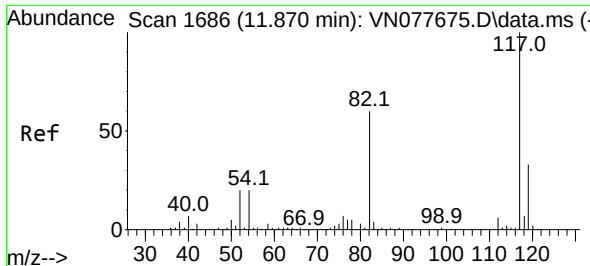
05/18/2023



#62
4-Bromofluorobenzene
Concen: 44.468 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

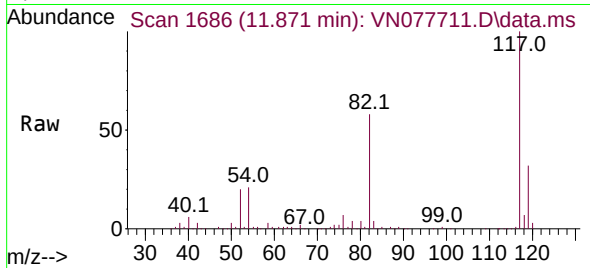
Tgt Ion: 95 Resp: 271412
Ion Ratio Lower Upper
95 100
174 70.3 0.0 143.8
176 67.0 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



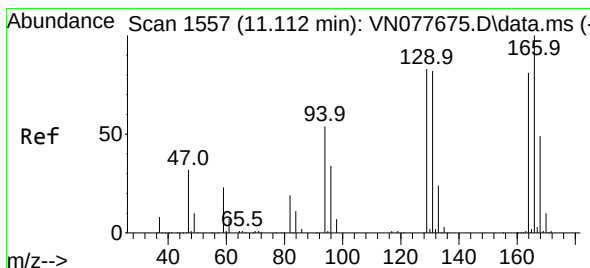
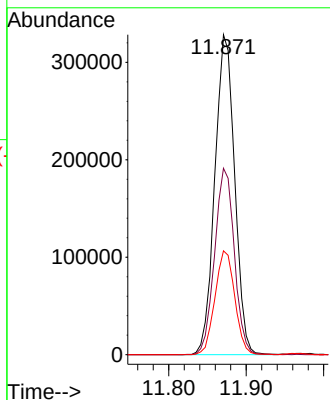
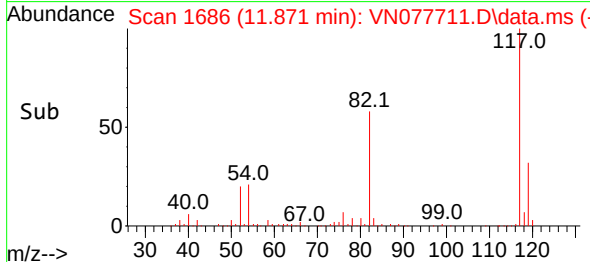
Tgt Ion:117 Resp: 585050
Ion Ratio Lower Upper
117 100
82 58.3 44.0 66.0
119 32.4 25.6 38.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

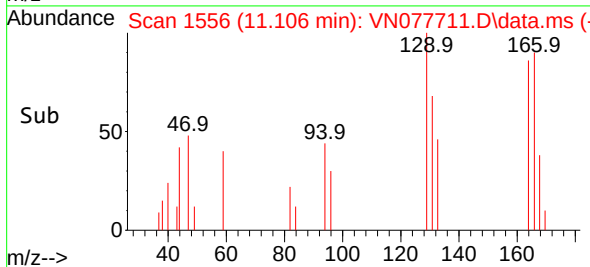
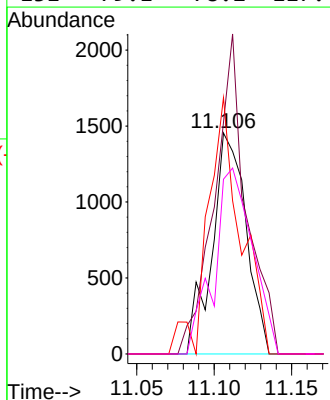
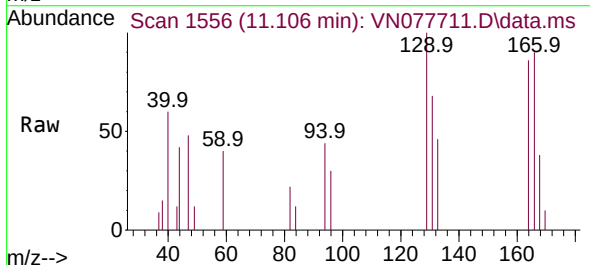
05/18/2023
Supervised By :Mahesh
Dadoda

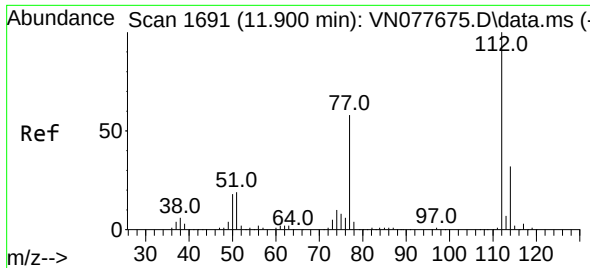
05/18/2023



#64
Tetrachloroethene
Concen: 0.543 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

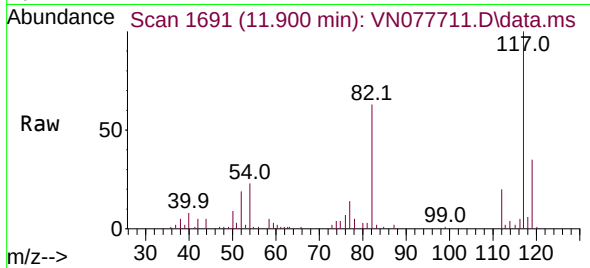
Tgt Ion:164 Resp: 2221
Ion Ratio Lower Upper
164 100
166 104.7 101.4 152.0
129 116.0 82.4 123.6
131 79.1 78.2 117.4





#65
Chlorobenzene
Concen: 0.552 ug/l
RT: 11.900 min Scan# 1691
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



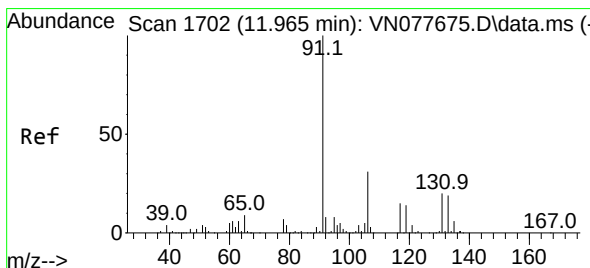
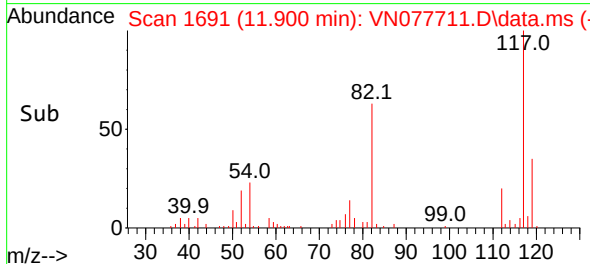
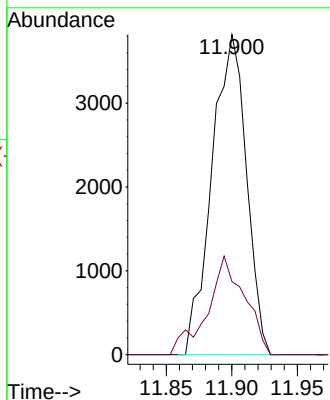
Tgt Ion:112 Resp: 698
Ion Ratio Lower Upper
112 100
114 22.8 25.0 37.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

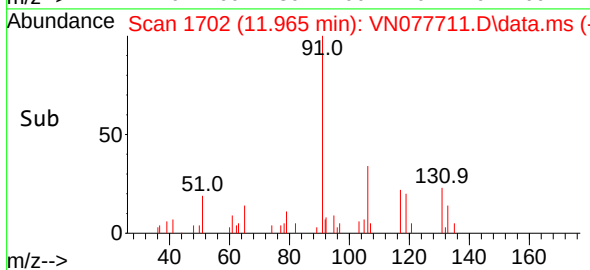
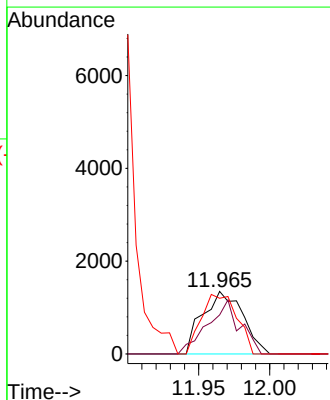
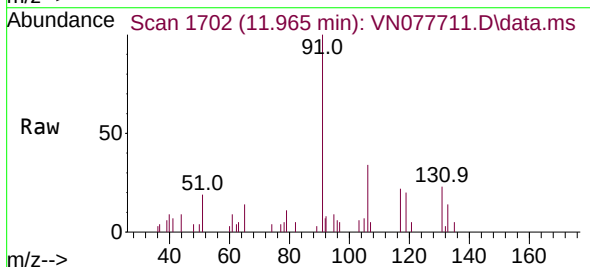
05/18/2023
Supervised By :Mahesh
Dadoda

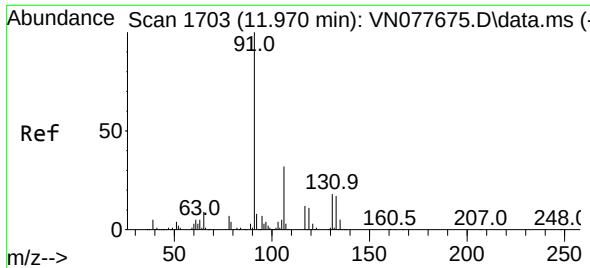
05/18/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 0.605 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

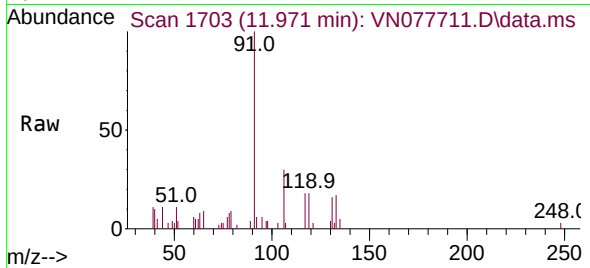
Tgt Ion:131 Resp: 2653
Ion Ratio Lower Upper
131 100
133 69.4 46.4 139.1
119 0.0 34.1 102.2





#67
Ethyl Benzene
Concen: 0.488 ug/l
RT: 11.971 min Scan# 11098
Delta R.T. 0.001 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



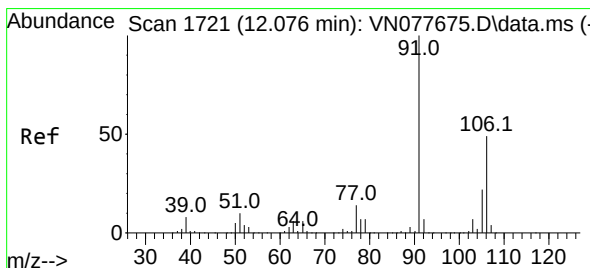
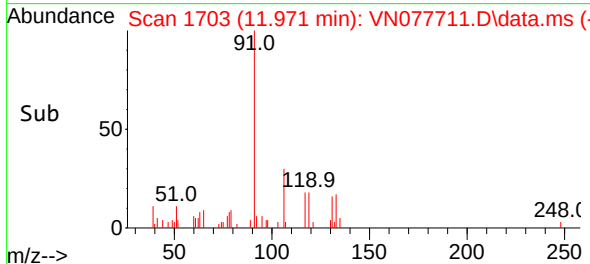
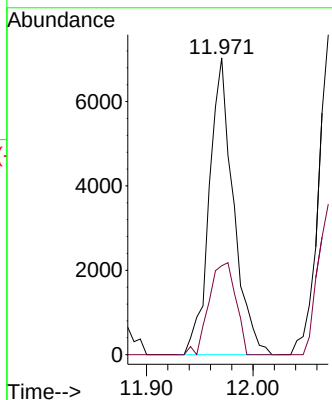
Tgt Ion: 91 Resp: 11098
Ion Ratio Lower Upper
91 100
106 30.0 25.6 38.4

Manual Integrations
APPROVED

Reviewed By :John
Carlone

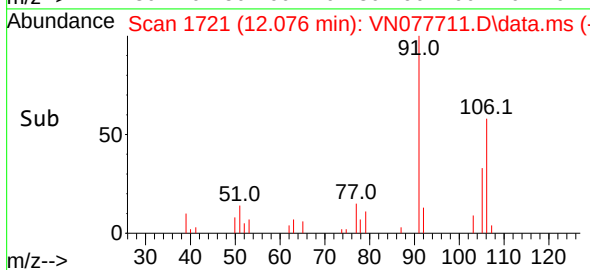
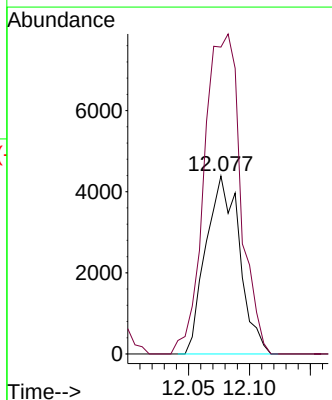
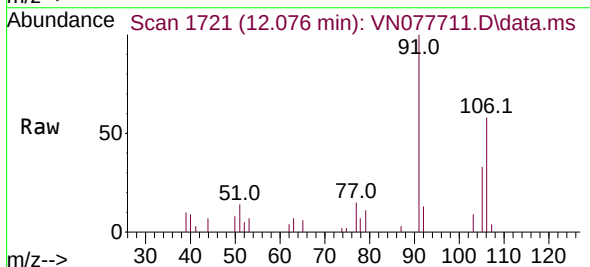
05/18/2023
Supervised By :Mahesh
Dadoda

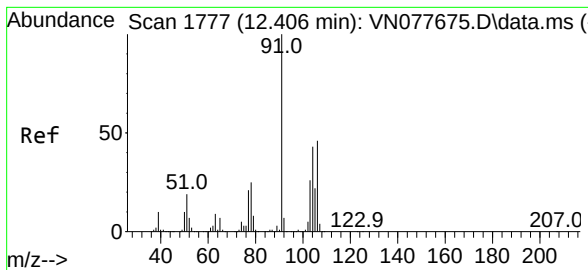
05/18/2023



#68
m/p-Xylenes
Concen: 0.982 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion:106 Resp: 8453
Ion Ratio Lower Upper
106 100
91 194.1 159.6 239.4





#69
o-Xylene
Concen: 0.469 ug/l
RT: 12.406 min Scan# 1777
Delta R.T. -0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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

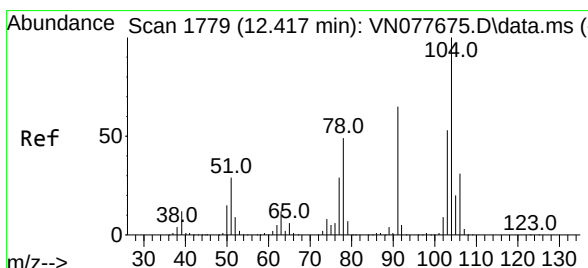
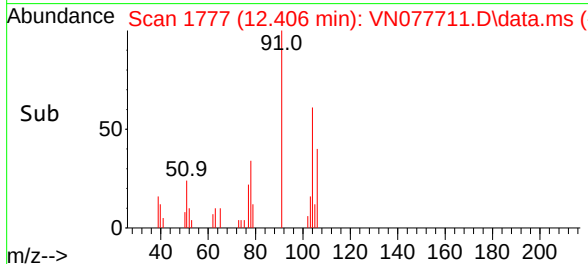
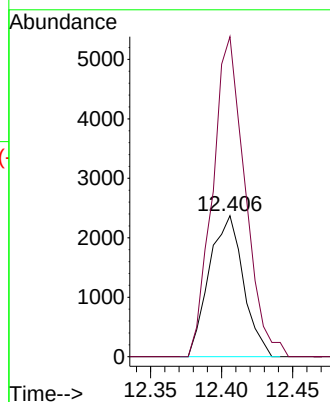
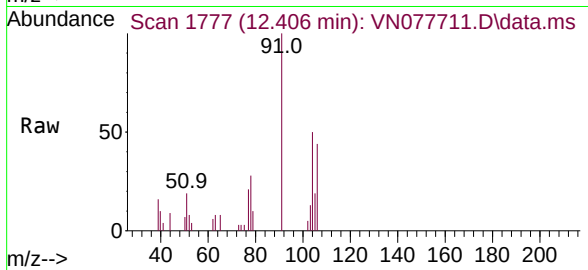
Tgt Ion:106 Resp: 3975
Ion Ratio Lower Upper
106 100
91 215.2 105.2 315.5

Manual Integrations
APPROVED

Reviewed By :John
Carlone

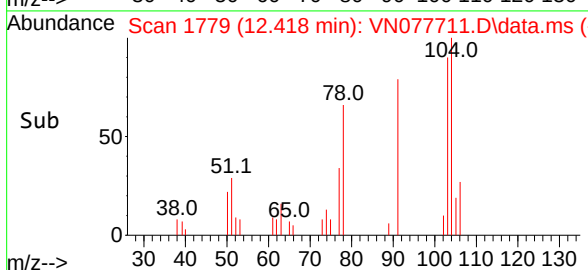
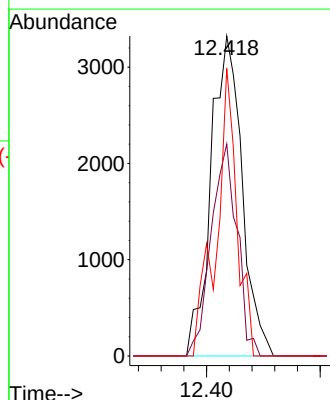
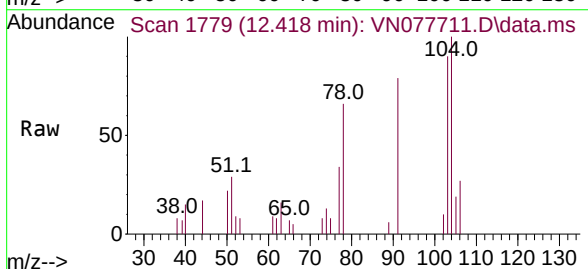
05/18/2023
Supervised By :Mahesh
Dadoda

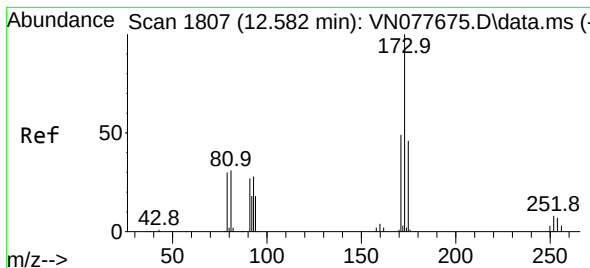
05/18/2023



#70
Styrene
Concen: 0.467 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.001 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion:104 Resp: 6282
Ion Ratio Lower Upper
104 100
78 55.6 39.5 59.3
103 60.5 43.2 64.8





#71

Bromoform

Concen: 0.557 ug/l

RT: 12.588 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2023

Tgt Ion:	173	Resp:	162
Ion Ratio	Lower	Upper	
173	100		
175	46.5	24.3	73.0
254	0.0	0.0	0.0

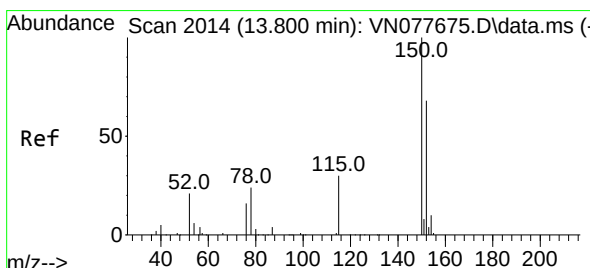
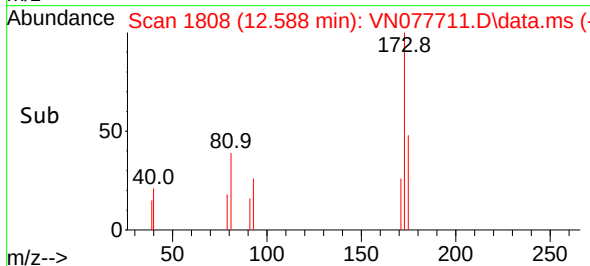
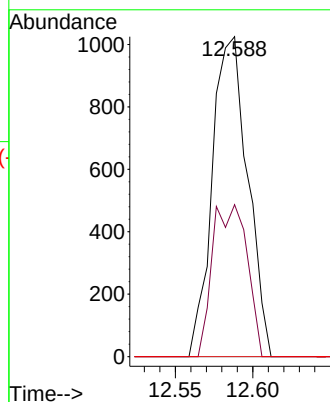
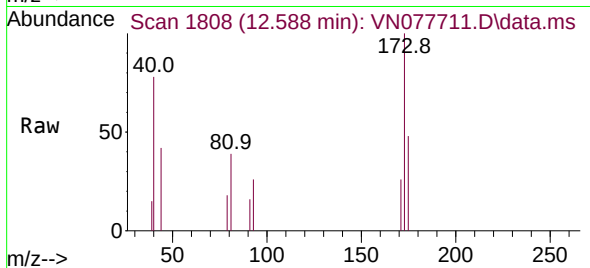
Manual Integrations
APPROVED

Reviewed By :John
Carlone

05/18/2023

Supervised By :Mahesh
Dadoda

05/18/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

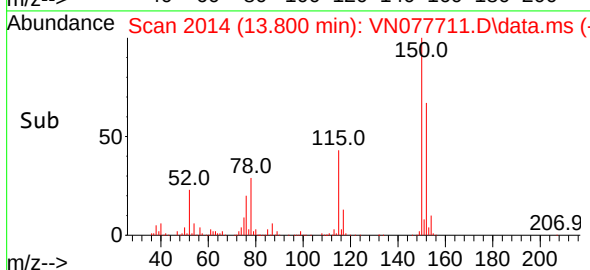
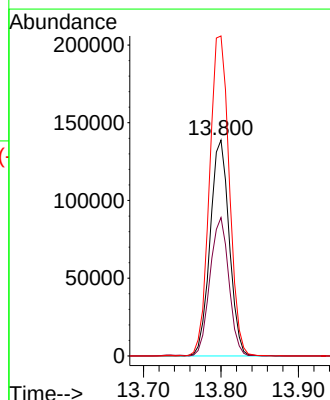
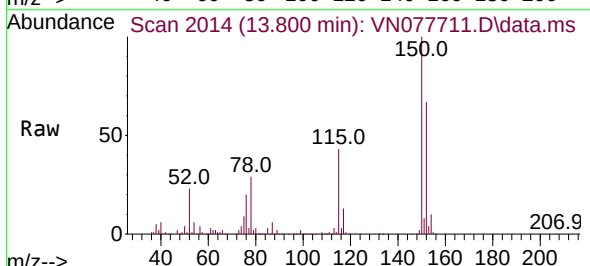
RT: 13.800 min Scan# 2014

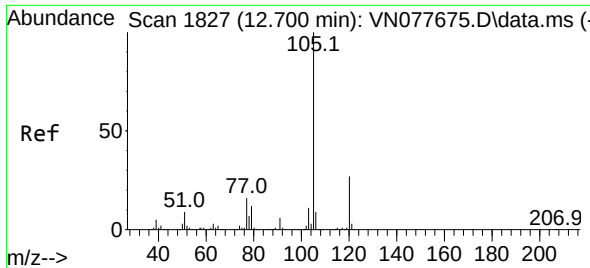
Delta R.T. -0.000 min

Lab File: VN077711.D

Acq: 17 May 2023 14:09

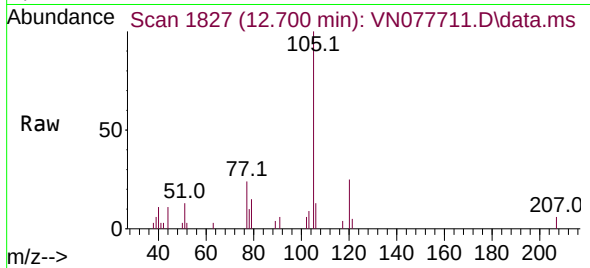
Tgt Ion:	152	Resp:	237236
Ion Ratio	Lower	Upper	
152	100		
115	63.2	32.3	96.8
150	153.2	0.0	355.8





#73
Isopropylbenzene
Concen: 0.480 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



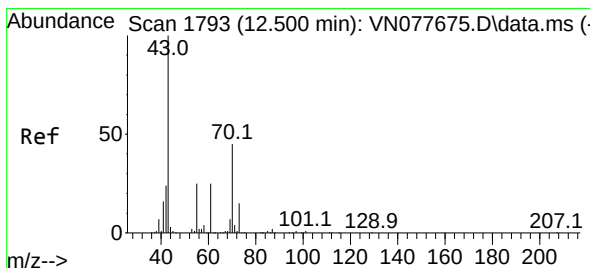
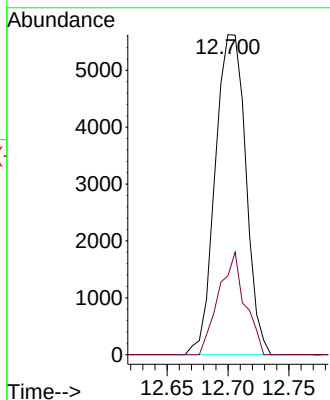
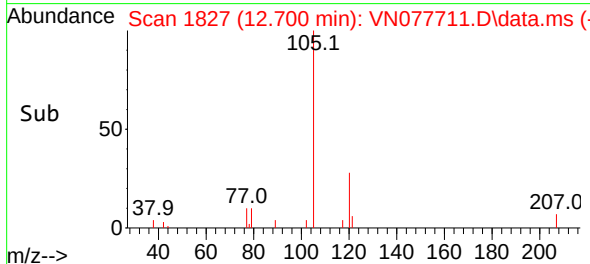
Tgt Ion:105 Resp: 9820
Ion Ratio Lower Upper
105 100
120 27.5 13.1 39.1

Manual Integrations
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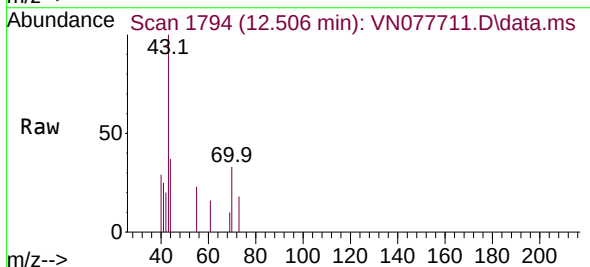
Reviewed By :John
Carlone

05/18/2023
Supervised By :Mahesh
Dadoda

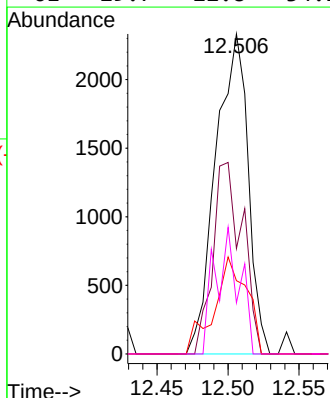
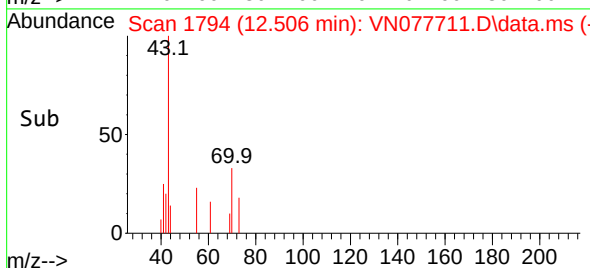
05/18/2023

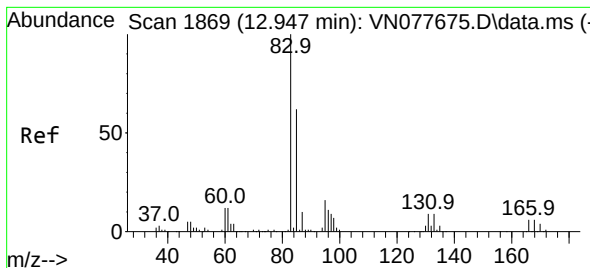


#74
N-ethyl acetate
Concen: 0.488 ug/l
RT: 12.506 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09



Tgt Ion: 43 Resp: 3692
Ion Ratio Lower Upper
43 100
70 54.7 43.4 65.2
55 30.7 21.4 32.0
61 29.7 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 0.462 ug/l
RT: 12.947 min Scan# 1869
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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

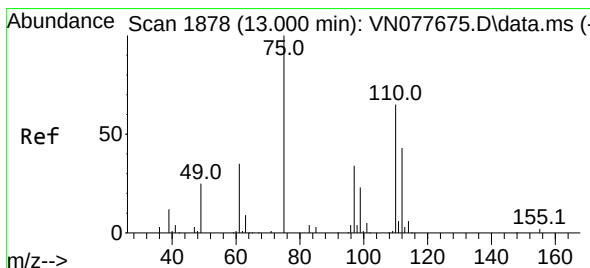
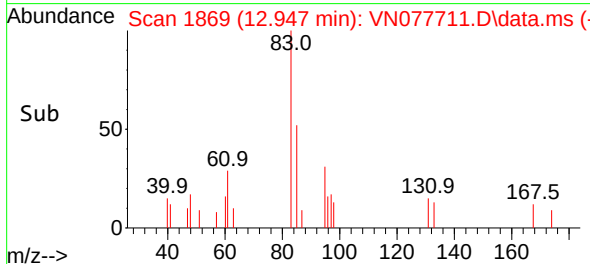
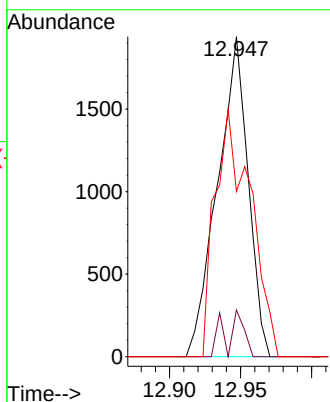
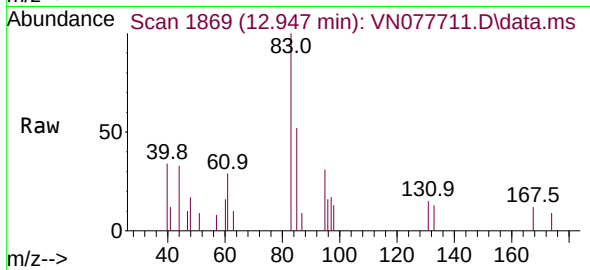
Tgt Ion: 83 Resp: 290
Ion Ratio Lower Upper
83 100
131 5.4 5.0 15.0
85 89.5 31.9 95.7

Manual Integrations
APPROVED

Reviewed By :John
Carlone

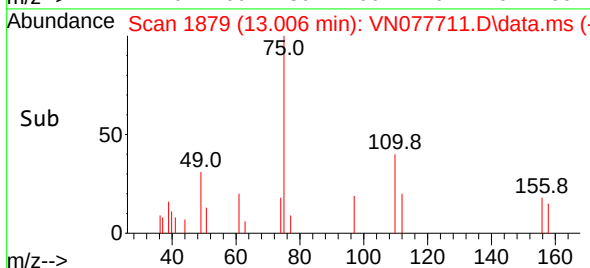
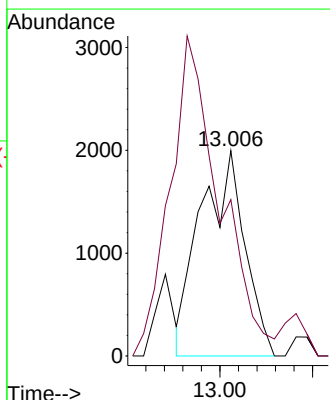
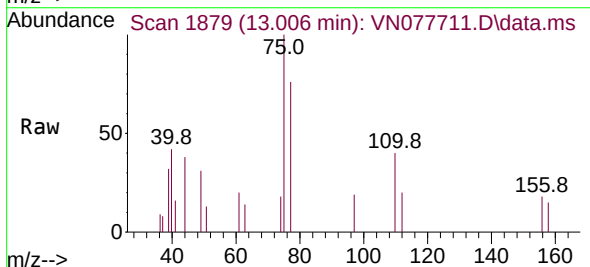
05/18/2023
Supervised By :Mahesh
Dadoda

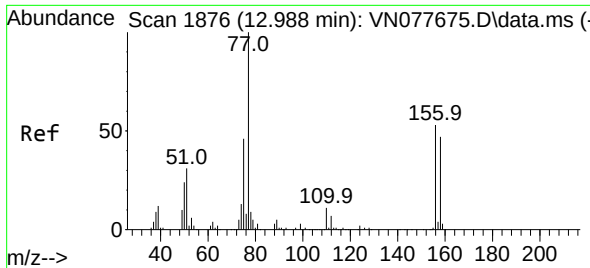
05/18/2023



#76
1,2,3-Trichloropropane
Concen: 0.556 ug/l m
RT: 13.006 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion: 75 Resp: 3304
Ion Ratio Lower Upper
75 100
77 53.3 84.5 253.5#





#77
Bromobenzene
Concen: 0.597 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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

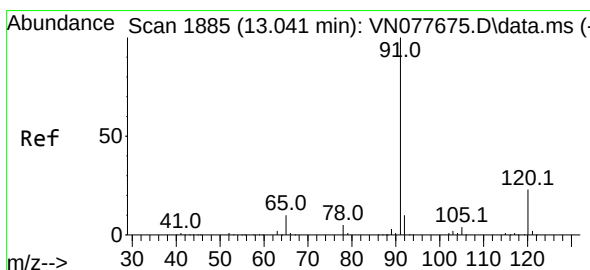
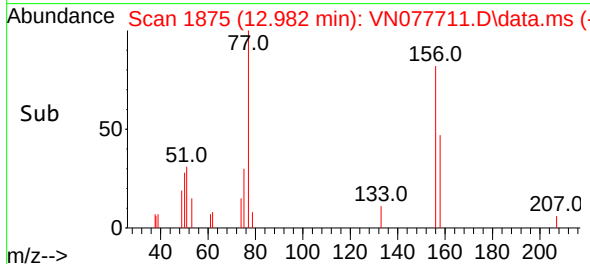
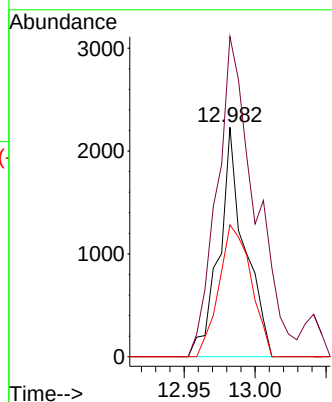
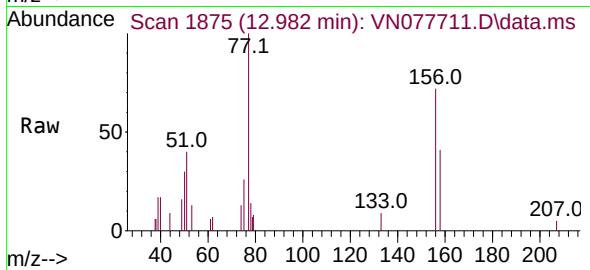
Tgt Ion:156 Resp: 2784
Ion Ratio Lower Upper
156 100
77 208.0 107.7 323.3
158 72.4 48.4 145.3

Manual Integrations
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Reviewed By :John
Carlone

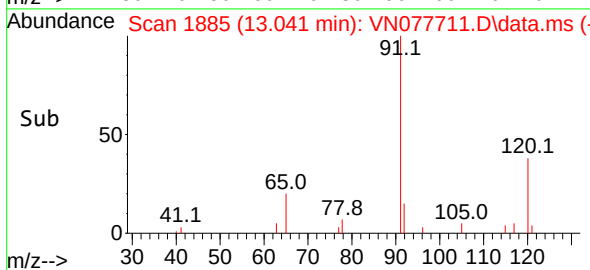
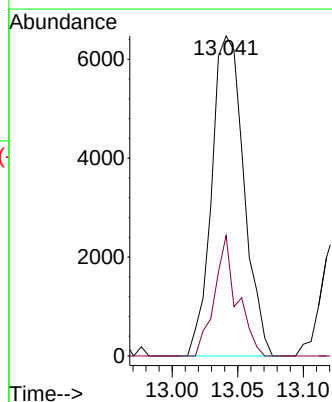
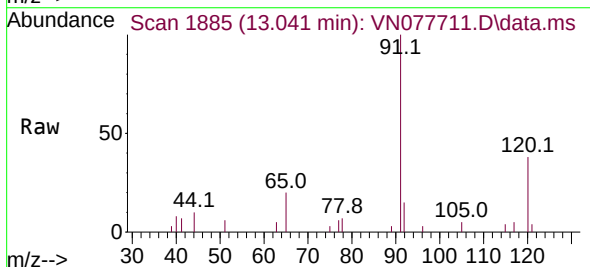
05/18/2023
Supervised By :Mahesh
Dadoda

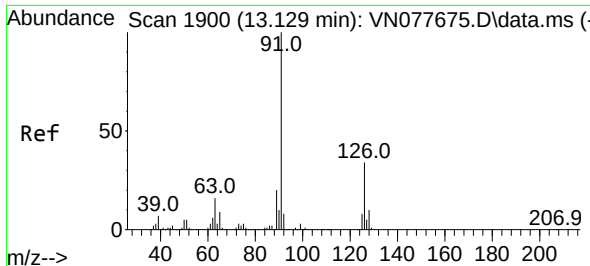
05/18/2023



#78
n-propylbenzene
Concen: 0.458 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion: 91 Resp: 11050
Ion Ratio Lower Upper
91 100
120 26.5 11.5 34.4





#79
2-Chlorotoluene
Concen: 0.532 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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

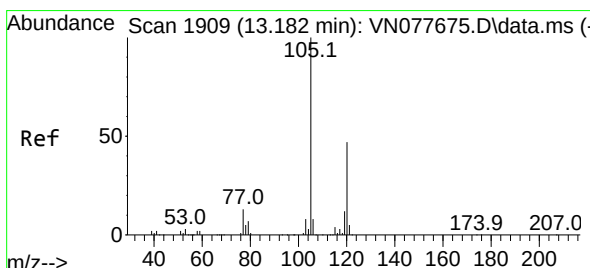
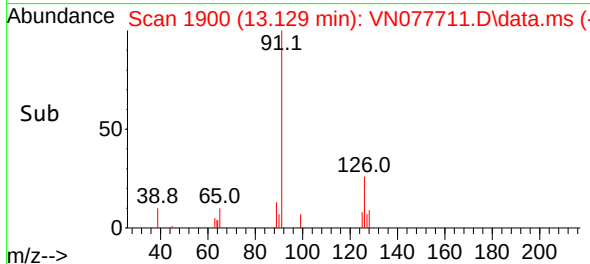
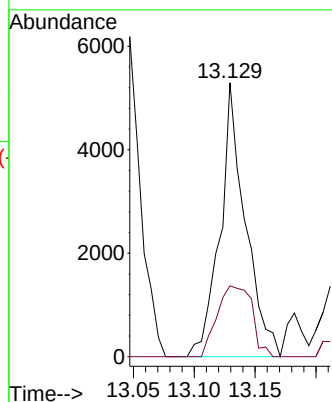
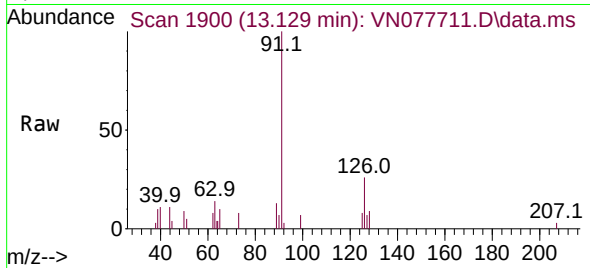
Tgt Ion: 91 Resp: 765
Ion Ratio Lower Upper
91 100
126 35.5 16.3 48.8

Manual Integrations
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Reviewed By :John
Carlone

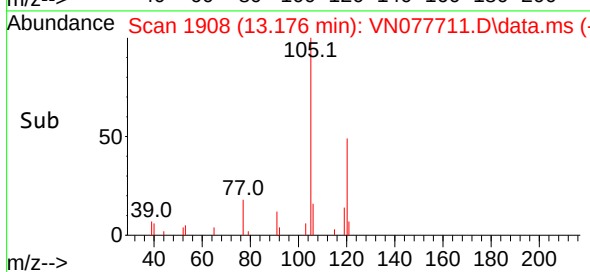
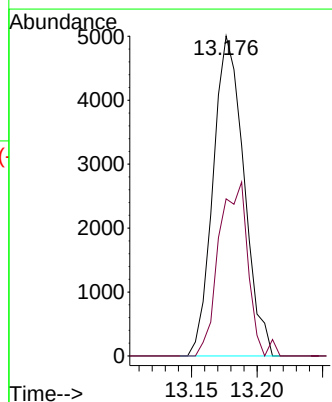
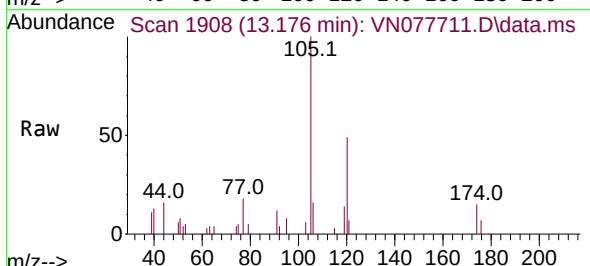
05/18/2023
Supervised By :Mahesh
Dadoda

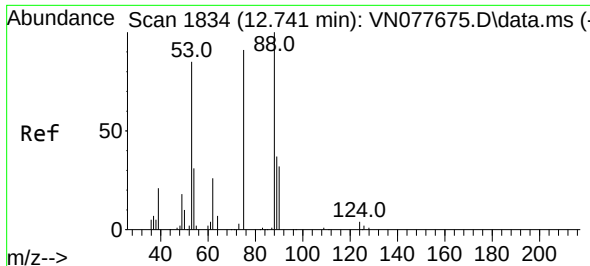
05/18/2023



#80
1,3,5-Trimethylbenzene
Concen: 0.475 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

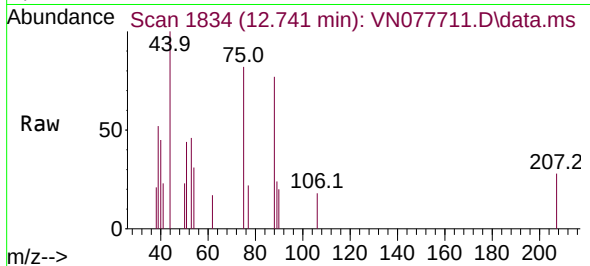
Tgt Ion:105 Resp: 8160
Ion Ratio Lower Upper
105 100
120 51.7 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 0.549 ug/l m
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



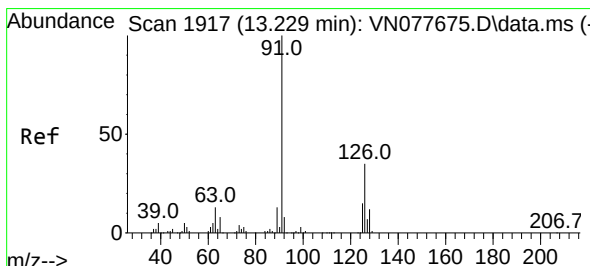
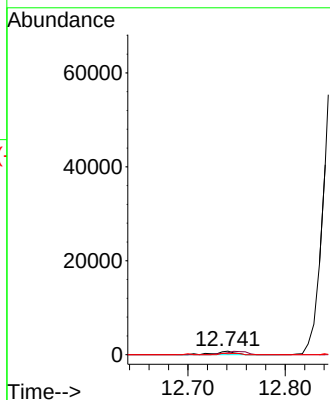
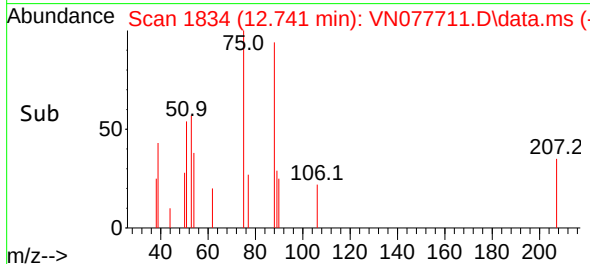
Tgt Ion: 75 Resp: 1020
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2
89 5.9 38.8 58.2

Manual Integrations
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Reviewed By :John
Carlone

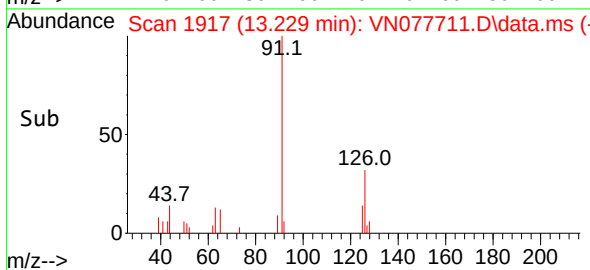
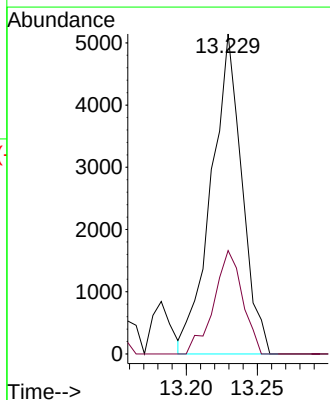
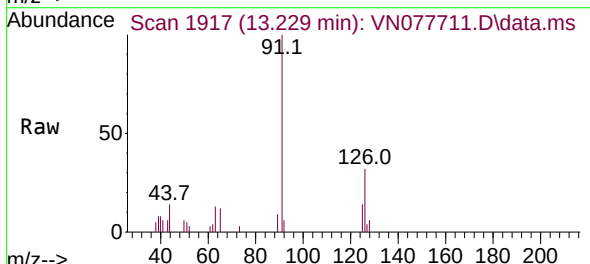
05/18/2023
Supervised By :Mahesh
Dadoda

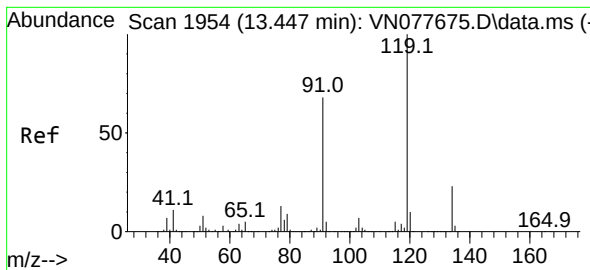
05/18/2023



#82
4-Chlorotoluene
Concen: 0.540 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion: 91 Resp: 7732
Ion Ratio Lower Upper
91 100
126 30.1 16.7 50.0





#83
tert-Butylbenzene
Concen: 0.463 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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

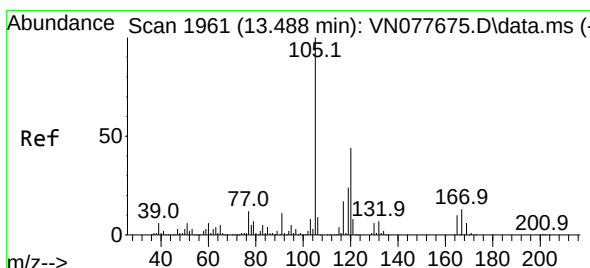
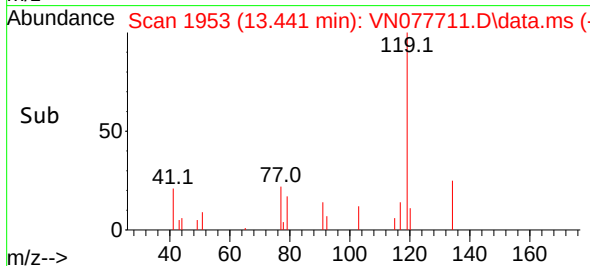
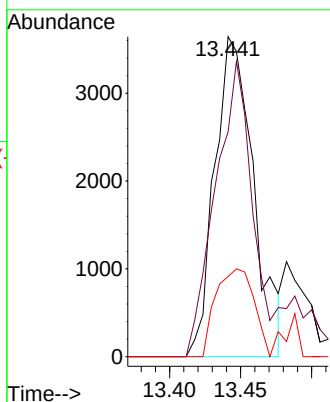
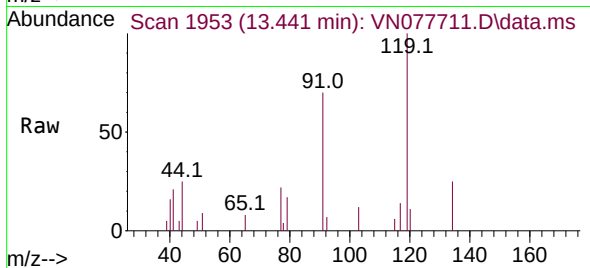
Tgt Ion:119 Resp: 694
Ion Ratio Lower Upper
119 100
91 91.5 33.9 101.7
134 26.9 13.2 39.6

Manual Integrations
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Reviewed By :John
Carlone

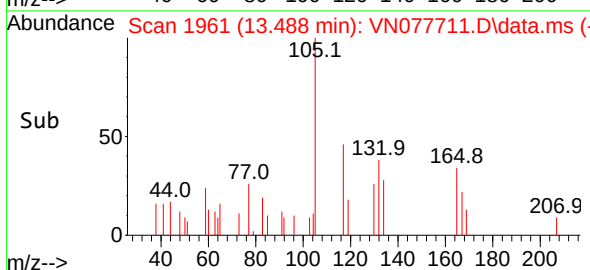
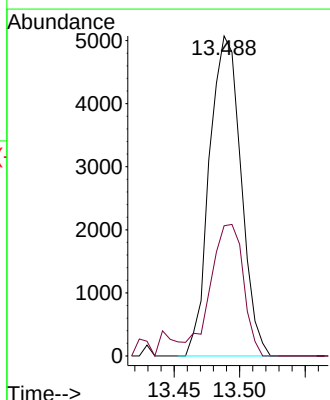
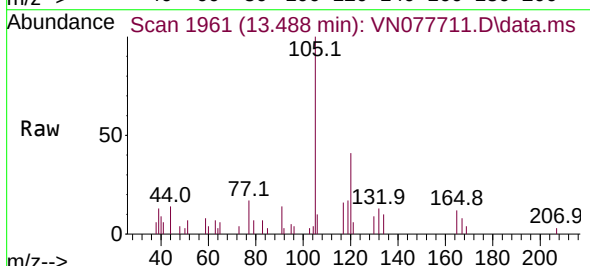
05/18/2023
Supervised By :Mahesh
Dadoda

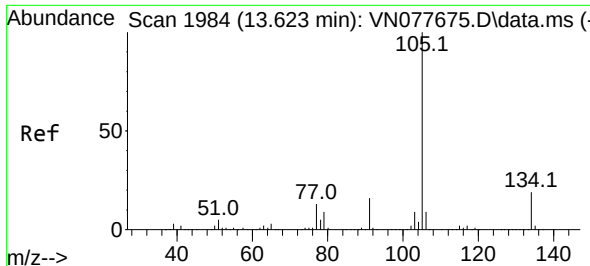
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#84
1,2,4-Trimethylbenzene
Concen: 0.502 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

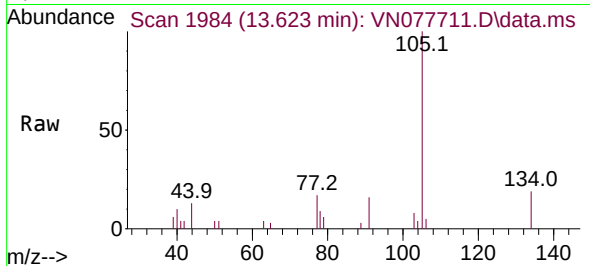
Tgt Ion:105 Resp: 8483
Ion Ratio Lower Upper
105 100
120 42.5 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 0.465 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN077711.D
 Acq: 17 May 2023 14:09

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



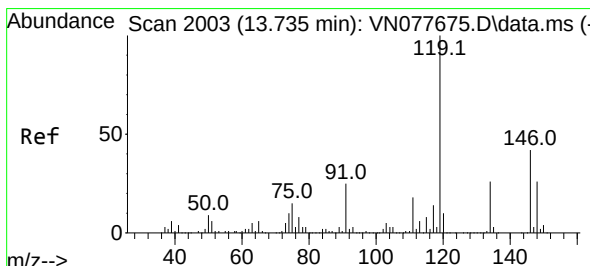
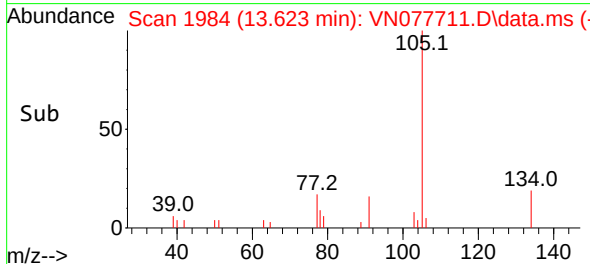
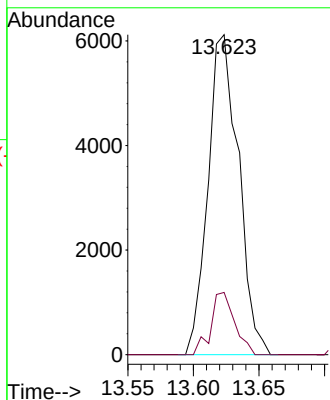
Tgt Ion:105 Resp: 991
 Ion Ratio Lower Upper
 105 100
 134 15.1 9.8 29.3

Manual Integrations
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Reviewed By :John
 Carlone

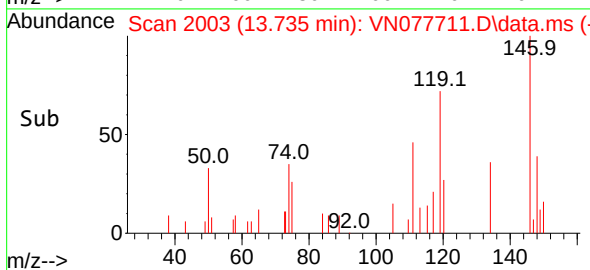
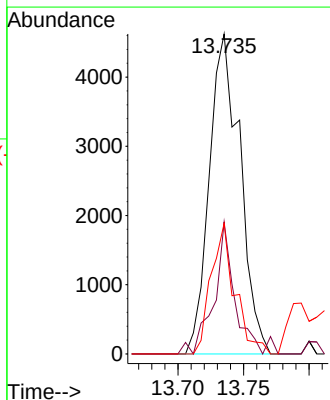
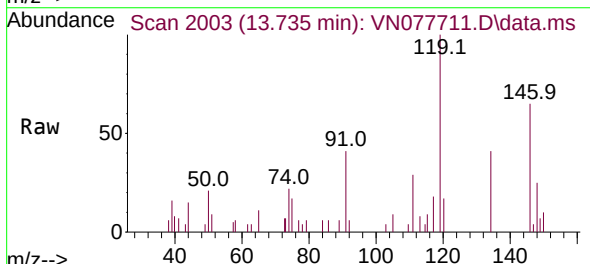
05/18/2023
 Supervised By :Mahesh
 Dadoda

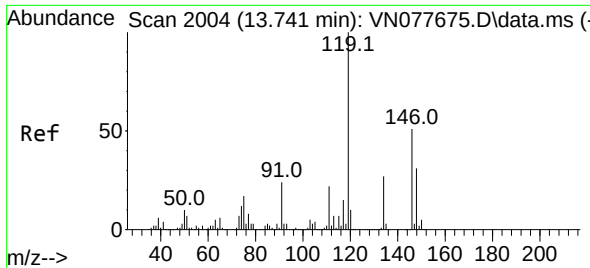
05/18/2023



#86
 p-Isopropyltoluene
 Concen: 0.443 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN077711.D
 Acq: 17 May 2023 14:09

Tgt Ion:119 Resp: 7525
 Ion Ratio Lower Upper
 119 100
 134 27.3 12.6 37.8
 91 31.7 12.4 37.2





#87
1,3-Dichlorobenzene
Concen: 0.612 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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

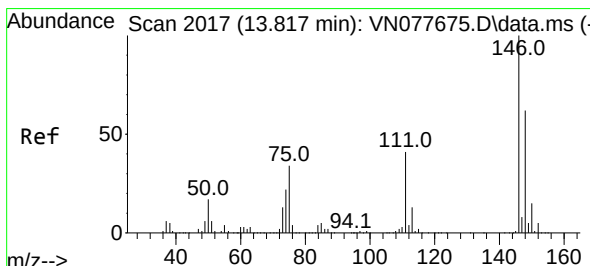
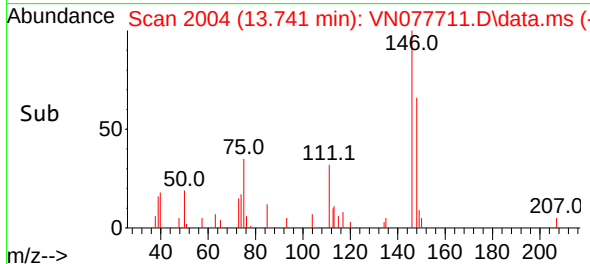
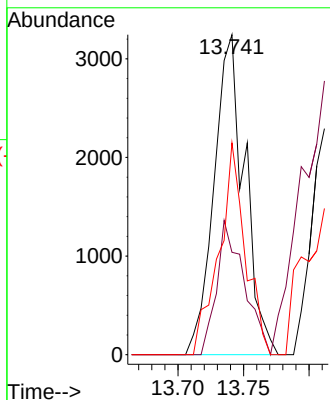
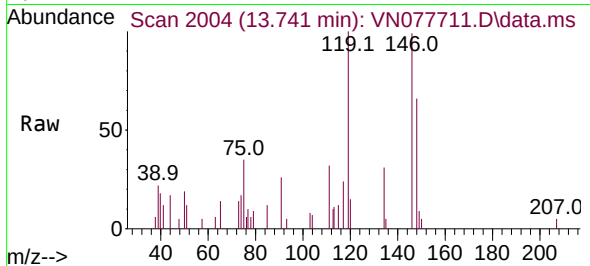
Tgt Ion:146 Resp: 5279
Ion Ratio Lower Upper
146 100
111 37.5 22.1 66.3
148 56.9 32.0 96.0

Manual Integrations
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Reviewed By :John
Carlone

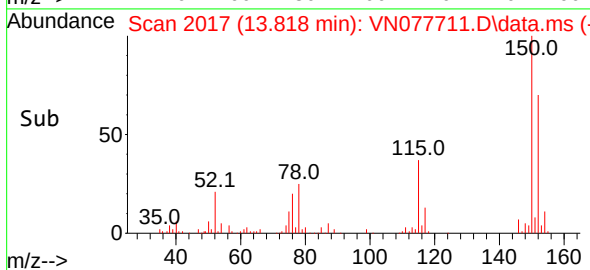
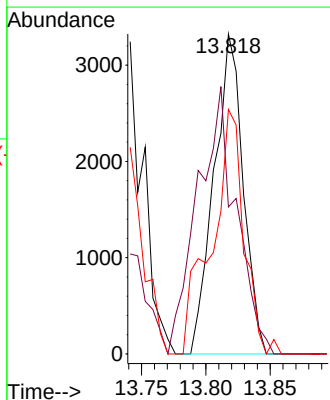
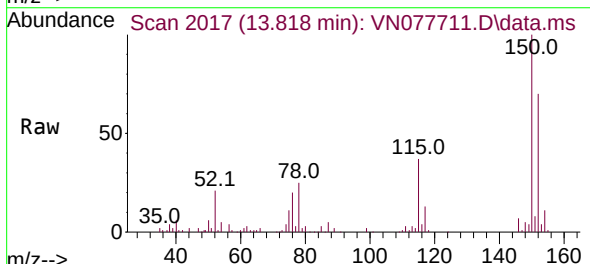
05/18/2023
Supervised By :Mahesh
Dadoda

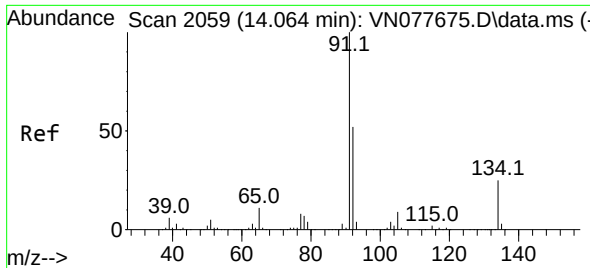
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#88
1,4-Dichlorobenzene
Concen: 0.610 ug/l m
RT: 13.818 min Scan# 2017
Delta R.T. 0.001 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion:146 Resp: 5223
Ion Ratio Lower Upper
146 100
111 37.9 20.6 61.8
148 57.5 31.6 94.8





#89
n-Butylbenzene
Concen: 0.436 ug/l
RT: 14.065 min Scan# 2105
Delta R.T. 0.001 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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

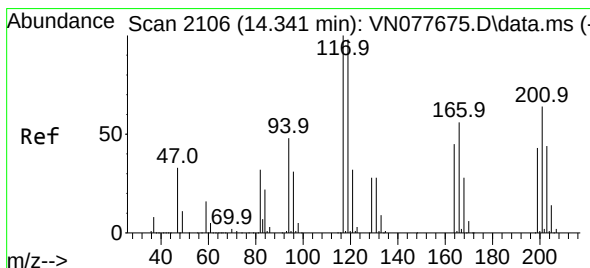
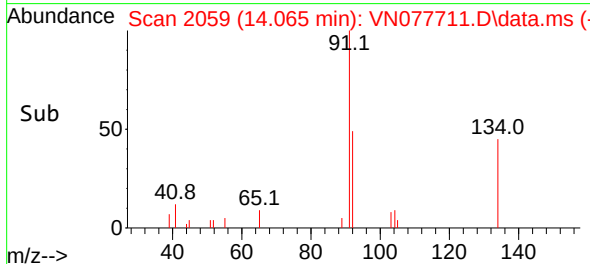
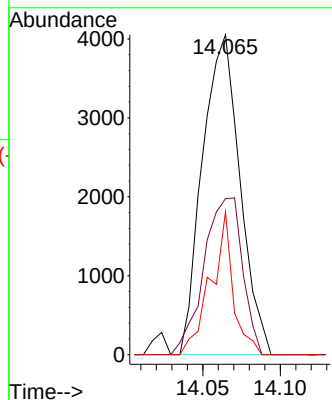
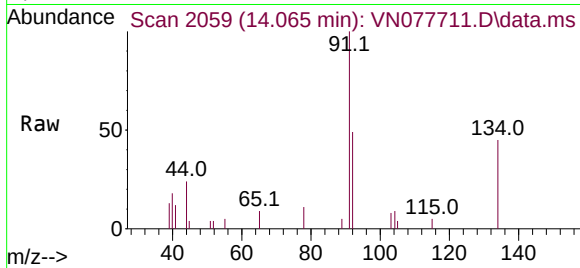
Tgt Ion: 91 Resp: 681
Ion Ratio Lower Upper
91 100
92 50.5 26.4 79.0
134 26.6 12.6 37.6

Manual Integrations
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Reviewed By :John
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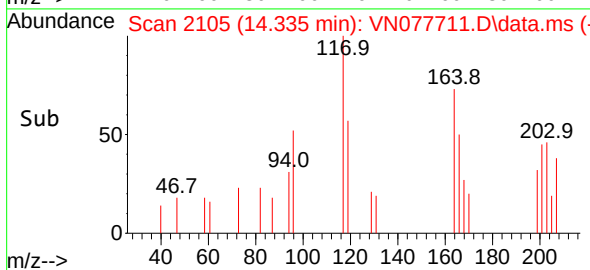
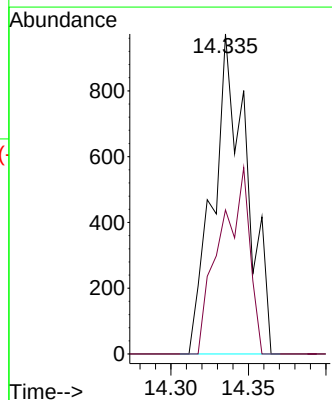
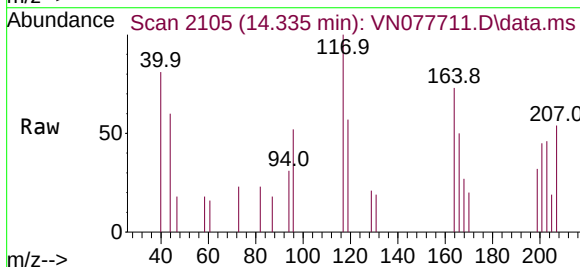
05/18/2023
Supervised By :Mahesh
Dadoda

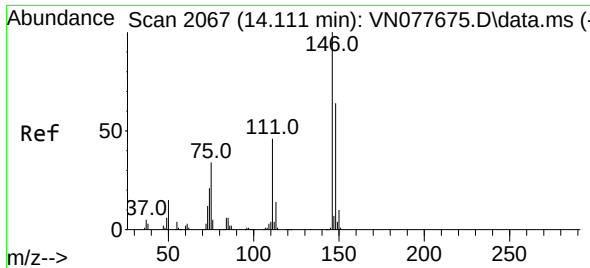
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#90
Hexachloroethane
Concen: 0.524 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion:117 Resp: 1463
Ion Ratio Lower Upper
117 100
201 51.1 29.3 88.0





#91
1,2-Dichlorobenzene
Concen: 0.540 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.001 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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

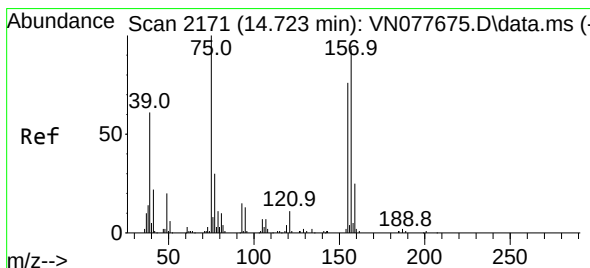
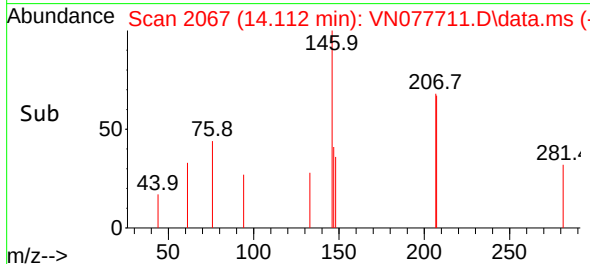
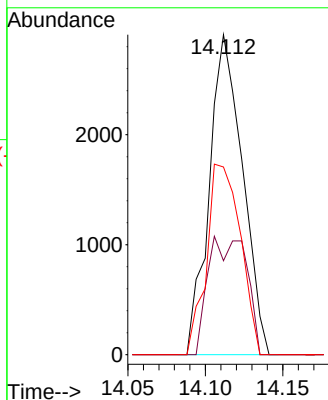
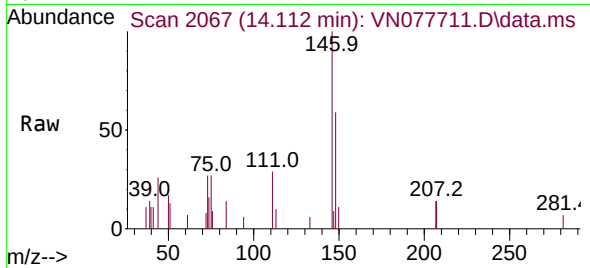
Tgt Ion:146 Resp: 435
Ion Ratio Lower Upper
146 100
111 42.4 22.0 66.0
148 60.3 31.8 95.3

Manual Integrations
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Reviewed By :John
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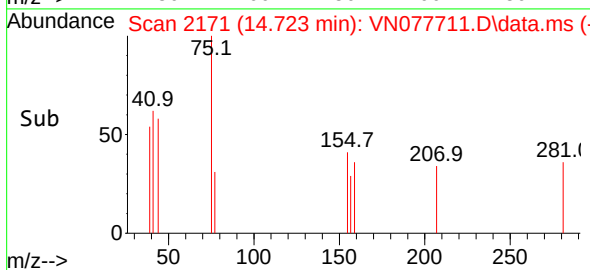
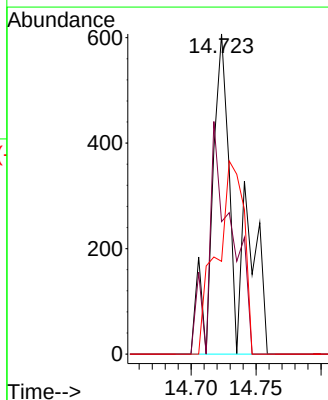
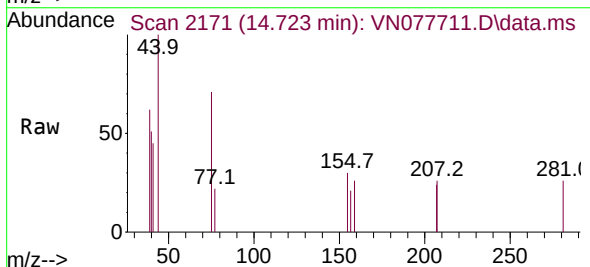
05/18/2023
Supervised By :Mahesh
Dadoda

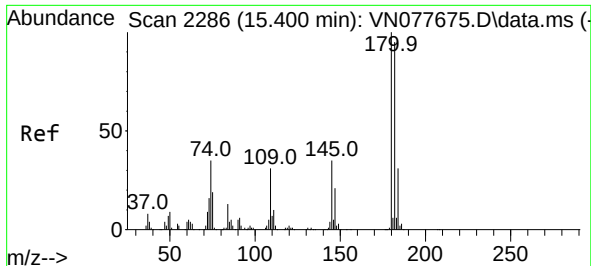
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#92
1,2-Dibromo-3-Chloropropane
Concen: 0.654 ug/l m
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

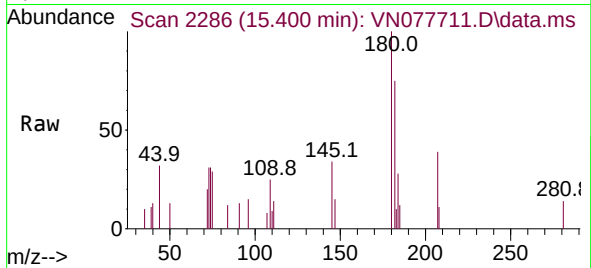
Tgt Ion: 75 Resp: 797
Ion Ratio Lower Upper
75 100
155 67.0 39.1 117.2
157 66.8 50.3 150.9





#93
1,2,4-Trichlorobenzene
Concen: 0.667 ug/l
RT: 15.400 min Scan# 211
Delta R.T. -0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



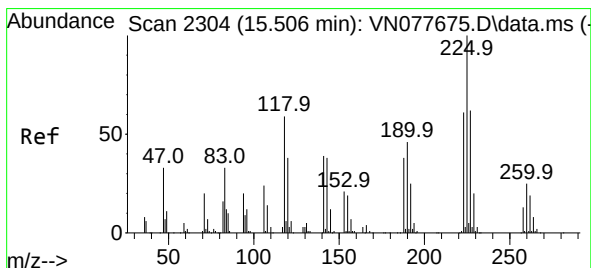
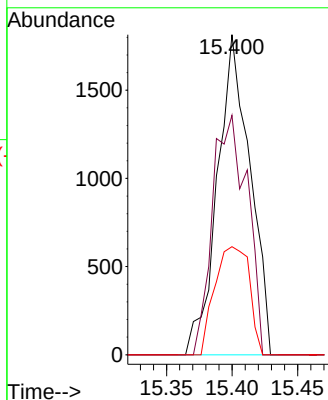
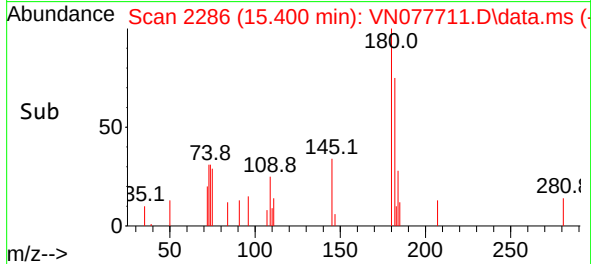
Tgt Ion:180 Resp: 3144
Ion Ratio Lower Upper
180 100
182 79.5 46.1 138.2
145 35.7 16.6 49.8

Manual Integrations
APPROVED

Reviewed By :John
Carlone

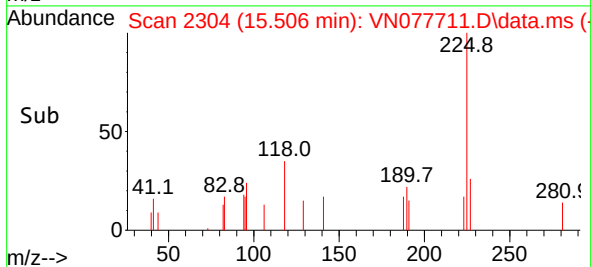
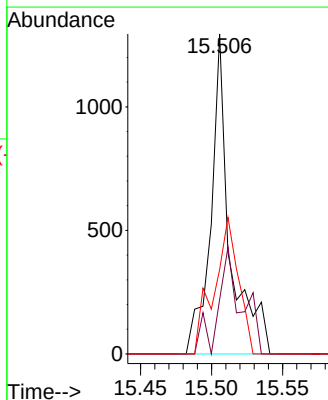
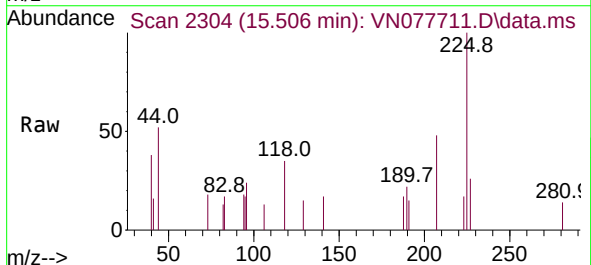
05/18/2023
Supervised By :Mahesh
Dadoda

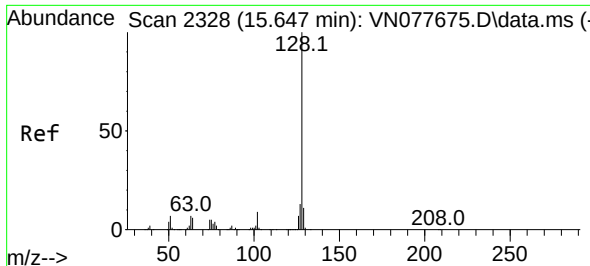
05/18/2023



#94
Hexachlorobutadiene
Concen: 0.622 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

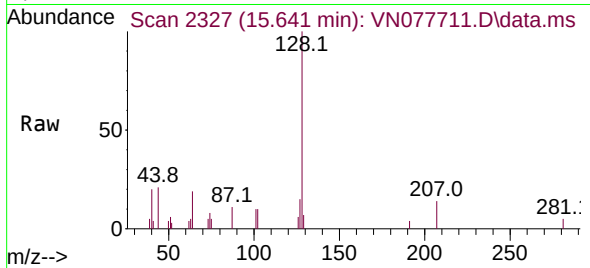
Tgt Ion:225 Resp: 1216
Ion Ratio Lower Upper
225 100
223 40.8 31.3 93.8
227 54.5 31.9 95.9





#95
Naphthalene
Concen: 0.554 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

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



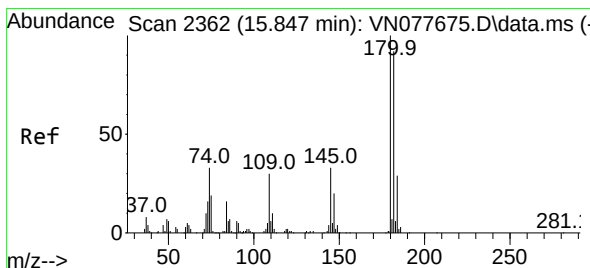
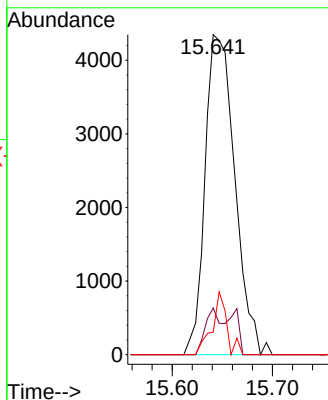
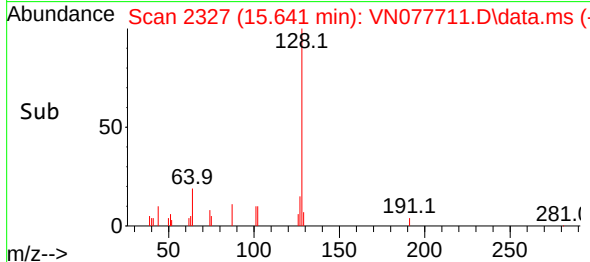
Tgt Ion:128 Resp: 8990
Ion Ratio Lower Upper
128 100
127 8.5 10.0 15.0
129 9.6 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John
Carlone

05/18/2023
Supervised By :Mahesh
Dadoda

05/18/2023



#96
1,2,3-Trichlorobenzene
Concen: 0.616 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.006 min
Lab File: VN077711.D
Acq: 17 May 2023 14:09

Tgt Ion:180 Resp: 2841
Ion Ratio Lower Upper
180 100
182 85.4 46.2 138.6
145 41.8 17.5 52.6

