

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
 Data File : VN076775.D
 Acq On : 22 Feb 2023 16:53
 Operator : JC\MD
 Sample : 01627-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Quant Time: Feb 23 00:46:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/23/2023
 Supervised By : Mahesh Dadoda 02/23/2023

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	237946	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	426117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	371555	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	140919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	181714	55.305	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.600%			
35) Dibromofluoromethane	8.172	113	137381	49.231	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.460%			
50) Toluene-d8	10.572	98	514312	49.351	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.700%			
62) 4-Bromofluorobenzene	12.848	95	148076	42.900	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 85.800%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.143	85	1781	0.705	ug/l	99
3) Chloromethane	2.372	50	2958	0.897	ug/l #	78
4) Vinyl Chloride	2.531	62	2809	0.866	ug/l #	86
5) Bromomethane	2.966	94	3116	1.585	ug/l	94
6) Chloroethane	3.131	64	2326	1.134	ug/l #	84
7) Trichlorofluoromethane	3.501	101	3720m	0.843	ug/l	
8) Diethyl Ether	3.978	74	1440	0.847	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.390	101	2106m	0.812	ug/l	
10) Methyl Iodide	4.601	142	2136m	0.667	ug/l	
11) Tert butyl alcohol	5.548	59	2240m	5.165	ug/l	
12) 1,1-Dichloroethene	4.348	96	1671	0.680	ug/l #	47
13) Acrolein	4.196	56	2739	4.207	ug/l #	60
14) Allyl chloride	5.025	41	3656m	0.859	ug/l	
15) Acrylonitrile	5.725	53	6938	4.508	ug/l #	67
16) Acetone	4.443	43	5622	3.831	ug/l	97
17) Carbon Disulfide	4.713	76	5134	0.792	ug/l #	73
18) Methyl Acetate	5.060	43	4124m	0.861	ug/l	
19) Methyl tert-butyl Ether	5.813	73	6692	0.808	ug/l	97
20) Methylene Chloride	5.301	84	4149m	1.349	ug/l	
21) trans-1,2-Dichloroethene	5.801	96	2070	0.749	ug/l #	83
22) Diisopropyl ether	6.678	45	7041m	0.705	ug/l	
23) Vinyl Acetate	6.613	43	22521	3.813	ug/l	98
24) 1,1-Dichloroethane	6.572	63	4455	0.814	ug/l #	78
25) 2-Butanone	7.501	43	9780	4.517	ug/l #	73
26) 2,2-Dichloropropane	7.495	77	3197	0.810	ug/l #	68
27) cis-1,2-Dichloroethene	7.501	96	2734	0.834	ug/l	94
28) Bromochloromethane	7.813	49	2586	0.993	ug/l #	87
29) Tetrahydrofuran	7.860	42	6513	4.605	ug/l	95
30) Chloroform	7.972	83	4719	0.863	ug/l	99
31) Cyclohexane	8.236	56	10269	1.992	ug/l #	56
32) 1,1,1-Trichloroethane	8.172	97	3585	0.780	ug/l #	41
36) 1,1-Dichloropropene	8.378	75	3329	0.826	ug/l	91
37) Ethyl Acetate	7.572	43	3994	0.942	ug/l #	79
38) Carbon Tetrachloride	8.366	117	3505	0.862	ug/l #	72
39) Methylcyclohexane	9.613	83	2710	0.591	ug/l #	75
40) Benzene	8.607	78	10201	0.824	ug/l #	84

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	2392	0.973	ug/l #	71
42) 1,2-Dichloroethane	8.672	62	4151	0.961	ug/l	97
43) Isopropyl Acetate	8.695	43	5839	0.846	ug/l #	87
44) Trichloroethene	9.354	130	2721	0.930	ug/l	84
45) 1,2-Dichloropropane	9.613	63	3334m	1.017	ug/l	
46) Dibromomethane	9.713	93	2293	1.094	ug/l #	67
47) Bromodichloromethane	9.889	83	3368	0.802	ug/l #	85
48) Methyl methacrylate	9.689	41	2794m	0.853	ug/l	
49) 1,4-Dioxane	9.701	88	953	16.819	ug/l #	82
51) 4-Methyl-2-Pentanone	10.448	43	15500	3.529	ug/l	100
52) Toluene	10.636	92	6185	0.827	ug/l	95
53) t-1,3-Dichloropropene	10.836	75	3015	0.744	ug/l #	49
54) cis-1,3-Dichloropropene	10.319	75	3580	0.765	ug/l #	84
55) 1,1,2-Trichloroethane	11.024	97	2650	0.872	ug/l #	81
56) Ethyl methacrylate	10.883	69	3363	0.786	ug/l #	83
57) 1,3-Dichloropropane	11.160	76	4313	0.826	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.166	63	5124	2.615	ug/l #	89
59) 2-Hexanone	11.195	43	11300	3.568	ug/l	96
60) Dibromochloromethane	11.360	129	2671	0.834	ug/l	87
61) 1,2-Dibromoethane	11.466	107	1967	0.646	ug/l	84
64) Tetrachloroethene	11.101	164	1870	0.799	ug/l #	49
65) Chlorobenzene	11.889	112	6870	0.872	ug/l #	83
66) 1,1,1,2-Tetrachloroethane	11.960	131	2002	0.700	ug/l #	59
67) Ethyl Benzene	11.966	91	9730	0.725	ug/l	90
68) m/p-Xylenes	12.077	106	7121	1.377	ug/l	100
69) o-Xylene	12.395	106	3793	0.752	ug/l	74
70) Styrene	12.419	104	5409	0.663	ug/l	93
71) Bromoform	12.583	173	1265	0.603	ug/l #	80
73) Isopropylbenzene	12.701	105	8643	0.837	ug/l	100
74) N-amyl acetate	12.489	43	3322	0.714	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.942	83	4541	1.215	ug/l	92
76) 1,2,3-Trichloropropane	12.995	75	2470m	0.867	ug/l	
77) Bromobenzene	12.983	156	2477	0.961	ug/l	94
78) n-propylbenzene	13.036	91	9451	0.779	ug/l	95
79) 2-Chlorotoluene	13.130	91	7333	0.987	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	5952	0.697	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.742	75	412m	0.421	ug/l	
82) 4-Chlorotoluene	13.130	91	7333	0.987	ug/l	99
83) tert-Butylbenzene	13.436	119	6246	0.809	ug/l	96
84) 1,2,4-Trimethylbenzene	13.483	105	5819	0.684	ug/l	91
85) sec-Butylbenzene	13.613	105	7165	0.665	ug/l	98
86) p-Isopropyltoluene	13.730	119	5342	0.621	ug/l	98
87) 1,3-Dichlorobenzene	13.742	146	3612	0.741	ug/l	88
88) 1,4-Dichlorobenzene	13.818	146	4665m	0.962	ug/l	
89) n-Butylbenzene	14.060	91	4868	0.650	ug/l	99
90) Hexachloroethane	14.330	117	1788	0.992	ug/l	91
91) 1,2-Dichlorobenzene	14.107	146	3804	0.762	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.712	75	808	1.115	ug/l #	15
93) 1,2,4-Trichlorobenzene	15.401	180	1751	0.703	ug/l	88
94) Hexachlorobutadiene	15.507	225	972	0.796	ug/l	74
95) Naphthalene	15.642	128	4889	0.647	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.848	180	1599	0.663	ug/l #	82

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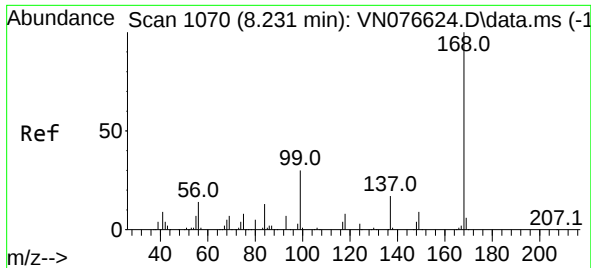
Manual Integrations
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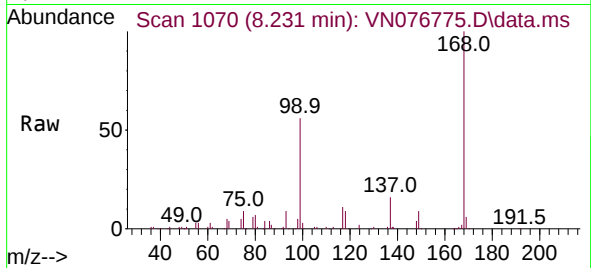
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VN076775.D
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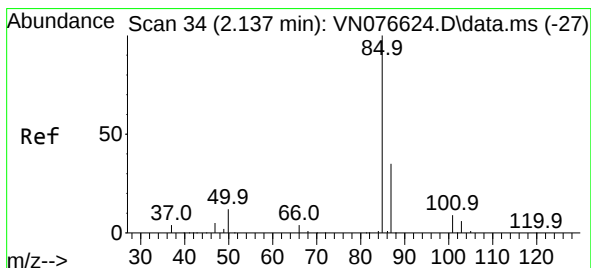
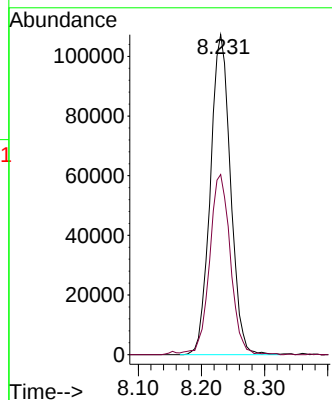
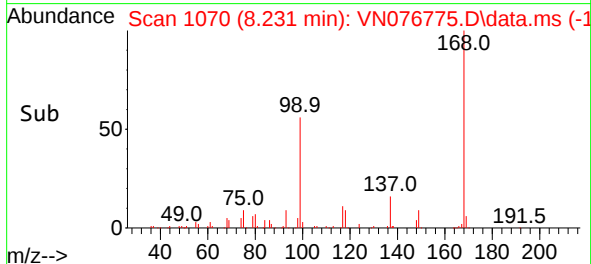
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:168 Resp: 237940
Ion Ratio Lower Upper
168 100
99 56.3 44.8 67.2

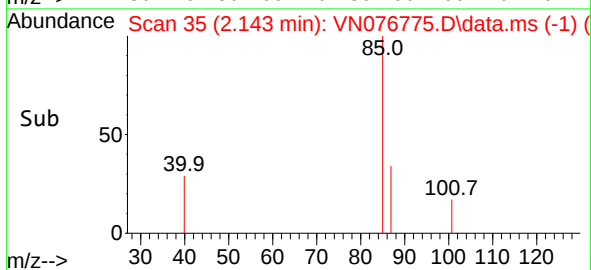
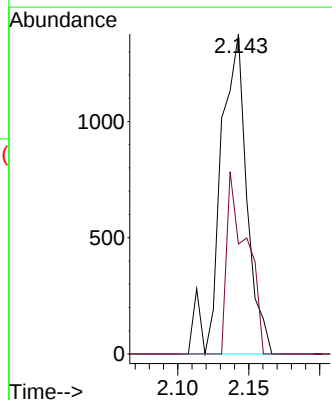
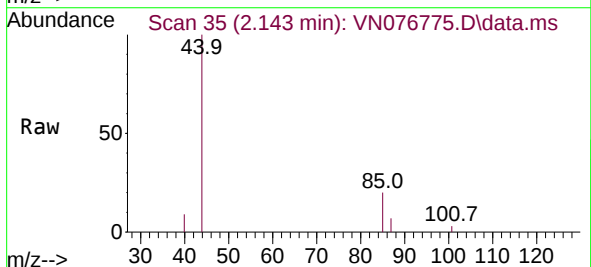
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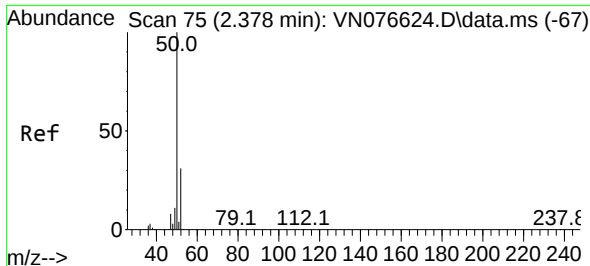
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#2
Dichlorodifluoromethane
Concen: 0.705 ug/l
RT: 2.143 min Scan# 35
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

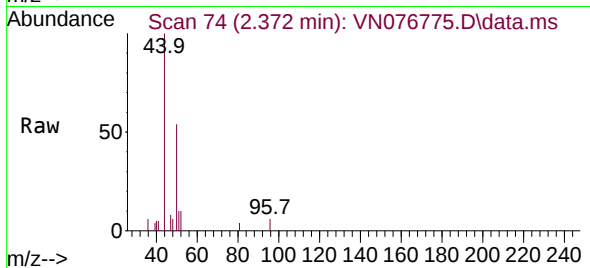
Tgt Ion: 85 Resp: 1781
Ion Ratio Lower Upper
85 100
87 34.4 17.4 52.2





#3
Chloromethane
Concen: 0.897 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

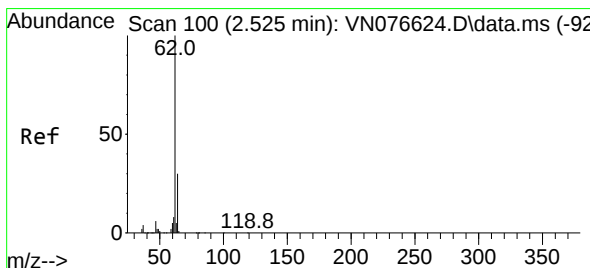
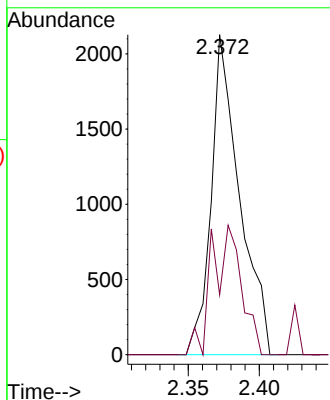
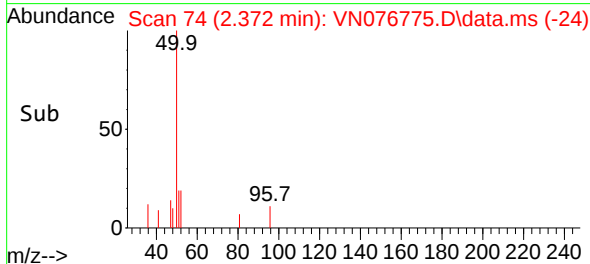
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Tgt Ion: 50 Resp: 2958
Ion Ratio Lower Upper
50 100
52 18.7 24.7 37.1

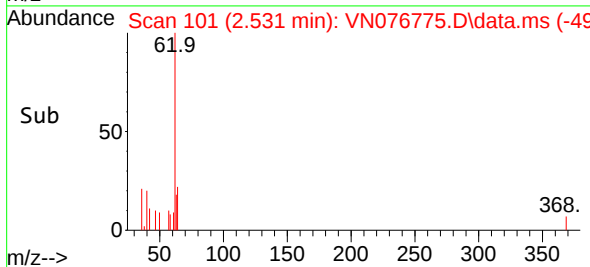
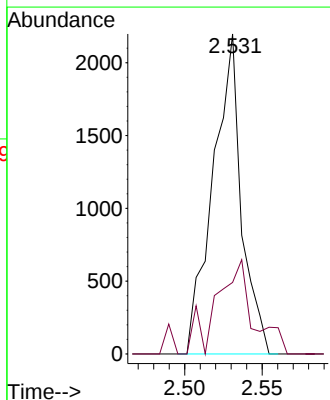
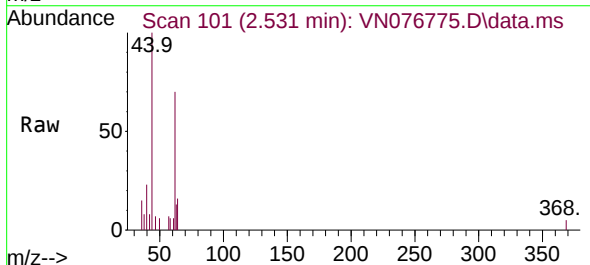
Manual Integrations
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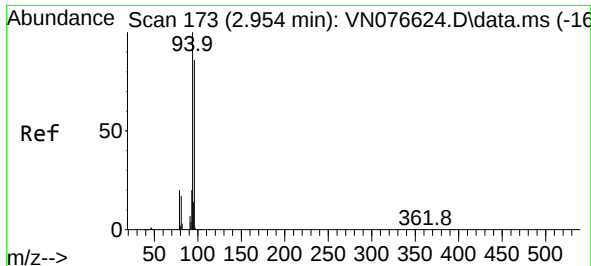
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#4
Vinyl Chloride
Concen: 0.866 ug/l
RT: 2.531 min Scan# 101
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

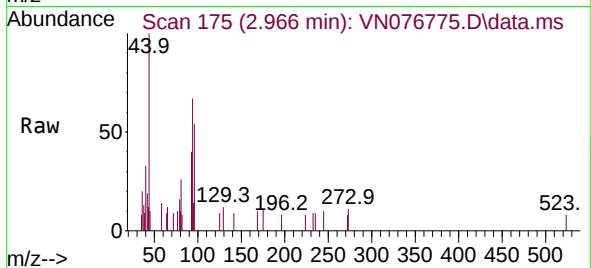
Tgt Ion: 62 Resp: 2809
Ion Ratio Lower Upper
62 100
64 22.3 23.9 35.9





#5
Bromomethane
Concen: 1.585 ug/l
RT: 2.966 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

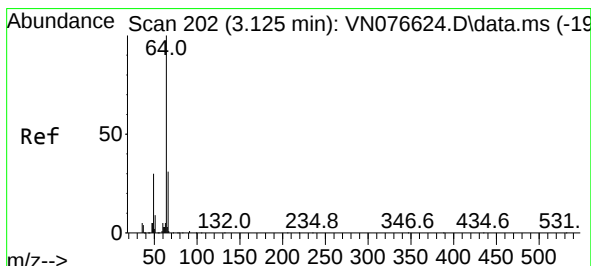
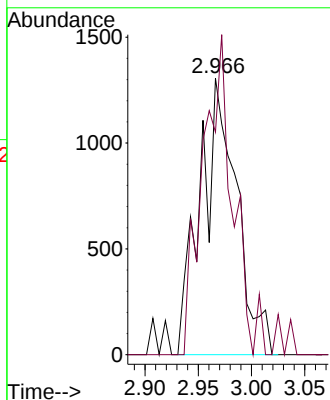
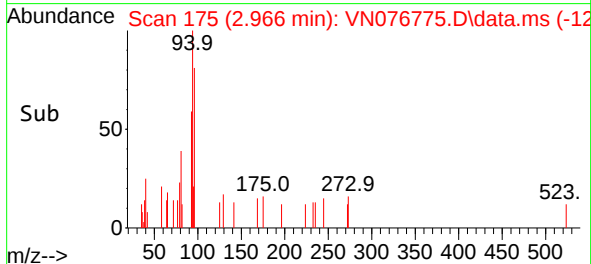
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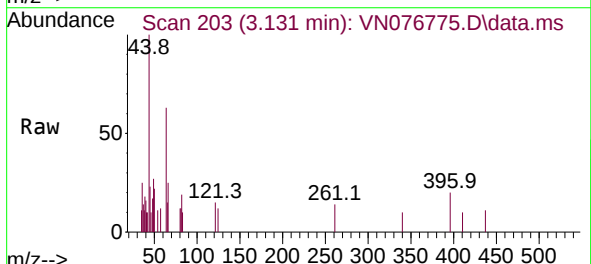
Tgt Ion: 94 Resp: 3110
Ion Ratio Lower Upper
94 100
96 80.6 69.0 103.4

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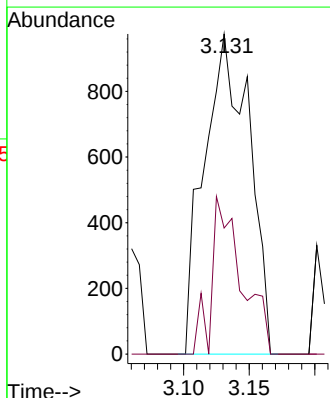
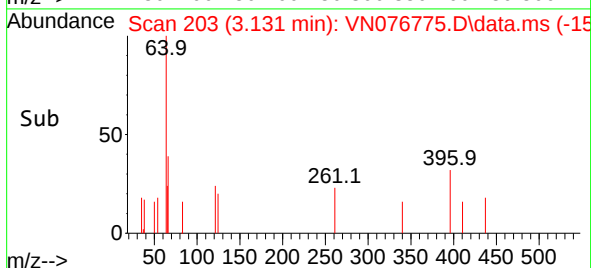
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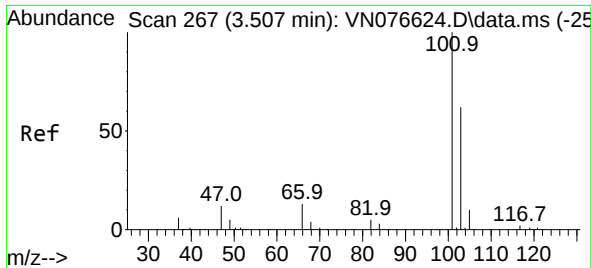


#6
Chloroethane
Concen: 1.134 ug/l
RT: 3.131 min Scan# 203
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



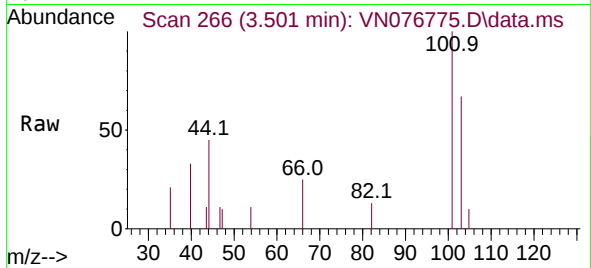
Tgt Ion: 64 Resp: 2326
Ion Ratio Lower Upper
64 100
66 39.4 24.6 37.0#





#7
 Trichlorofluoromethane
 Concen: 0.843 ug/l m
 RT: 3.501 min Scan# 210
 Delta R.T. -0.006 min
 Lab File: VN076775.D
 Acq: 22 Feb 2023 16:53

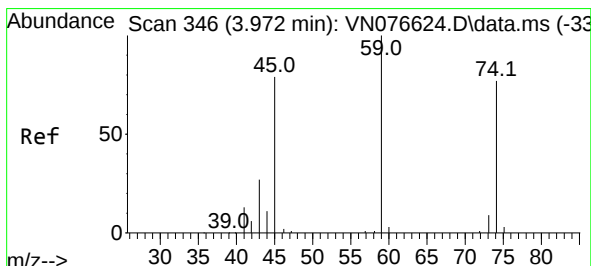
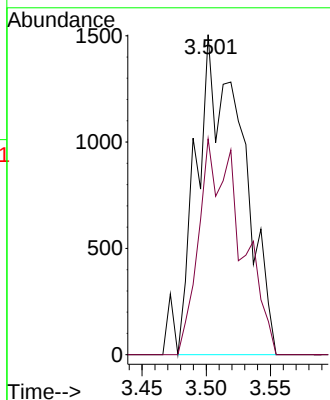
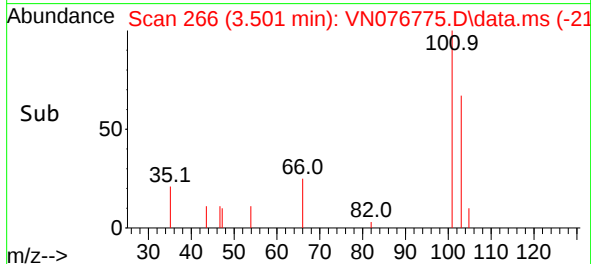
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023



Tgt Ion:101 Resp: 3720
 Ion Ratio Lower Upper
 101 100
 103 67.4 49.4 74.2

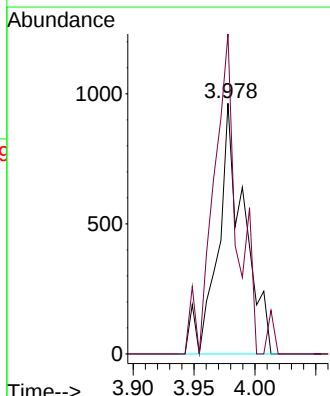
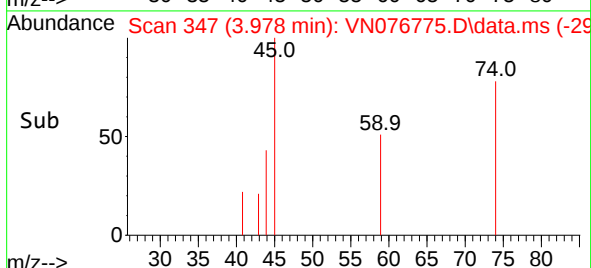
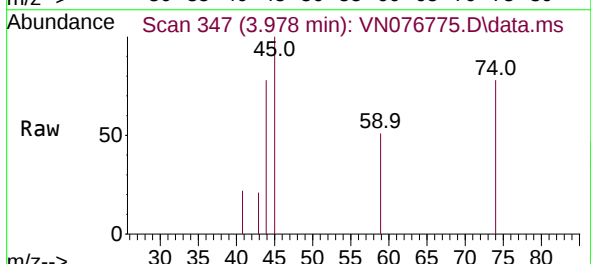
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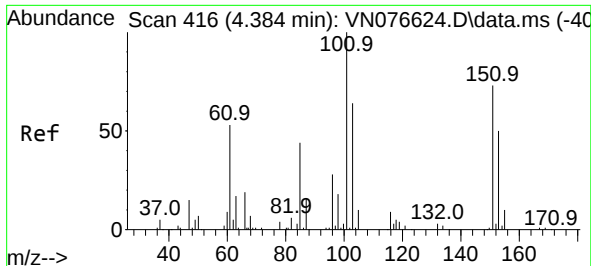
Reviewed By :John Carlone 02/23/2023
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#8
 Diethyl Ether
 Concen: 0.847 ug/l
 RT: 3.978 min Scan# 347
 Delta R.T. 0.006 min
 Lab File: VN076775.D
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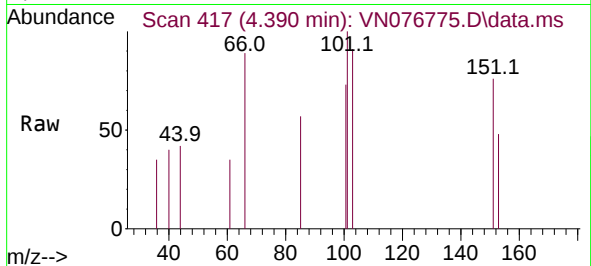
Tgt Ion: 74 Resp: 1440
 Ion Ratio Lower Upper
 74 100
 45 116.0 51.3 153.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.812 ug/l m
RT: 4.390 min Scan# 416
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

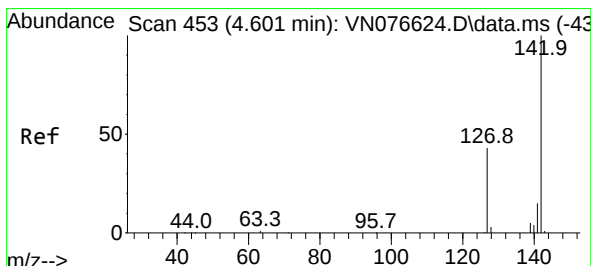
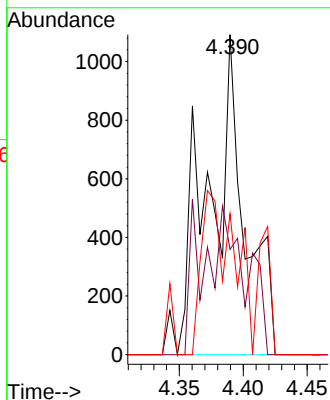
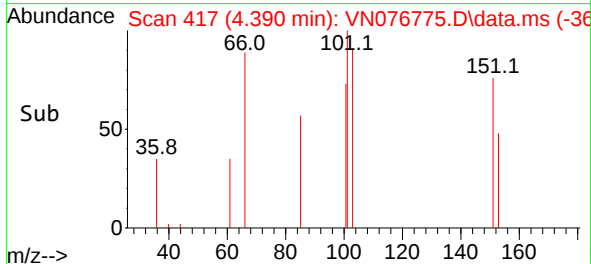
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:101 Resp: 2100
Ion Ratio Lower Upper
101 100
85 34.9 37.4 56.0#
151 27.7 58.7 88.1#

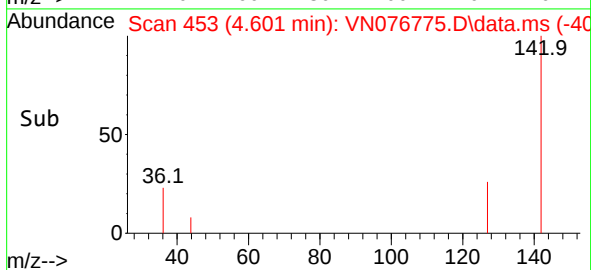
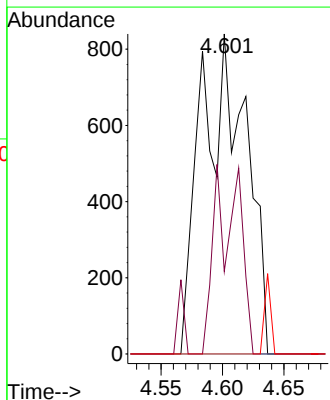
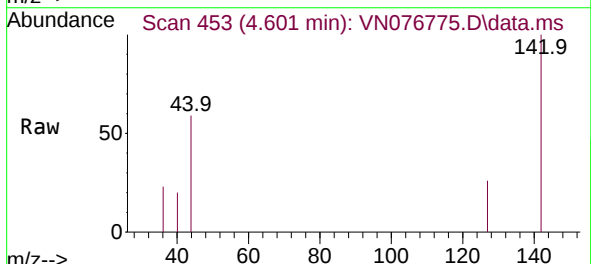
Manual Integrations
APPROVED

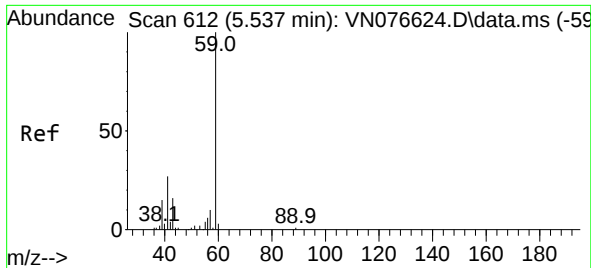
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#10
Methyl Iodide
Concen: 0.667 ug/l m
RT: 4.601 min Scan# 453
Delta R.T. 0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

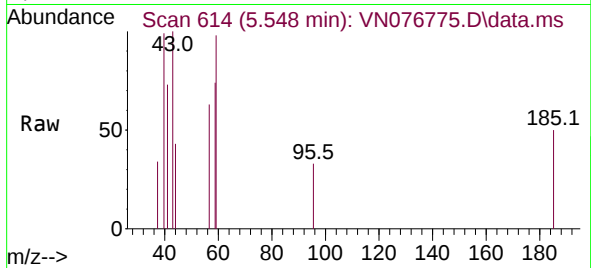
Tgt Ion:142 Resp: 2136
Ion Ratio Lower Upper
142 100
127 25.8 34.6 51.8#
141 0.0 11.7 17.5#





#11
Tert butyl alcohol
Concen: 5.165 ug/l m
RT: 5.548 min Scan# 612
Delta R.T. 0.011 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

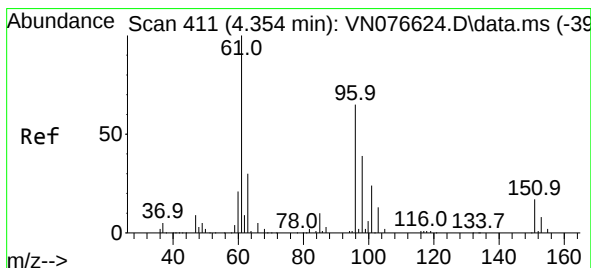
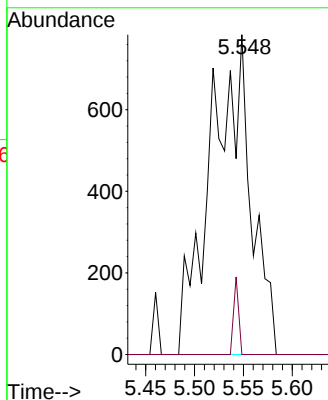
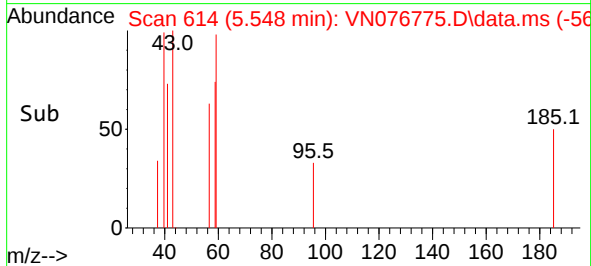
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 59 Resp: 2240
Ion Ratio Lower Upper
59 100
57 3.0 8.7 13.1

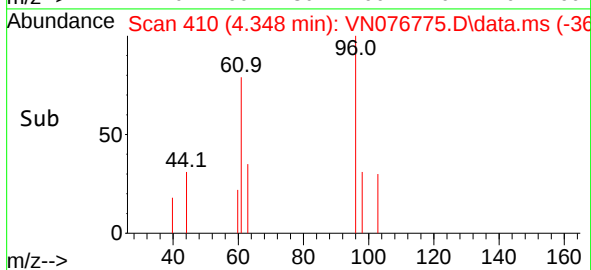
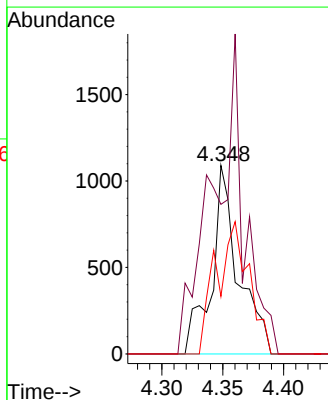
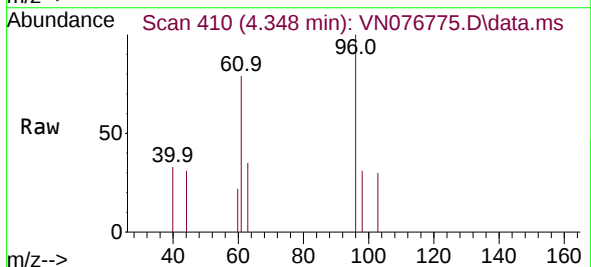
Manual Integrations
APPROVED

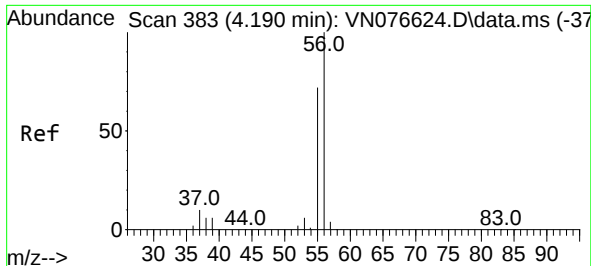
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#12
1,1-Dichloroethene
Concen: 0.680 ug/l
RT: 4.348 min Scan# 410
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Tgt Ion: 96 Resp: 1671
Ion Ratio Lower Upper
96 100
61 79.4 123.8 185.6#
98 30.6 48.4 72.6#





#13

Acrolein

Concen: 4.207 ug/l

RT: 4.196 min Scan# 383

Delta R.T. 0.005 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 56 Resp: 2739

Ion Ratio Lower Upper

56 100

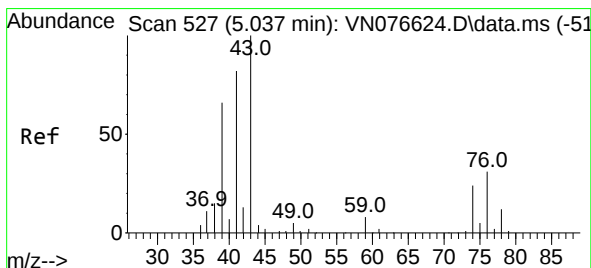
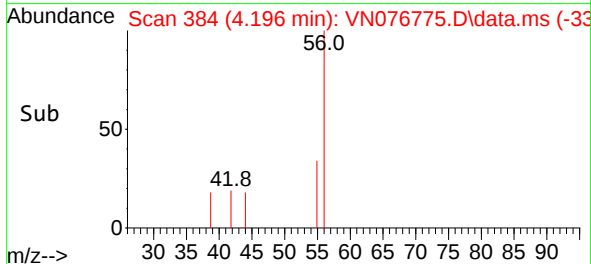
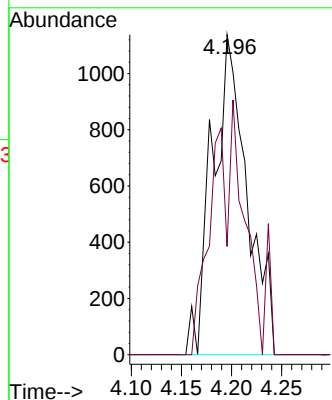
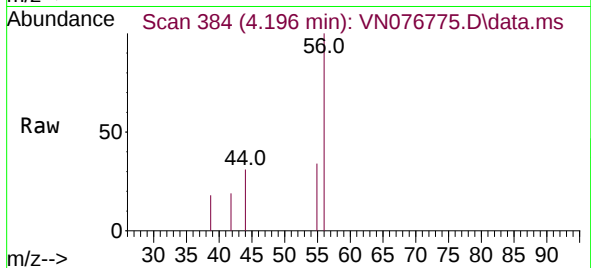
55 37.5 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#14

Allyl chloride

Concen: 0.859 ug/l m

RT: 5.025 min Scan# 525

Delta R.T. -0.012 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

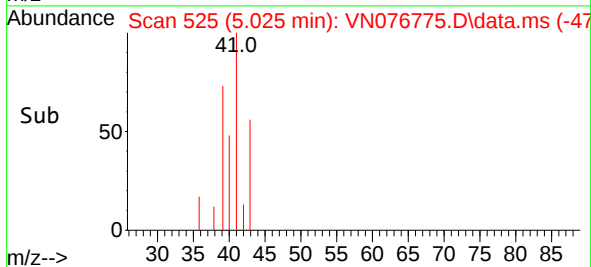
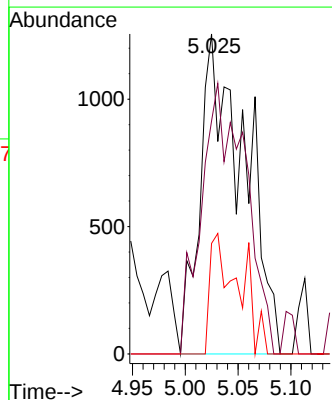
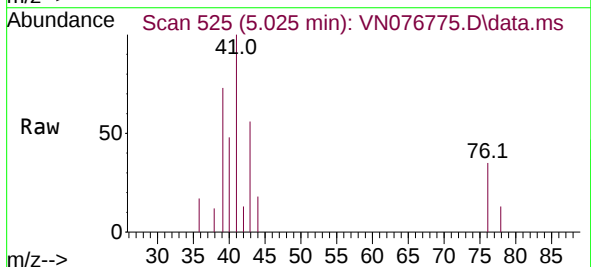
Tgt Ion: 41 Resp: 3656

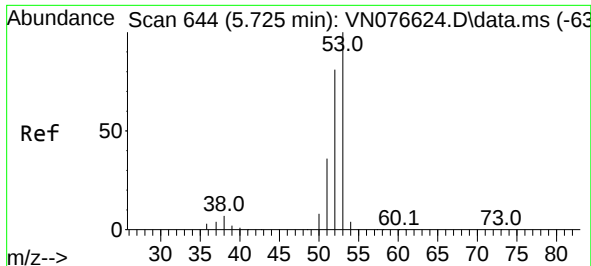
Ion Ratio Lower Upper

41 100

39 84.5 62.3 93.5

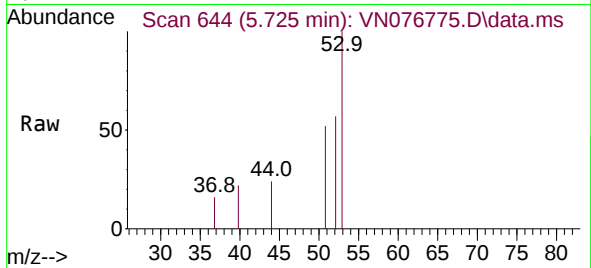
76 14.0 27.0 40.6





#15
Acrylonitrile
Concen: 4.508 ug/l
RT: 5.725 min Scan# 644
Delta R.T. -0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

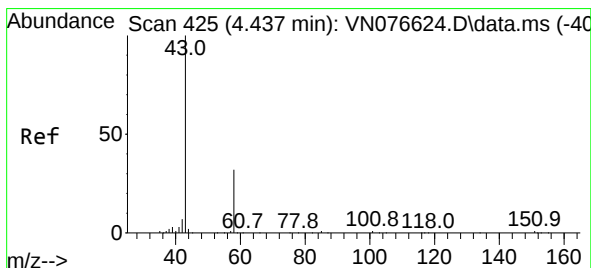
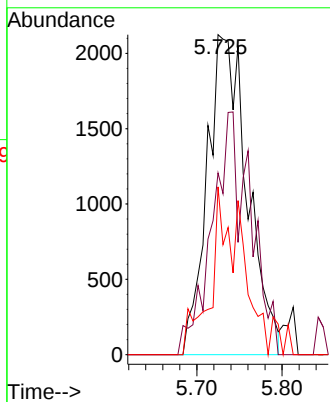
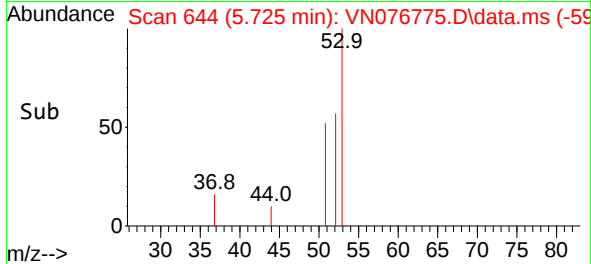
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023



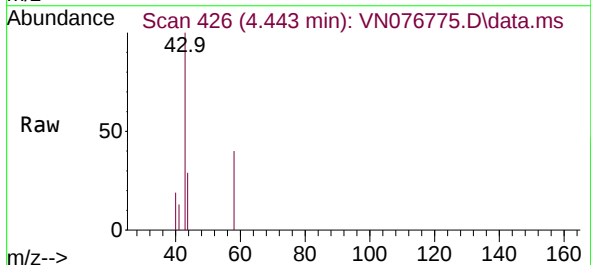
Tgt Ion: 53 Resp: 6938
Ion Ratio Lower Upper
53 100
52 46.9 65.3 97.9
51 25.0 29.2 43.8

Manual Integrations
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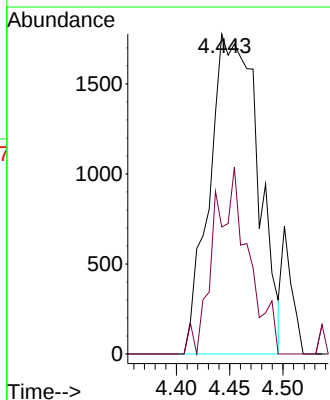
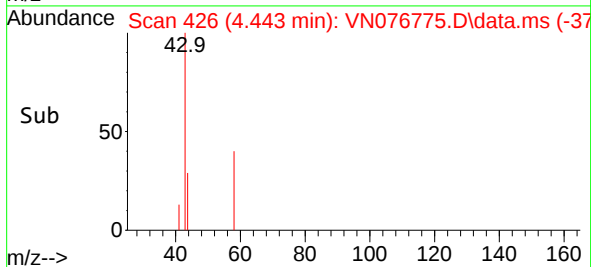
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

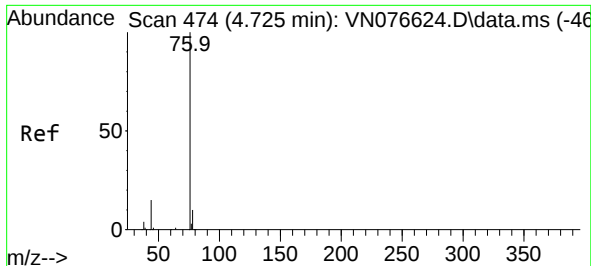


#16
Acetone
Concen: 3.831 ug/l
RT: 4.443 min Scan# 426
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



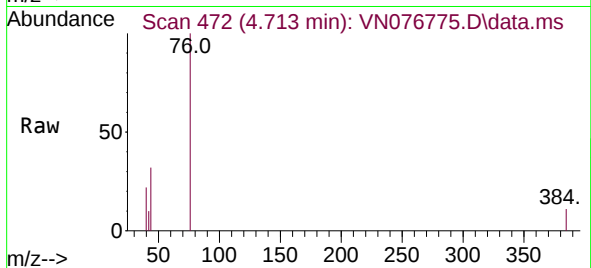
Tgt Ion: 43 Resp: 5622
Ion Ratio Lower Upper
43 100
58 30.9 25.9 38.9





#17
Carbon Disulfide
Concen: 0.792 ug/l
RT: 4.713 min Scan# 413
Delta R.T. -0.012 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

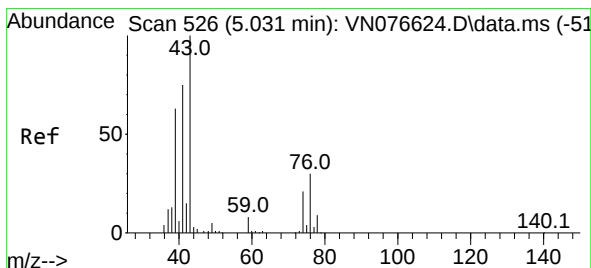
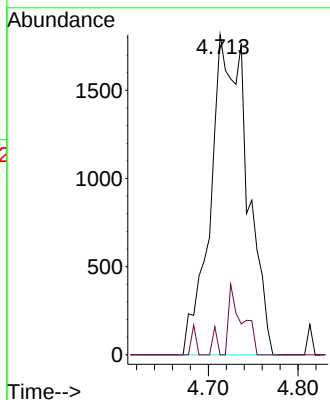
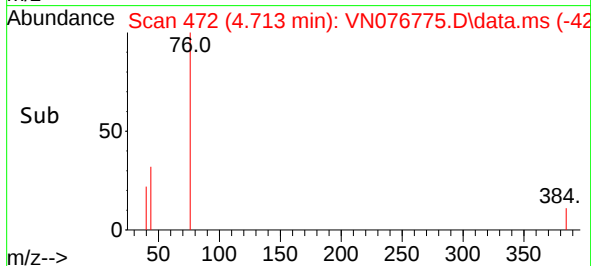
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 76 Resp: 5134
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8

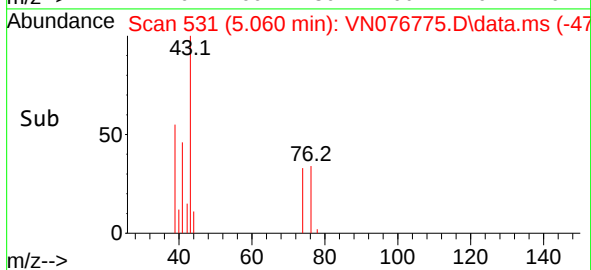
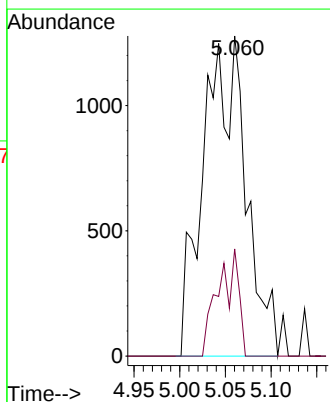
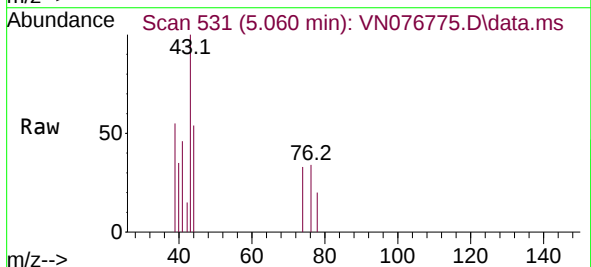
Manual Integrations
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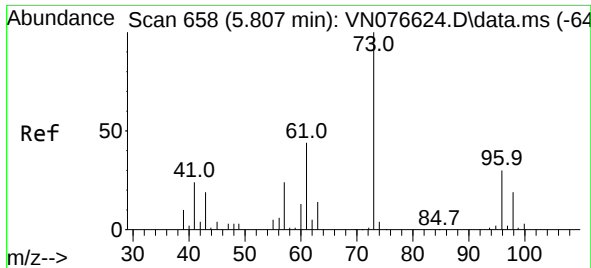
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#18
Methyl Acetate
Concen: 0.861 ug/l m
RT: 5.060 min Scan# 531
Delta R.T. 0.029 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Tgt Ion: 43 Resp: 4124
Ion Ratio Lower Upper
43 100
74 16.0 17.7 26.5





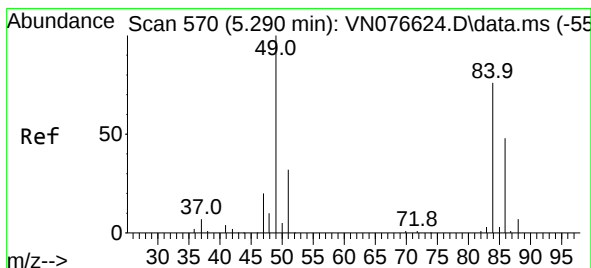
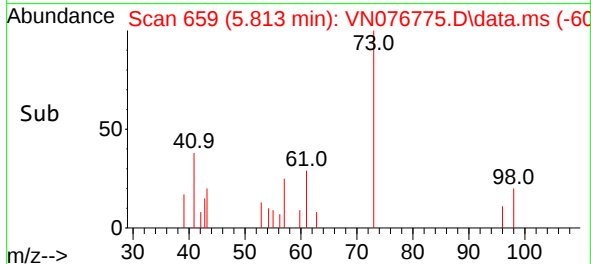
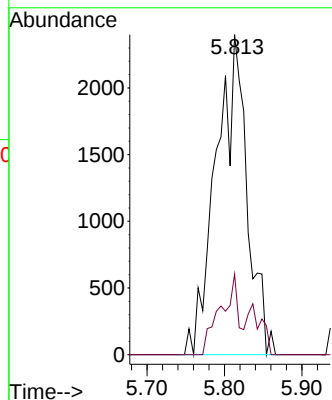
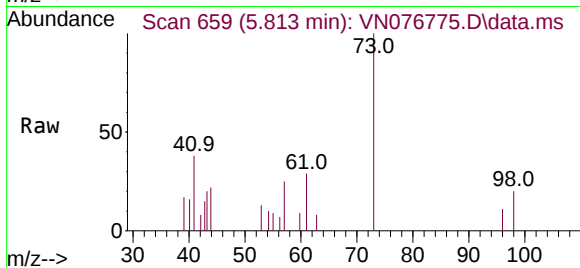
#19
Methyl tert-butyl Ether
Concen: 0.808 ug/l
RT: 5.813 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion: 73 Resp: 6692
Ion Ratio Lower Upper
73 100
57 25.2 19.0 28.4

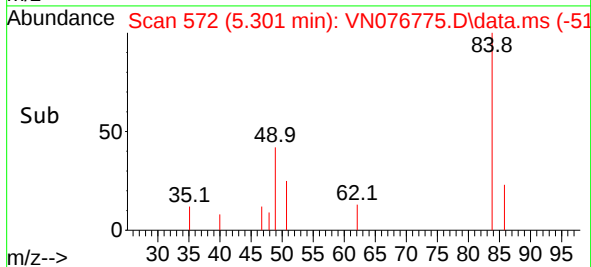
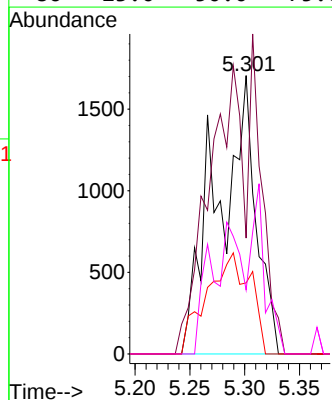
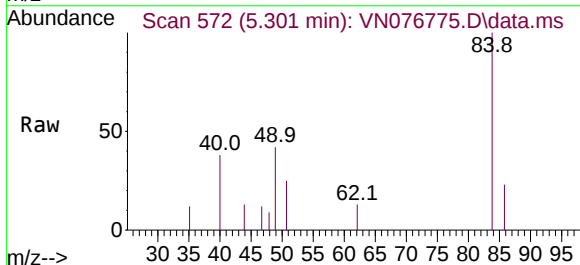
Manual Integrations
APPROVED

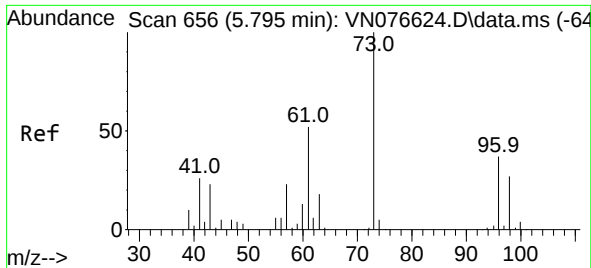
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#20
Methylene Chloride
Concen: 1.349 ug/l m
RT: 5.301 min Scan# 572
Delta R.T. 0.011 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

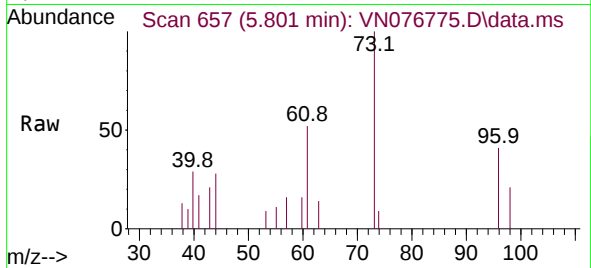
Tgt Ion: 84 Resp: 4149
Ion Ratio Lower Upper
84 100
49 41.6 104.9 157.3#
51 25.5 33.8 50.8#
86 23.0 50.0 75.0#





#21
trans-1,2-Dichloroethene
Concen: 0.749 ug/l
RT: 5.801 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

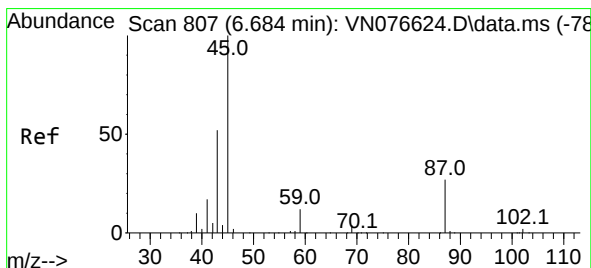
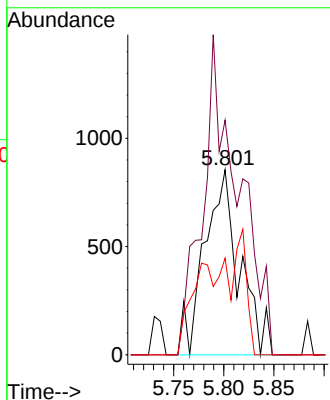
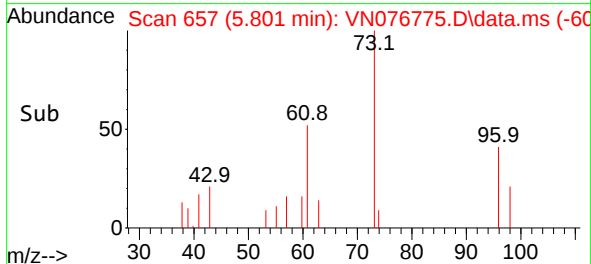
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



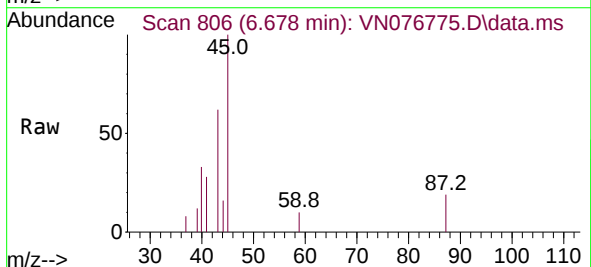
Tgt Ion: 96 Resp: 2070
Ion Ratio Lower Upper
96 100
61 126.8 113.9 170.9
98 52.2 59.4 89.0

Manual Integrations
APPROVED

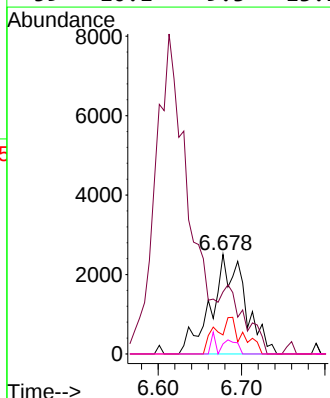
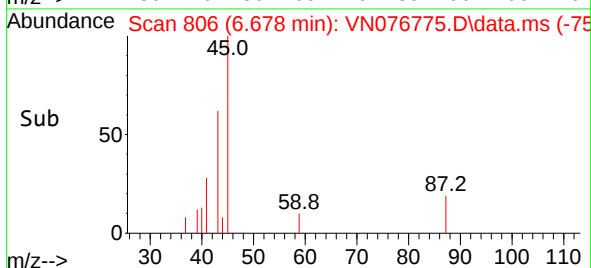
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

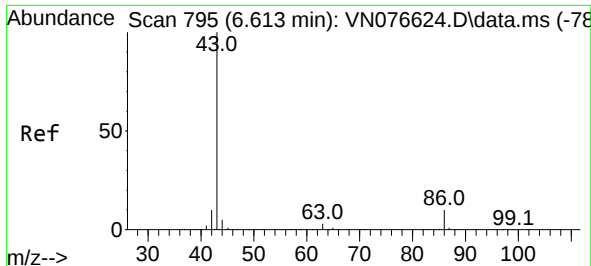


#22
Diisopropyl ether
Concen: 0.705 ug/l m
RT: 6.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



Tgt Ion: 45 Resp: 7041
Ion Ratio Lower Upper
45 100
43 62.4 41.8 62.6
87 19.1 21.8 32.8#
59 10.1 9.3 13.9





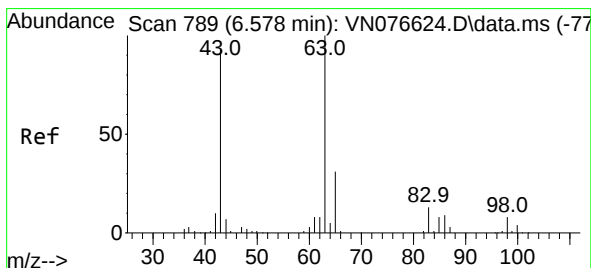
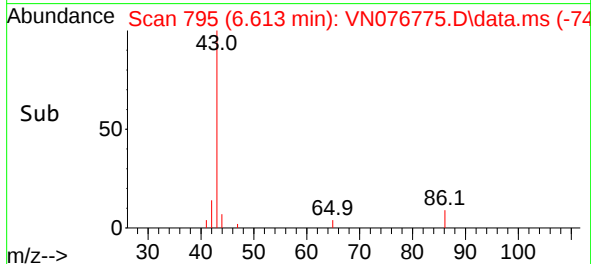
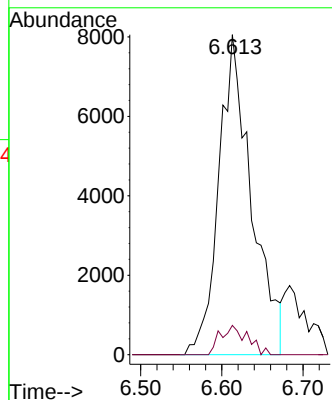
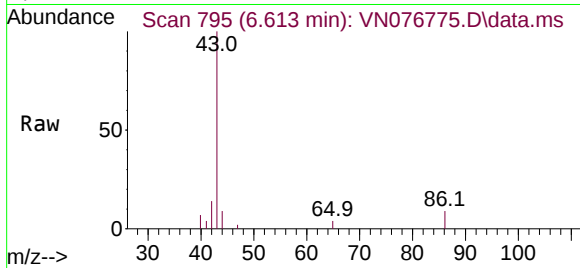
#23
 Vinyl Acetate
 Concen: 3.813 ug/l
 RT: 6.613 min Scan# 795
 Delta R.T. 0.000 min
 Lab File: VN076775.D
 Acq: 22 Feb 2023 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 2252
 Ion Ratio Lower Upper
 43 100
 86 9.6 8.2 12.2

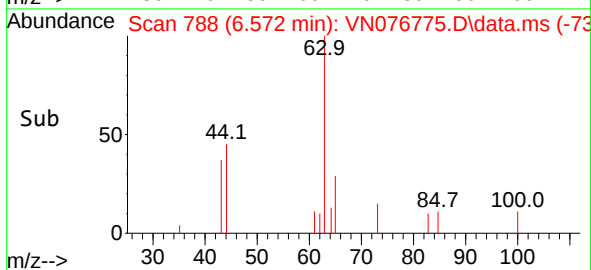
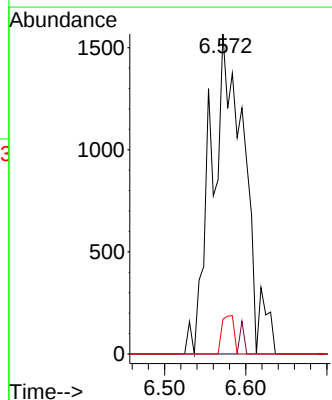
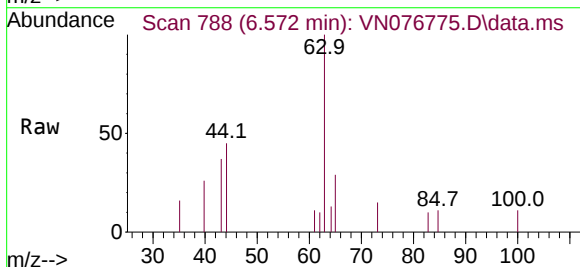
Manual Integrations
 APPROVED

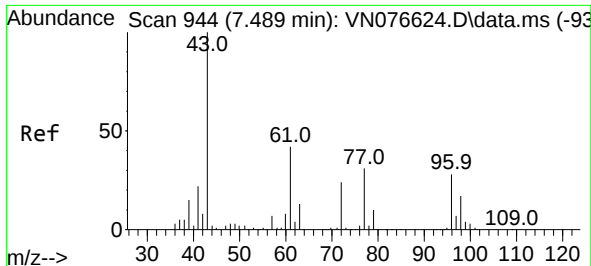
Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#24
 1,1-Dichloroethane
 Concen: 0.814 ug/l
 RT: 6.572 min Scan# 788
 Delta R.T. -0.006 min
 Lab File: VN076775.D
 Acq: 22 Feb 2023 16:53

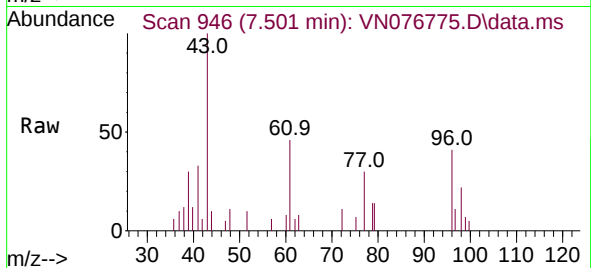
Tgt Ion: 63 Resp: 4455
 Ion Ratio Lower Upper
 63 100
 98 0.0 4.1 12.3#
 100 10.8 2.0 5.8#





#25
2-Butanone
Concen: 4.517 ug/l
RT: 7.501 min Scan# 945
Delta R.T. 0.012 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

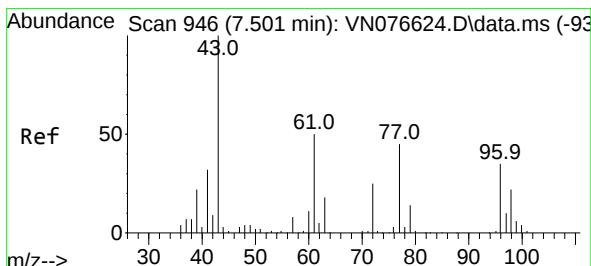
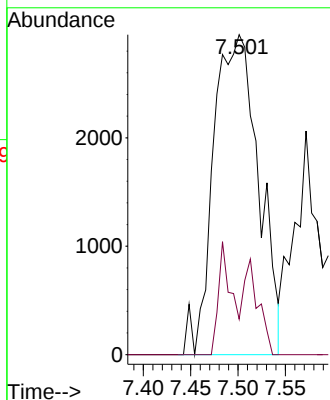
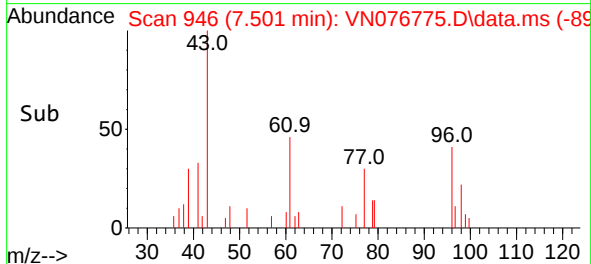
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



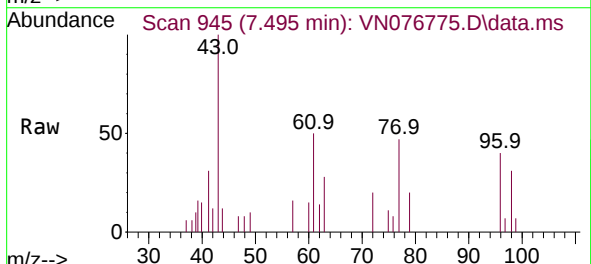
Tgt Ion: 43 Resp: 9780
Ion Ratio Lower Upper
43 100
72 11.1 19.4 29.2

Manual Integrations
APPROVED

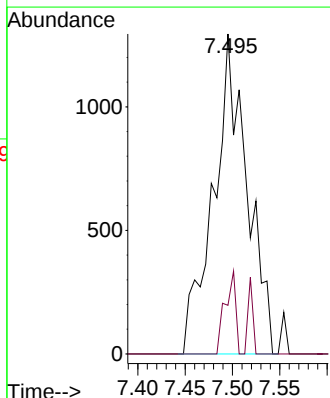
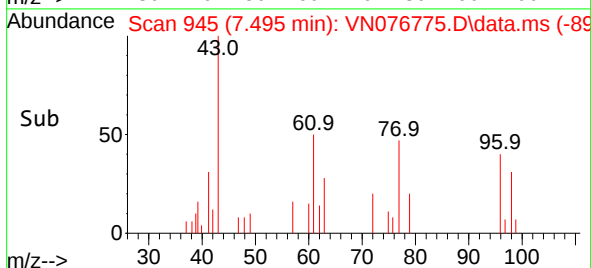
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

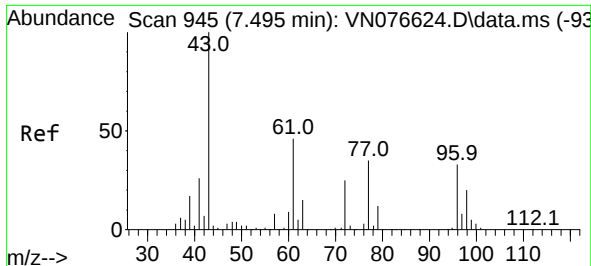


#26
2,2-Dichloropropane
Concen: 0.810 ug/l
RT: 7.495 min Scan# 945
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



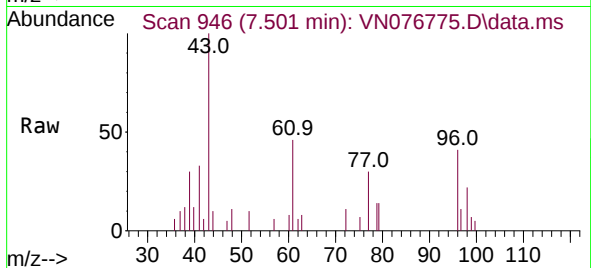
Tgt Ion: 77 Resp: 3197
Ion Ratio Lower Upper
77 100
97 8.1 11.9 35.7





#27
 cis-1,2-Dichloroethene
 Concen: 0.834 ug/l
 RT: 7.501 min Scan# 945
 Delta R.T. 0.006 min
 Lab File: VN076775.D
 Acq: 22 Feb 2023 16:53

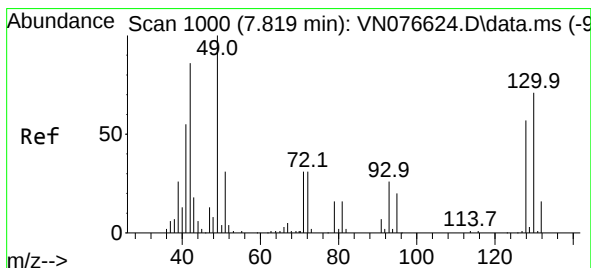
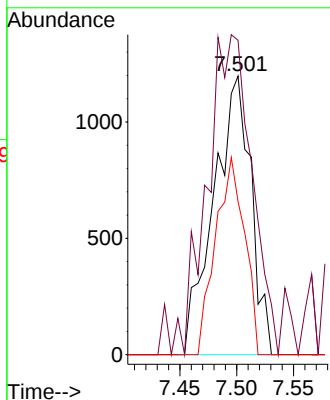
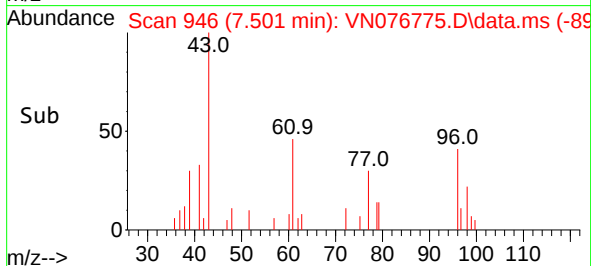
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023



Tgt Ion: 96 Resp: 2734
 Ion Ratio Lower Upper
 96 100
 61 138.0 0.0 286.8
 98 54.9 0.0 124.0

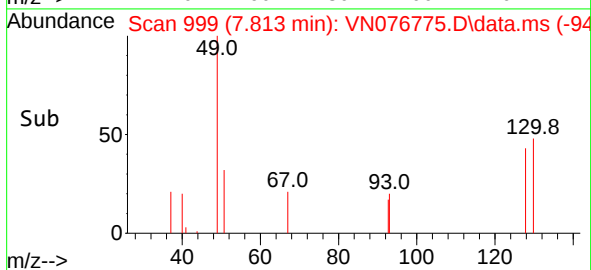
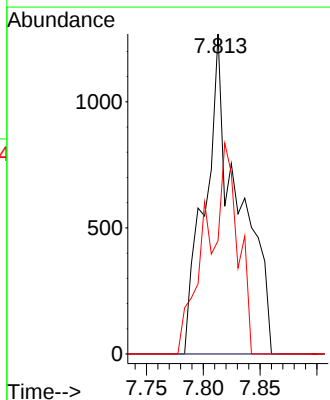
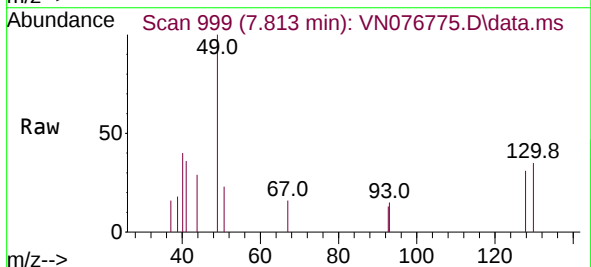
Manual Integrations
 APPROVED

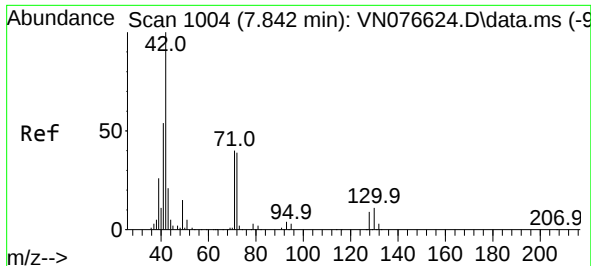
Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#28
 Bromochloromethane
 Concen: 0.993 ug/l
 RT: 7.813 min Scan# 999
 Delta R.T. -0.006 min
 Lab File: VN076775.D
 Acq: 22 Feb 2023 16:53

Tgt Ion: 49 Resp: 2586
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 61.3 57.8 86.8





#29

Tetrahydrofuran

Concen: 4.605 ug/l

RT: 7.860 min Scan# 1007

Delta R.T. 0.018 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Instrument :

MSVOA_N

ClientSampleId :

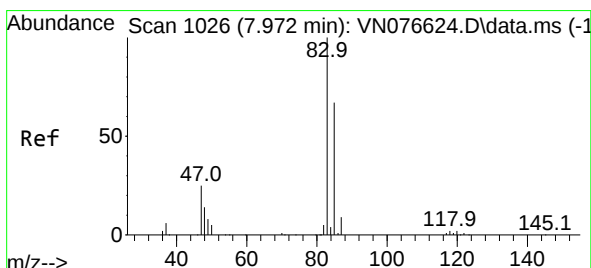
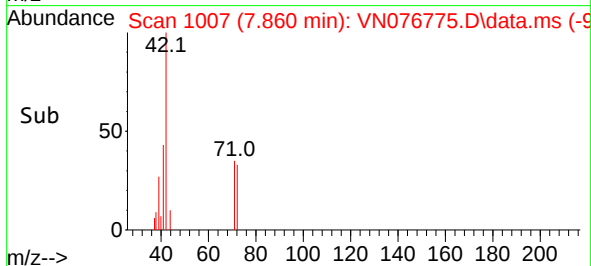
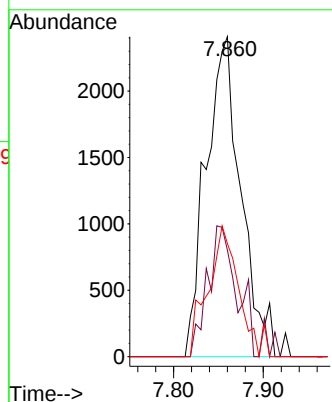
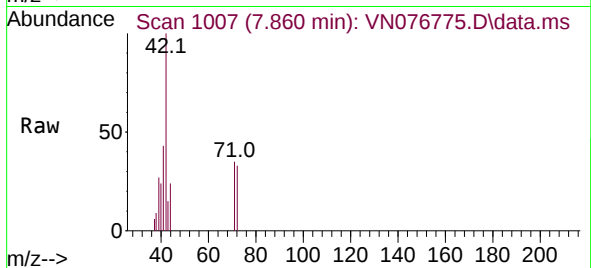
MDL-WATER-03-QT1-2023

Tgt Ion: 42 Resp: 651

Ion	Ratio	Lower	Upper
42	100		
72	34.0	31.5	47.3
71	36.2	29.8	44.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#30

Chloroform

Concen: 0.863 ug/l

RT: 7.972 min Scan# 1026

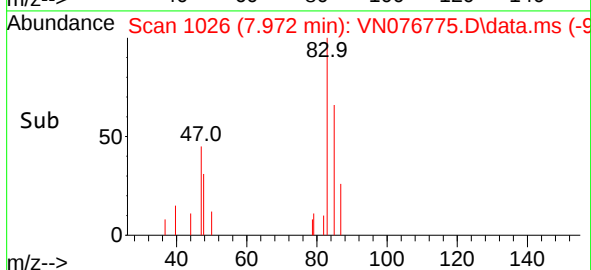
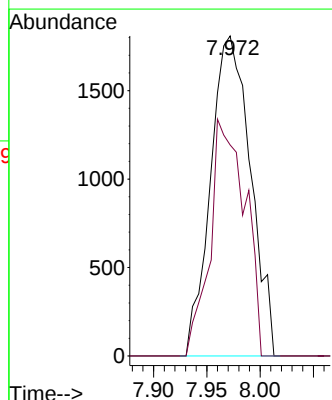
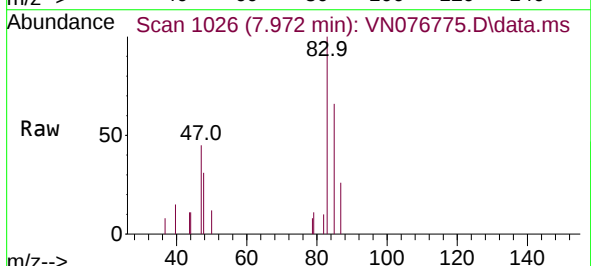
Delta R.T. -0.000 min

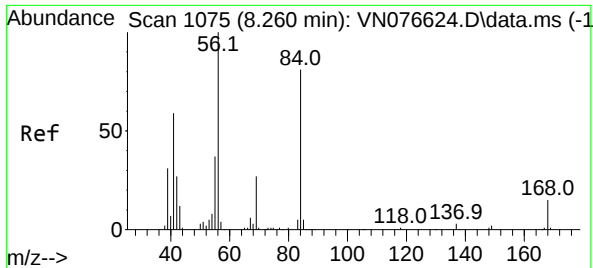
Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Tgt Ion: 83 Resp: 4719

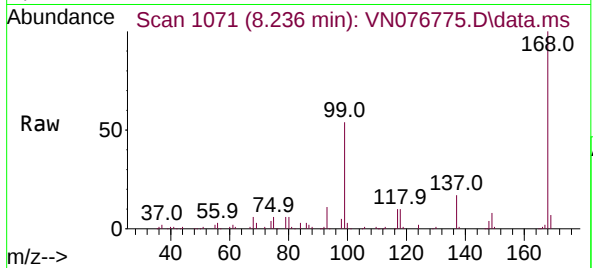
Ion	Ratio	Lower	Upper
83	100		
85	65.9	53.5	80.3





#31
Cyclohexane
Concen: 1.992 ug/l
RT: 8.236 min Scan# 1075
Delta R.T. -0.024 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

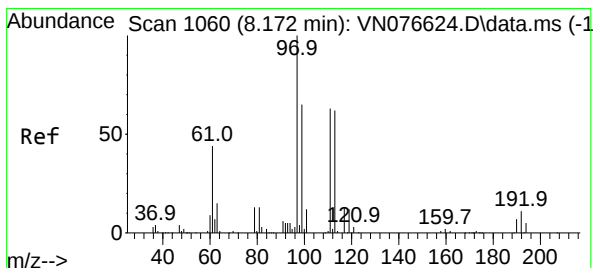
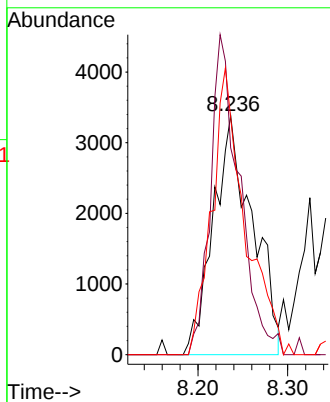
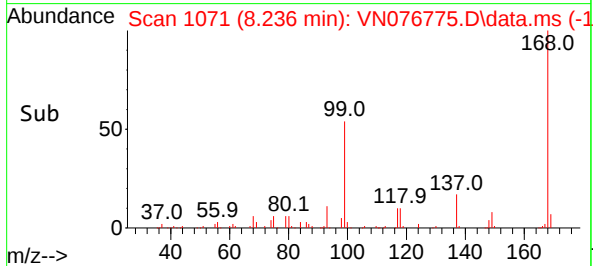
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023



Tgt Ion: 56 Resp: 10269
Ion Ratio Lower Upper
56 100
69 86.6 21.6 32.4#
84 99.1 65.1 97.7#

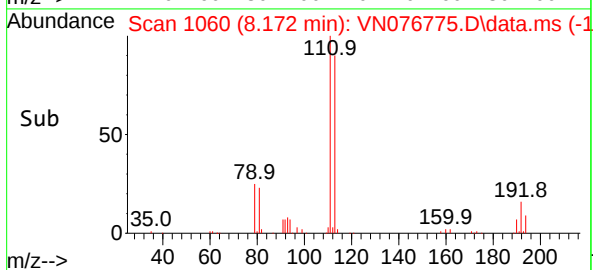
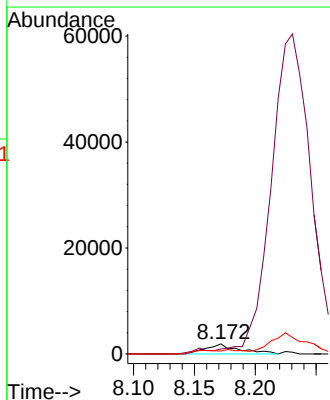
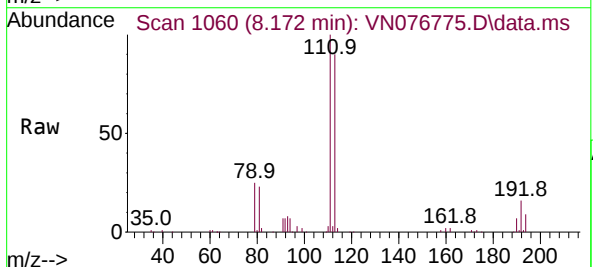
Manual Integrations
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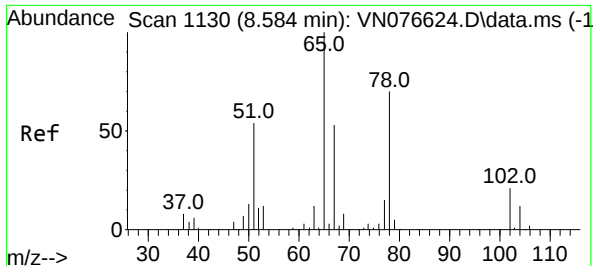
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#32
1,1,1-Trichloroethane
Concen: 0.780 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Tgt Ion: 97 Resp: 3585
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8#
61 28.2 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 55.305 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 65 Resp: 181714

Ion Ratio Lower Upper

65 100

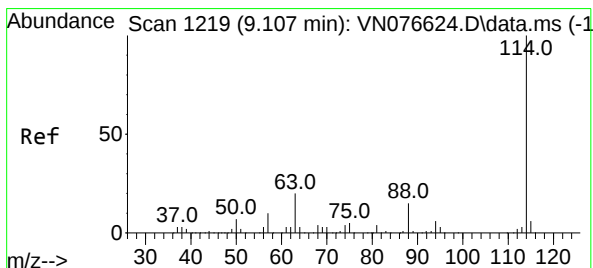
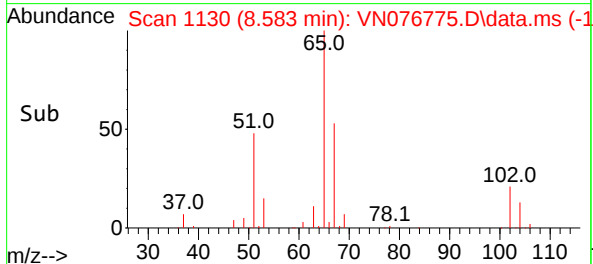
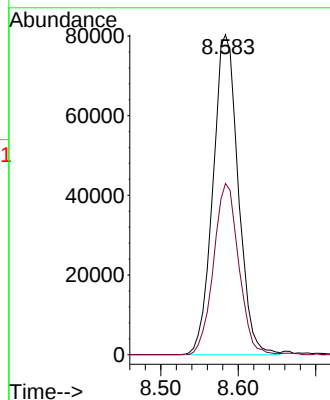
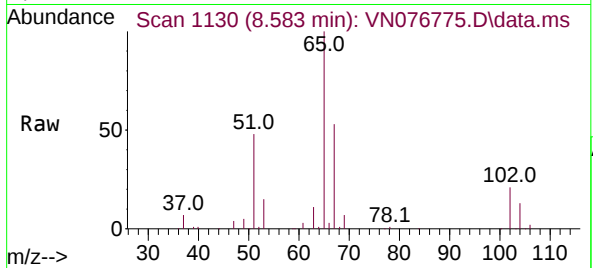
67 53.3 0.0 105.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

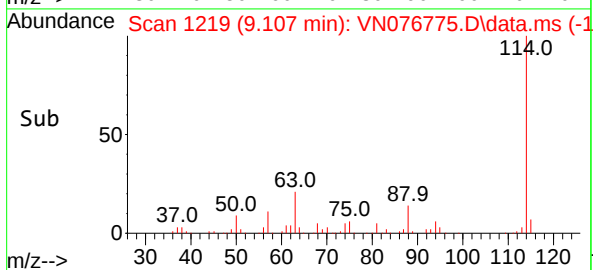
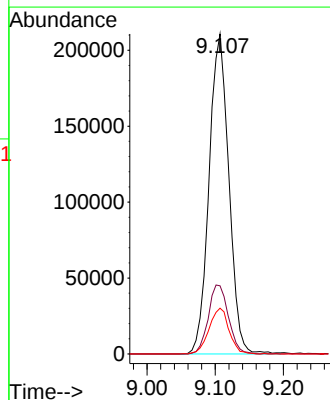
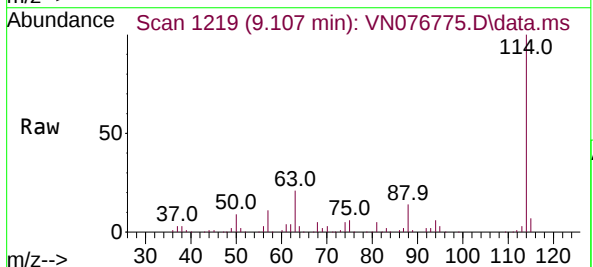
Tgt Ion:114 Resp: 426117

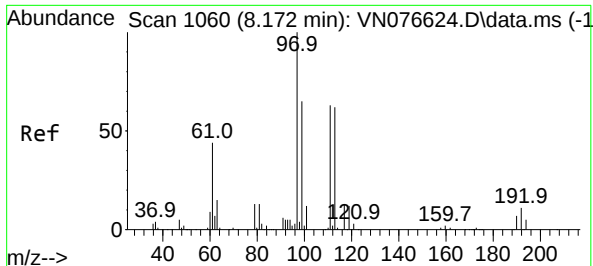
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

88 14.3 0.0 29.6





#35

Dibromofluoromethane

Concen: 49.231 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

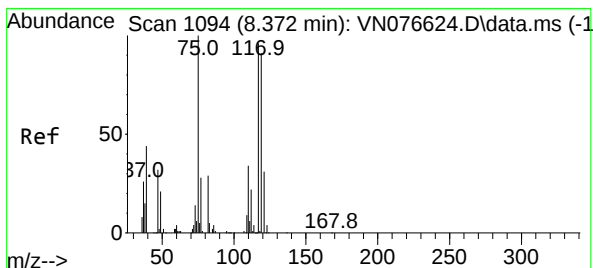
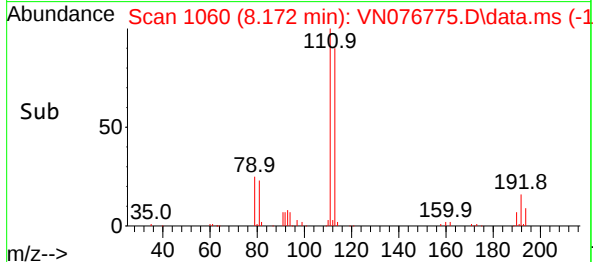
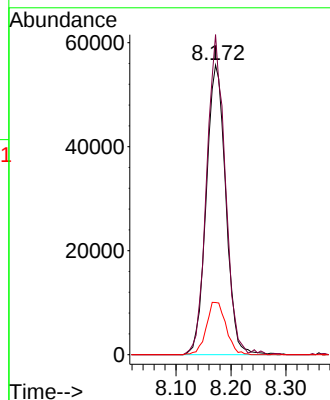
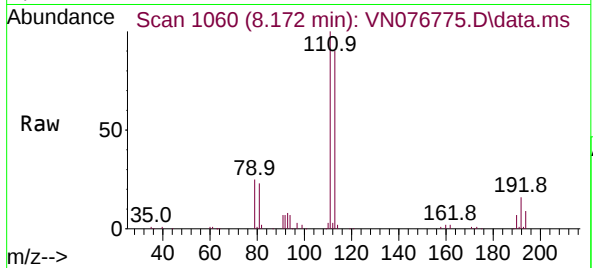
Tgt Ion:	113	Resp:	13738
Ion	Ratio	Lower	Upper
113	100		
111	104.8	83.1	124.7
192	18.2	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#36

1,1-Dichloropropene

Concen: 0.826 ug/l

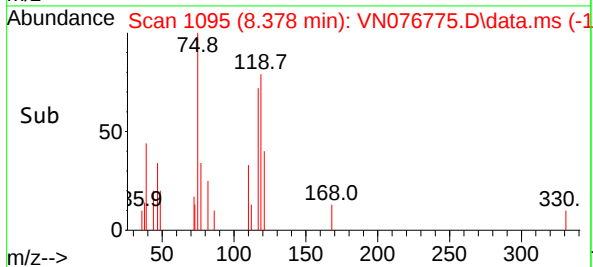
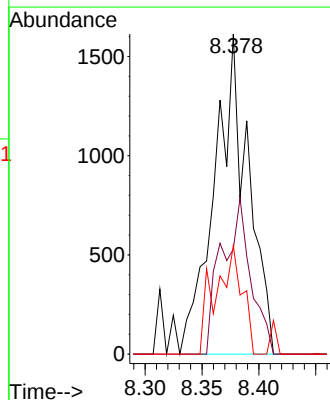
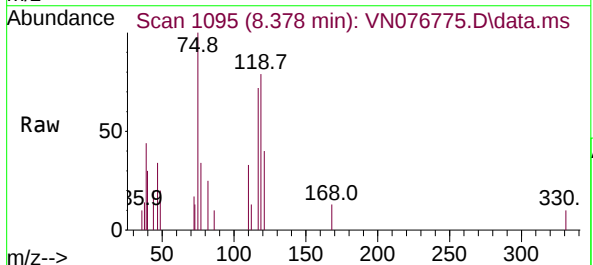
RT: 8.378 min Scan# 1095

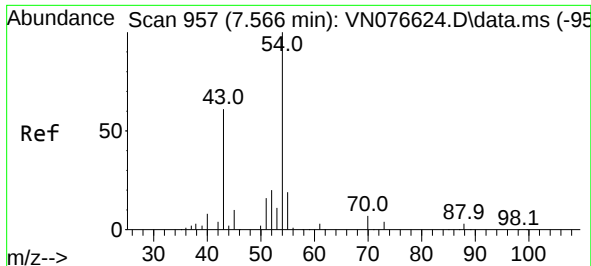
Delta R.T. 0.006 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Tgt Ion:	75	Resp:	3329
Ion	Ratio	Lower	Upper
75	100		
110	41.6	17.5	52.5
77	26.8	24.5	36.7





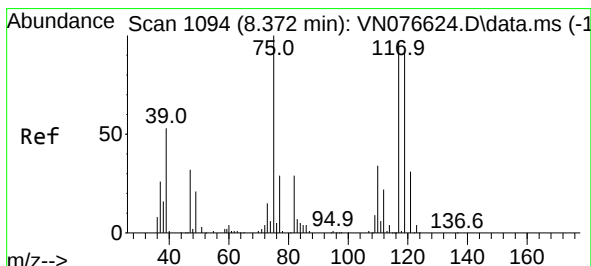
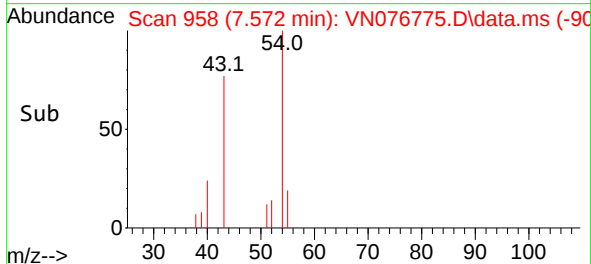
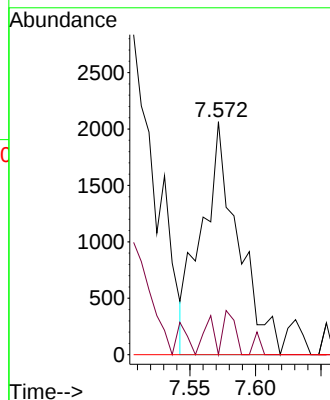
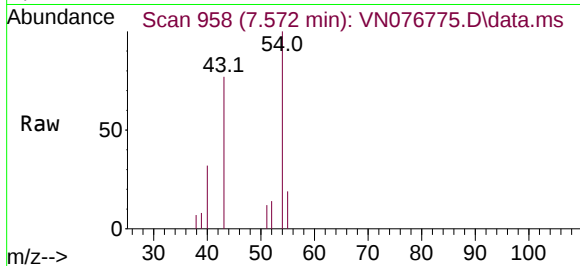
#37
Ethyl Acetate
Concen: 0.942 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 3994
Ion Ratio Lower Upper
43 100
61 6.2 9.9 14.9
70 0.0 7.8 11.6

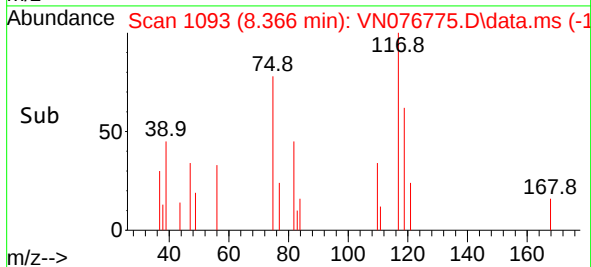
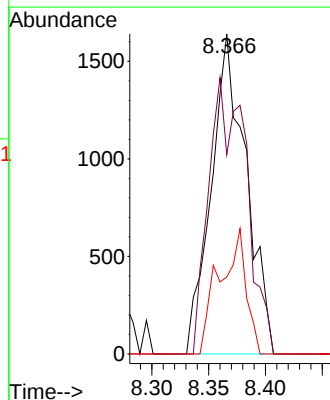
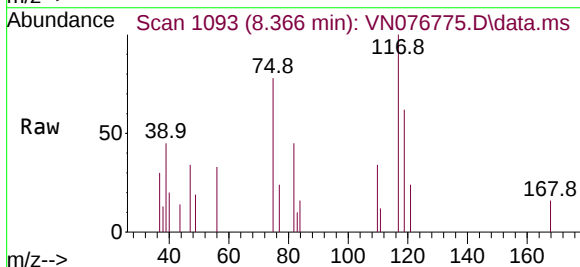
Manual Integrations
APPROVED

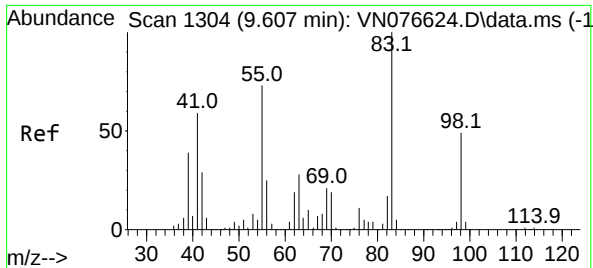
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#38
Carbon Tetrachloride
Concen: 0.862 ug/l
RT: 8.366 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Tgt Ion:117 Resp: 3505
Ion Ratio Lower Upper
117 100
119 62.3 75.4 113.0#
121 24.1 26.0 39.0#





#39

Methylcyclohexane

Concen: 0.591 ug/l

RT: 9.613 min Scan# 1134

Delta R.T. 0.006 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 83 Resp: 2710

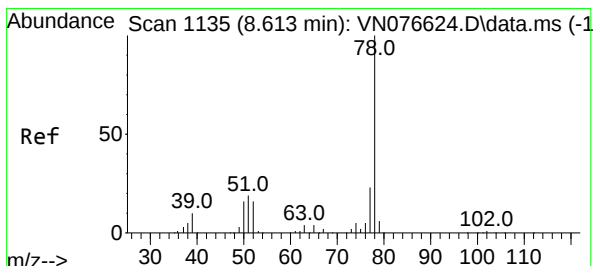
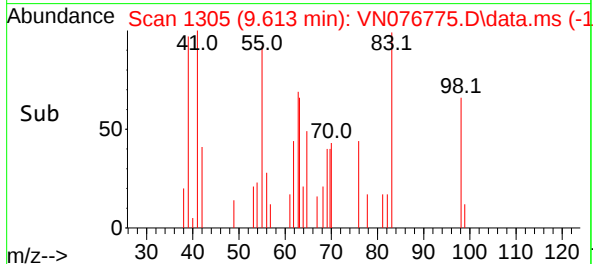
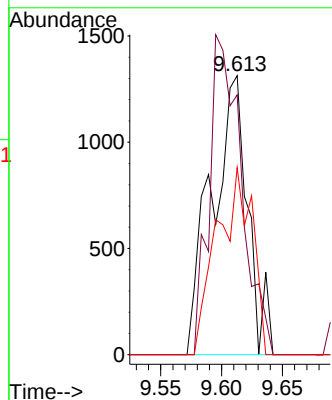
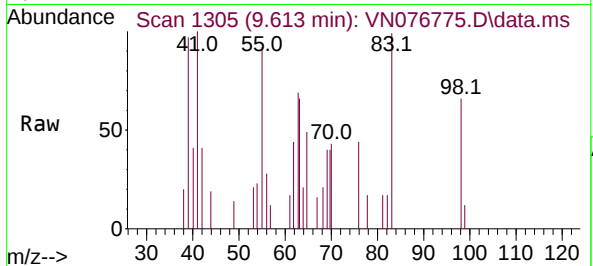
Ion	Ratio	Lower	Upper
83	100		
55	93.1	58.6	88.0
98	67.0	39.4	59.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#40

Benzene

Concen: 0.824 ug/l

RT: 8.607 min Scan# 1134

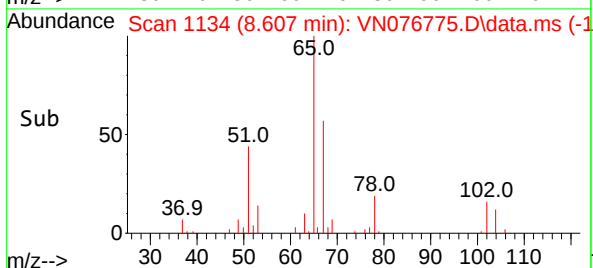
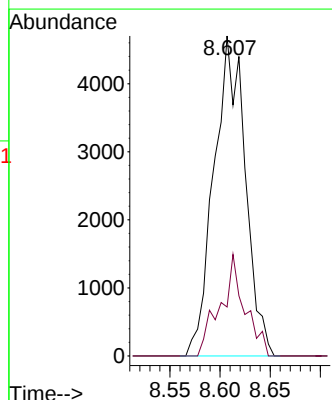
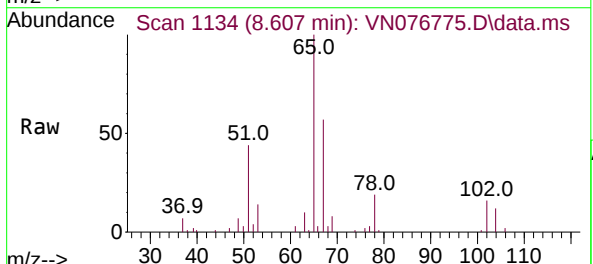
Delta R.T. -0.006 min

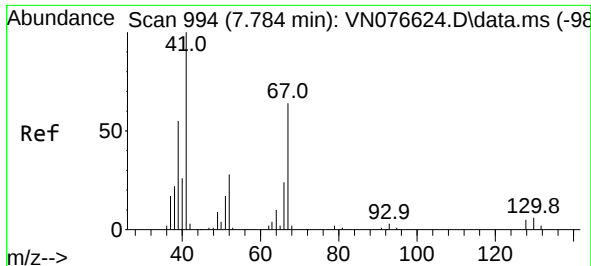
Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Tgt Ion: 78 Resp: 10201

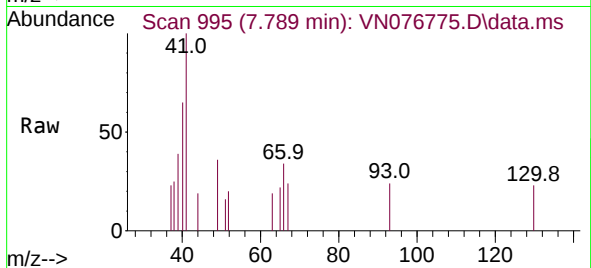
Ion	Ratio	Lower	Upper
78	100		
77	15.3	18.2	27.4





#41
Methacrylonitrile
Concen: 0.973 ug/l
RT: 7.789 min Scan# 995
Delta R.T. 0.005 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

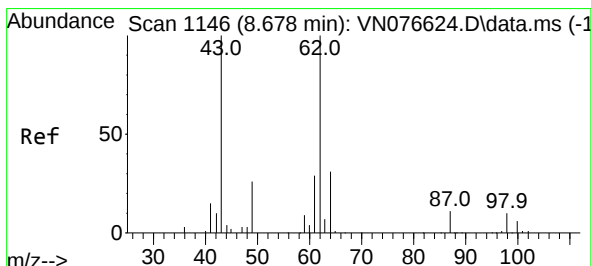
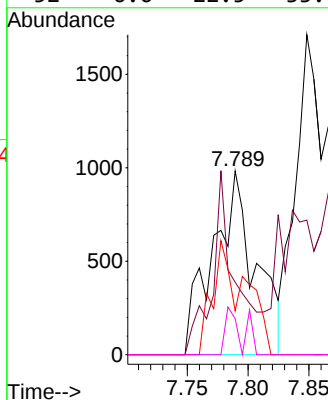
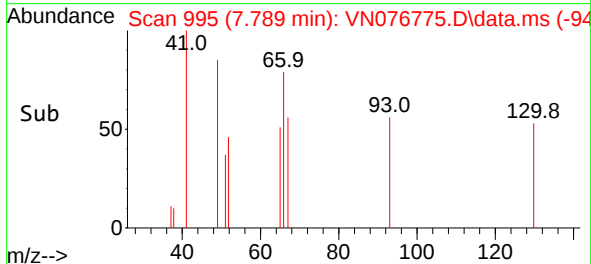
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 41 Resp: 2392
Ion Ratio Lower Upper
41 100
39 52.9 42.6 63.8
67 27.7 51.4 77.0
52 6.6 22.5 33.7#

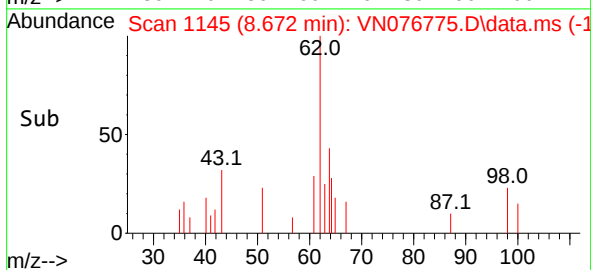
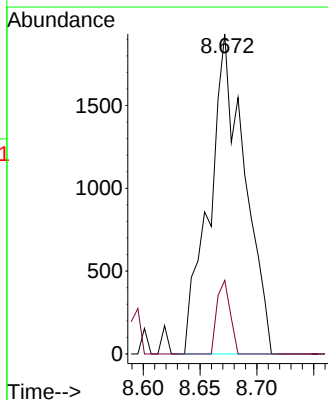
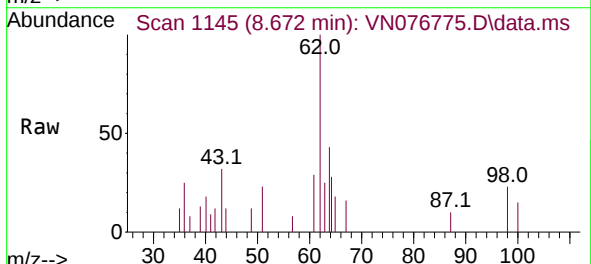
Manual Integrations
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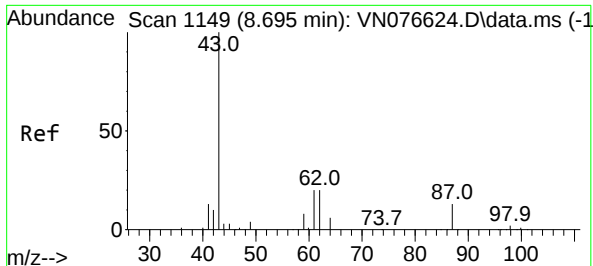
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#42
1,2-Dichloroethane
Concen: 0.961 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Tgt Ion: 62 Resp: 4151
Ion Ratio Lower Upper
62 100
98 8.6 0.0 19.2





#43

Isopropyl Acetate

Concen: 0.846 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 5839

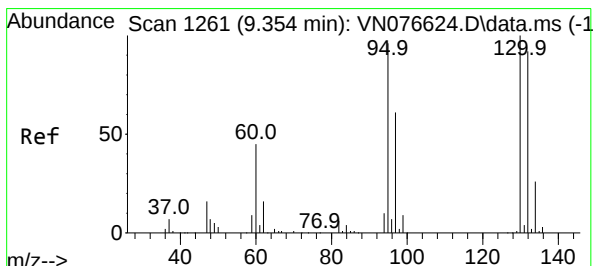
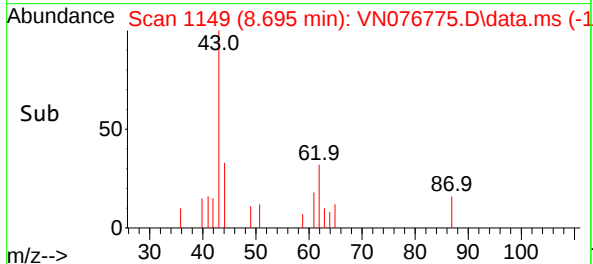
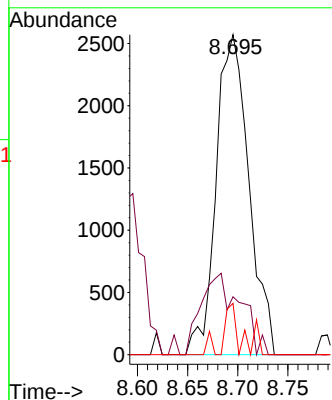
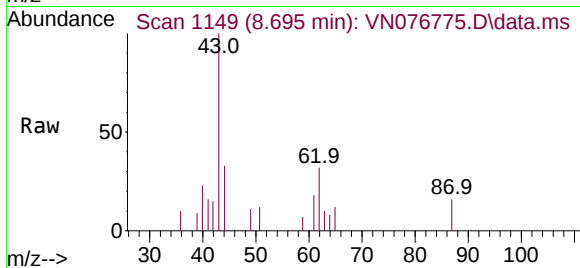
Ion	Ratio	Lower	Upper
43	100		
61	30.6	20.0	30.0
87	5.9	9.9	14.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#44

Trichloroethene

Concen: 0.930 ug/l

RT: 9.354 min Scan# 1261

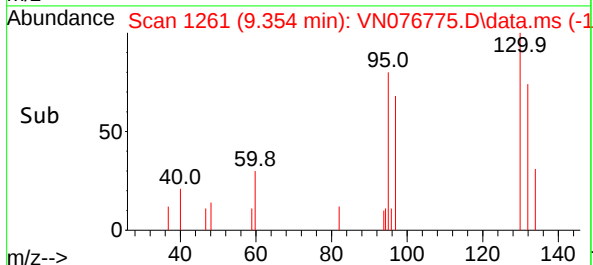
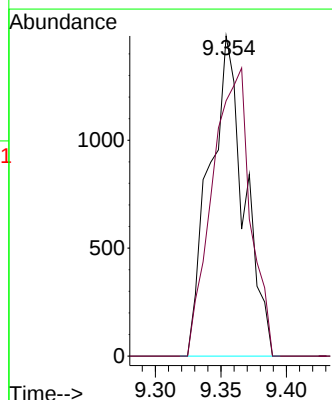
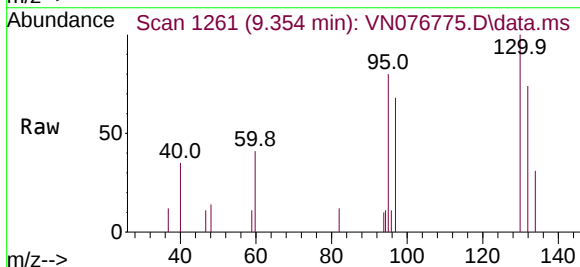
Delta R.T. 0.000 min

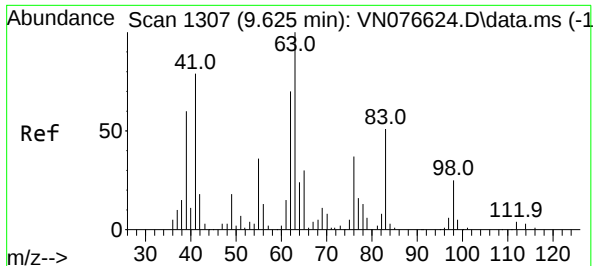
Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Tgt Ion:130 Resp: 2721

Ion	Ratio	Lower	Upper
130	100		
95	79.8	0.0	191.4





#45

1,2-Dichloropropane

Concen: 1.017 ug/l m

RT: 9.613 min Scan# 1305

Delta R.T. -0.012 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Instrument :

MSVOA_N

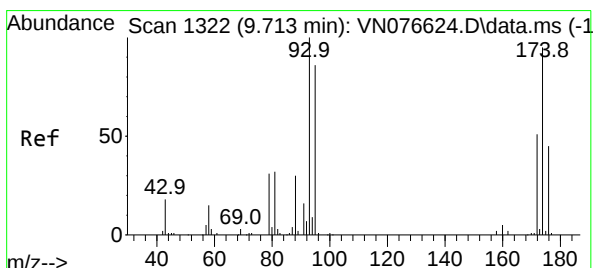
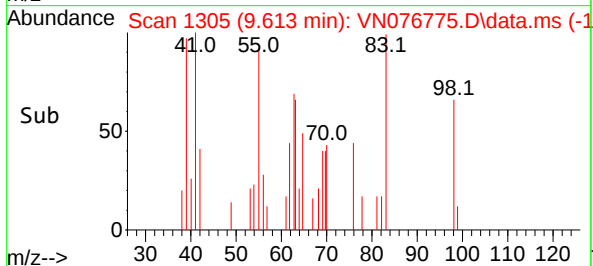
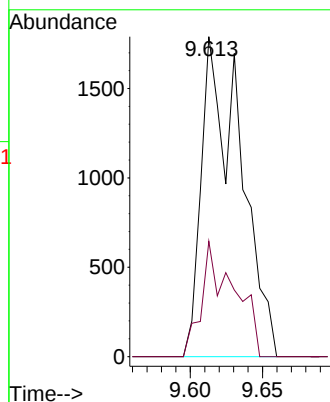
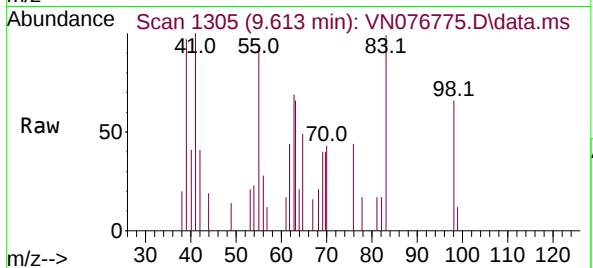
ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 63 Resp: 3334
 Ion Ratio Lower Upper
 63 100
 65 70.8 24.2 36.2

Manual Integrations
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Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#46

Dibromomethane

Concen: 1.094 ug/l

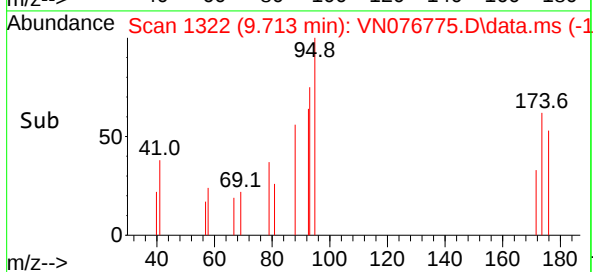
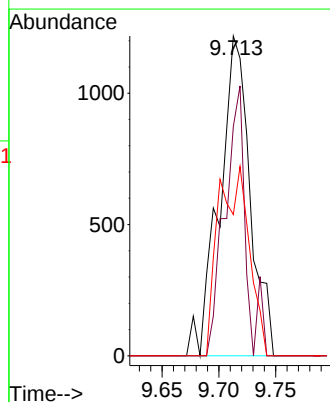
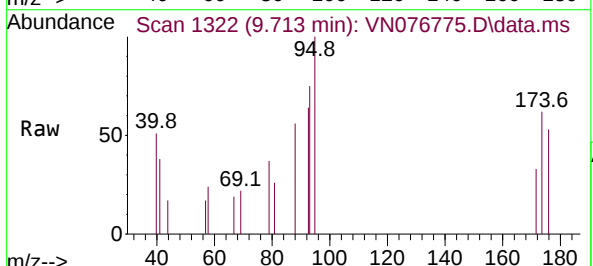
RT: 9.713 min Scan# 1322

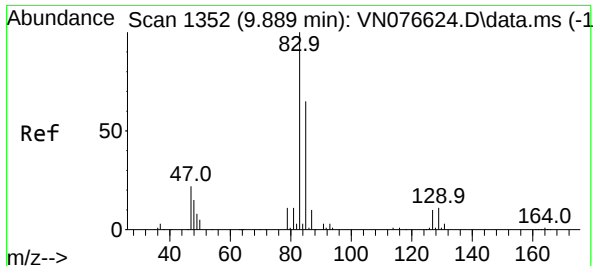
Delta R.T. -0.000 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Tgt Ion: 93 Resp: 2293
 Ion Ratio Lower Upper
 93 100
 95 57.1 66.0 99.0#
 174 59.1 75.8 113.8#





#47

Bromodichloromethane

Concen: 0.802 ug/l

RT: 9.889 min Scan# 1352

Delta R.T. 0.000 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

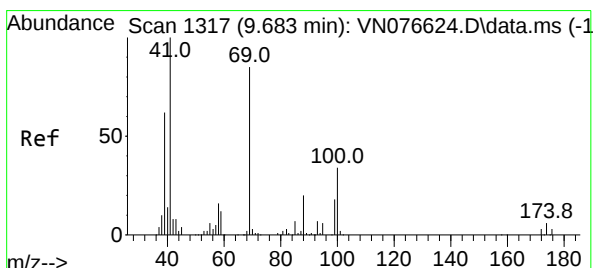
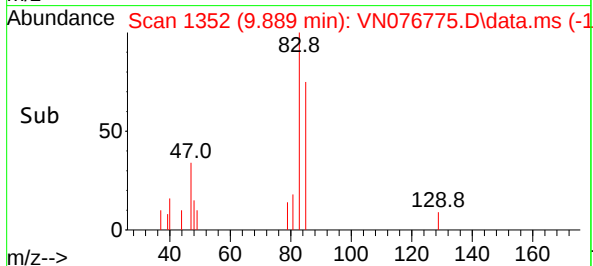
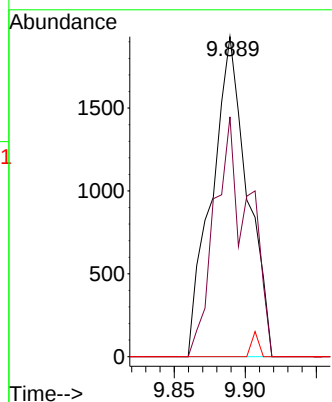
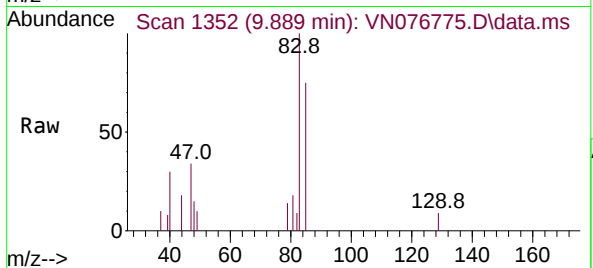
Tgt Ion:	83	Resp:	336
Ion Ratio	Lower	Upper	
83	100		
85	74.9	51.8	77.6
127	0.0	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#48

Methyl methacrylate

Concen: 0.853 ug/l m

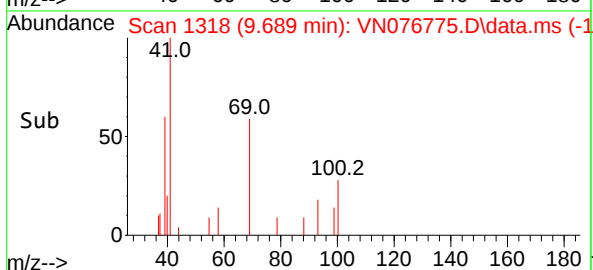
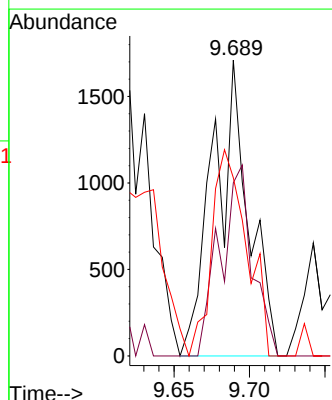
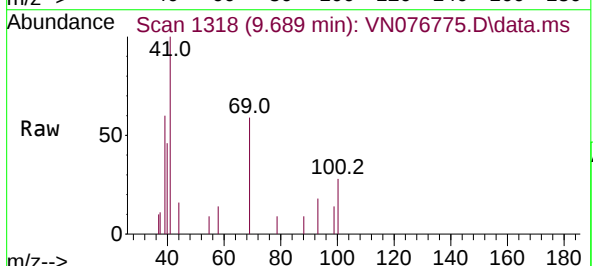
RT: 9.689 min Scan# 1318

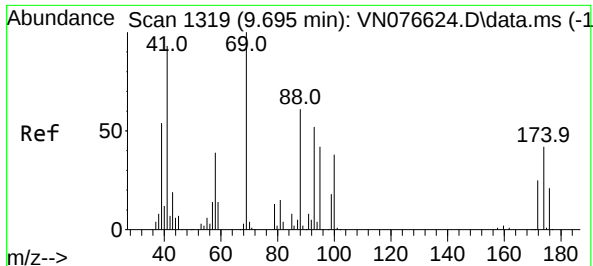
Delta R.T. 0.006 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

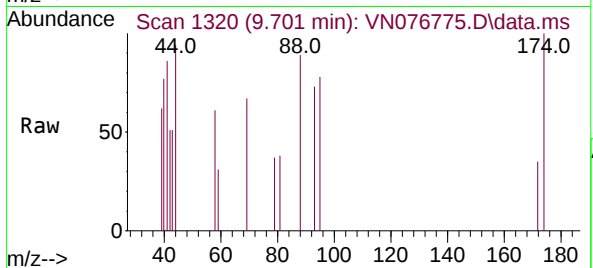
Tgt Ion:	41	Resp:	2794
Ion Ratio	Lower	Upper	
41	100		
69	58.7	65.4	98.0
39	68.5	49.3	73.9





#49
1,4-Dioxane
Concen: 16.819 ug/l
RT: 9.701 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

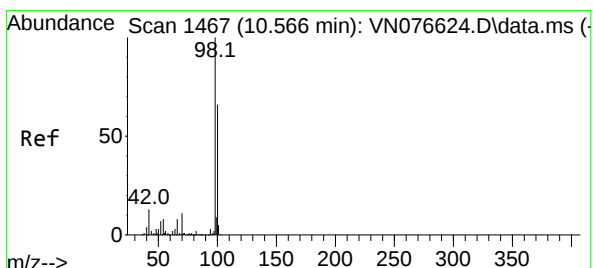
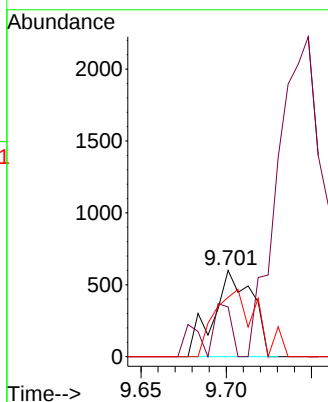
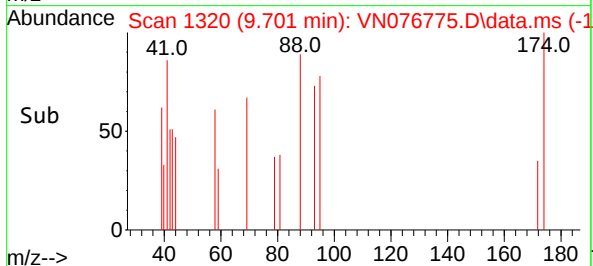
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 88 Resp: 95
Ion Ratio Lower Upper
88 100
43 41.2 22.6 33.8
58 84.5 57.6 86.4

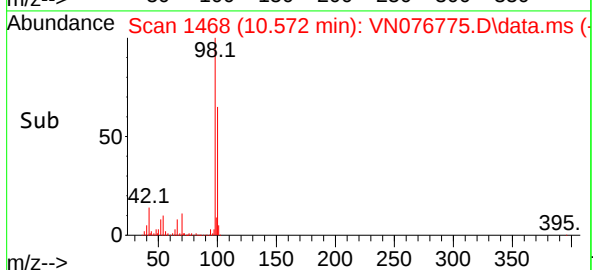
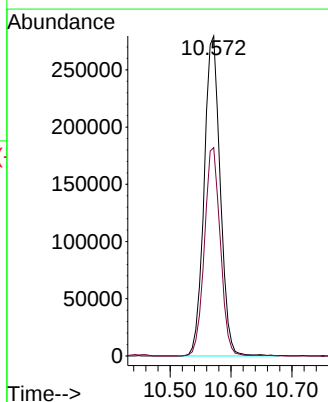
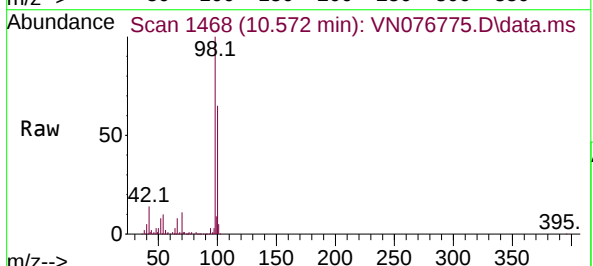
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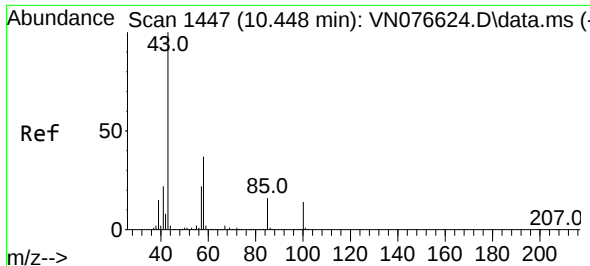
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#50
Toluene-d8
Concen: 49.351 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Tgt Ion: 98 Resp: 514312
Ion Ratio Lower Upper
98 100
100 64.2 52.9 79.3





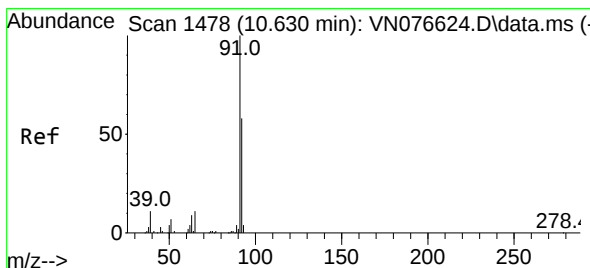
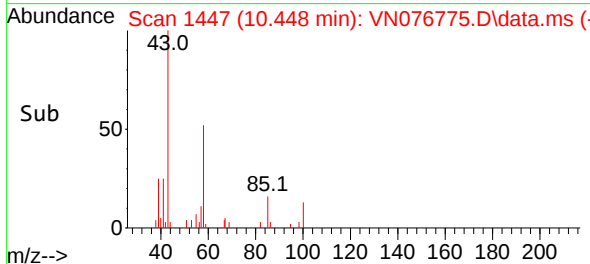
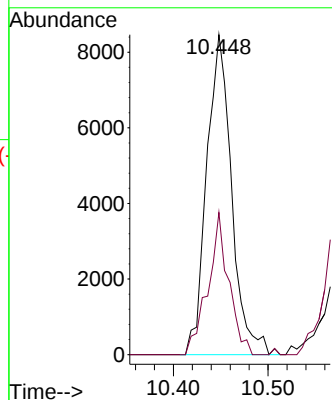
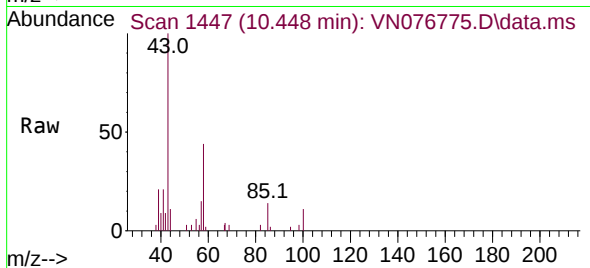
#51
4-Methyl-2-Pentanone
Concen: 3.529 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 15500
Ion Ratio Lower Upper
43 100
58 36.9 29.5 44.3

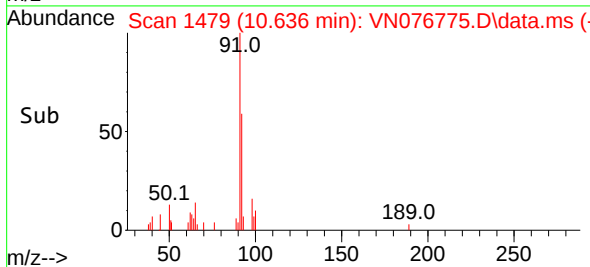
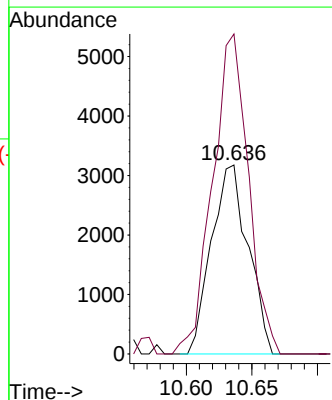
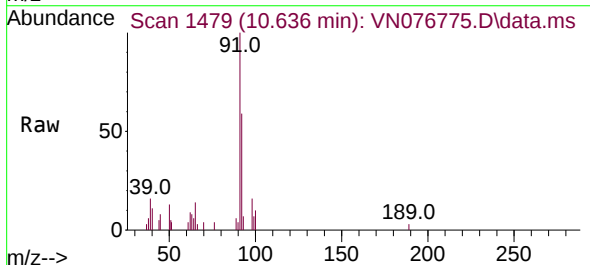
Manual Integrations
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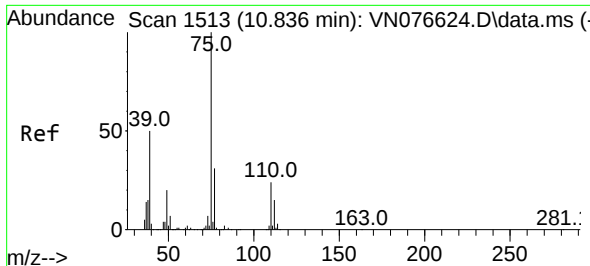
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#52
Toluene
Concen: 0.827 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

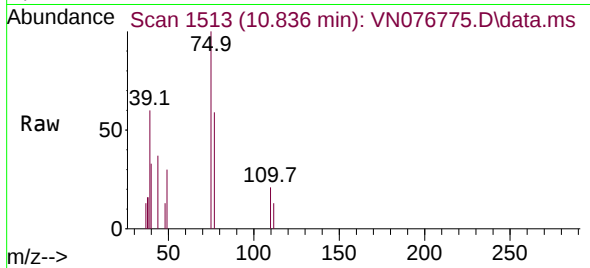
Tgt Ion: 92 Resp: 6185
Ion Ratio Lower Upper
92 100
91 165.3 138.0 207.0





#53
t-1,3-Dichloropropene
Concen: 0.744 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

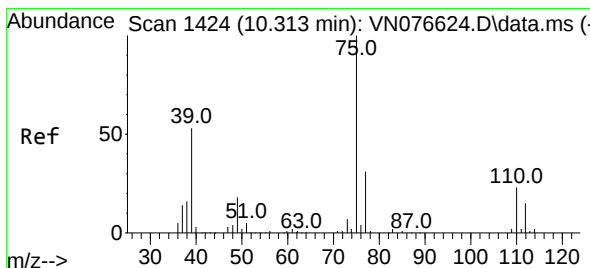
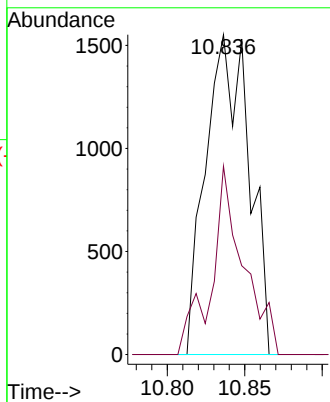
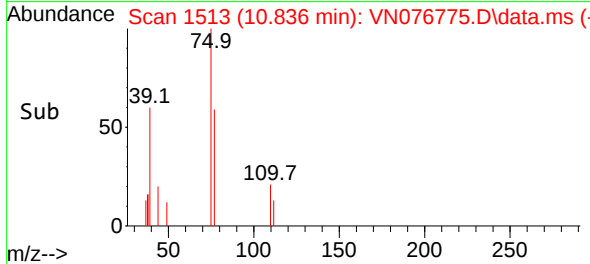
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



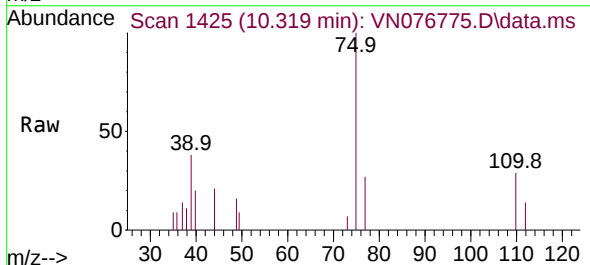
Tgt Ion: 75 Resp: 3015
Ion Ratio Lower Upper
75 100
77 58.9 24.6 37.0

Manual Integrations
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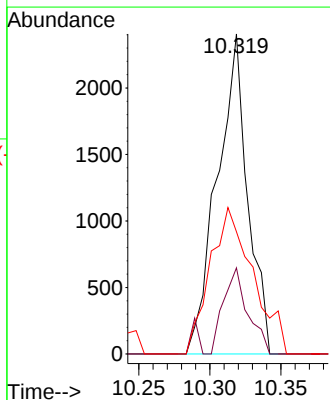
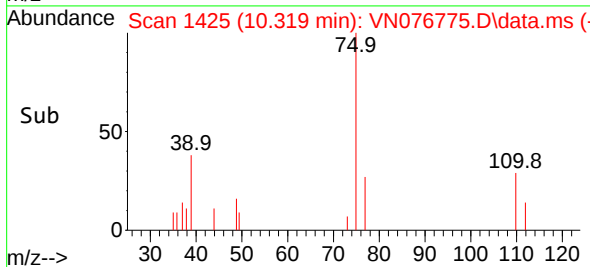
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

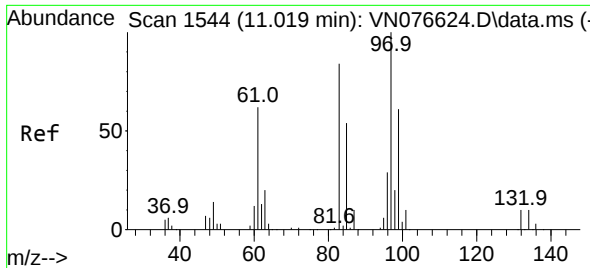


#54
cis-1,3-Dichloropropene
Concen: 0.765 ug/l
RT: 10.319 min Scan# 1425
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



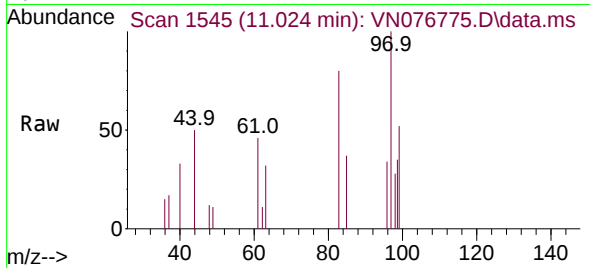
Tgt Ion: 75 Resp: 3580
Ion Ratio Lower Upper
75 100
77 26.9 25.1 37.7
39 38.2 42.3 63.5





#55
1,1,2-Trichloroethane
Concen: 0.872 ug/l
RT: 11.024 min Scan# 1544
Delta R.T. 0.005 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

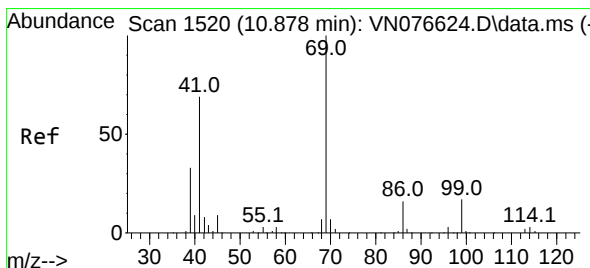
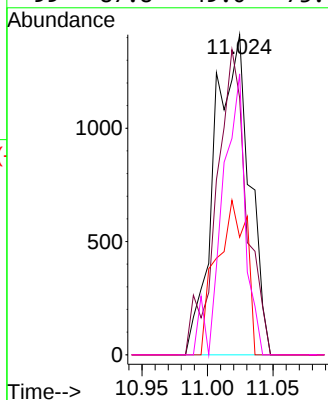
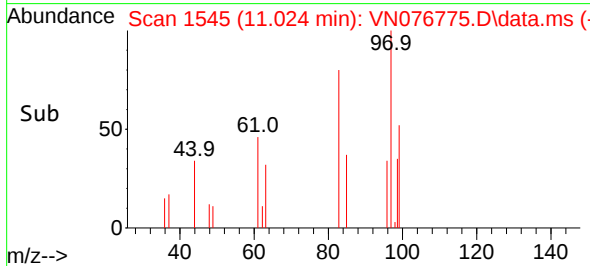
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



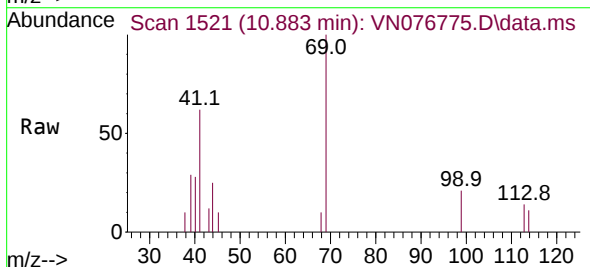
Tgt Ion:	97	Resp:	2650
Ion Ratio	Lower	Upper	
97	100		
83	80.3	67.3	100.9
85	36.7	43.2	64.8
99	87.8	49.0	73.4

Manual Integrations
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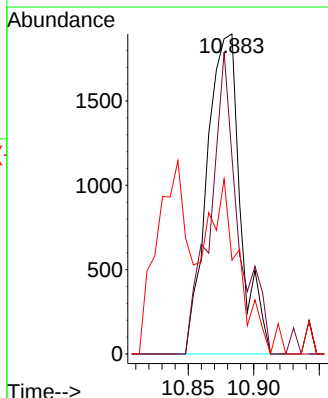
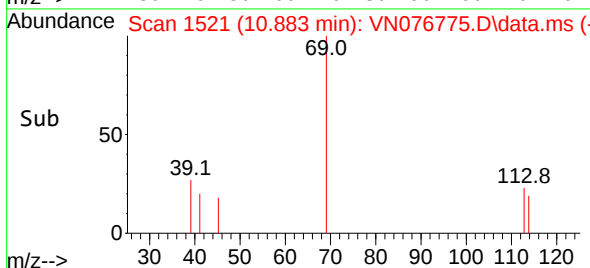
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

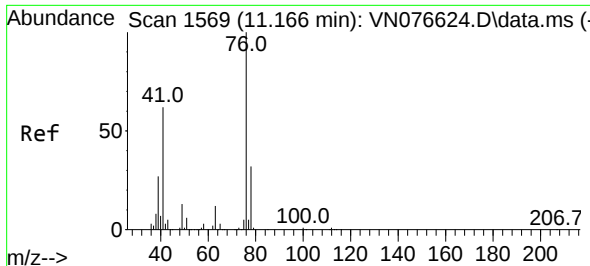


#56
Ethyl methacrylate
Concen: 0.786 ug/l
RT: 10.883 min Scan# 1521
Delta R.T. 0.005 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



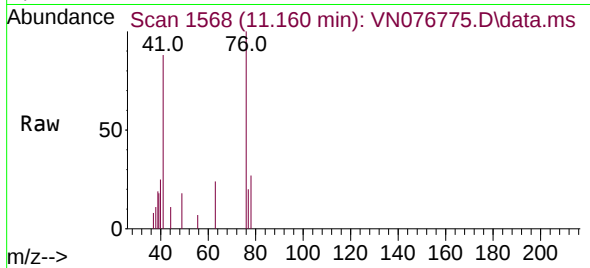
Tgt Ion:	69	Resp:	3363
Ion Ratio	Lower	Upper	
69	100		
41	80.2	55.1	82.7
39	52.2	30.7	46.1





#57
1,3-Dichloropropane
Concen: 0.826 ug/l
RT: 11.160 min Scan# 1569
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

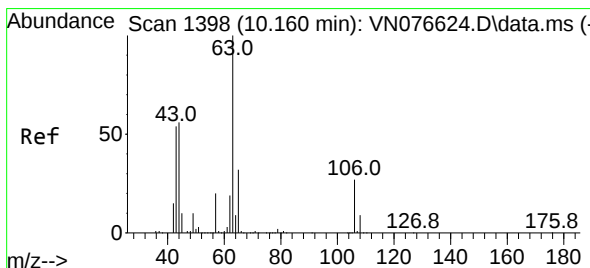
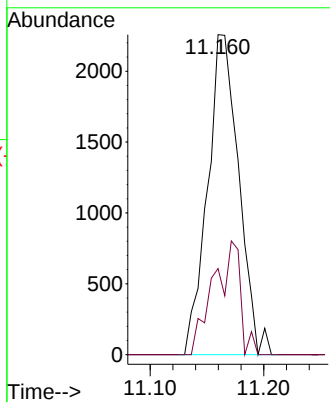
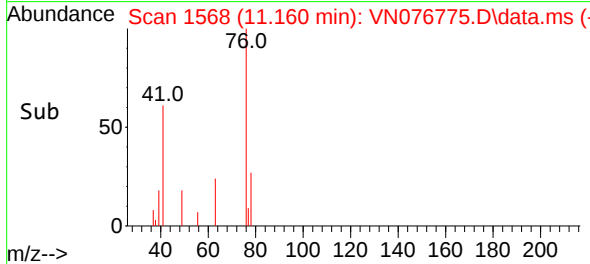
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 76 Resp: 431
Ion Ratio Lower Upper
76 100
78 30.7 26.1 39.1

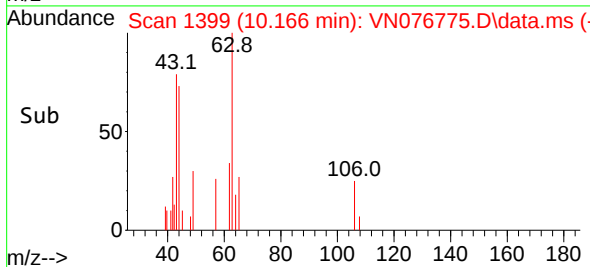
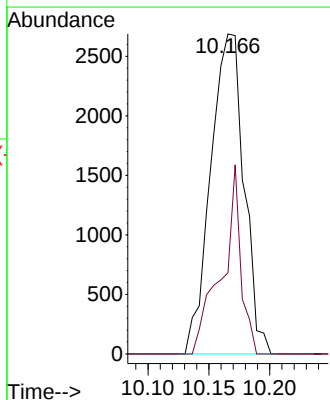
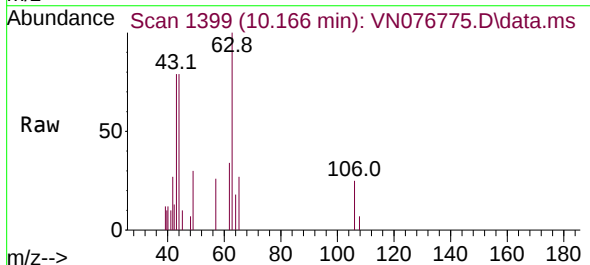
Manual Integrations
APPROVED

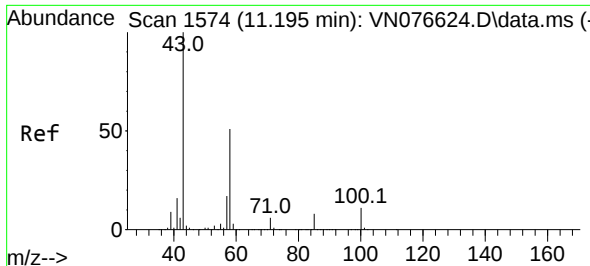
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#58
2-Chloroethyl Vinyl ether
Concen: 2.615 ug/l
RT: 10.166 min Scan# 1399
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

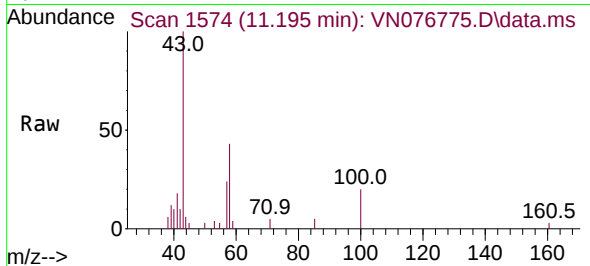
Tgt Ion: 63 Resp: 5124
Ion Ratio Lower Upper
63 100
106 33.9 22.3 33.5#





#59
2-Hexanone
Concen: 3.568 ug/l
RT: 11.195 min Scan# 11300
Delta R.T. 0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

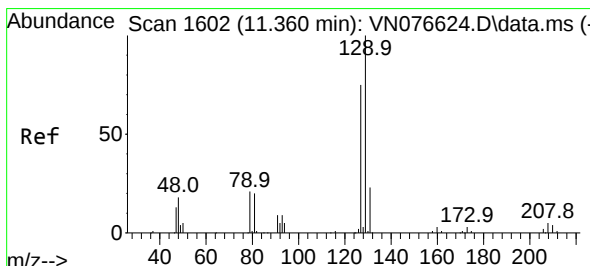
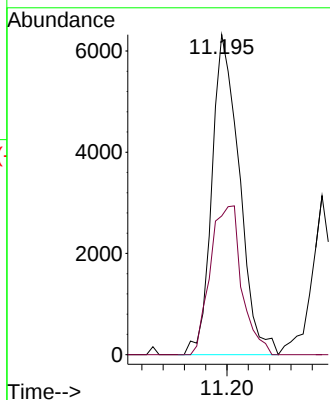
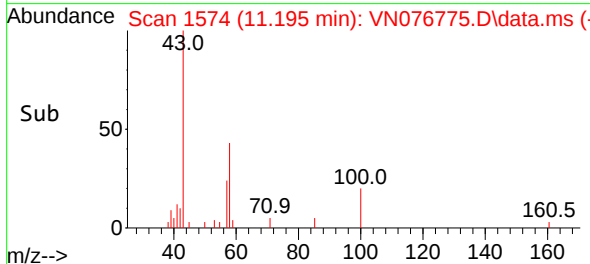
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



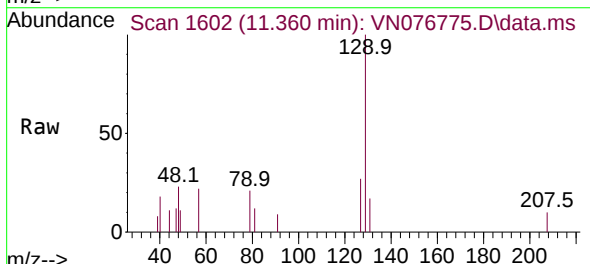
Tgt Ion: 43 Resp: 11300
Ion Ratio Lower Upper
43 100
58 53.2 25.4 76.0

Manual Integrations
APPROVED

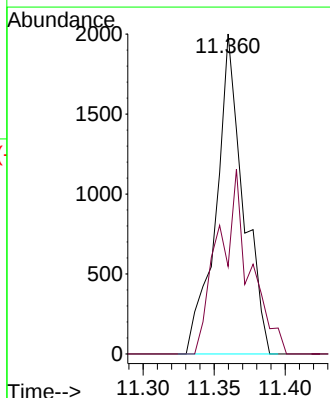
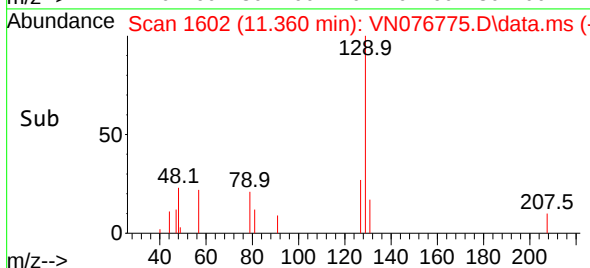
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

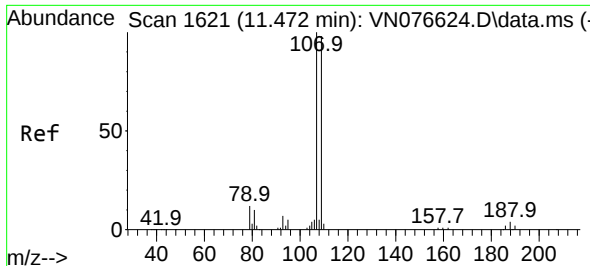


#60
Dibromochloromethane
Concen: 0.834 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



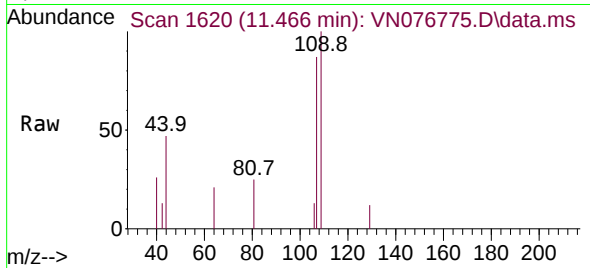
Tgt Ion:129 Resp: 2671
Ion Ratio Lower Upper
129 100
127 66.1 38.8 116.4





#61
1,2-Dibromoethane
Concen: 0.646 ug/l
RT: 11.466 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

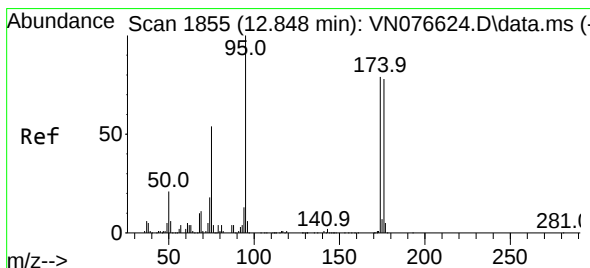
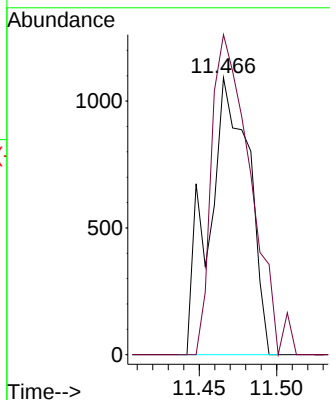
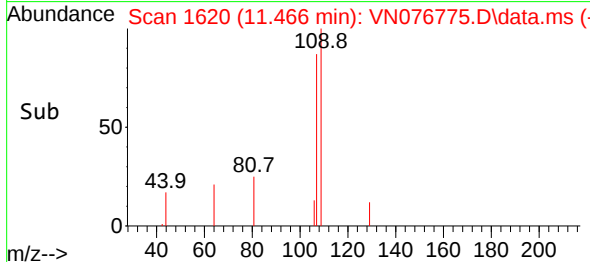
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



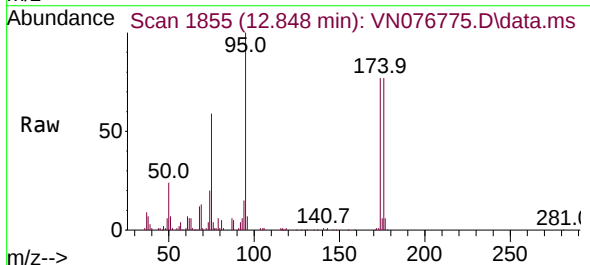
Tgt Ion:107 Resp: 196
Ion Ratio Lower Upper
107 100
109 112.0 76.8 115.2

Manual Integrations
APPROVED

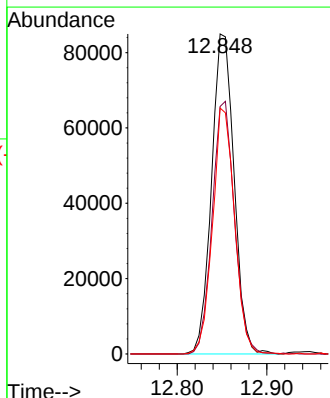
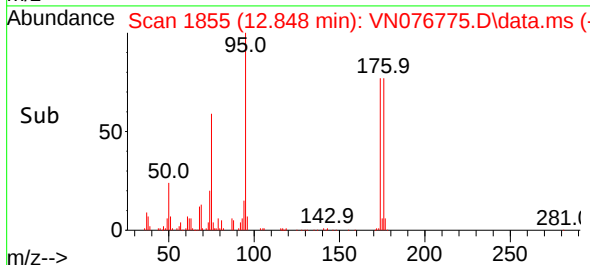
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

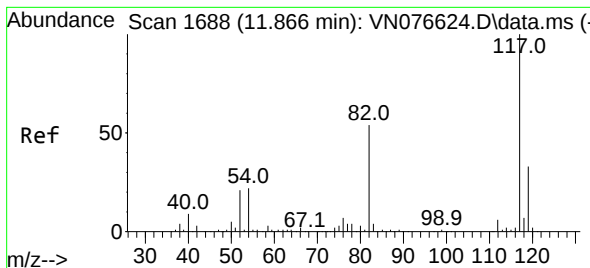


#62
4-Bromofluorobenzene
Concen: 42.900 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



Tgt Ion: 95 Resp: 148076
Ion Ratio Lower Upper
95 100
174 78.0 0.0 169.2
176 75.0 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.866 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion:117 Resp: 37155

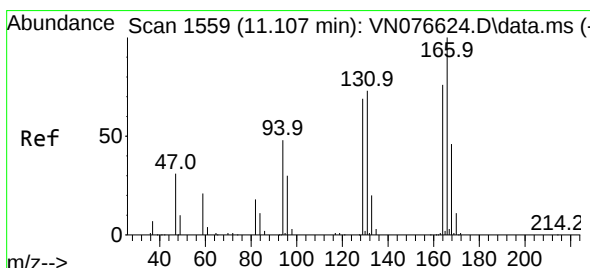
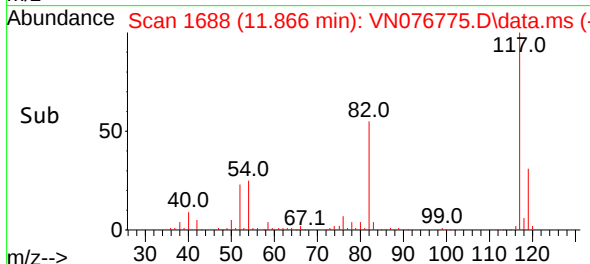
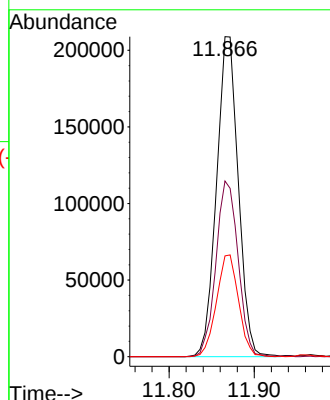
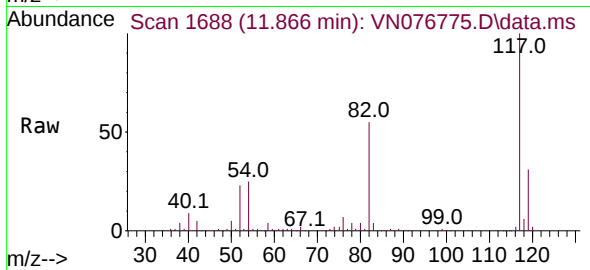
Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.4	65.2
119	31.5	26.1	39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#64

Tetrachloroethene

Concen: 0.799 ug/l

RT: 11.101 min Scan# 1558

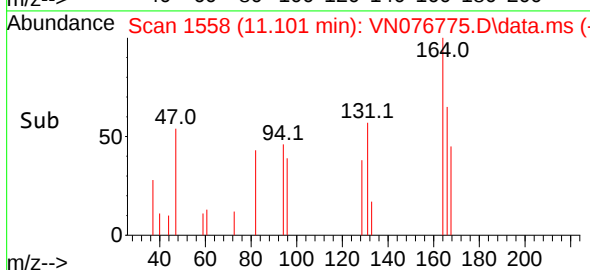
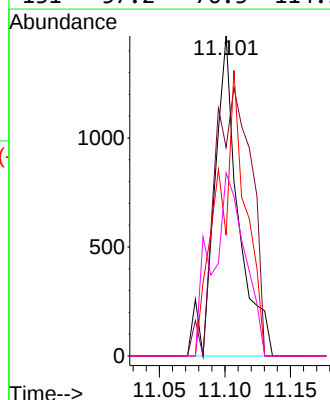
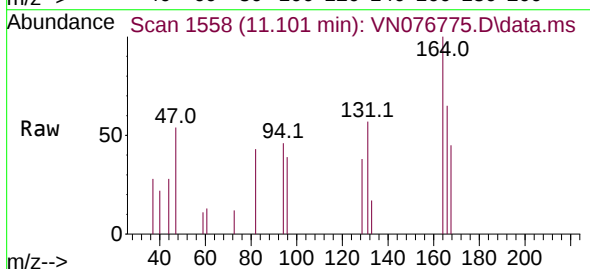
Delta R.T. -0.006 min

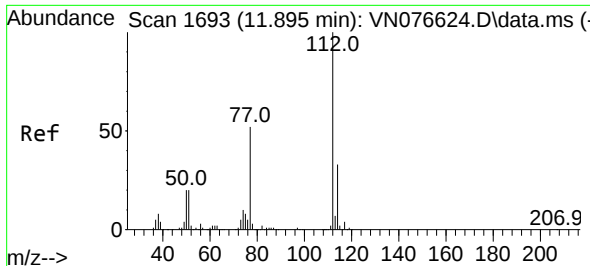
Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Tgt Ion:164 Resp: 1870

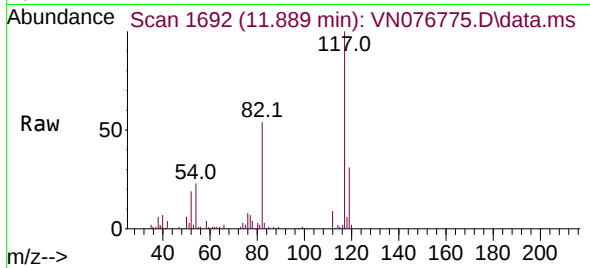
Ion	Ratio	Lower	Upper
164	100		
166	65.2	104.8	157.2#
129	37.7	72.2	108.2#
131	57.2	76.3	114.5#





#65
Chlorobenzene
Concen: 0.872 ug/l
RT: 11.889 min Scan# 1692
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

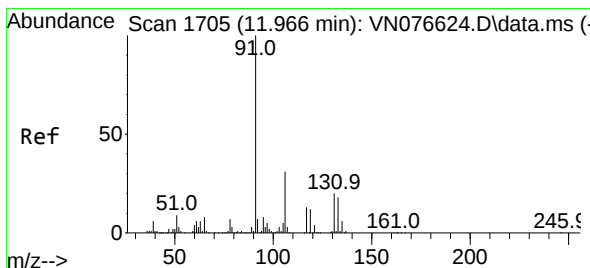
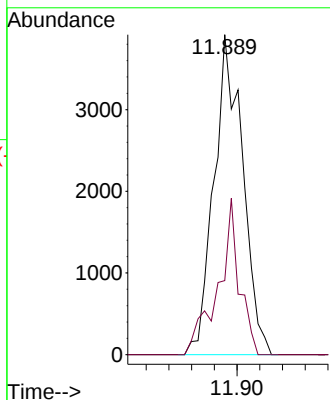
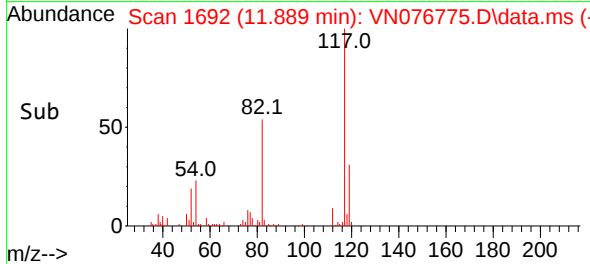
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



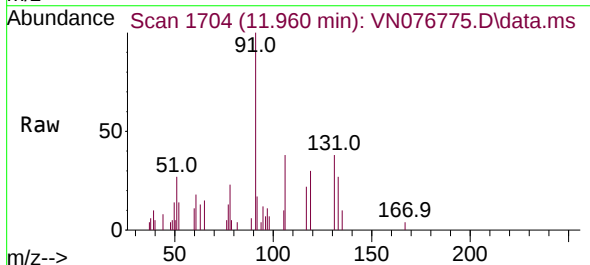
Tgt Ion:112 Resp: 6870
Ion Ratio Lower Upper
112 100
114 23.1 26.4 39.6

Manual Integrations
APPROVED

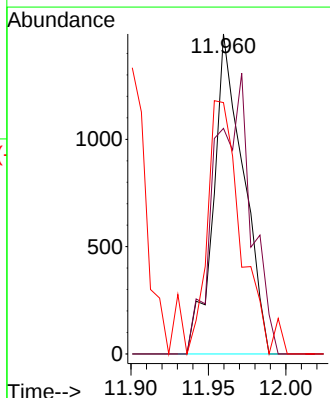
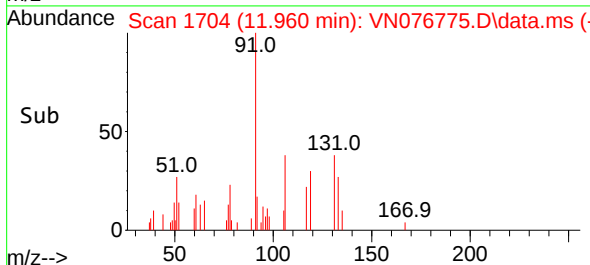
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

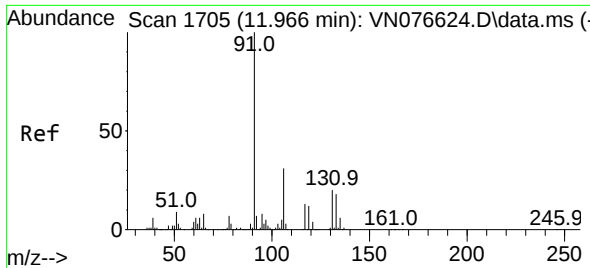


#66
1,1,1,2-Tetrachloroethane
Concen: 0.700 ug/l
RT: 11.960 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



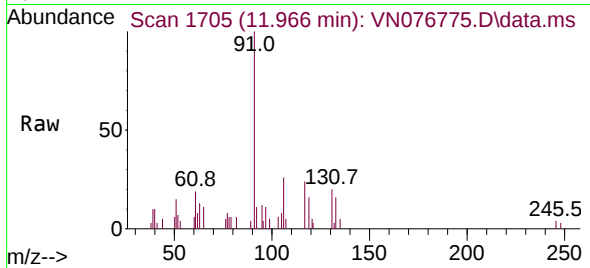
Tgt Ion:131 Resp: 2002
Ion Ratio Lower Upper
131 100
133 106.4 47.0 141.0
119 0.0 32.3 96.8





#67
Ethyl Benzene
Concen: 0.725 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

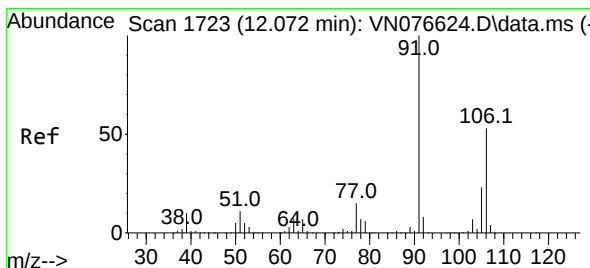
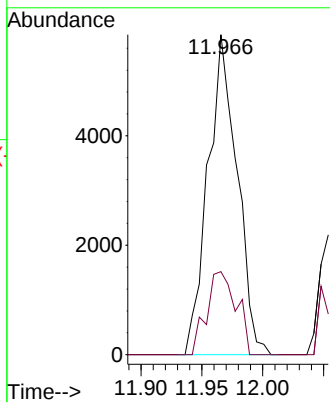
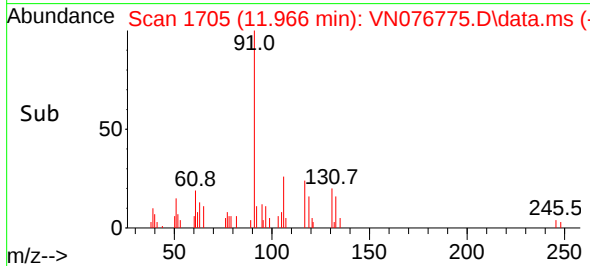
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023



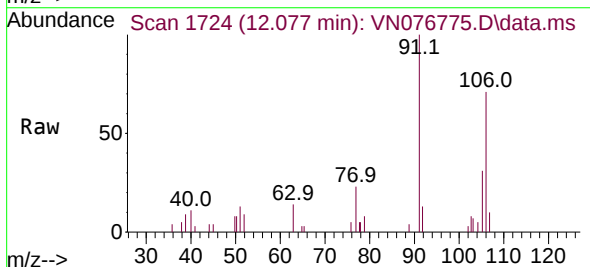
Tgt Ion: 91 Resp: 9730
Ion Ratio Lower Upper
91 100
106 26.0 25.1 37.7

Manual Integrations
APPROVED

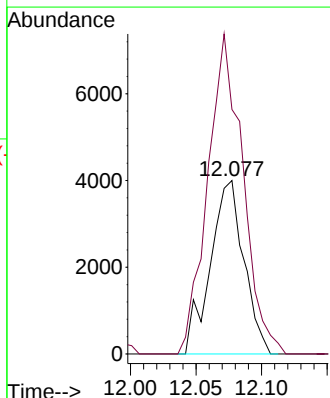
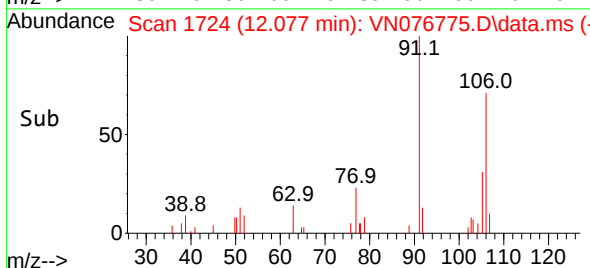
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

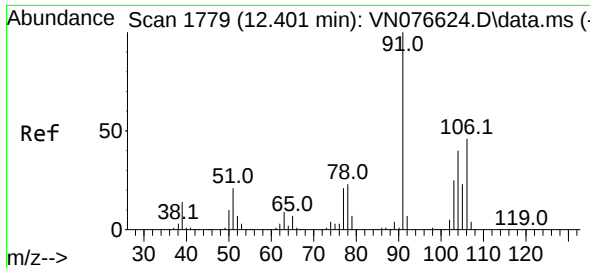


#68
m/p-Xylenes
Concen: 1.377 ug/l
RT: 12.077 min Scan# 1724
Delta R.T. 0.005 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



Tgt Ion:106 Resp: 7121
Ion Ratio Lower Upper
106 100
91 193.0 154.7 232.1





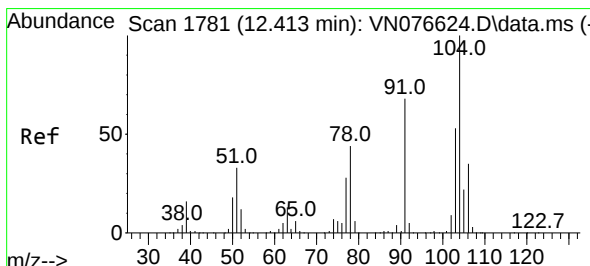
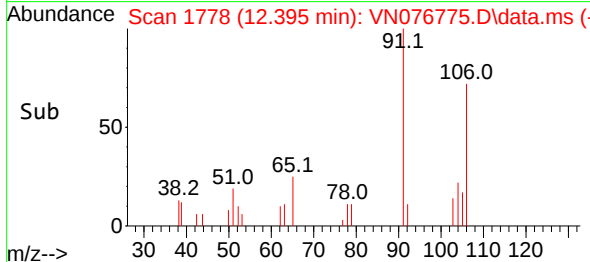
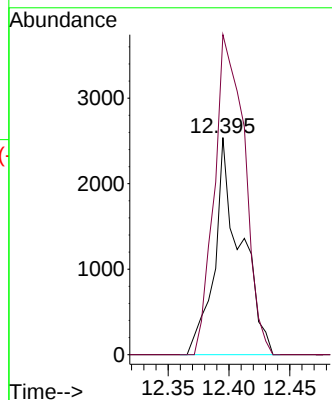
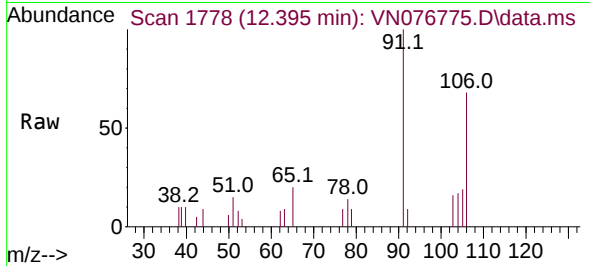
#69
o-Xylene
Concen: 0.752 ug/l
RT: 12.395 min Scan# 1778
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion:106 Resp: 379
Ion Ratio Lower Upper
106 100
91 170.3 105.8 317.4

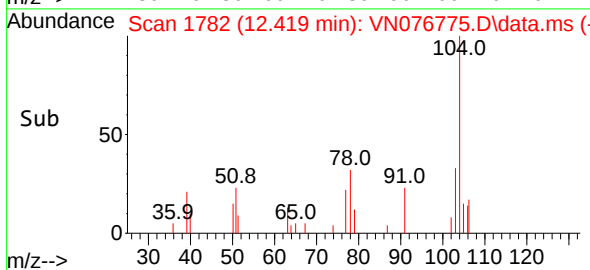
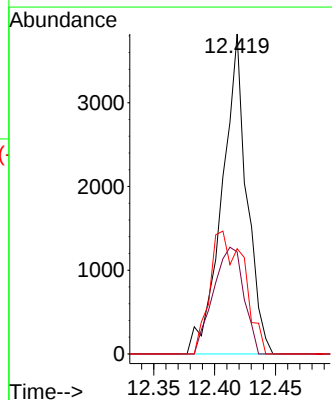
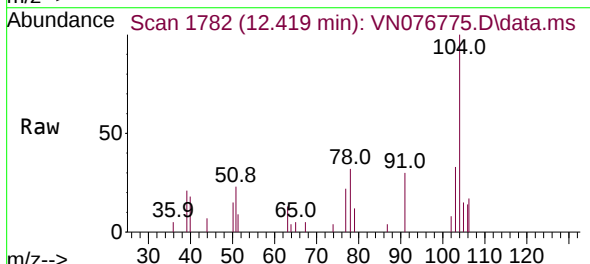
Manual Integrations
APPROVED

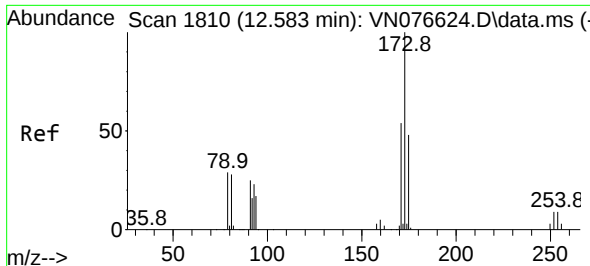
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#70
Styrene
Concen: 0.663 ug/l
RT: 12.419 min Scan# 1782
Delta R.T. 0.005 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

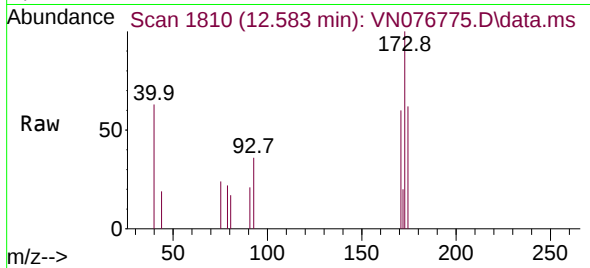
Tgt Ion:104 Resp: 5409
Ion Ratio Lower Upper
104 100
78 41.0 38.2 57.4
103 52.7 44.2 66.4





#71
Bromoform
Concen: 0.603 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

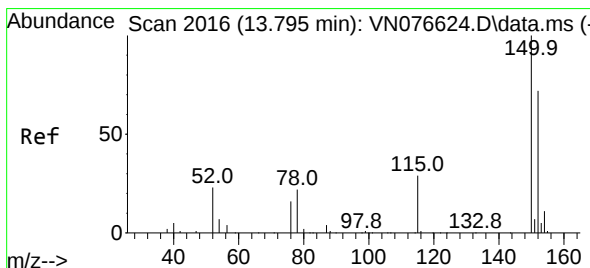
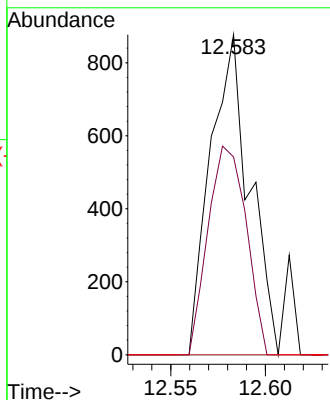
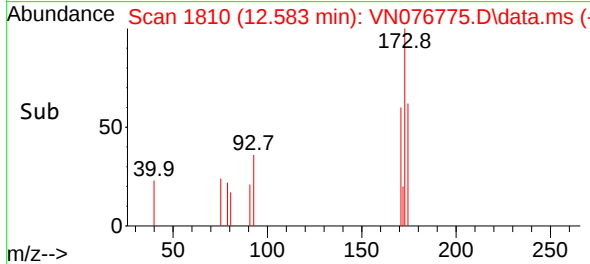
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



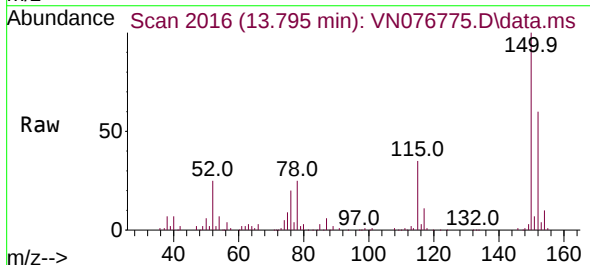
Tgt Ion:173 Resp: 126
Ion Ratio Lower Upper
173 100
175 63.5 24.9 74.7
254 0.0 0.1 0.1

Manual Integrations
APPROVED

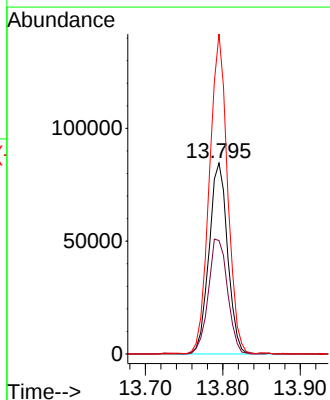
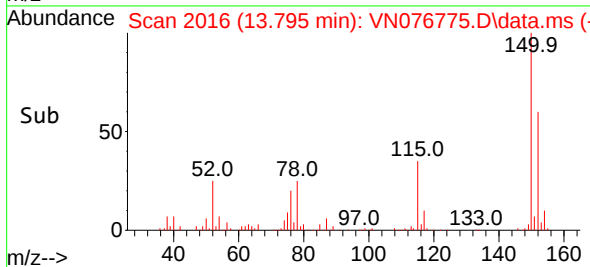
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

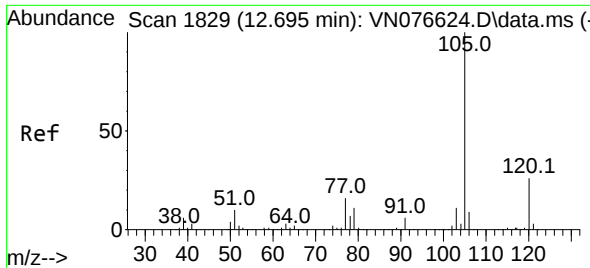


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



Tgt Ion:152 Resp: 140919
Ion Ratio Lower Upper
152 100
115 62.3 29.3 87.9
150 163.2 0.0 349.8





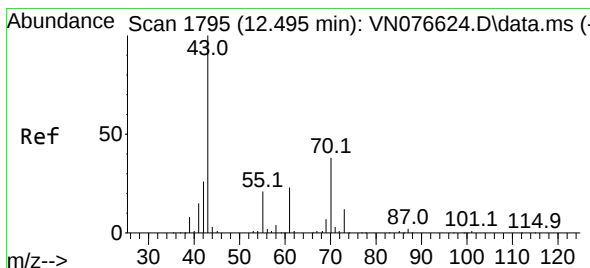
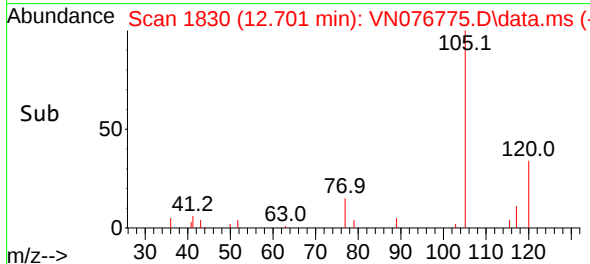
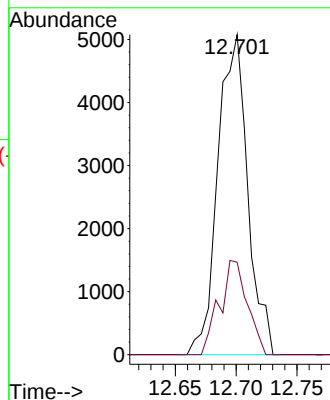
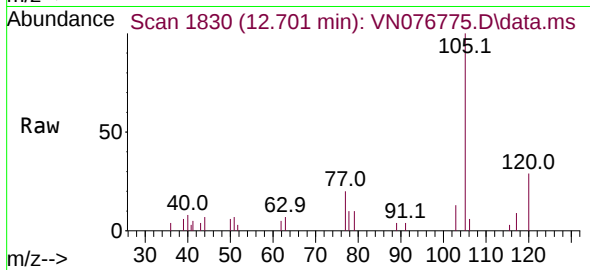
#73
Isopropylbenzene
Concen: 0.837 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion:105 Resp: 864
Ion Ratio Lower Upper
105 100
120 27.4 13.7 41.0

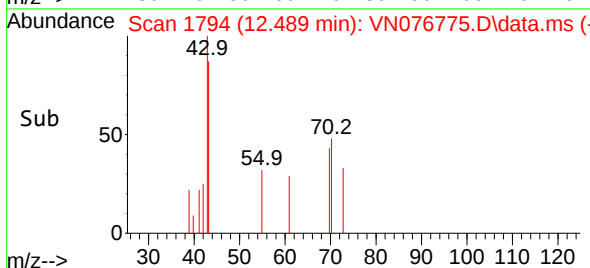
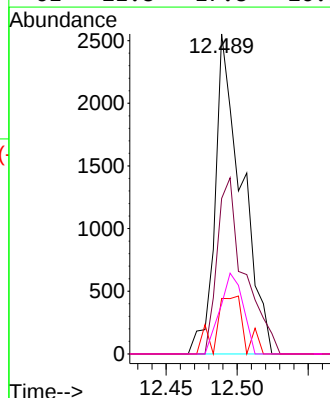
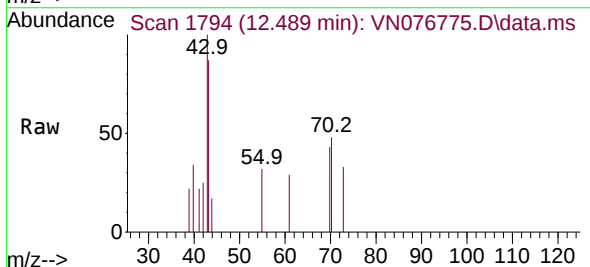
Manual Integrations
APPROVED

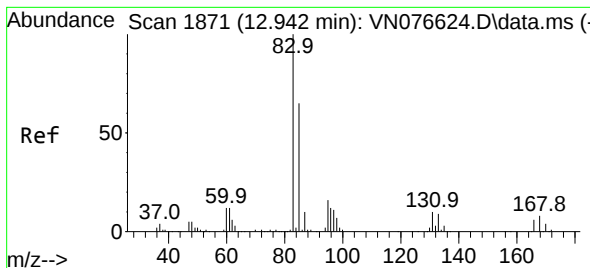
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#74
N-ethyl acetate
Concen: 0.714 ug/l
RT: 12.489 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

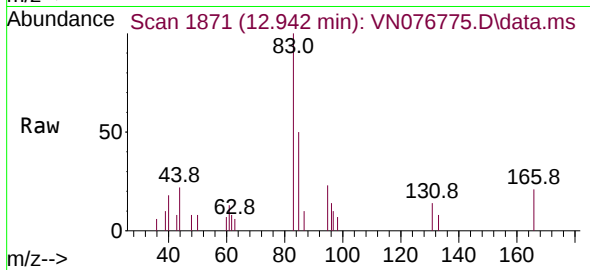
Tgt Ion: 43 Resp: 3322
Ion Ratio Lower Upper
43 100
70 55.9 30.5 45.7#
55 19.0 17.8 26.8
61 21.8 17.8 26.8





#75
1,1,2,2-Tetrachloroethane
Concen: 1.215 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

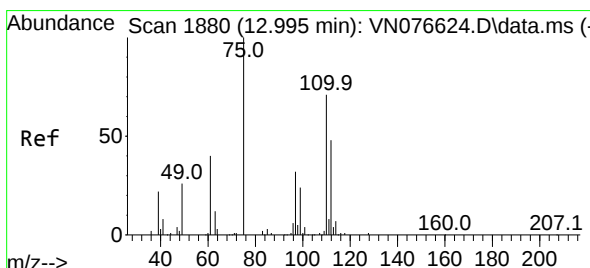
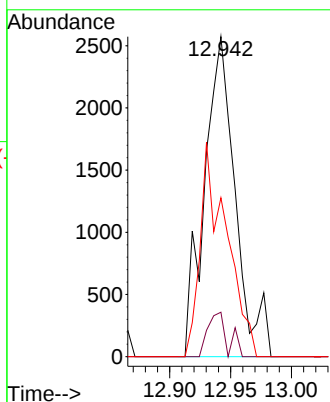
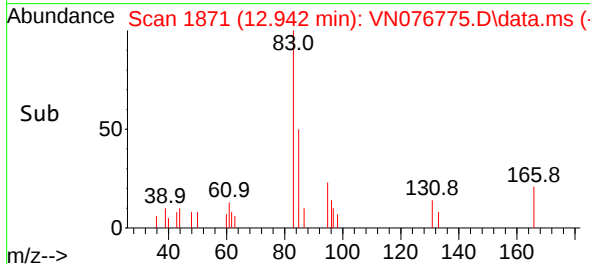
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023



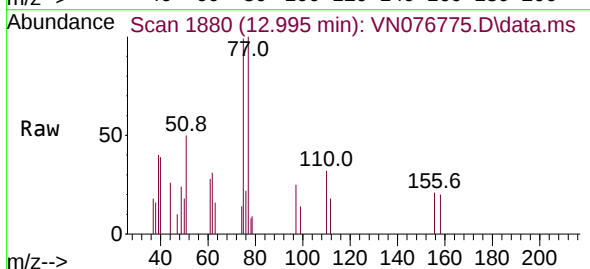
Tgt Ion: 83 Resp: 454
Ion Ratio Lower Upper
83 100
131 8.8 5.0 15.0
85 57.1 31.8 95.3

Manual Integrations
APPROVED

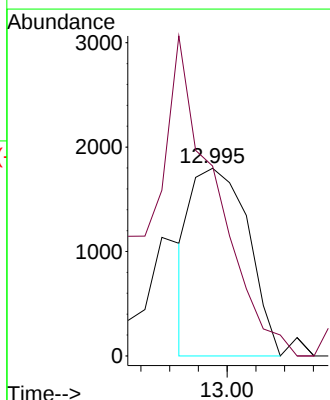
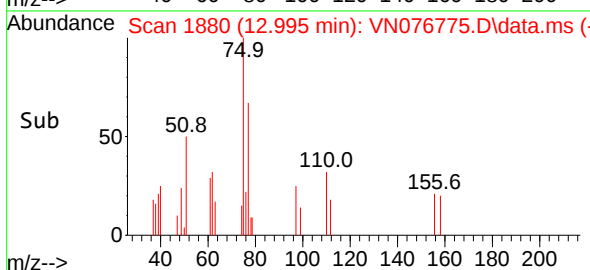
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

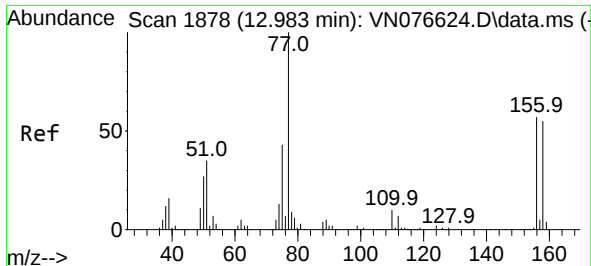


#76
1,2,3-Trichloropropane
Concen: 0.867 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



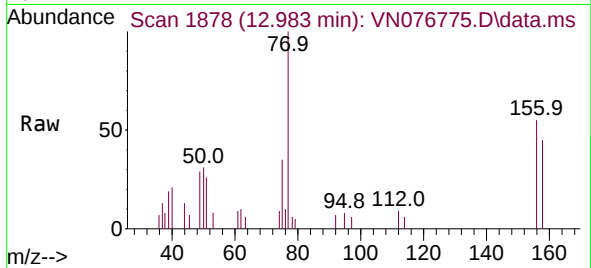
Tgt Ion: 75 Resp: 2470
Ion Ratio Lower Upper
75 100
77 199.1 93.1 279.3





#77
Bromobenzene
Concen: 0.961 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

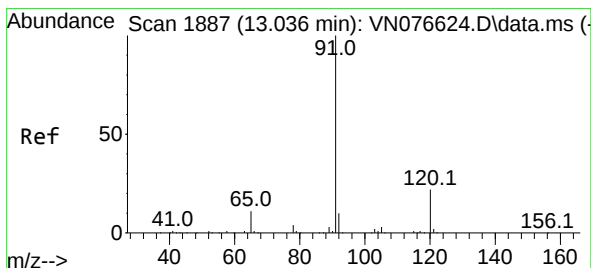
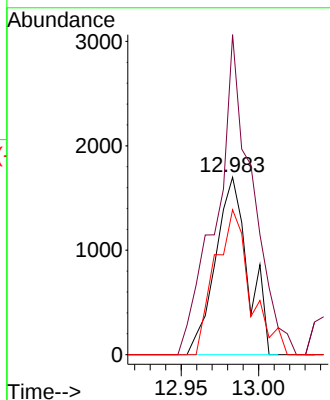
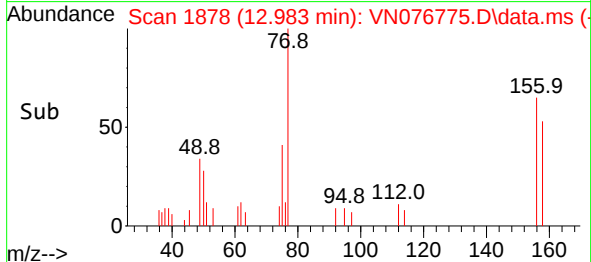
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:156 Resp: 247
Ion Ratio Lower Upper
156 100
77 198.6 102.8 308.4
158 88.6 48.9 146.6

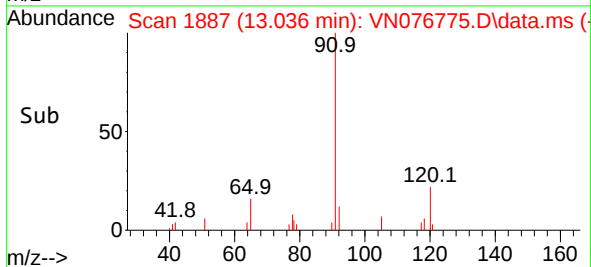
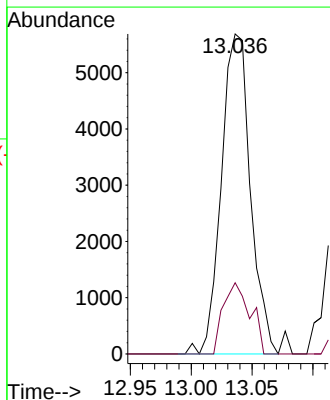
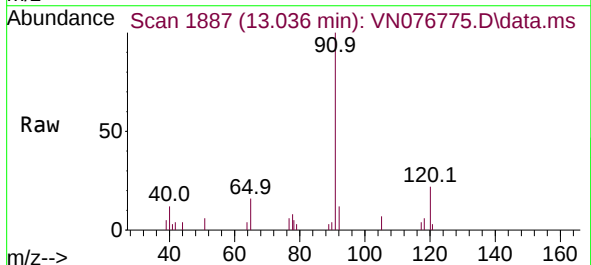
Manual Integrations
APPROVED

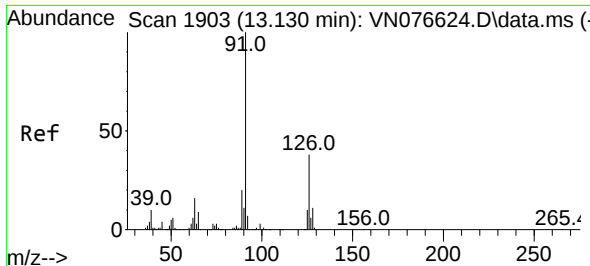
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#78
n-propylbenzene
Concen: 0.779 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. 0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Tgt Ion: 91 Resp: 9451
Ion Ratio Lower Upper
91 100
120 20.7 11.5 34.5





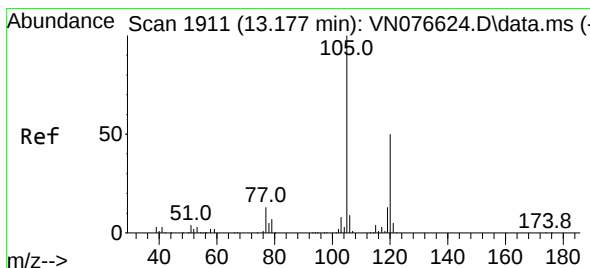
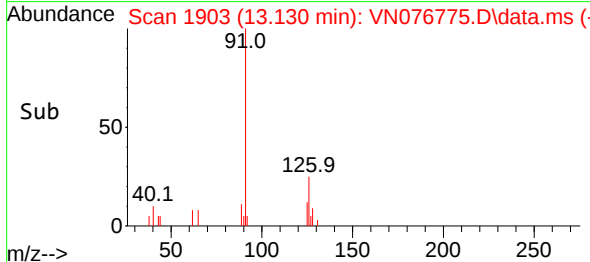
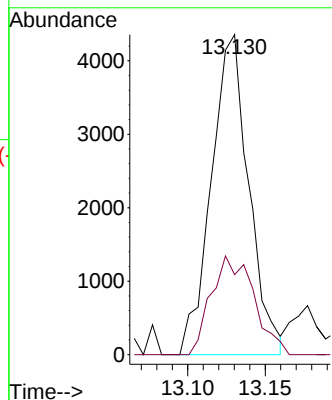
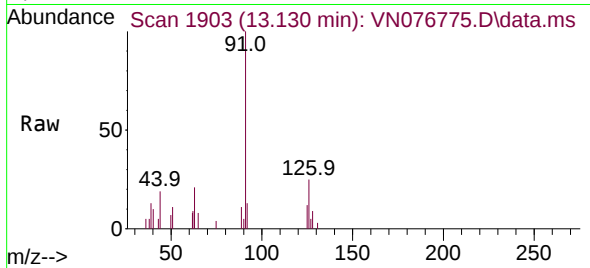
#79
2-Chlorotoluene
Concen: 0.987 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion: 91 Resp: 733
Ion Ratio Lower Upper
91 100
126 35.0 17.7 53.1

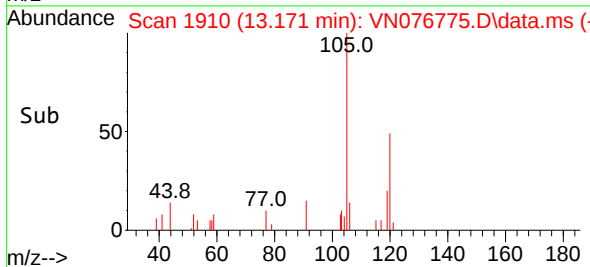
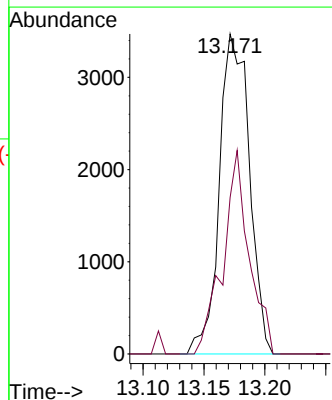
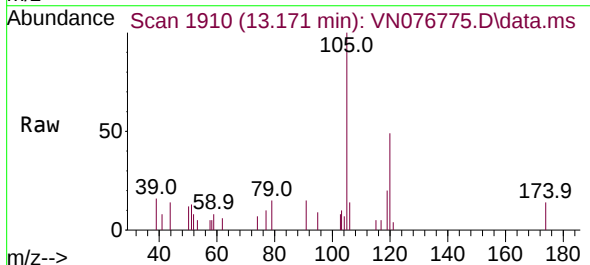
Manual Integrations
APPROVED

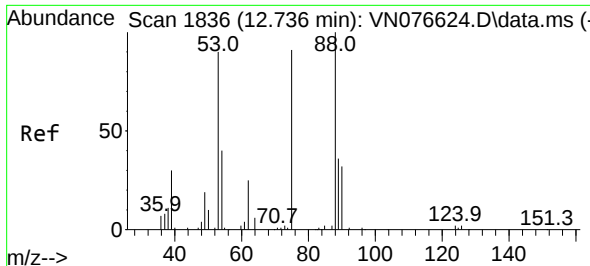
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#80
1,3,5-Trimethylbenzene
Concen: 0.697 ug/l
RT: 13.171 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

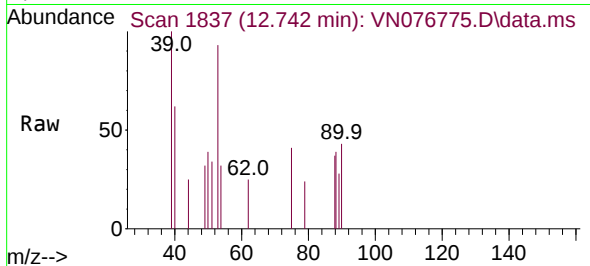
Tgt Ion:105 Resp: 5952
Ion Ratio Lower Upper
105 100
120 55.8 25.1 75.4





#81
trans-1,4-Dichloro-2-butene
Concen: 0.421 ug/l m
RT: 12.742 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

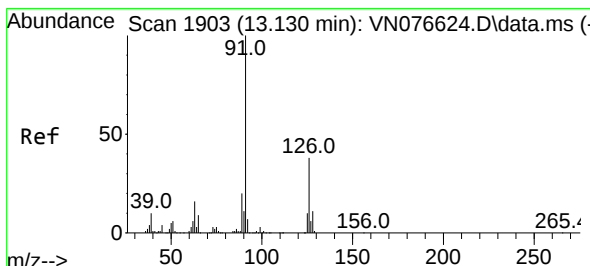
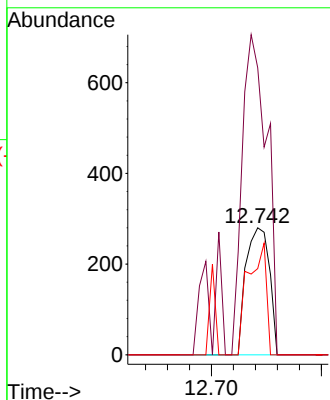
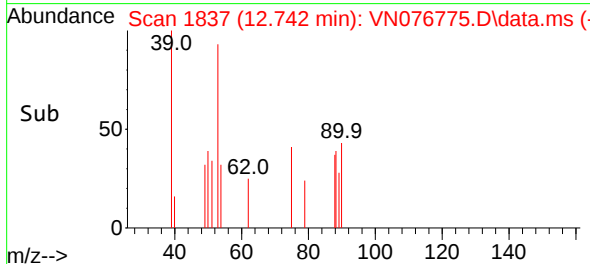
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 75 Resp: 412
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1
89 33.0 37.5 56.3

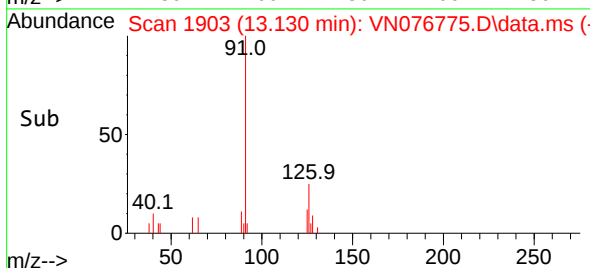
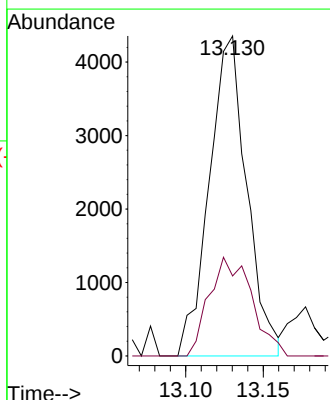
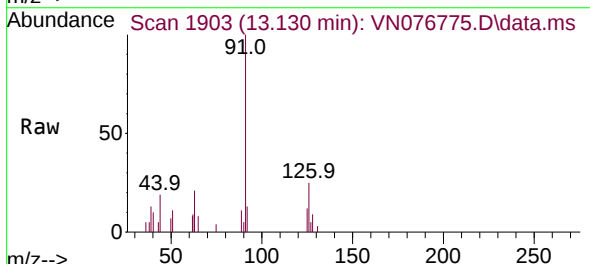
Manual Integrations
APPROVED

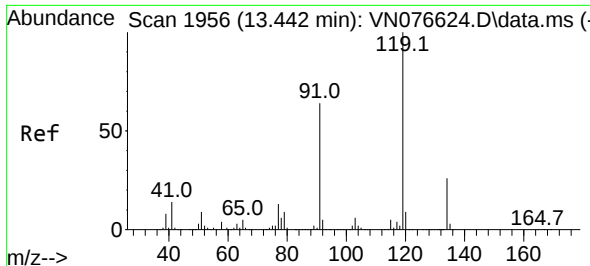
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#82
4-Chlorotoluene
Concen: 0.987 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Tgt Ion: 91 Resp: 7333
Ion Ratio Lower Upper
91 100
126 35.0 17.7 53.1





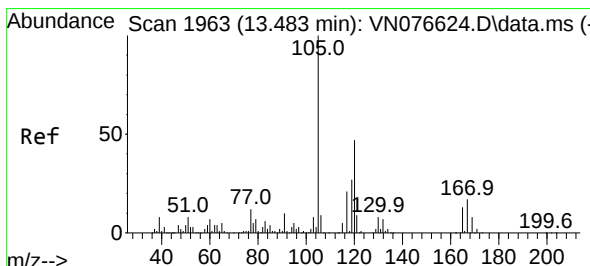
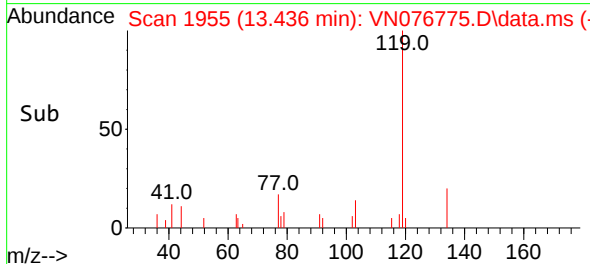
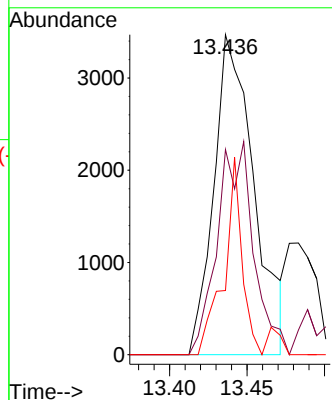
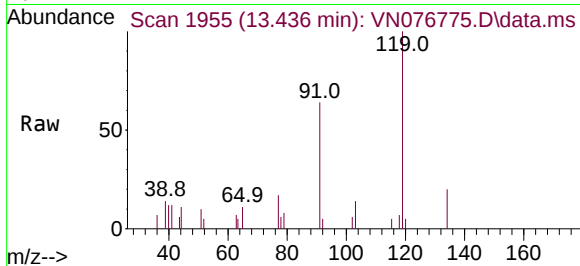
#83
tert-Butylbenzene
Concen: 0.809 ug/l
RT: 13.436 min Scan# 1955
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023

Tgt Ion:119 Resp: 6240
Ion Ratio Lower Upper
119 100
91 59.6 32.0 96.2
134 27.6 13.8 41.4

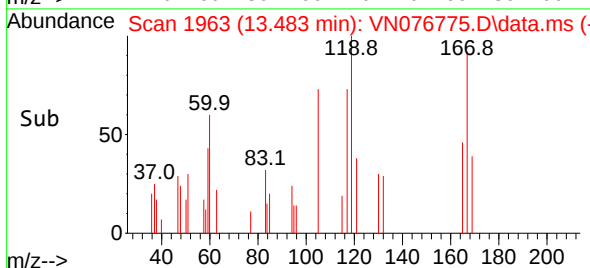
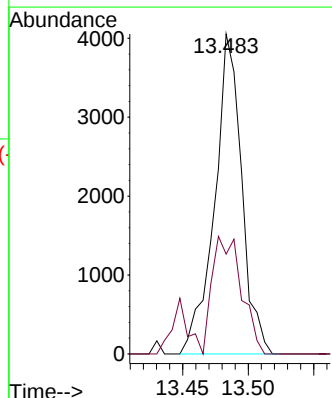
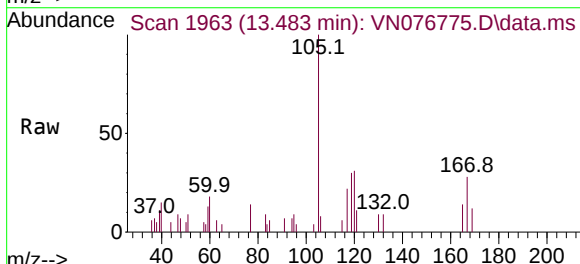
Manual Integrations
APPROVED

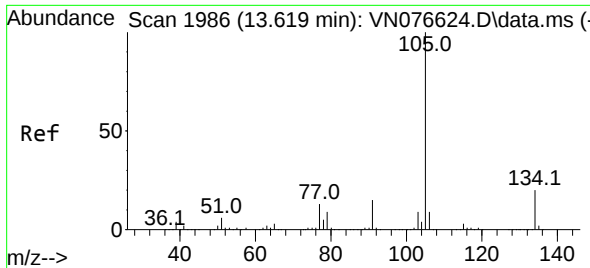
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#84
1,2,4-Trimethylbenzene
Concen: 0.684 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Tgt Ion:105 Resp: 5819
Ion Ratio Lower Upper
105 100
120 39.8 23.0 69.0





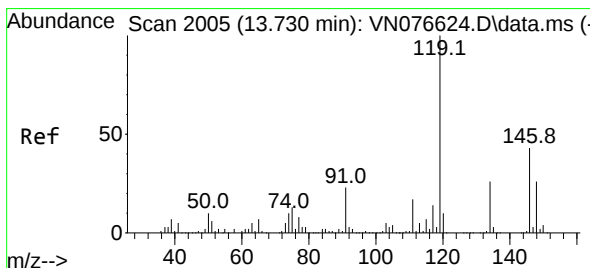
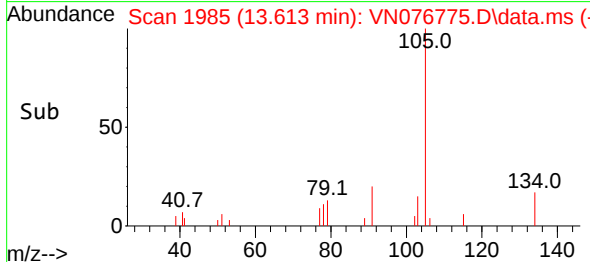
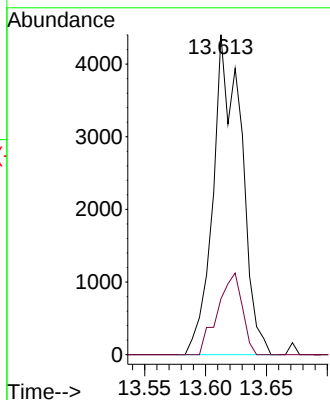
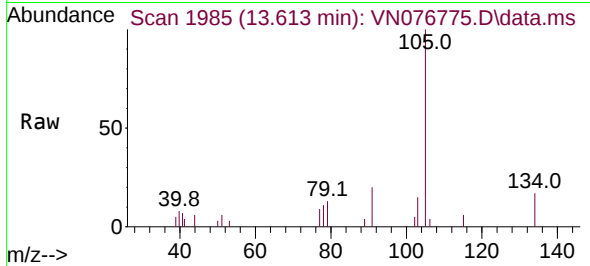
#85
 sec-Butylbenzene
 Concen: 0.665 ug/l
 RT: 13.613 min Scan# 1986
 Delta R.T. -0.006 min
 Lab File: VN076775.D
 Acq: 22 Feb 2023 16:53

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Tgt Ion:105 Resp: 716
 Ion Ratio Lower Upper
 105 100
 134 21.9 10.5 31.5

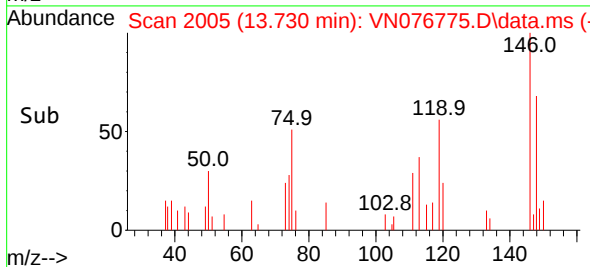
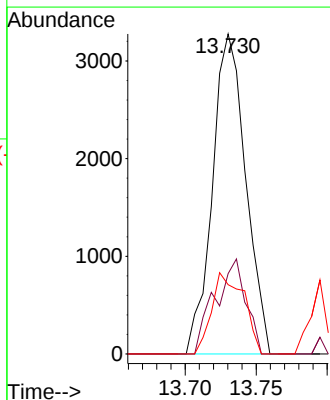
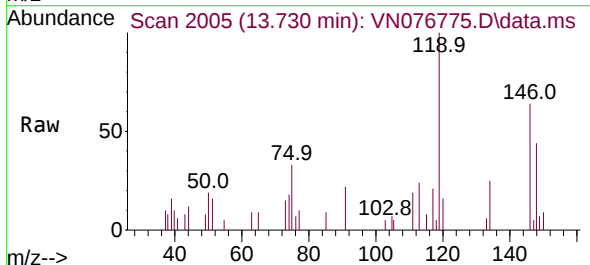
Manual Integrations
 APPROVED

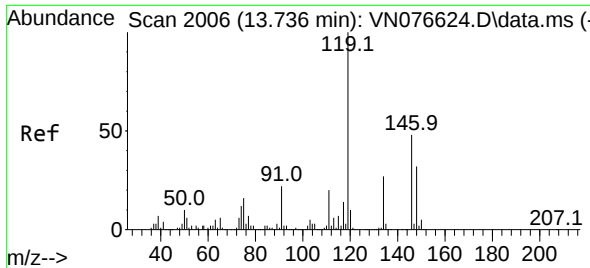
Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#86
 p-Isopropyltoluene
 Concen: 0.621 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN076775.D
 Acq: 22 Feb 2023 16:53

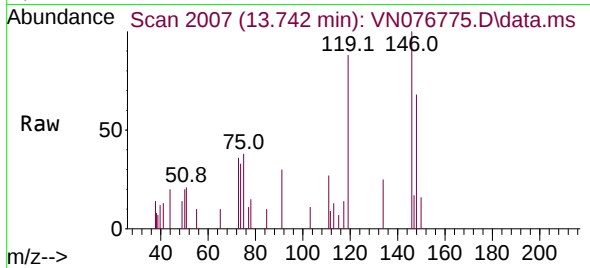
Tgt Ion:119 Resp: 5342
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.4 40.1
 91 24.4 11.7 35.0





#87
1,3-Dichlorobenzene
Concen: 0.741 ug/l
RT: 13.742 min Scan# 2006
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

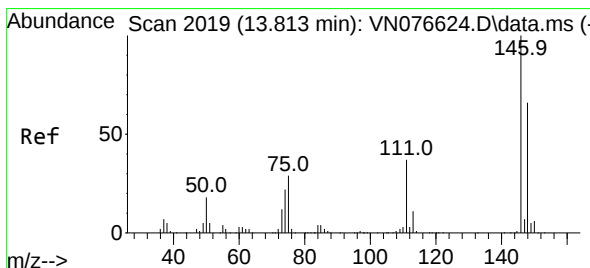
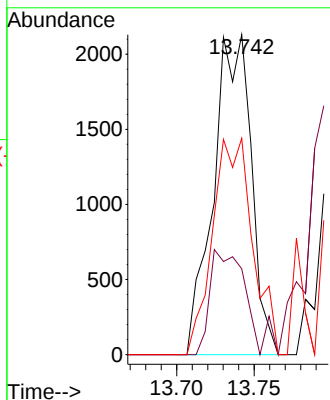
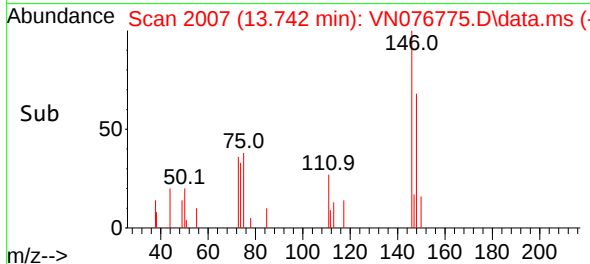
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



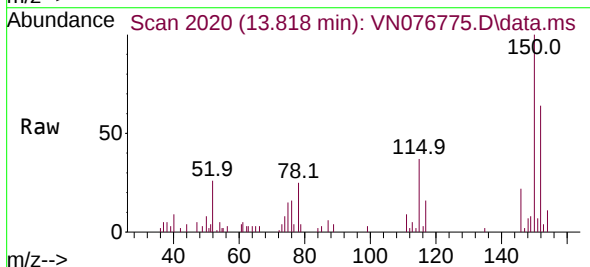
Tgt Ion:146 Resp: 3612
Ion Ratio Lower Upper
146 100
111 29.1 19.8 59.4
148 71.5 32.0 96.2

Manual Integrations
APPROVED

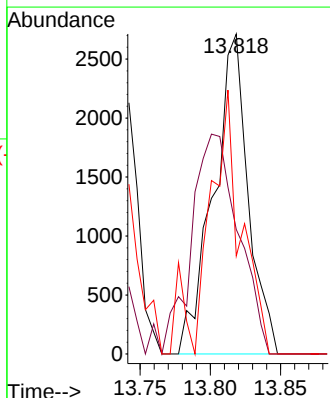
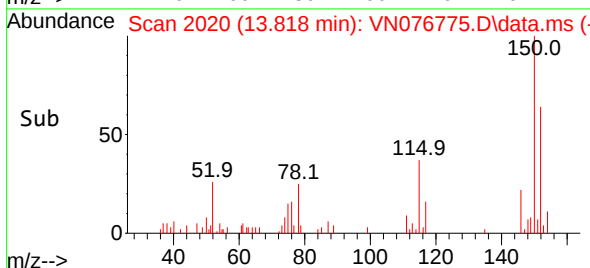
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

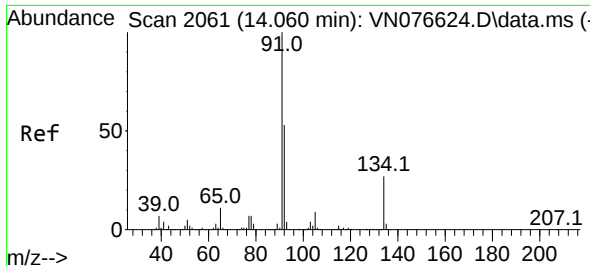


#88
1,4-Dichlorobenzene
Concen: 0.962 ug/l m
RT: 13.818 min Scan# 2020
Delta R.T. 0.005 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



Tgt Ion:146 Resp: 4665
Ion Ratio Lower Upper
146 100
111 22.5 19.4 58.1
148 55.4 32.7 98.1





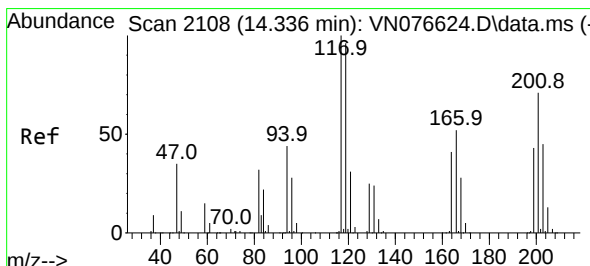
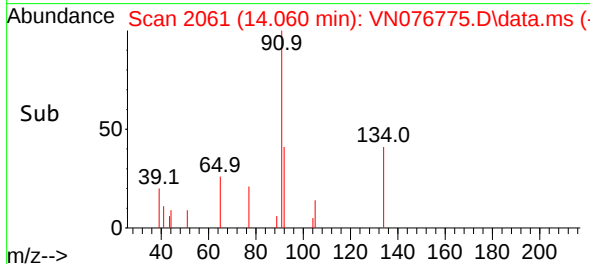
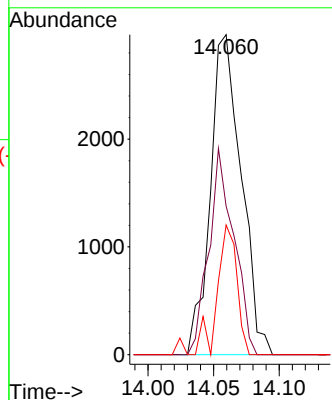
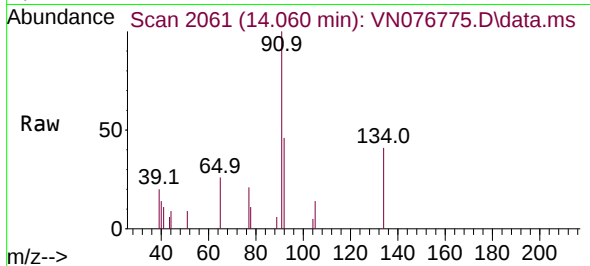
#89
n-Butylbenzene
Concen: 0.650 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023

Tgt Ion: 91 Resp: 486
Ion Ratio Lower Upper
91 100
92 52.3 26.4 79.0
134 25.6 13.2 39.5

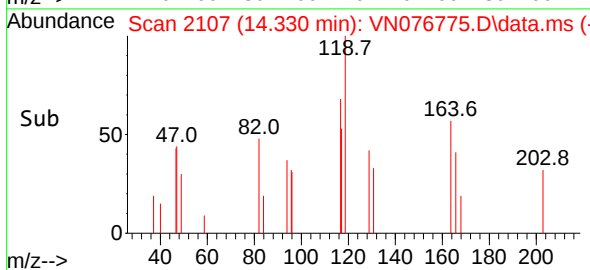
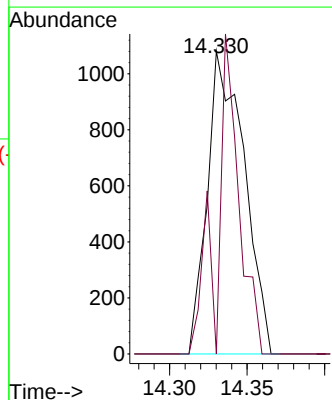
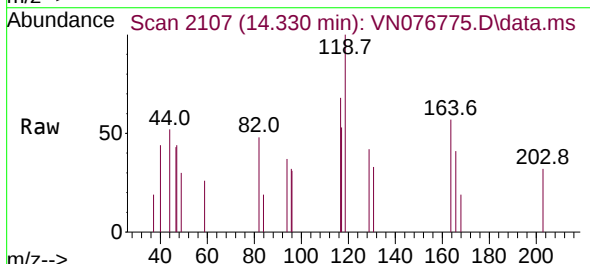
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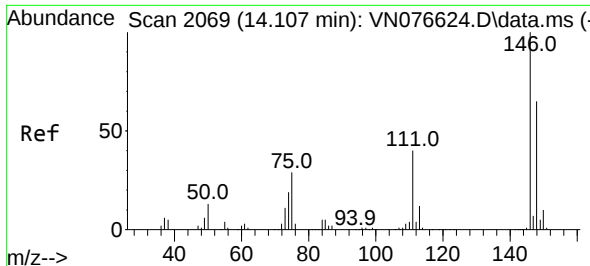
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#90
Hexachloroethane
Concen: 0.992 ug/l
RT: 14.330 min Scan# 2107
Delta R.T. -0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

Tgt Ion:117 Resp: 1788
Ion Ratio Lower Upper
117 100
201 63.4 35.5 106.7





#91

1,2-Dichlorobenzene

Concen: 0.762 ug/l

RT: 14.107 min Scan# 2069

Delta R.T. -0.000 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

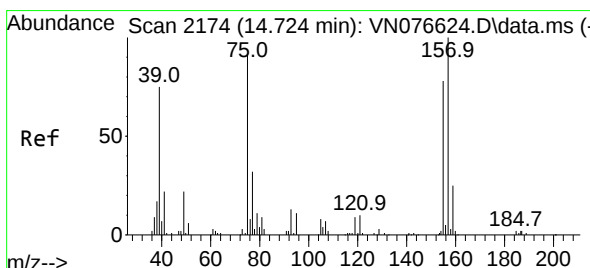
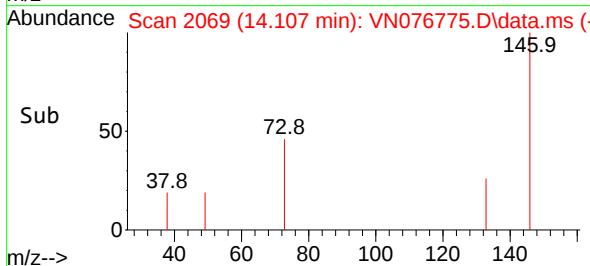
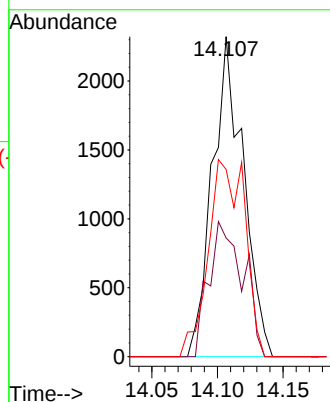
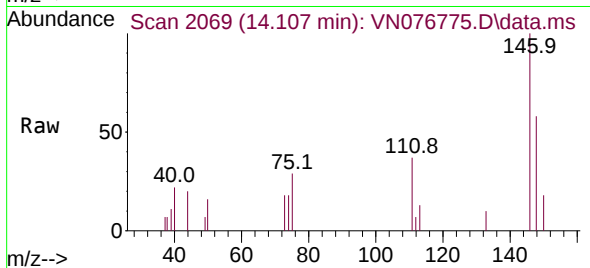
Tgt Ion:146	Resp:	3804
Ion Ratio	Lower	Upper
146	100	
111	47.1	20.0 59.9
148	72.9	32.4 97.2

Manual Integrations

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Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.115 ug/l

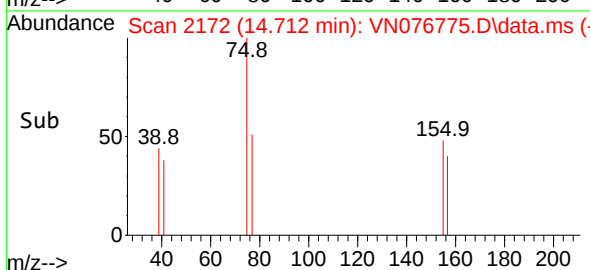
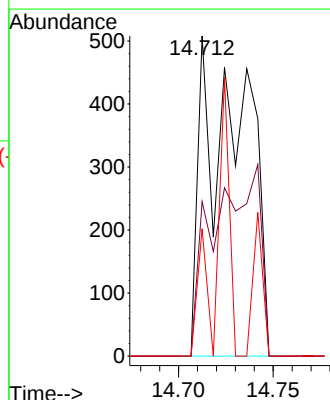
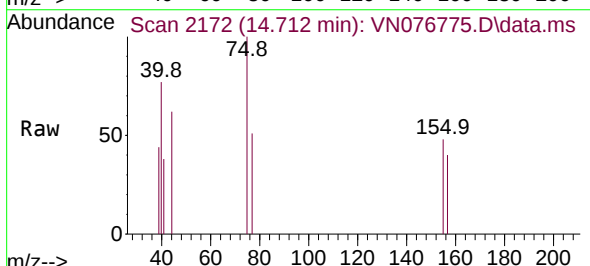
RT: 14.712 min Scan# 2172

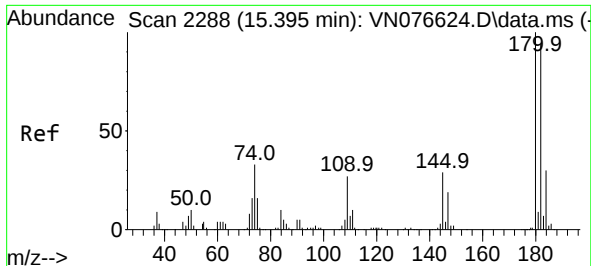
Delta R.T. -0.012 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Tgt Ion: 75	Resp:	808
Ion Ratio	Lower	Upper
75	100	
155	0.0	43.4 130.2#
157	28.1	55.2 165.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.703 ug/l

RT: 15.401 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

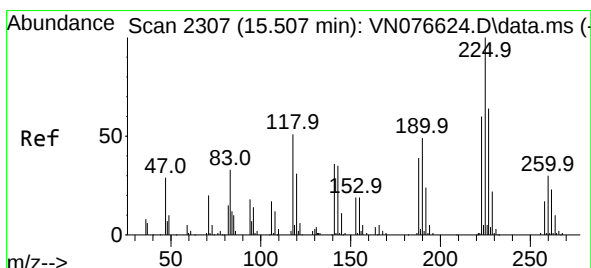
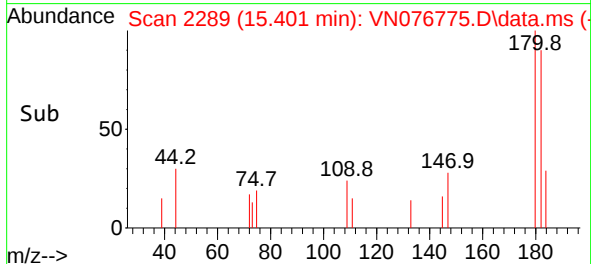
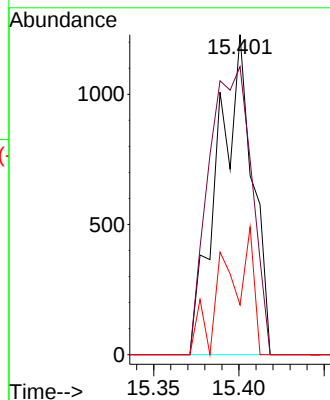
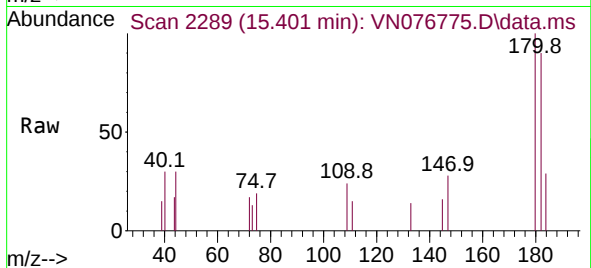
Tgt Ion:180 Resp: 175
 Ion Ratio Lower Upper
 180 100
 182 110.2 48.0 144.0
 145 32.2 15.2 45.6

Manual Integrations

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Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#94

Hexachlorobutadiene

Concen: 0.796 ug/l

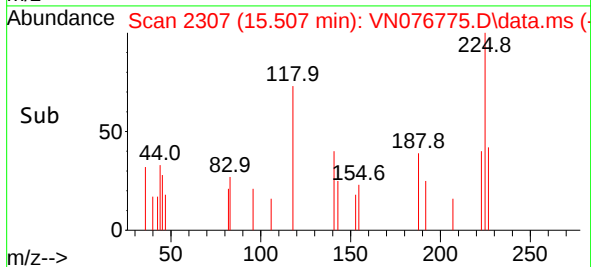
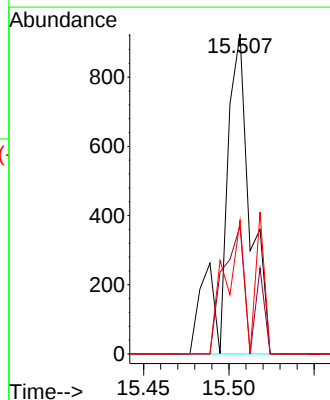
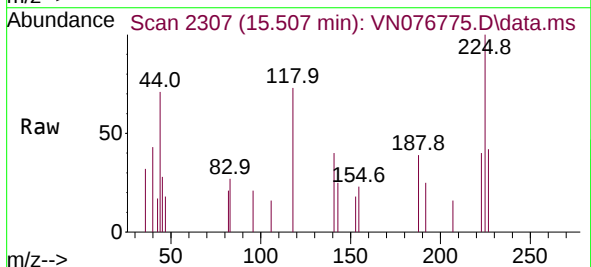
RT: 15.507 min Scan# 2307

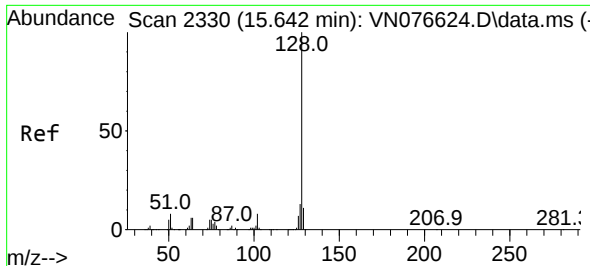
Delta R.T. -0.000 min

Lab File: VN076775.D

Acq: 22 Feb 2023 16:53

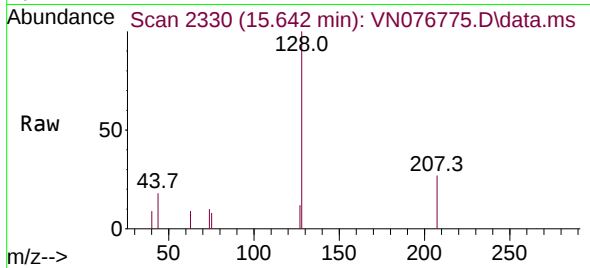
Tgt Ion:225 Resp: 972
 Ion Ratio Lower Upper
 225 100
 223 40.9 31.6 95.0
 227 45.0 31.3 93.9





#95
Naphthalene
Concen: 0.647 ug/l
RT: 15.642 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53

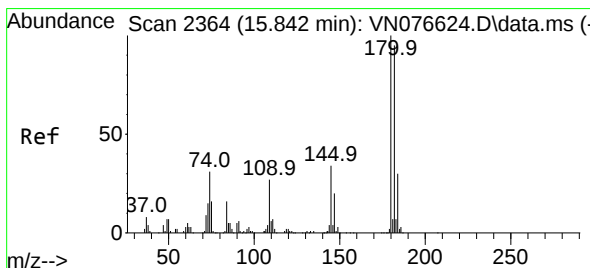
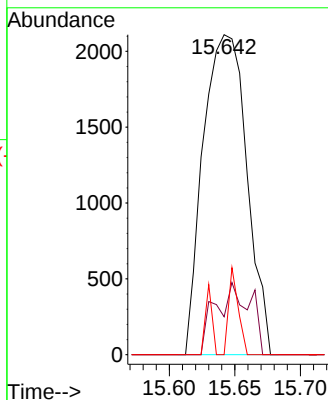
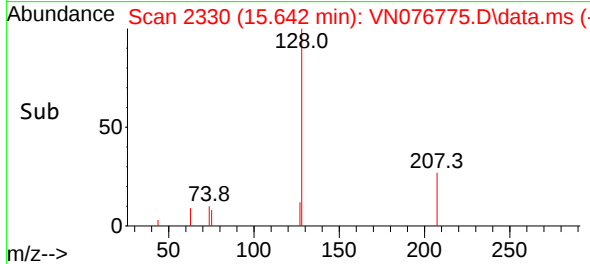
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



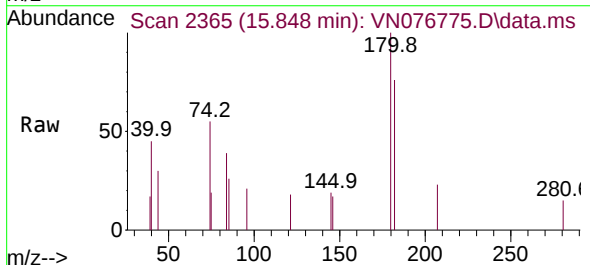
Tgt Ion:128 Resp: 4889
Ion Ratio Lower Upper
128 100
127 17.8 10.6 16.0
129 6.0 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#96
1,2,3-Trichlorobenzene
Concen: 0.663 ug/l
RT: 15.848 min Scan# 2365
Delta R.T. 0.006 min
Lab File: VN076775.D
Acq: 22 Feb 2023 16:53



Tgt Ion:180 Resp: 1599
Ion Ratio Lower Upper
180 100
182 80.1 46.7 140.1
145 14.5 16.0 47.9

