

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022223\
 Data File : VN076774.D
 Acq On : 22 Feb 2023 16:29
 Operator : JC\MD
 Sample : 01627-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Feb 23 00:45:51 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	8.230	168	233044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	435493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	382567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	142151	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	189938	59.024	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.040%			
35) Dibromofluoromethane	8.172	113	146034	51.205	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.400%			
50) Toluene-d8	10.571	98	528208	49.593	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.180%			
62) 4-Bromofluorobenzene	12.848	95	152946	43.357	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.720%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	1073	0.434	ug/l	95
3) Chloromethane	2.378	50	1750	0.542	ug/l #	87
4) Vinyl Chloride	2.531	62	2008	0.632	ug/l	95
5) Bromomethane	2.966	94	2413	1.253	ug/l #	68
6) Chloroethane	3.131	64	2171	1.081	ug/l #	65
7) Trichlorofluoromethane	3.513	101	2409	0.557	ug/l #	46
8) Diethyl Ether	3.978	74	747	0.448	ug/l	75
9) 1,1,2-Trichlorotrifluo...	4.390	101	1138m	0.448	ug/l	
10) Methyl Iodide	4.613	142	817m	0.260	ug/l	
11) Tert butyl alcohol	5.525	59	1175	2.766	ug/l #	71
12) 1,1-Dichloroethene	4.378	96	1278	0.531	ug/l #	1
13) Acrolein	4.195	56	1749	2.743	ug/l	88
14) Allyl chloride	5.042	41	2405	0.577	ug/l #	80
15) Acrylonitrile	5.731	53	3986	2.644	ug/l #	67
16) Acetone	4.448	43	4370	3.040	ug/l #	65
17) Carbon Disulfide	4.731	76	2907	0.458	ug/l #	73
18) Methyl Acetate	5.066	43	2480m	0.529	ug/l	
19) Methyl tert-butyl Ether	5.819	73	3432m	0.423	ug/l	
20) Methylene Chloride	5.289	84	3504m	1.163	ug/l	
21) trans-1,2-Dichloroethene	5.813	96	1478	0.546	ug/l #	41
22) Diisopropyl ether	6.683	45	4571m	0.468	ug/l	
23) Vinyl Acetate	6.601	43	11896	2.057	ug/l	100
24) 1,1-Dichloroethane	6.583	63	2736	0.511	ug/l #	81
25) 2-Butanone	7.489	43	5463	2.576	ug/l	99
26) 2,2-Dichloropropane	7.501	77	2331	0.603	ug/l	77
27) cis-1,2-Dichloroethene	7.507	96	1200	0.374	ug/l	73
28) Bromochloromethane	7.825	49	1697	0.666	ug/l #	68
29) Tetrahydrofuran	7.848	42	2780	2.007	ug/l #	85
30) Chloroform	7.978	83	2868	0.536	ug/l	98
31) Cyclohexane	8.230	56	9167	1.816	ug/l #	37
32) 1,1,1-Trichloroethane	8.178	97	2159	0.480	ug/l #	43
36) 1,1-Dichloropropene	8.372	75	1819	0.441	ug/l	85
37) Ethyl Acetate	7.578	43	2326m	0.537	ug/l	
38) Carbon Tetrachloride	8.366	117	2076	0.499	ug/l #	60
39) Methylcyclohexane	9.601	83	2381	0.508	ug/l #	75
40) Benzene	8.619	78	5519	0.436	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	1471m	0.586	ug/l	
42) 1,2-Dichloroethane	8.672	62	2523	0.572	ug/l	82
43) Isopropyl Acetate	8.695	43	2930	0.415	ug/l #	64
44) Trichloroethene	9.354	130	1576	0.527	ug/l	55
45) 1,2-Dichloropropane	9.619	63	1269	0.379	ug/l #	81
46) Dibromomethane	9.713	93	825	0.385	ug/l #	73
47) Bromodichloromethane	9.883	83	1842	0.429	ug/l #	69
48) Methyl methacrylate	9.689	41	1574	0.470	ug/l #	74
49) 1,4-Dioxane	9.689	88	442	7.633	ug/l #	50
51) 4-Methyl-2-Pentanone	10.442	43	9744	2.171	ug/l	88
52) Toluene	10.636	92	3640	0.476	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	1490	0.360	ug/l #	81
54) cis-1,3-Dichloropropene	10.319	75	1717	0.359	ug/l #	64
55) 1,1,2-Trichloroethane	11.024	97	1964	0.632	ug/l #	62
56) Ethyl methacrylate	10.883	69	1900	0.435	ug/l #	75
57) 1,3-Dichloropropane	11.160	76	2701	0.506	ug/l	91
58) 2-Chloroethyl Vinyl ether	10.154	63	4007	2.001	ug/l	96
59) 2-Hexanone	11.195	43	7268	2.246	ug/l	87
60) Dibromochloromethane	11.366	129	1294m	0.395	ug/l	
61) 1,2-Dibromoethane	11.471	107	1425	0.458	ug/l	89
64) Tetrachloroethene	11.101	164	1248	0.518	ug/l	90
65) Chlorobenzene	11.901	112	3731	0.460	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.971	131	1195	0.406	ug/l #	57
67) Ethyl Benzene	11.960	91	5680	0.411	ug/l	90
68) m/p-Xylenes	12.071	106	4214	0.791	ug/l	95
69) o-Xylene	12.401	106	1583	0.305	ug/l	71
70) Styrene	12.418	104	2420	0.288	ug/l #	75
71) Bromoform	12.589	173	1037	0.480	ug/l #	70
73) Isopropylbenzene	12.701	105	4020	0.386	ug/l	97
74) N-amyl acetate	12.495	43	1893	0.403	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.936	83	1980	0.525	ug/l #	91
76) 1,2,3-Trichloropropane	12.995	75	2022m	0.704	ug/l	
77) Bromobenzene	12.977	156	1618	0.622	ug/l	91
78) n-propylbenzene	13.036	91	5068	0.414	ug/l	96
79) 2-Chlorotoluene	13.130	91	3785	0.505	ug/l	100
80) 1,3,5-Trimethylbenzene	13.177	105	3330	0.387	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.742	75	420m	0.426	ug/l	
82) 4-Chlorotoluene	13.130	91	3785	0.505	ug/l	100
83) tert-Butylbenzene	13.442	119	3648	0.468	ug/l	87
84) 1,2,4-Trimethylbenzene	13.483	105	3281	0.382	ug/l	90
85) sec-Butylbenzene	13.618	105	3919	0.360	ug/l	92
86) p-Isopropyltoluene	13.730	119	3382	0.389	ug/l	90
87) 1,3-Dichlorobenzene	13.736	146	2197	0.447	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	2454m	0.501	ug/l	
89) n-Butylbenzene	14.054	91	2968	0.393	ug/l	86
90) Hexachloroethane	14.336	117	765	0.421	ug/l #	43
91) 1,2-Dichlorobenzene	14.101	146	2149	0.427	ug/l	86
92) 1,2-Dibromo-3-Chloropr...	14.706	75	218m	0.298	ug/l	
93) 1,2,4-Trichlorobenzene	15.389	180	1084m	0.431	ug/l	
94) Hexachlorobutadiene	15.512	225	518	0.421	ug/l	89
95) Naphthalene	15.642	128	3229	0.423	ug/l	96
96) 1,2,3-Trichlorobenzene	15.830	180	1025	0.421	ug/l #	63

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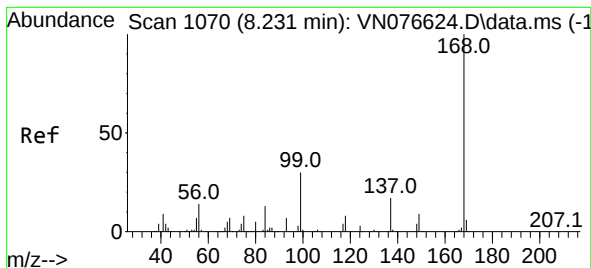
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 02/23/2023

Quant Time: Feb 23 00:45:51 2023
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Quant Title : SW846 8260
QLast Update : Tue Feb 14 01:44:47 2023
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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: 8.230 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN076774.D

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Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion:168 Resp: 23304

Ion Ratio Lower Upper

168 100

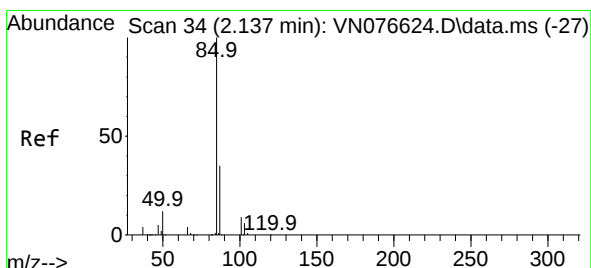
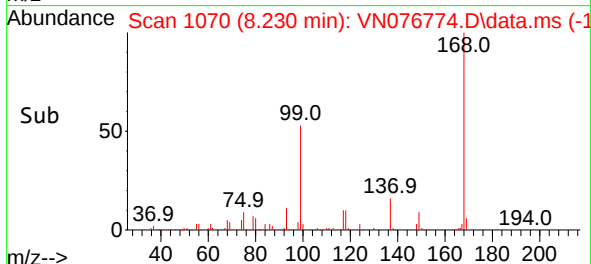
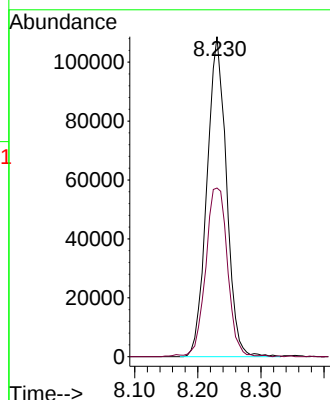
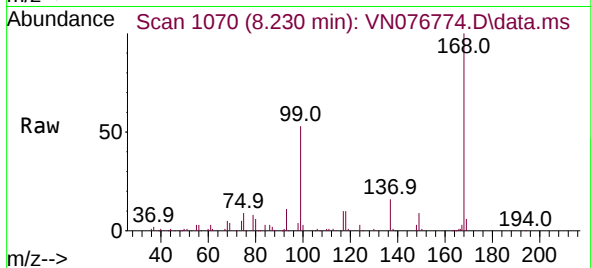
99 52.4 44.8 67.2

Manual Integrations

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Reviewed By :John Carlone 02/23/2023

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#2

Dichlorodifluoromethane

Concen: 0.434 ug/l

RT: 2.137 min Scan# 34

Delta R.T. -0.000 min

Lab File: VN076774.D

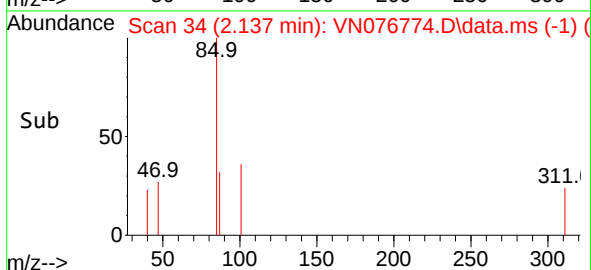
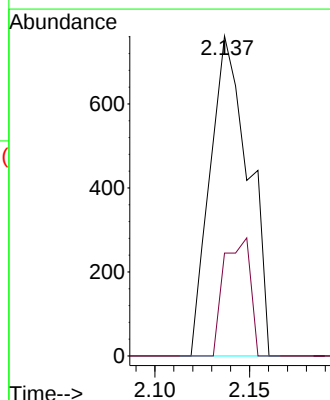
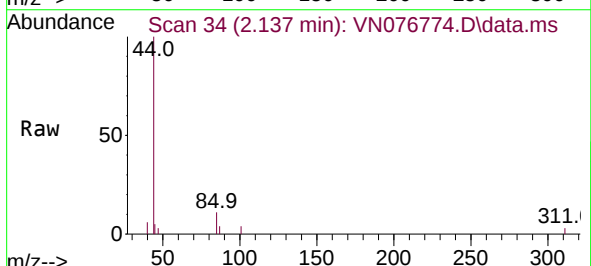
Acq: 22 Feb 2023 16:29

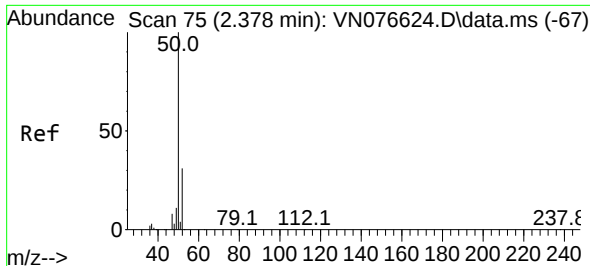
Tgt Ion: 85 Resp: 1073

Ion Ratio Lower Upper

85 100

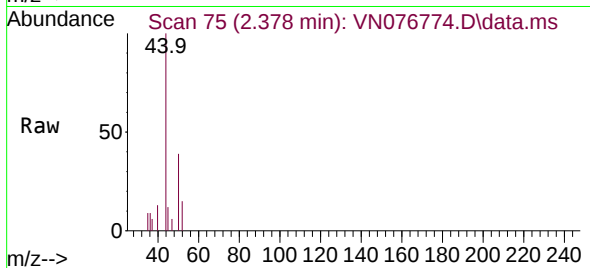
87 32.2 17.4 52.2





#3
Chloromethane
Concen: 0.542 ug/l
RT: 2.378 min Scan# 71
Delta R.T. -0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

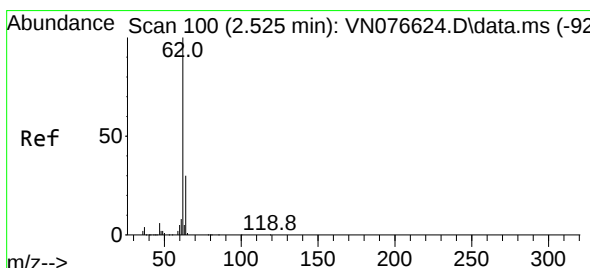
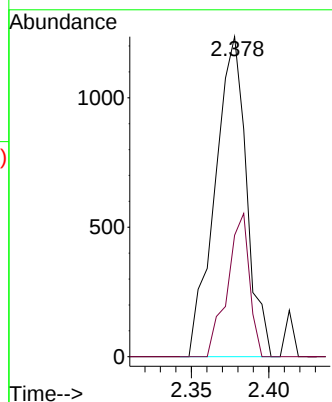
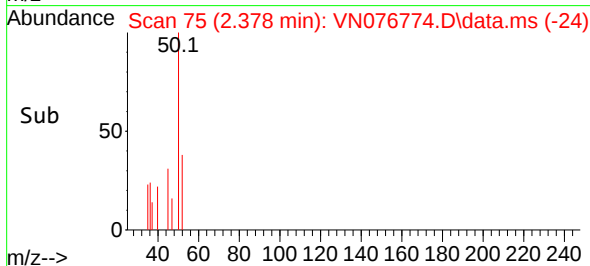
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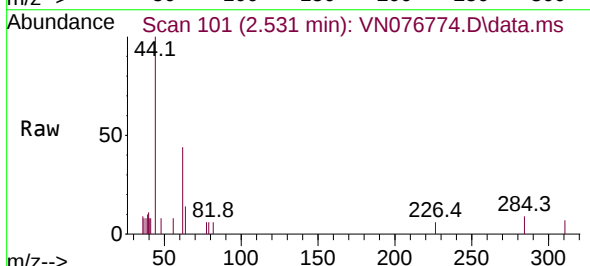
Tgt Ion: 50 Resp: 1750
Ion Ratio Lower Upper
50 100
52 37.9 24.7 37.1

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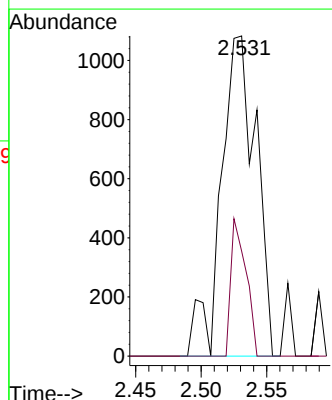
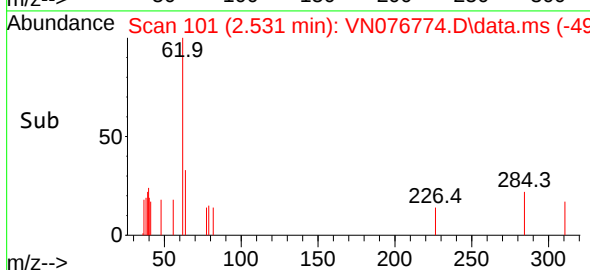
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Supervised By :Mahesh Dadoda 02/23/2023

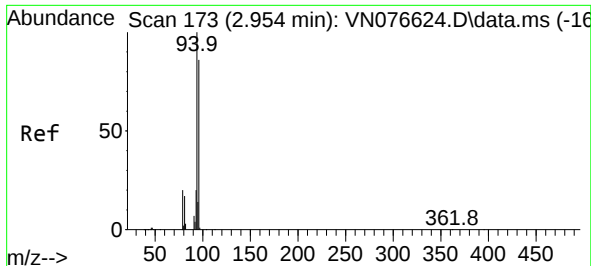


#4
Vinyl Chloride
Concen: 0.632 ug/l
RT: 2.531 min Scan# 101
Delta R.T. 0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29



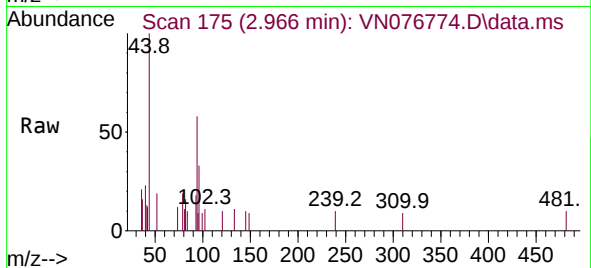
Tgt Ion: 62 Resp: 2008
Ion Ratio Lower Upper
62 100
64 32.8 23.9 35.9





#5
Bromomethane
Concen: 1.253 ug/l
RT: 2.966 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

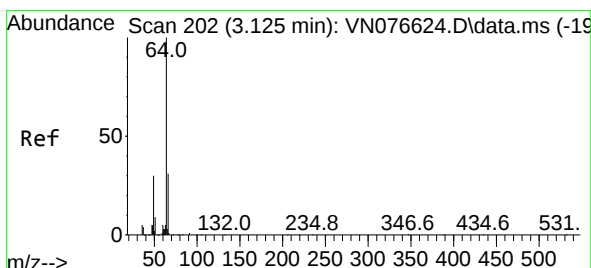
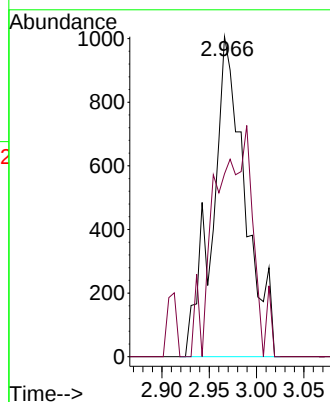
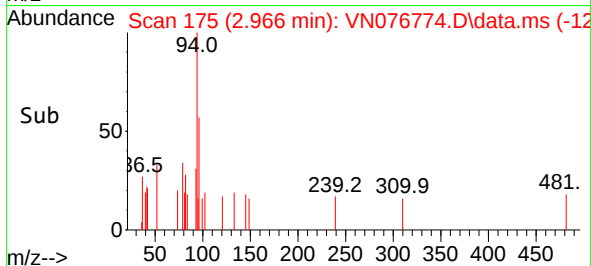
Instrument :
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Tgt Ion: 94 Resp: 241
Ion Ratio Lower Upper
94 100
96 57.2 69.0 103.4

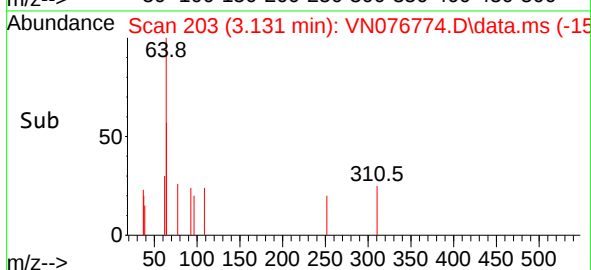
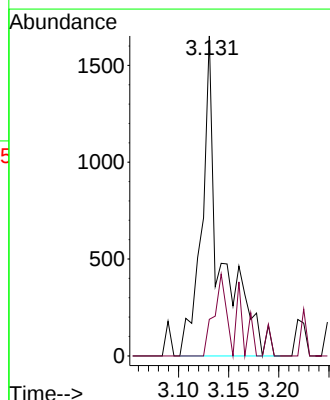
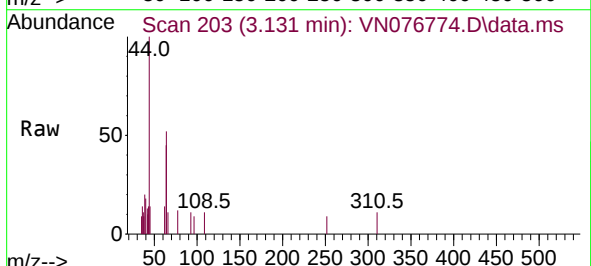
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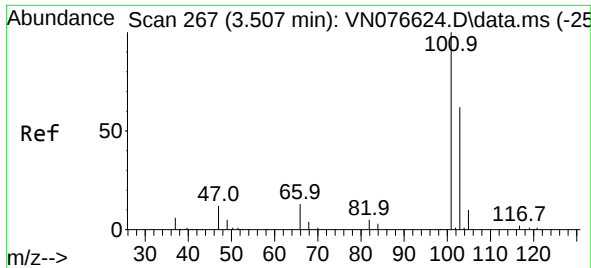
Reviewed By :John Carlone 02/23/2023
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#6
Chloroethane
Concen: 1.081 ug/l
RT: 3.131 min Scan# 203
Delta R.T. 0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

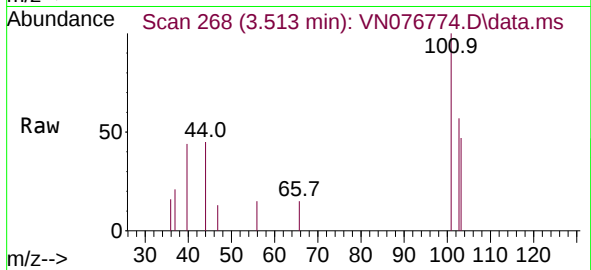
Tgt Ion: 64 Resp: 2171
Ion Ratio Lower Upper
64 100
66 11.4 24.6 37.0





#7
 Trichlorofluoromethane
 Concen: 0.557 ug/l
 RT: 3.513 min Scan# 240
 Delta R.T. 0.006 min
 Lab File: VN076774.D
 Acq: 22 Feb 2023 16:29

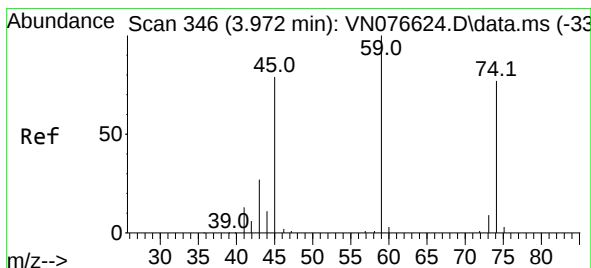
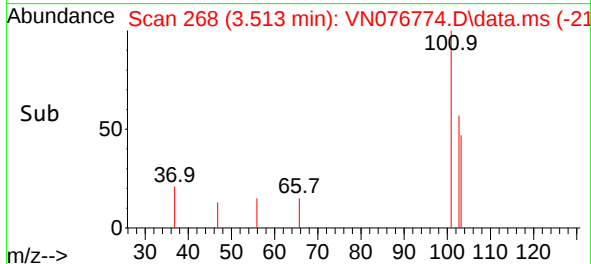
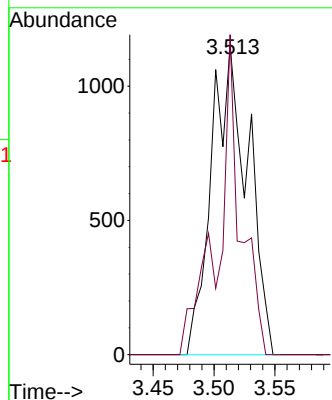
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 ClientSampleId :
 MDL-WATER-03-QT1-2023



Tgt Ion:101 Resp: 240
 Ion Ratio Lower Upper
 101 100
 103 103.5 49.4 74.2

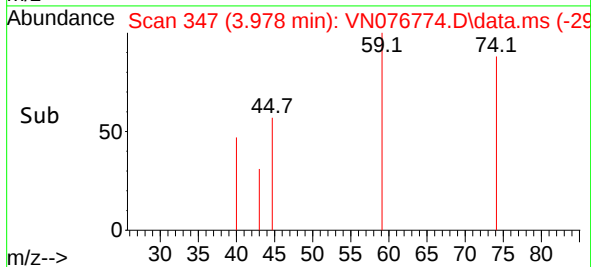
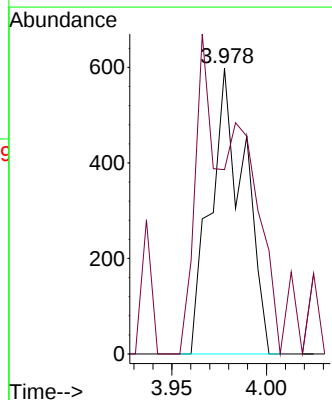
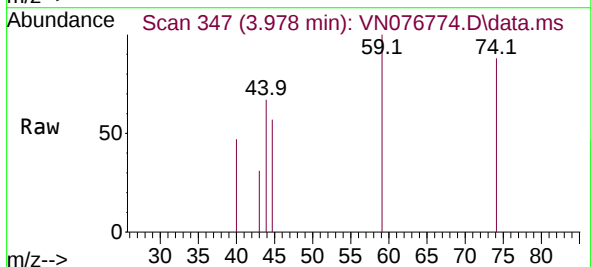
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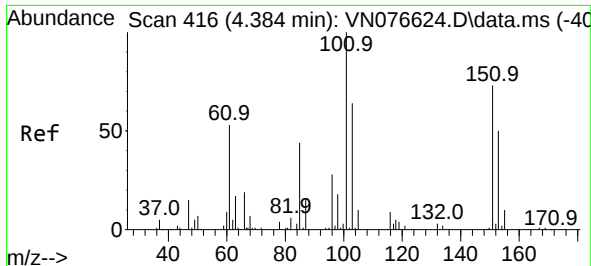
Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#8
 Diethyl Ether
 Concen: 0.448 ug/l
 RT: 3.978 min Scan# 347
 Delta R.T. 0.006 min
 Lab File: VN076774.D
 Acq: 22 Feb 2023 16:29

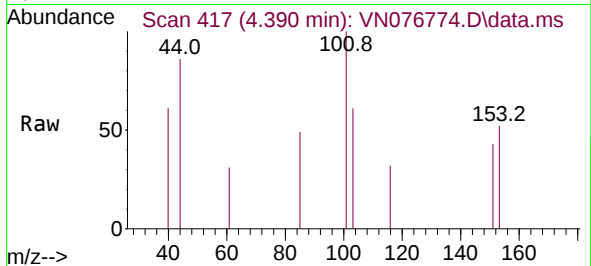
Tgt Ion: 74 Resp: 747
 Ion Ratio Lower Upper
 74 100
 45 77.5 51.3 153.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.448 ug/l m
RT: 4.390 min Scan# 416
Delta R.T. 0.006 min
Lab File: VN076774.D
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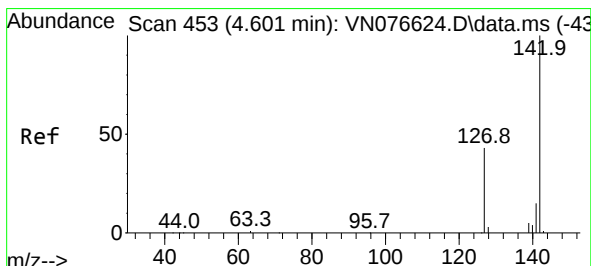
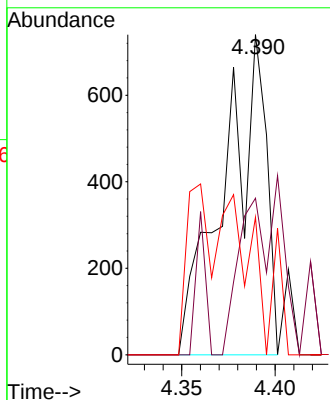
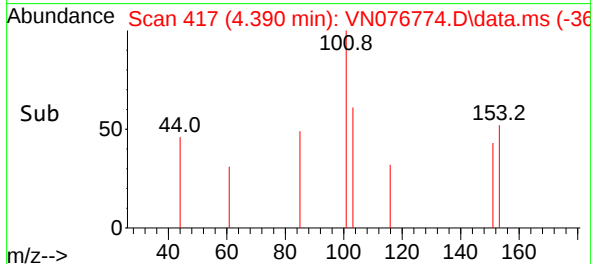
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



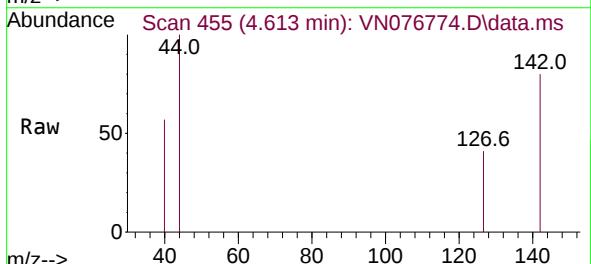
Tgt Ion:101 Resp: 1138
Ion Ratio Lower Upper
101 100
85 10.3 37.4 56.0
151 29.4 58.7 88.1

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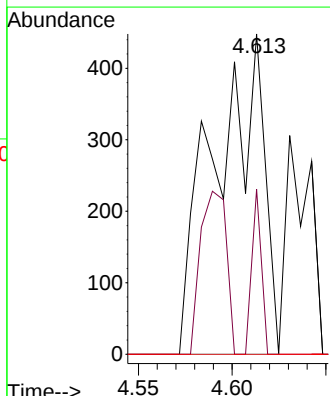
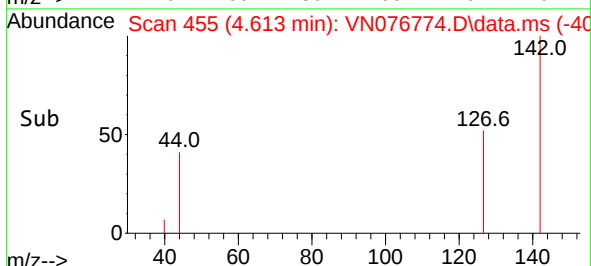
Reviewed By :John Carbone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

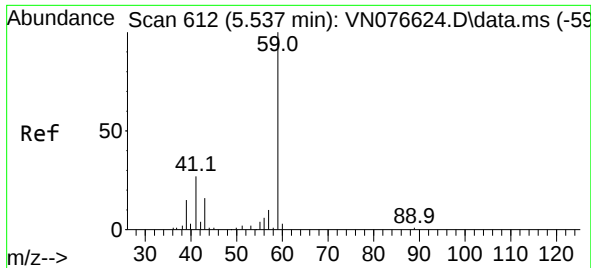


#10
Methyl Iodide
Concen: 0.260 ug/l m
RT: 4.613 min Scan# 455
Delta R.T. 0.012 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29



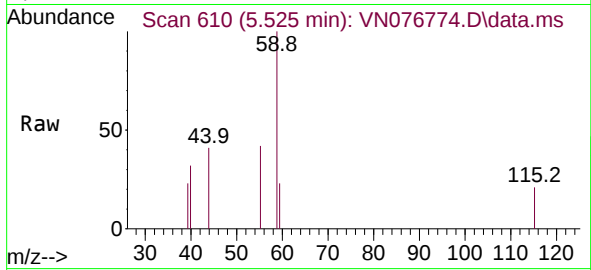
Tgt Ion:142 Resp: 817
Ion Ratio Lower Upper
142 100
127 51.6 34.6 51.8
141 0.0 11.7 17.5





#11
Tert butyl alcohol
Concen: 2.766 ug/l
RT: 5.525 min Scan# 612
Delta R.T. -0.012 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

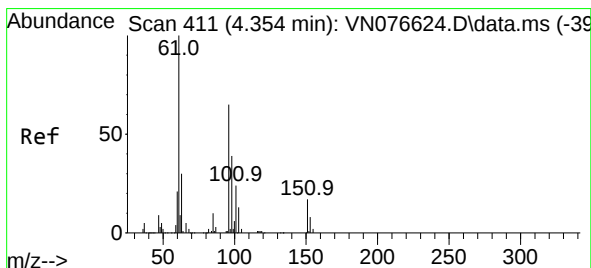
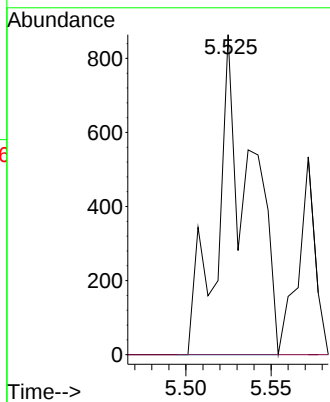
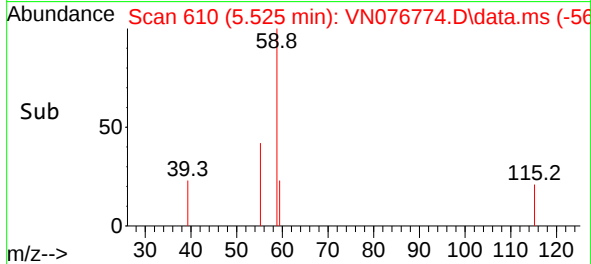
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 59 Resp: 1179
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1

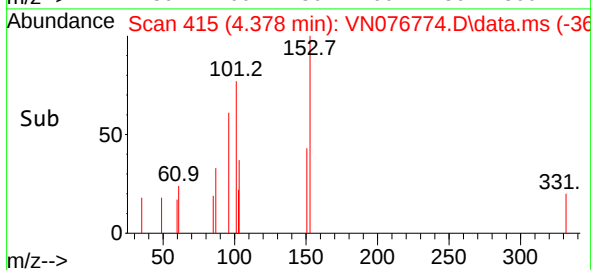
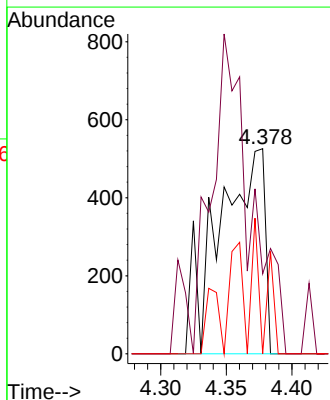
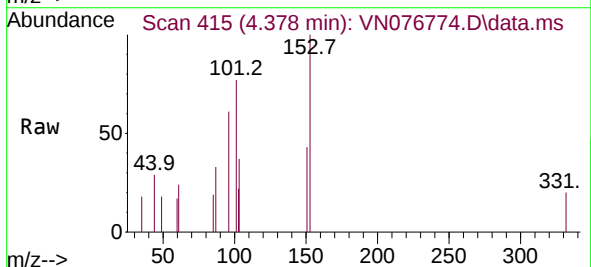
Manual Integrations
APPROVED

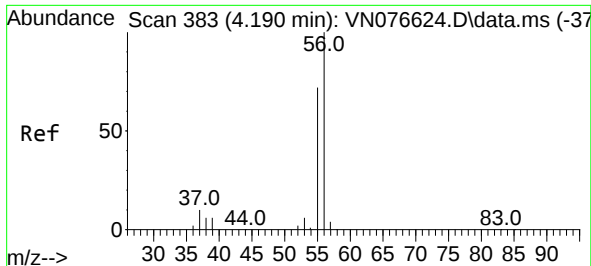
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#12
1,1-Dichloroethene
Concen: 0.531 ug/l
RT: 4.378 min Scan# 415
Delta R.T. 0.024 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

Tgt Ion: 96 Resp: 1278
Ion Ratio Lower Upper
96 100
61 0.0 123.8 185.6#
98 0.0 48.4 72.6#





#13

Acrolein

Concen: 2.743 ug/l

RT: 4.195 min Scan# 383

Delta R.T. 0.005 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 56 Resp: 1749

Ion Ratio Lower Upper

56 100

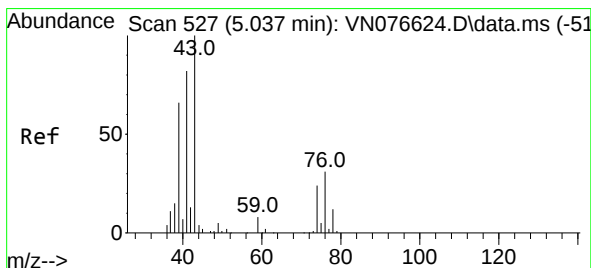
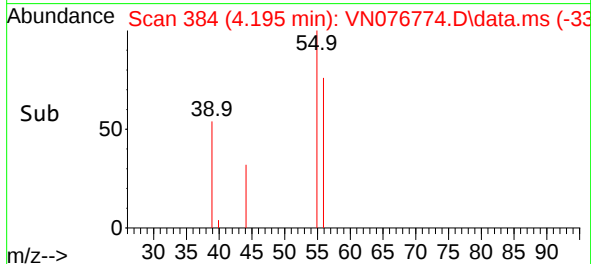
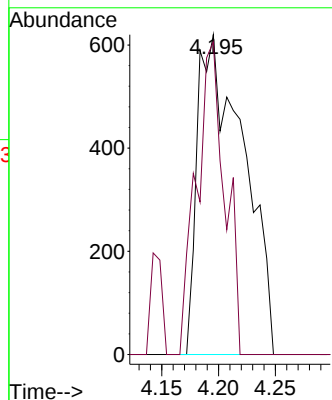
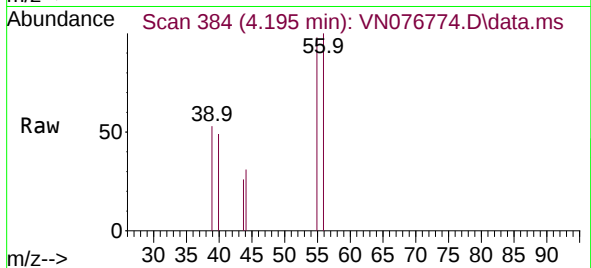
55 60.2 56.3 84.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#14

Allyl chloride

Concen: 0.577 ug/l

RT: 5.042 min Scan# 528

Delta R.T. 0.005 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

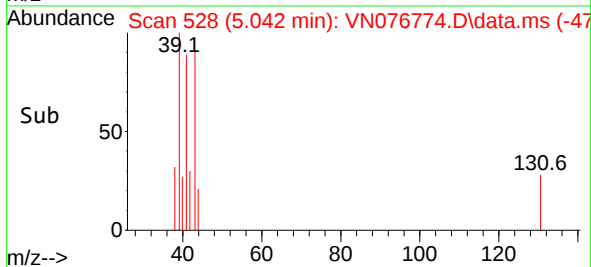
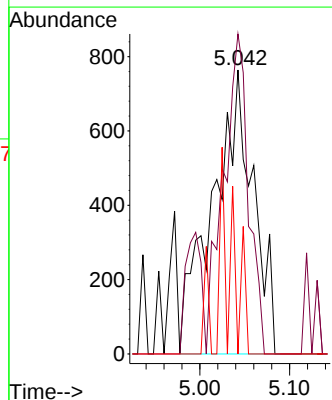
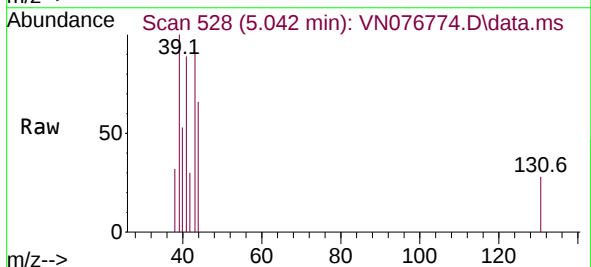
Tgt Ion: 41 Resp: 2405

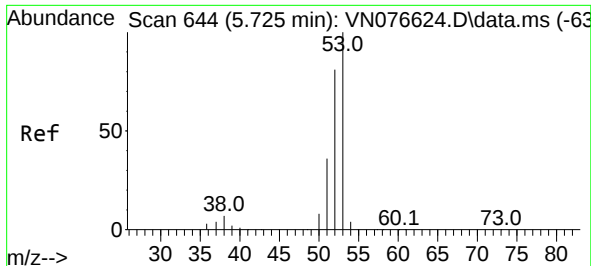
Ion Ratio Lower Upper

41 100

39 69.5 62.3 93.5

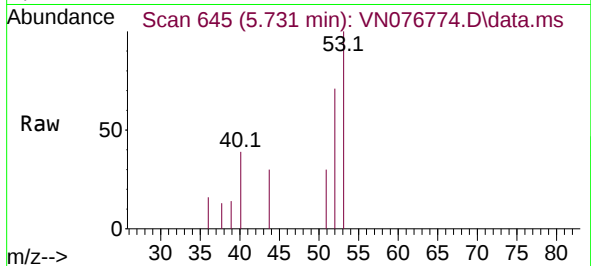
76 8.1 27.0 40.6#





#15
Acrylonitrile
Concen: 2.644 ug/l
RT: 5.731 min Scan# 644
Delta R.T. 0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

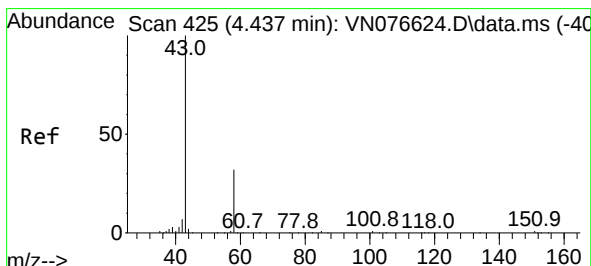
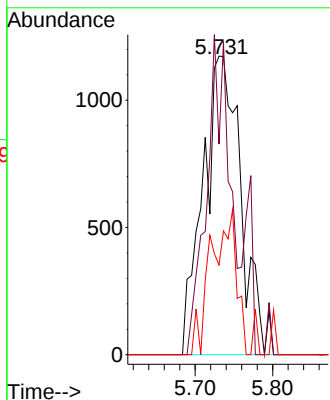
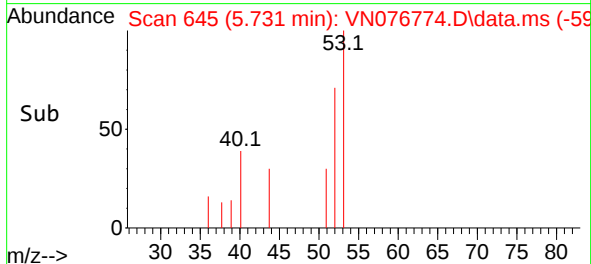
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 53 Resp: 3980
Ion Ratio Lower Upper
53 100
52 63.6 65.3 97.9
51 0.0 29.2 43.8

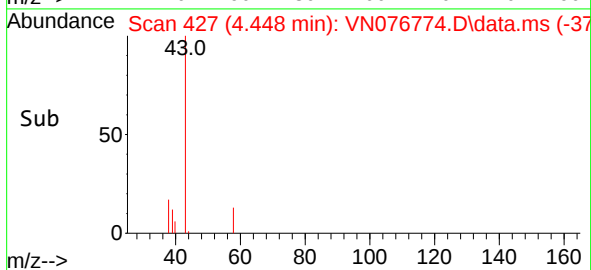
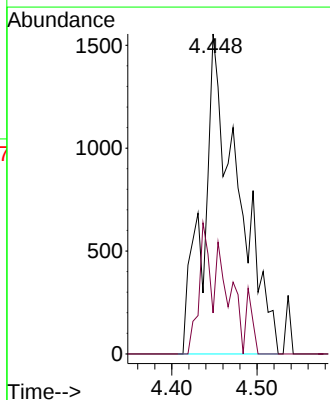
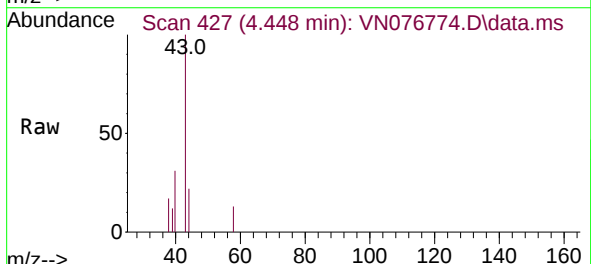
Manual Integrations
APPROVED

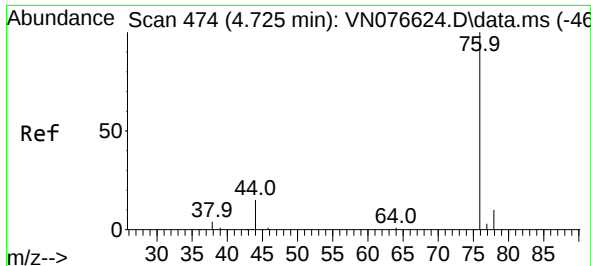
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#16
Acetone
Concen: 3.040 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

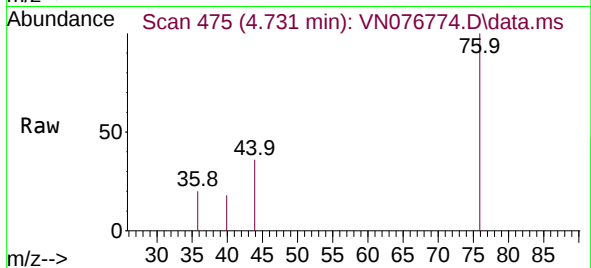
Tgt Ion: 43 Resp: 4370
Ion Ratio Lower Upper
43 100
58 12.8 25.9 38.9





#17
Carbon Disulfide
Concen: 0.458 ug/l
RT: 4.731 min Scan# 475
Delta R.T. 0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

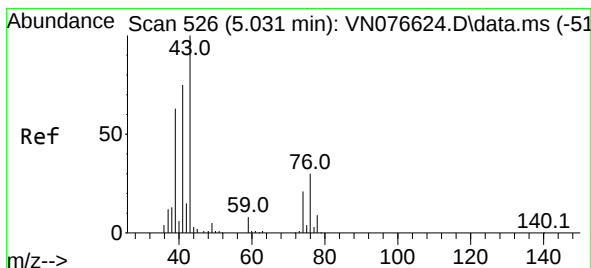
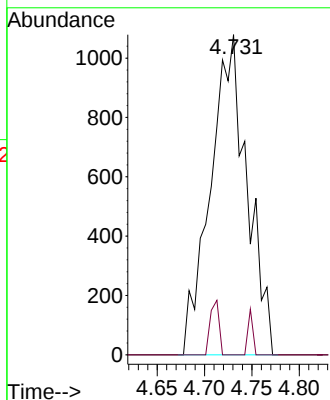
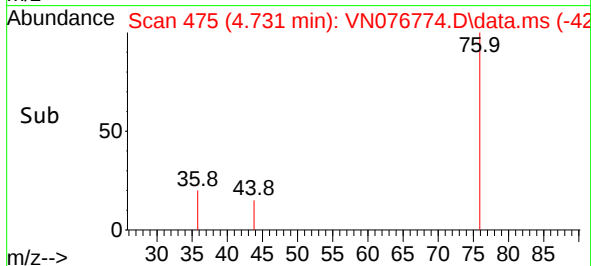
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 76 Resp: 2907
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8

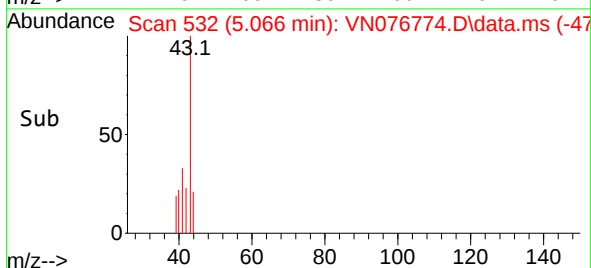
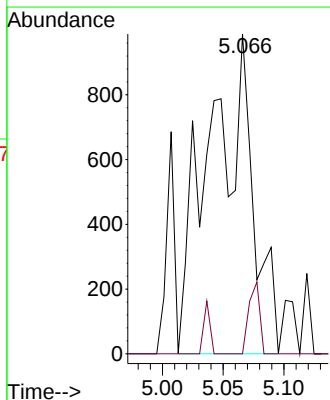
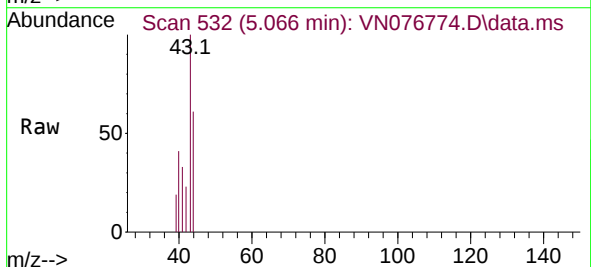
Manual Integrations
APPROVED

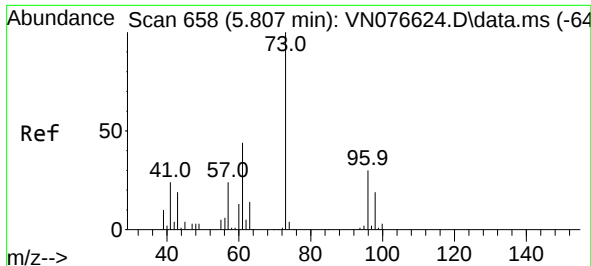
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#18
Methyl Acetate
Concen: 0.529 ug/l m
RT: 5.066 min Scan# 532
Delta R.T. 0.035 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

Tgt Ion: 43 Resp: 2480
Ion Ratio Lower Upper
43 100
74 2.3 17.7 26.5





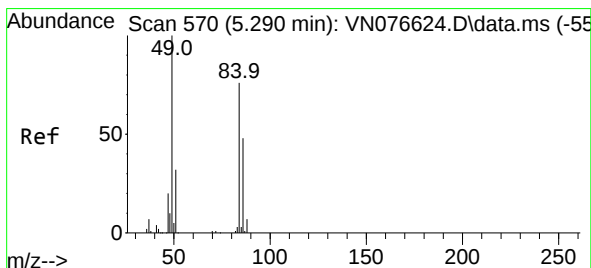
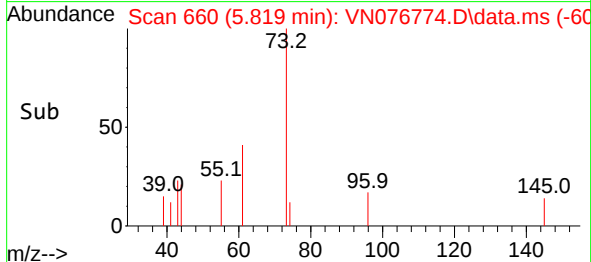
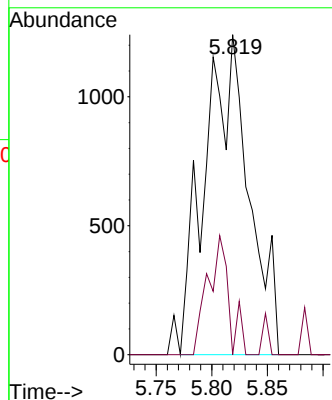
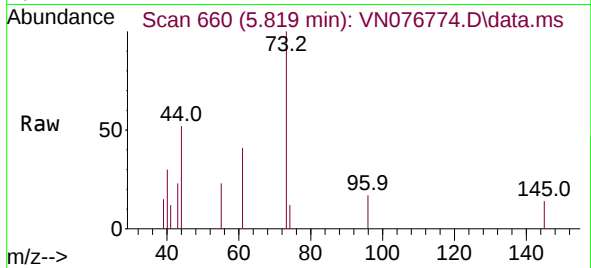
#19
Methyl tert-butyl Ether
Concen: 0.423 ug/l m
RT: 5.819 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

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

Tgt Ion: 73 Resp: 343
Ion Ratio Lower Upper
73 100
57 0.0 19.0 28.4

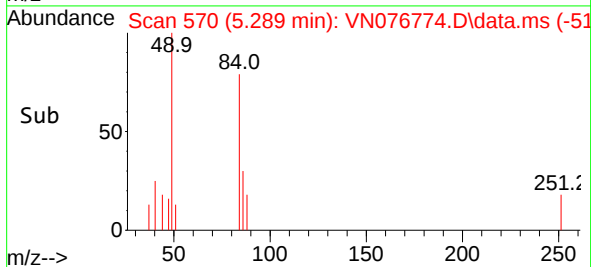
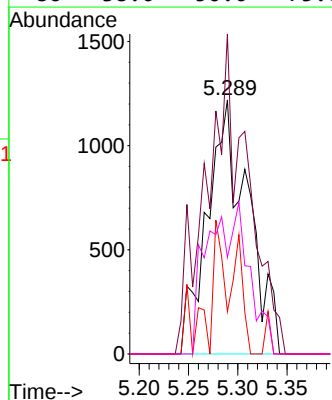
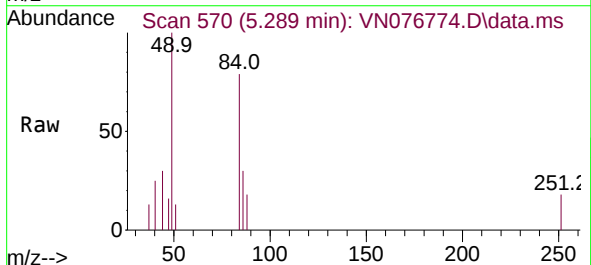
Manual Integrations
APPROVED

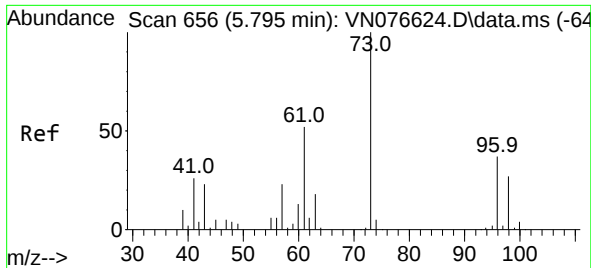
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#20
Methylene Chloride
Concen: 1.163 ug/l m
RT: 5.289 min Scan# 570
Delta R.T. -0.001 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

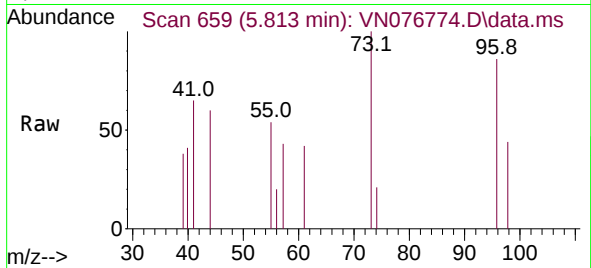
Tgt Ion: 84 Resp: 3504
Ion Ratio Lower Upper
84 100
49 125.9 104.9 157.3
51 16.6 33.8 50.8#
86 38.0 50.0 75.0#





#21
trans-1,2-Dichloroethene
Concen: 0.546 ug/l
RT: 5.813 min Scan# 659
Delta R.T. 0.018 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

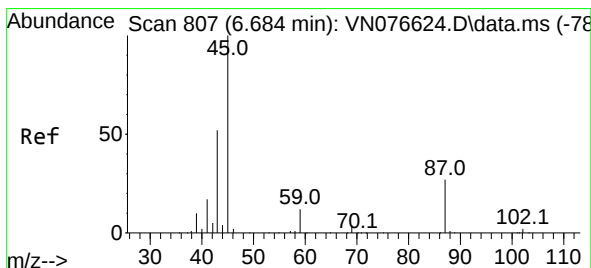
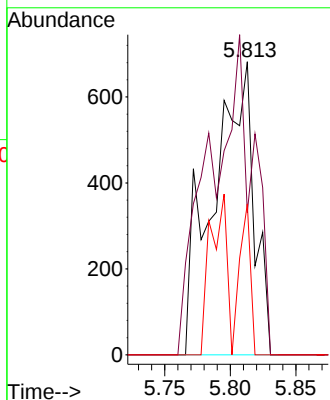
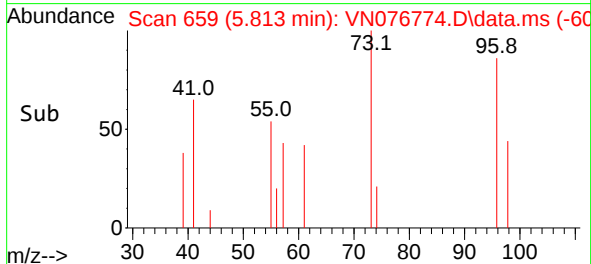
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 96 Resp: 1478
Ion Ratio Lower Upper
96 100
61 48.5 113.9 170.9#
98 51.5 59.4 89.0#

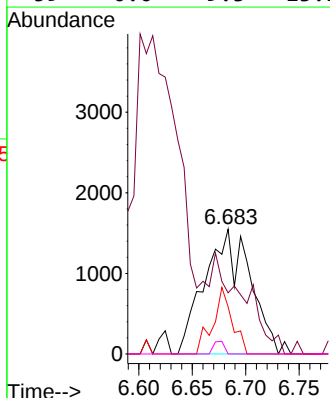
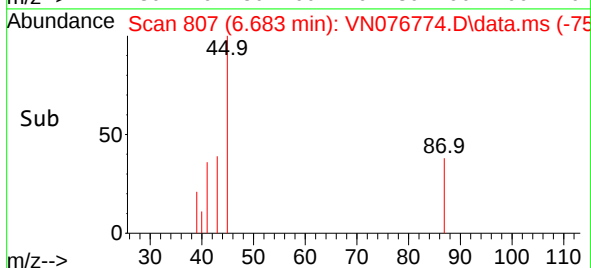
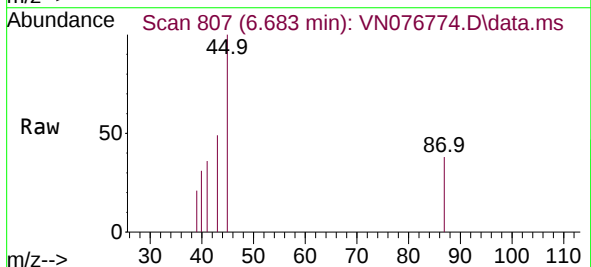
Manual Integrations
APPROVED

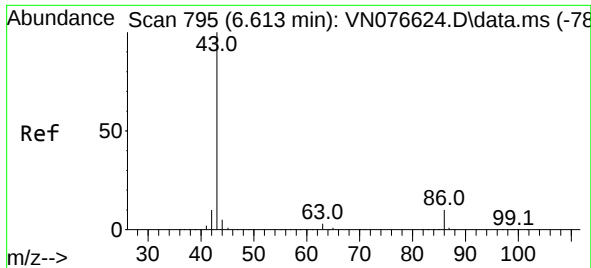
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#22
Diisopropyl ether
Concen: 0.468 ug/l m
RT: 6.683 min Scan# 807
Delta R.T. -0.001 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

Tgt Ion: 45 Resp: 4571
Ion Ratio Lower Upper
45 100
43 49.0 41.8 62.6
87 37.8 21.8 32.8#
59 0.0 9.3 13.9#





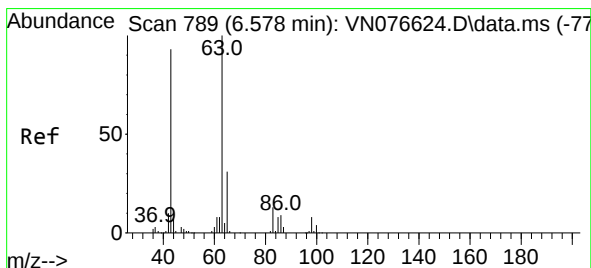
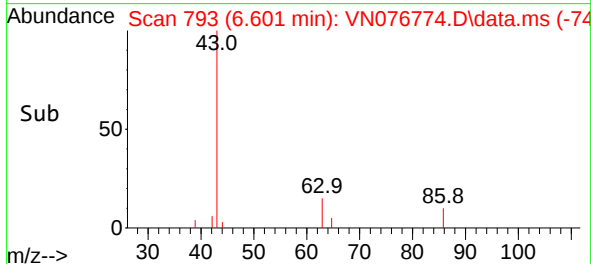
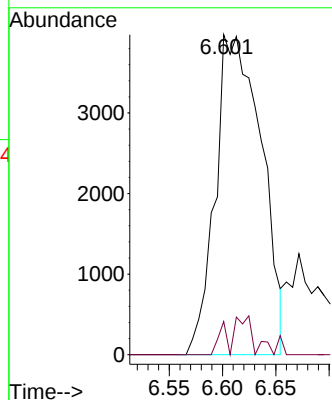
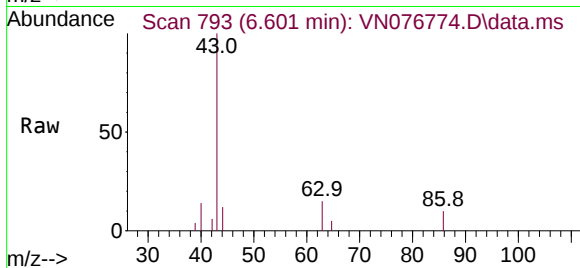
#23
 Vinyl Acetate
 Concen: 2.057 ug/l
 RT: 6.601 min Scan# 795
 Delta R.T. -0.012 min
 Lab File: VN076774.D
 Acq: 22 Feb 2023 16:29

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

Tgt Ion: 43 Resp: 11890
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.2 12.2

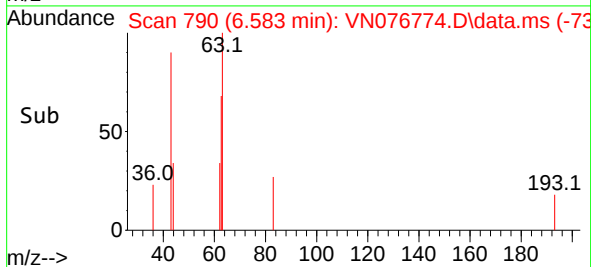
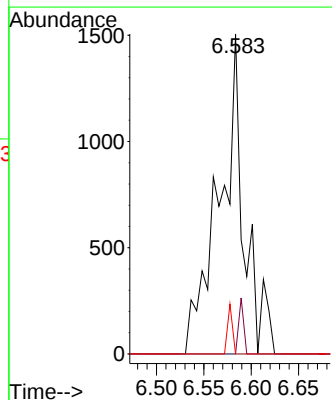
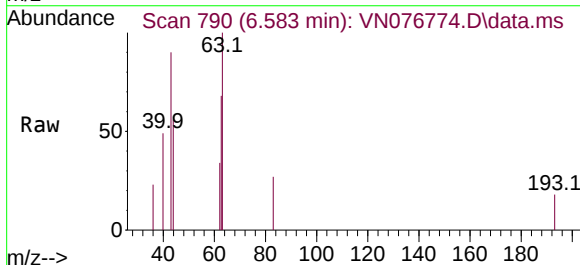
Manual Integrations
 APPROVED

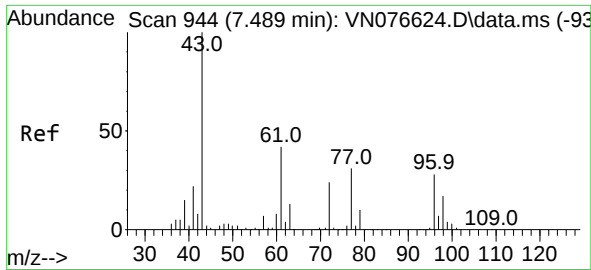
Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#24
 1,1-Dichloroethane
 Concen: 0.511 ug/l
 RT: 6.583 min Scan# 790
 Delta R.T. 0.005 min
 Lab File: VN076774.D
 Acq: 22 Feb 2023 16:29

Tgt Ion: 63 Resp: 2736
 Ion Ratio Lower Upper
 63 100
 98 0.0 4.1 12.3#
 100 0.0 2.0 5.8#





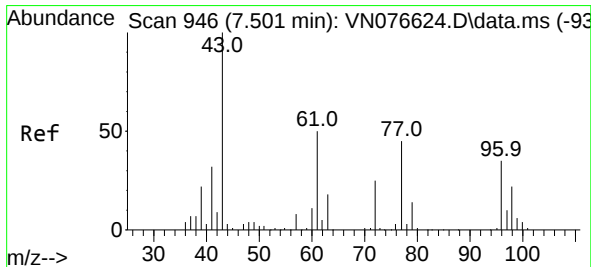
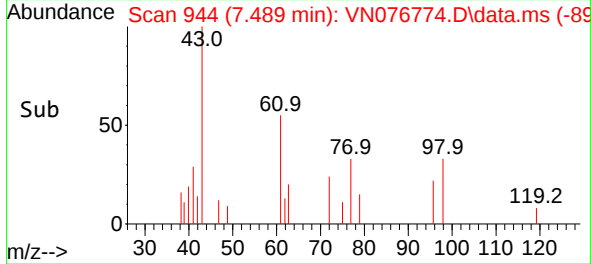
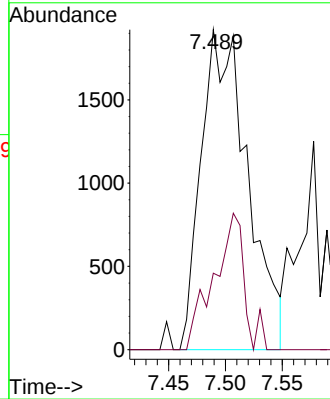
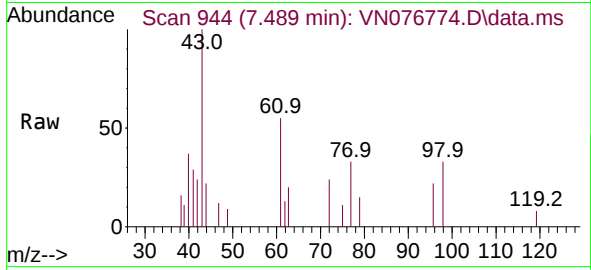
#25
2-Butanone
Concen: 2.576 ug/l
RT: 7.489 min Scan# 944
Delta R.T. 0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

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

Tgt Ion: 43 Resp: 546
Ion Ratio Lower Upper
43 100
72 23.9 19.4 29.2

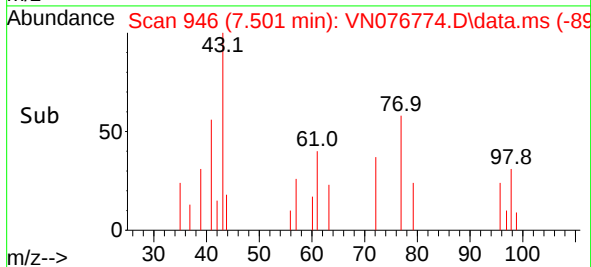
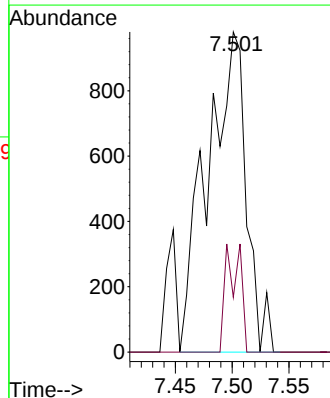
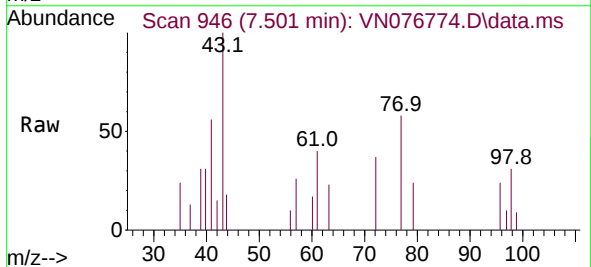
Manual Integrations
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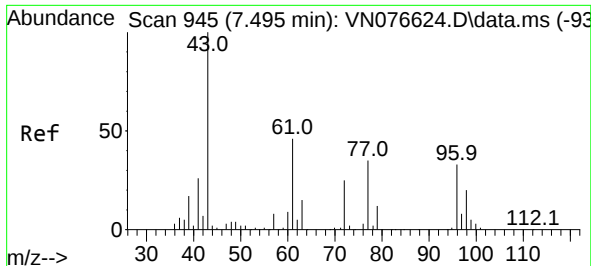
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#26
2,2-Dichloropropane
Concen: 0.603 ug/l
RT: 7.501 min Scan# 946
Delta R.T. 0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

Tgt Ion: 77 Resp: 2331
Ion Ratio Lower Upper
77 100
97 12.6 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 0.374 ug/l

RT: 7.507 min Scan# 94

Delta R.T. 0.012 min

Lab File: VN076774.D

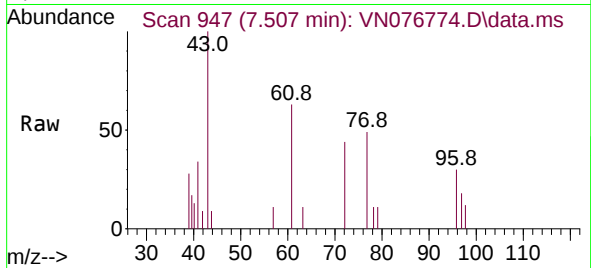
Acq: 22 Feb 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023



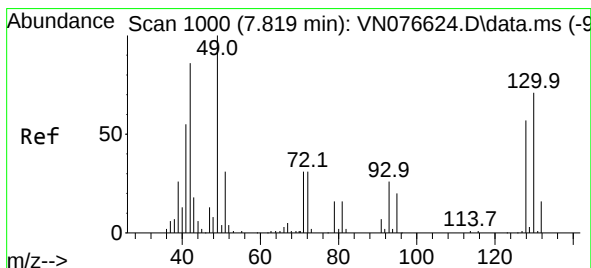
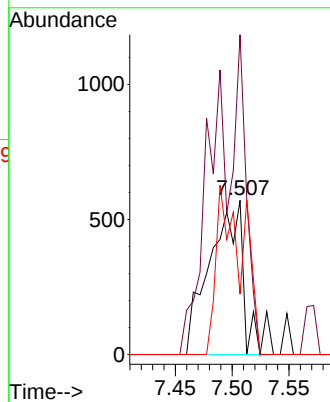
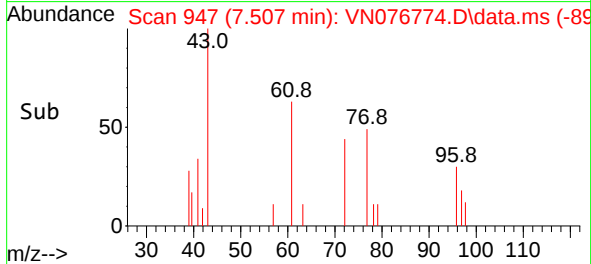
Tgt Ion:	96	Resp:	1200
Ion	Ratio	Lower	Upper
96	100		
61	111.4	0.0	286.8
98	83.8	0.0	124.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#28

Bromochloromethane

Concen: 0.666 ug/l

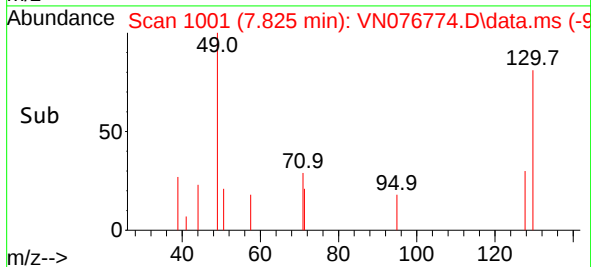
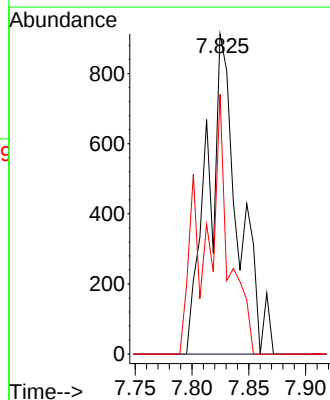
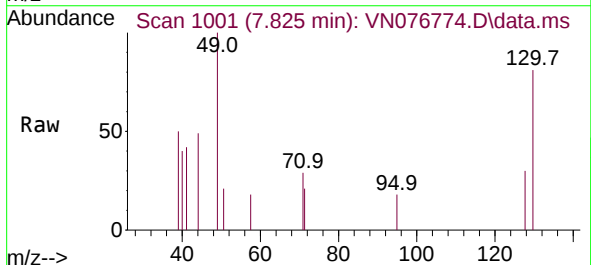
RT: 7.825 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Tgt Ion:	49	Resp:	1697
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.0
130	45.0	57.8	86.8#





#29

Tetrahydrofuran

Concen: 2.007 ug/l

RT: 7.848 min Scan# 1005

Delta R.T. 0.006 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

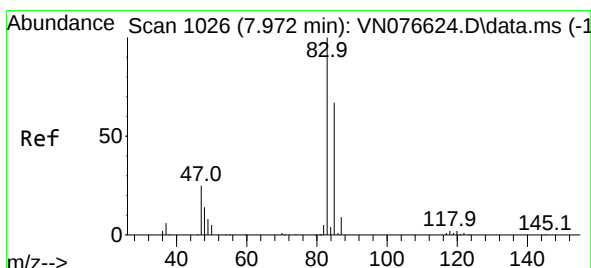
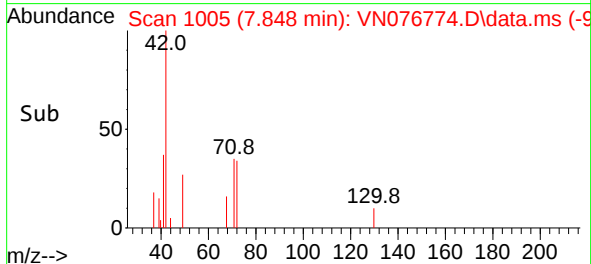
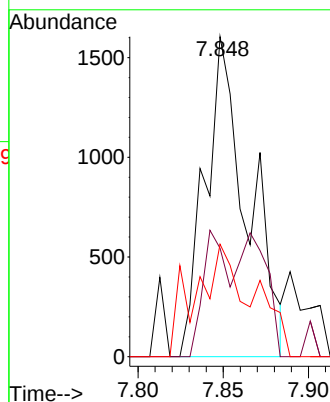
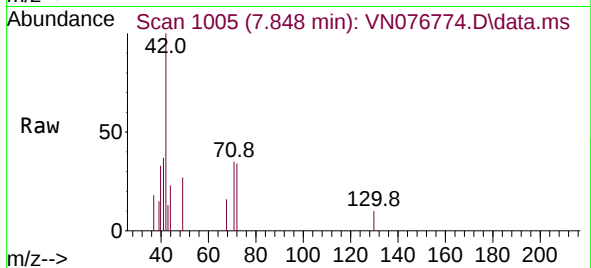
Tgt Ion: 42 Resp: 2780
 Ion Ratio Lower Upper
 42 100
 72 22.6 31.5 47.3
 71 36.4 29.8 44.8

Manual Integrations

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Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#30

Chloroform

Concen: 0.536 ug/l

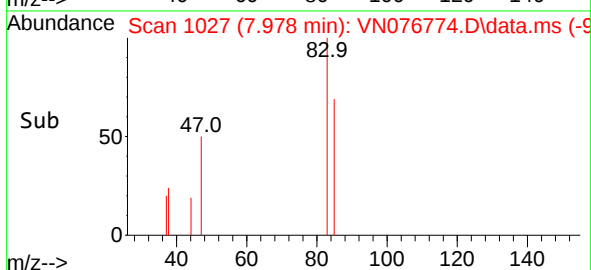
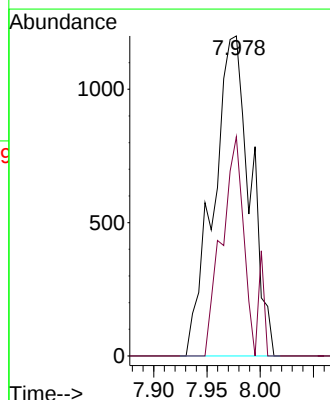
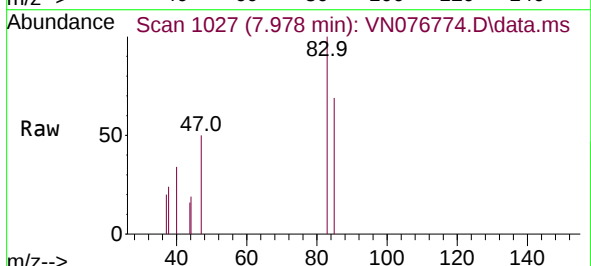
RT: 7.978 min Scan# 1027

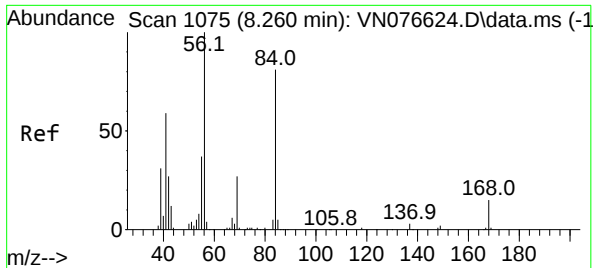
Delta R.T. 0.006 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Tgt Ion: 83 Resp: 2868
 Ion Ratio Lower Upper
 83 100
 85 68.5 53.5 80.3





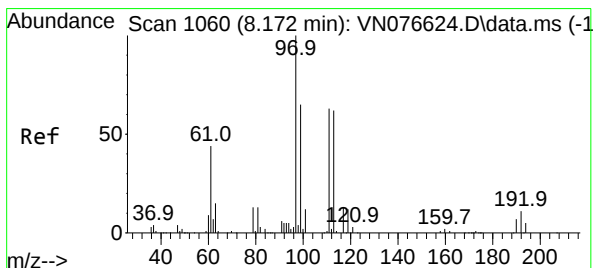
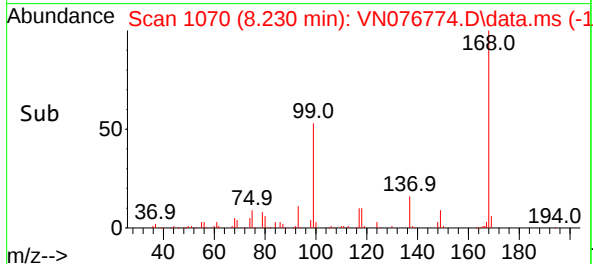
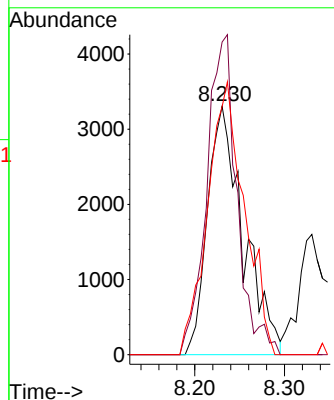
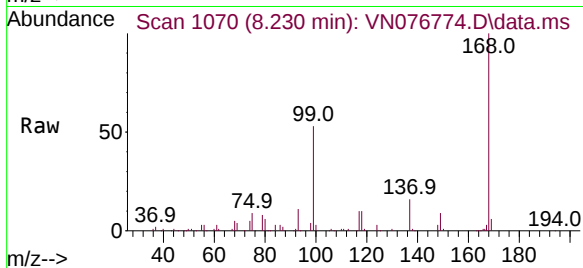
#31
Cyclohexane
Concen: 1.816 ug/l
RT: 8.230 min Scan# 1075
Delta R.T. -0.030 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

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

Tgt Ion: 56 Resp: 916
Ion Ratio Lower Upper
56 100
69 125.9 21.6 32.4#
84 99.9 65.1 97.7#

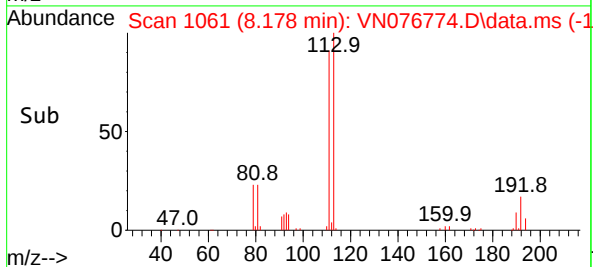
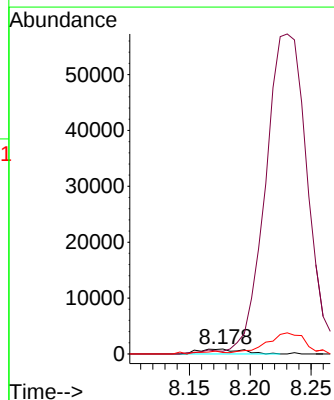
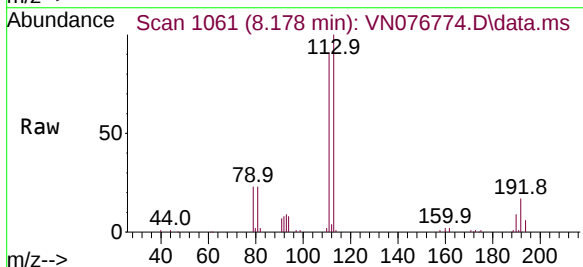
Manual Integrations
APPROVED

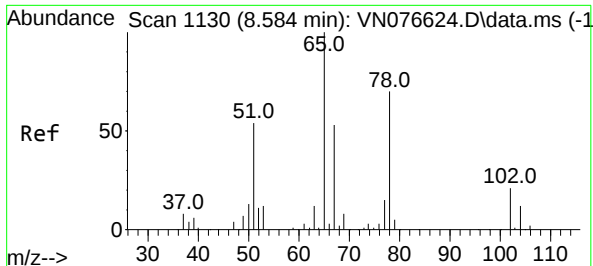
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#32
1,1,1-Trichloroethane
Concen: 0.480 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. 0.005 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

Tgt Ion: 97 Resp: 2159
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8#
61 31.5 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 59.024 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 65 Resp: 189938

Ion Ratio Lower Upper

65 100

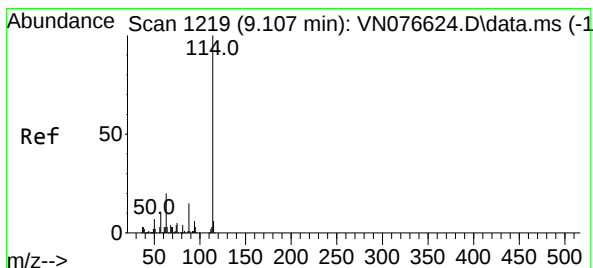
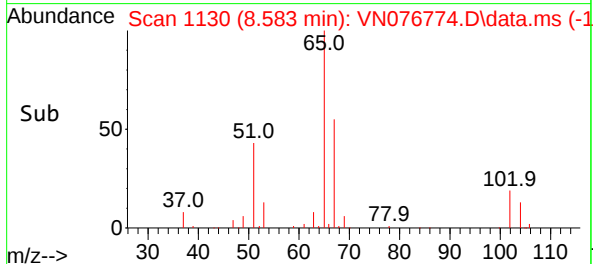
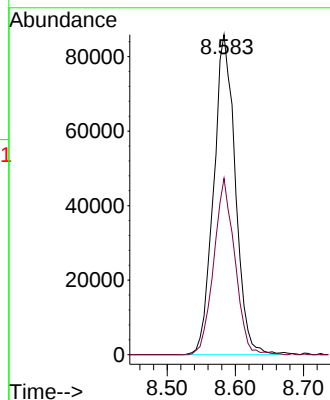
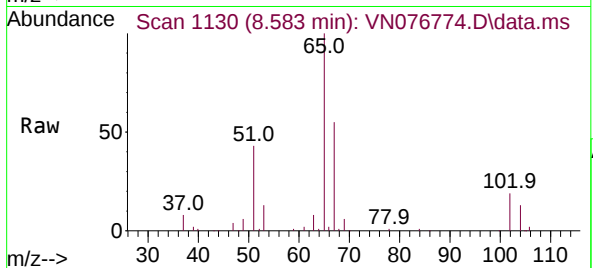
67 53.5 0.0 105.6

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: VN076774.D

Acq: 22 Feb 2023 16:29

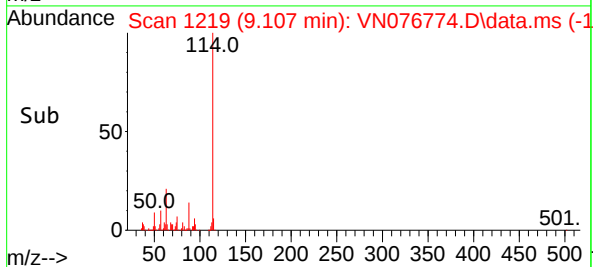
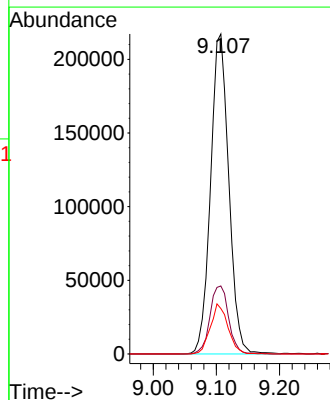
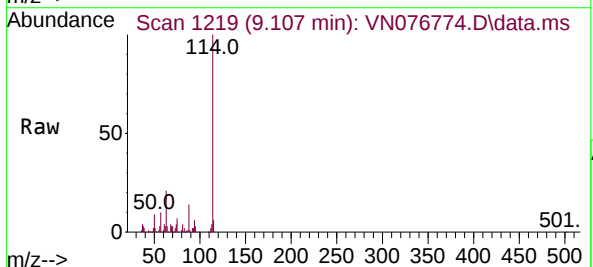
Tgt Ion:114 Resp: 435493

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

88 14.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 51.205 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076774.D

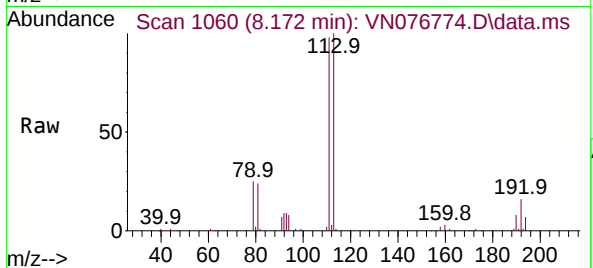
Acq: 22 Feb 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

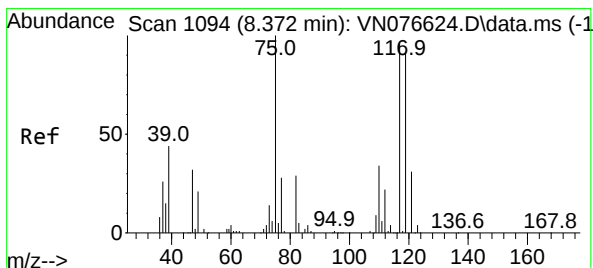
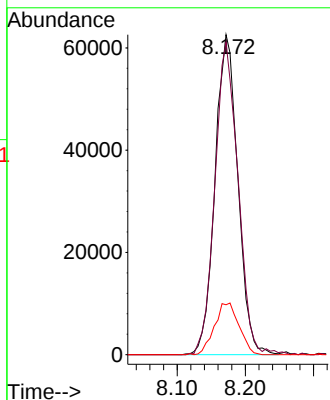
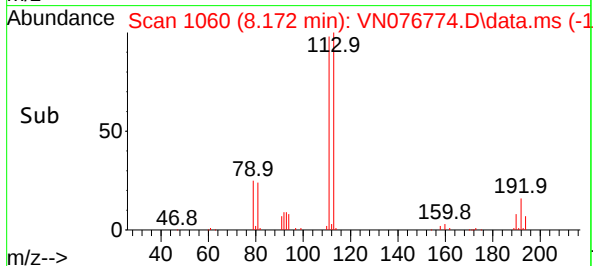


Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.1	83.1	124.7
192	17.3	15.6	23.4

Manual Integrations
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Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#36

1,1-Dichloropropene

Concen: 0.441 ug/l

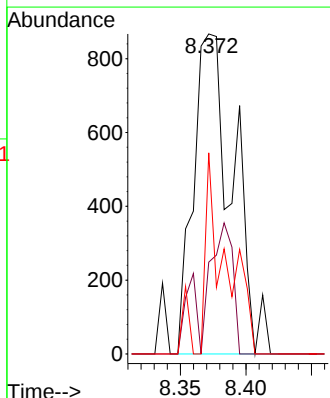
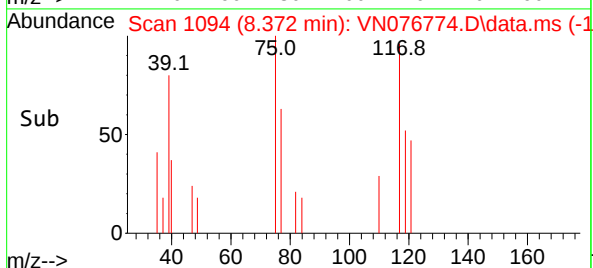
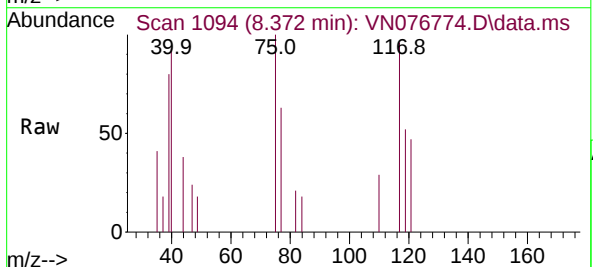
RT: 8.372 min Scan# 1094

Delta R.T. -0.000 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	22.5	17.5	52.5
77	35.1	24.5	36.7





#37

Ethyl Acetate

Concen: 0.537 ug/l m

RT: 7.578 min Scan# 9

Delta R.T. 0.012 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

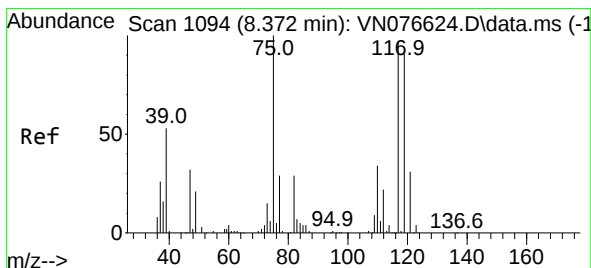
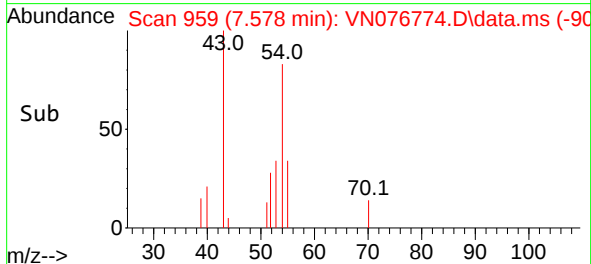
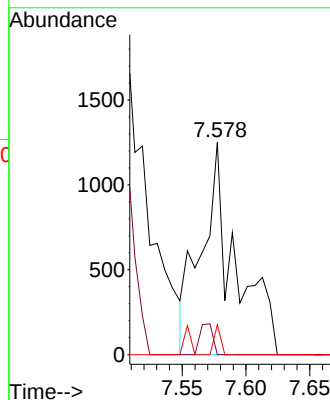
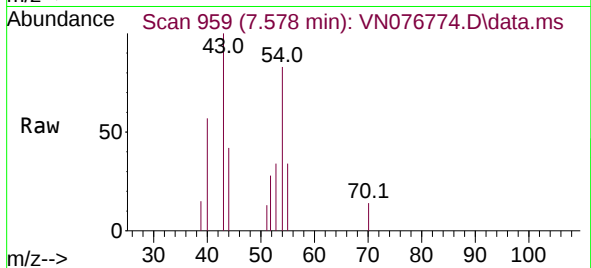
Tgt Ion: 43	Resp: 2320
Ion Ratio	Lower Upper
43 100	
61 5.5	9.9 14.9
70 2.7	7.8 11.6

Manual Integrations

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Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#38

Carbon Tetrachloride

Concen: 0.499 ug/l

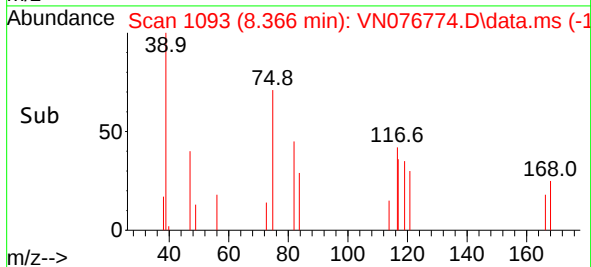
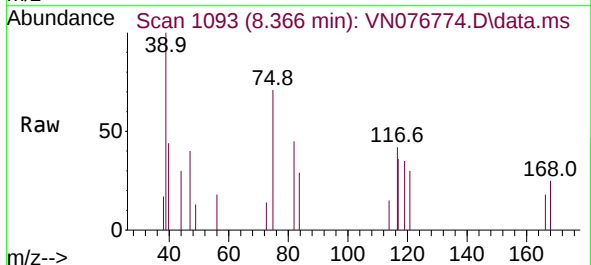
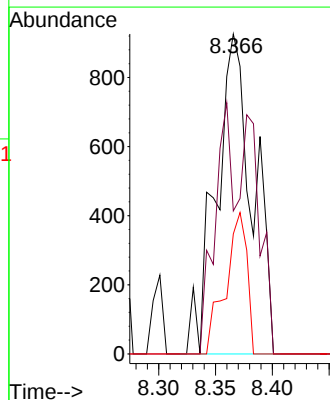
RT: 8.366 min Scan# 1093

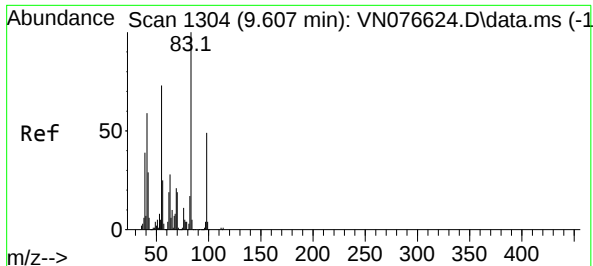
Delta R.T. -0.006 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Tgt Ion:117	Resp: 2076
Ion Ratio	Lower Upper
117 100	
119 44.7	75.4 113.0
121 37.5	26.0 39.0





#39

Methylcyclohexane

Concen: 0.508 ug/l

RT: 9.601 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN076774.D

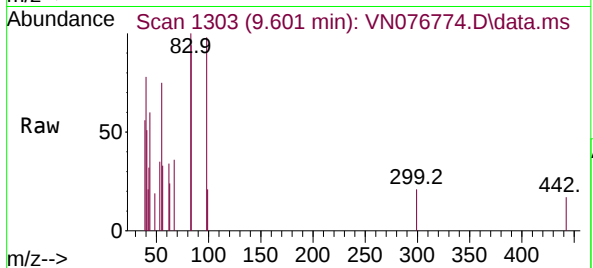
Acq: 22 Feb 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

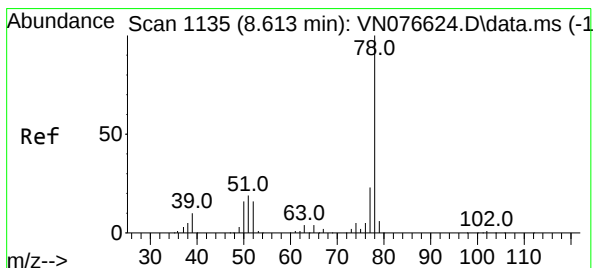
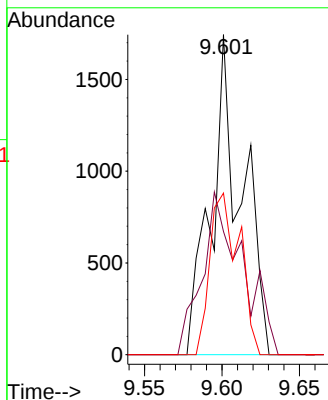
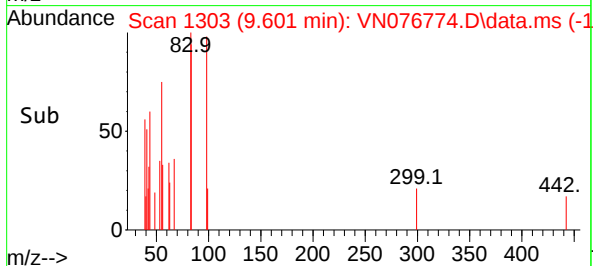


Tgt Ion: 83	Resp: 238
Ion Ratio	Lower Upper
83	100
55	38.5 58.6 88.0
98	50.5 39.4 59.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#40

Benzene

Concen: 0.436 ug/l

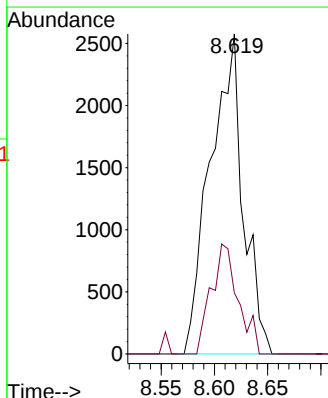
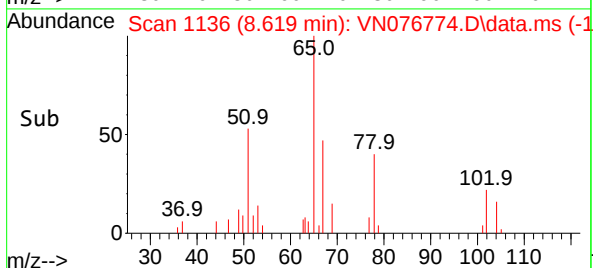
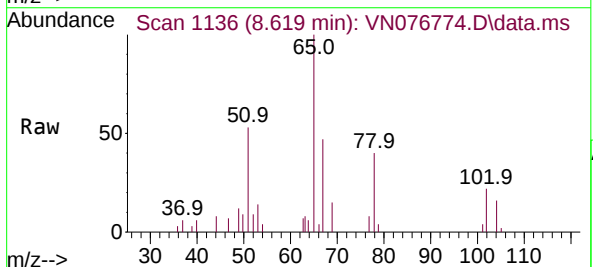
RT: 8.619 min Scan# 1136

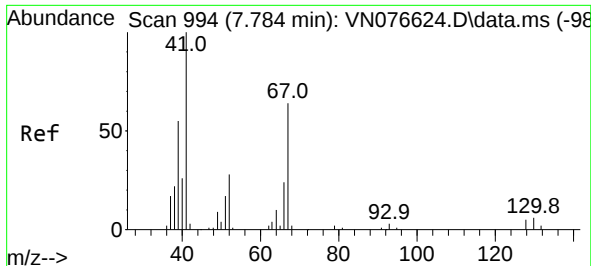
Delta R.T. 0.006 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

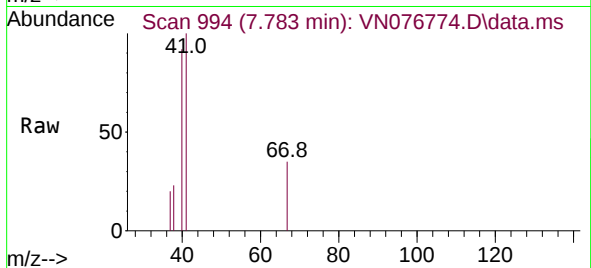
Tgt Ion: 78	Resp: 5519
Ion Ratio	Lower Upper
78	100
77	19.1 18.2 27.4





#41
Methacrylonitrile
Concen: 0.586 ug/l m
RT: 7.783 min Scan# 994
Delta R.T. -0.001 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

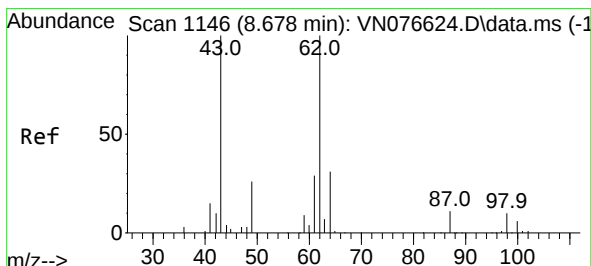
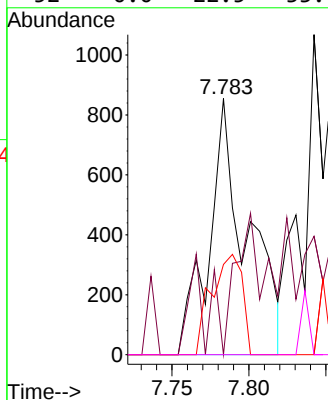
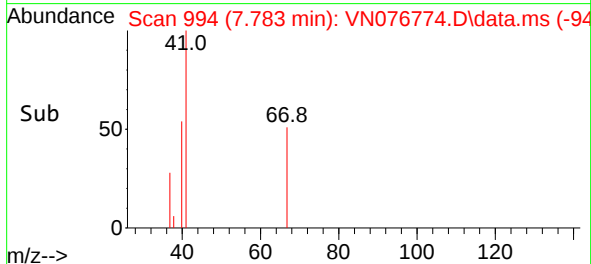
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 41 Resp: 147
Ion Ratio Lower Upper
41 100
39 43.0 42.6 63.8
67 31.8 51.4 77.0
52 0.0 22.5 33.7#

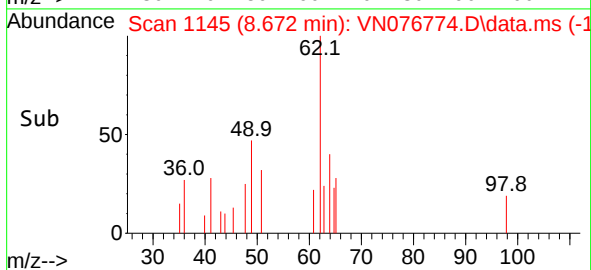
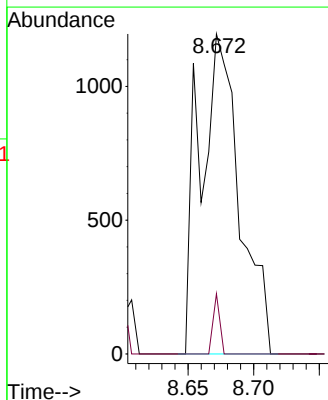
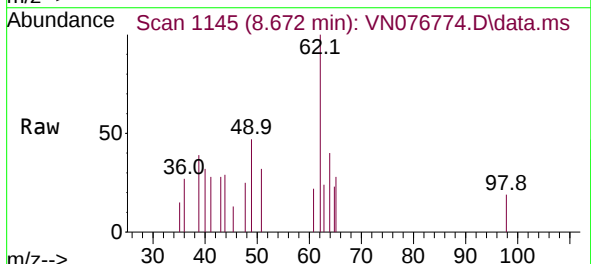
Manual Integrations
APPROVED

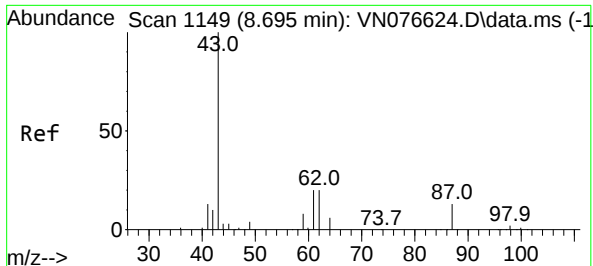
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#42
1,2-Dichloroethane
Concen: 0.572 ug/l
RT: 8.672 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

Tgt Ion: 62 Resp: 2523
Ion Ratio Lower Upper
62 100
98 3.1 0.0 19.2





#43

Isopropyl Acetate

Concen: 0.415 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

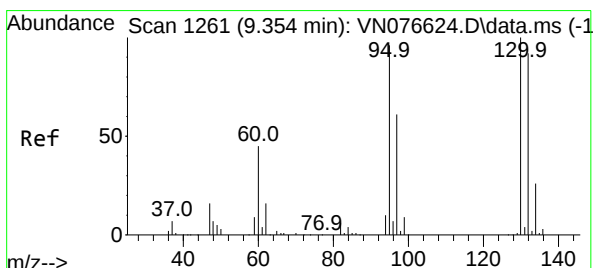
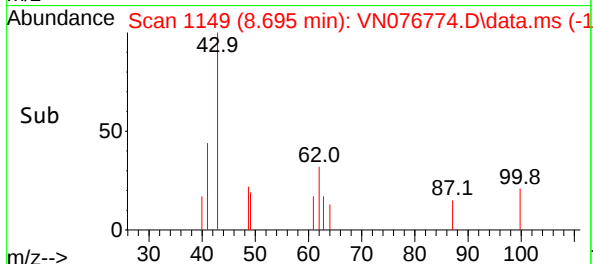
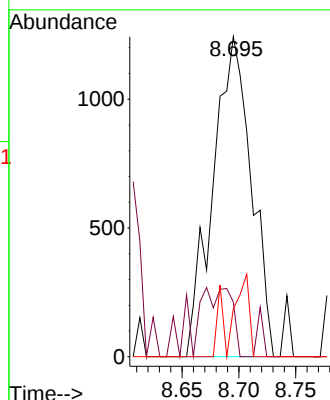
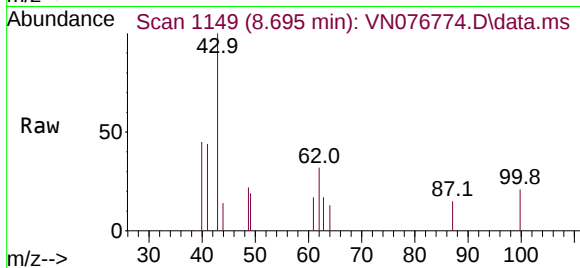
Tgt Ion: 43	Resp: 2930
Ion Ratio	Lower Upper
43 100	
61 0.0	20.0 30.0
87 9.0	9.9 14.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#44

Trichloroethene

Concen: 0.527 ug/l

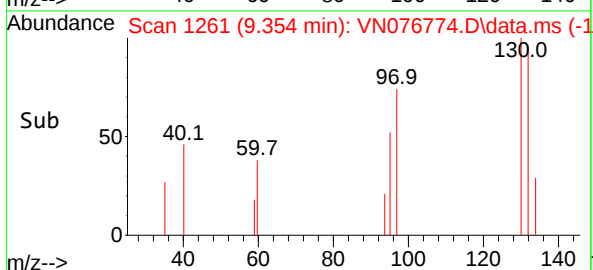
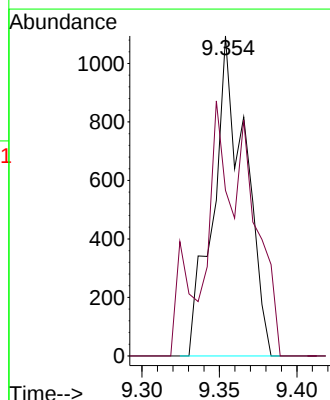
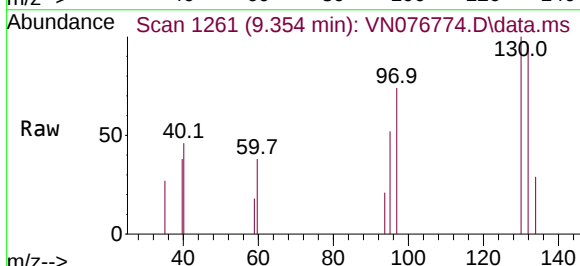
RT: 9.354 min Scan# 1261

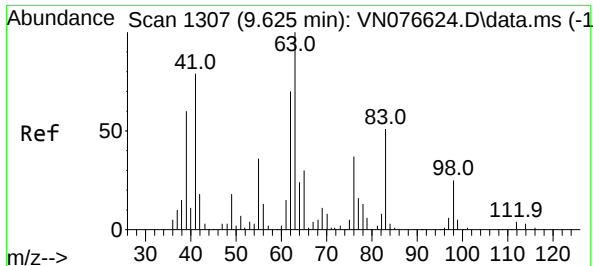
Delta R.T. -0.000 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Tgt Ion:130	Resp: 1576
Ion Ratio	Lower Upper
130 100	
95 51.7	0.0 191.4





#45

1,2-Dichloropropane

Concen: 0.379 ug/l

RT: 9.619 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Instrument :

MSVOA_N

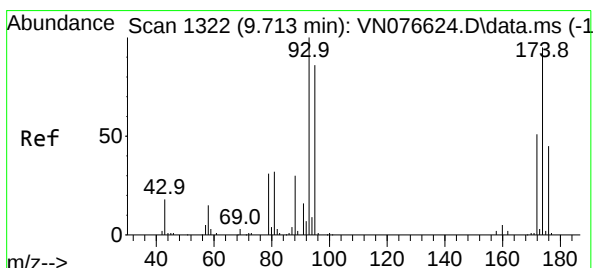
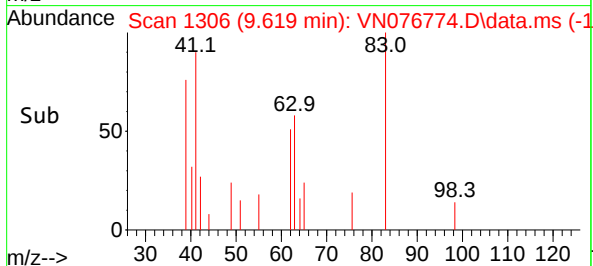
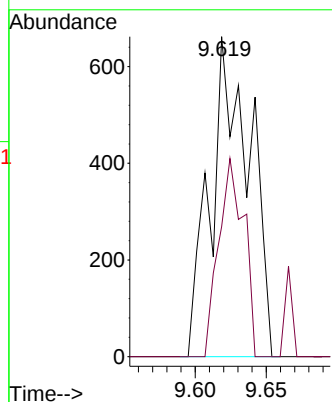
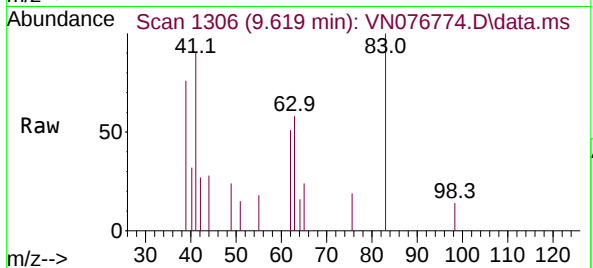
ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 63 Resp: 1269
 Ion Ratio Lower Upper
 63 100
 65 40.6 24.2 36.2

Manual Integrations
 APPROVED

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



#46

Dibromomethane

Concen: 0.385 ug/l

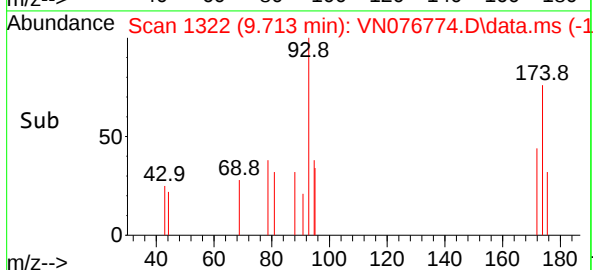
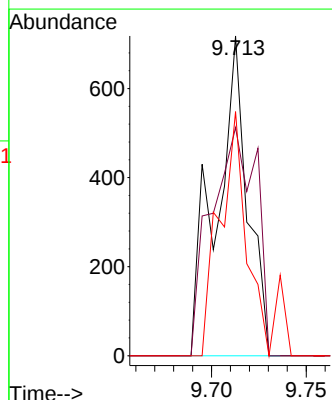
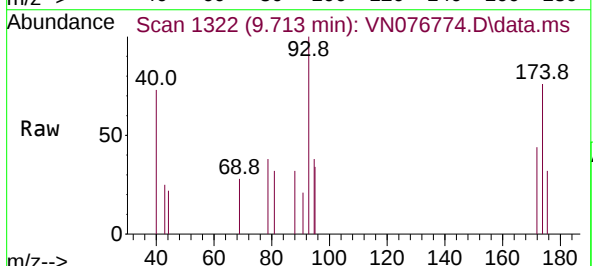
RT: 9.713 min Scan# 1322

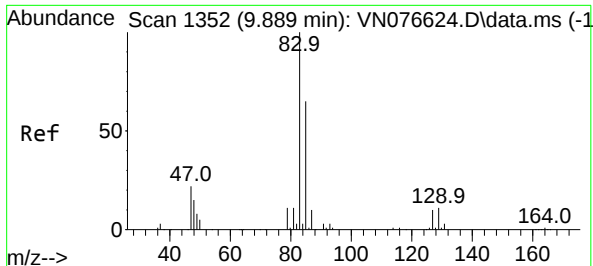
Delta R.T. -0.000 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Tgt Ion: 93 Resp: 825
 Ion Ratio Lower Upper
 93 100
 95 102.3 66.0 99.0#
 174 65.3 75.8 113.8#





#47

Bromodichloromethane

Concen: 0.429 ug/l

RT: 9.883 min Scan# 1352

Delta R.T. -0.006 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

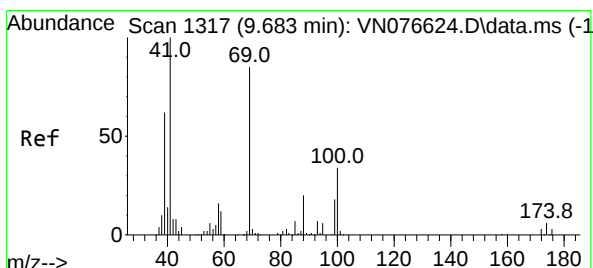
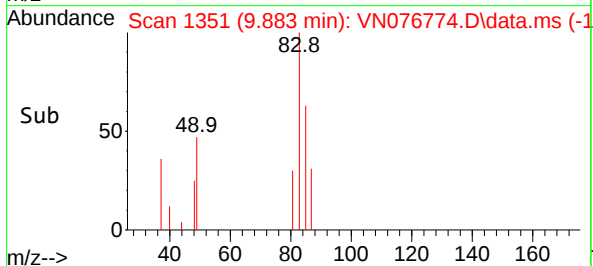
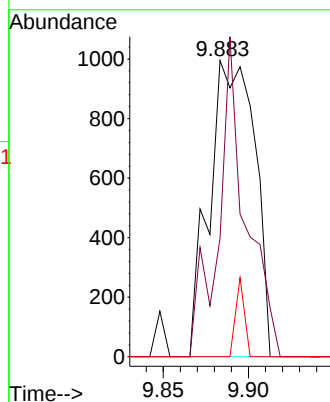
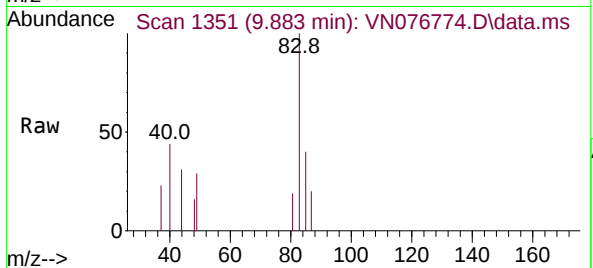
Tgt Ion: 83	Resp: 184
Ion Ratio	Lower Upper
83 100	
85 40.0	51.8 77.6
127 0.0	7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#48

Methyl methacrylate

Concen: 0.470 ug/l

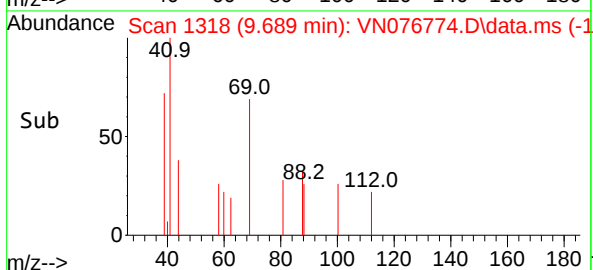
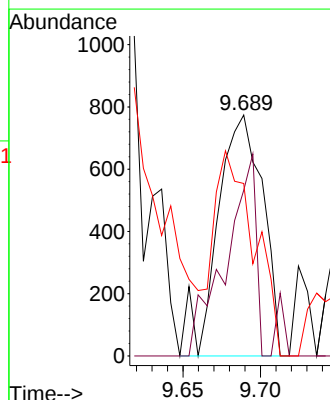
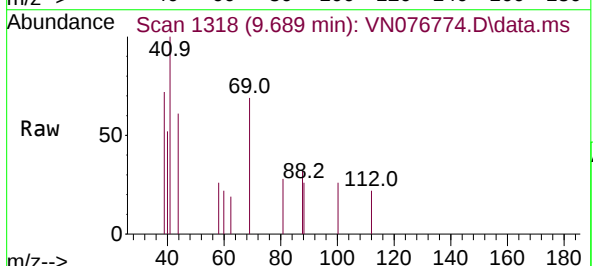
RT: 9.689 min Scan# 1318

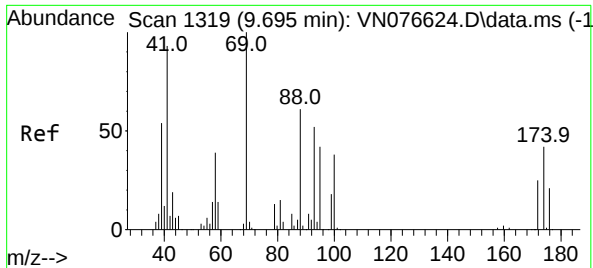
Delta R.T. 0.006 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

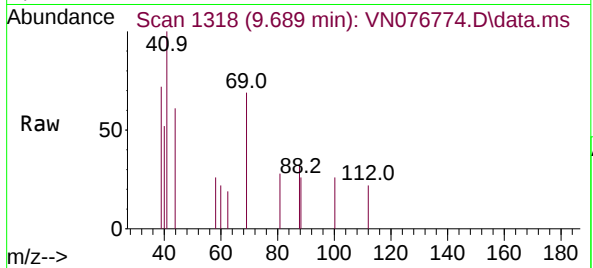
Tgt Ion: 41	Resp: 1574
Ion Ratio	Lower Upper
41 100	
69 55.6	65.4 98.0
39 77.5	49.3 73.9





#49
1,4-Dioxane
Concen: 7.633 ug/l
RT: 9.689 min Scan# 1319
Delta R.T. -0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

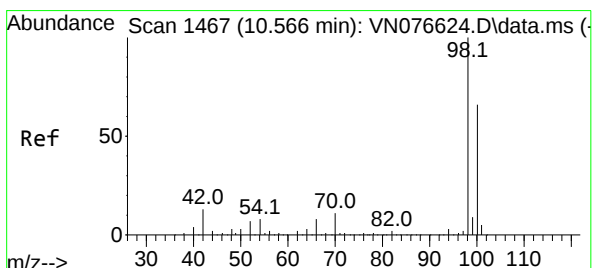
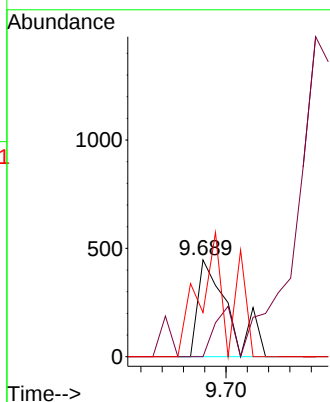
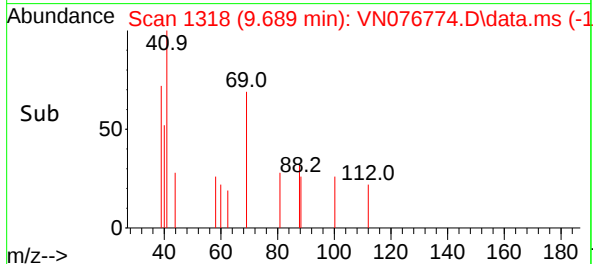
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 88 Resp: 442
Ion Ratio Lower Upper
88 100
43 31.2 22.6 33.8
58 128.5 57.6 86.4

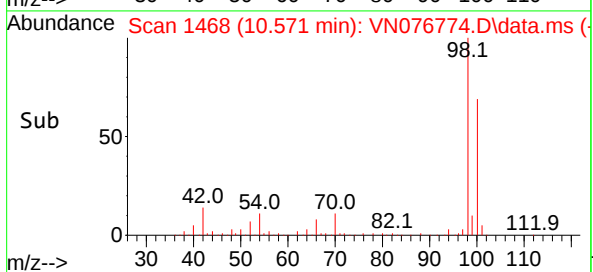
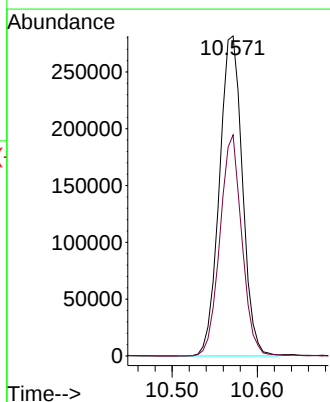
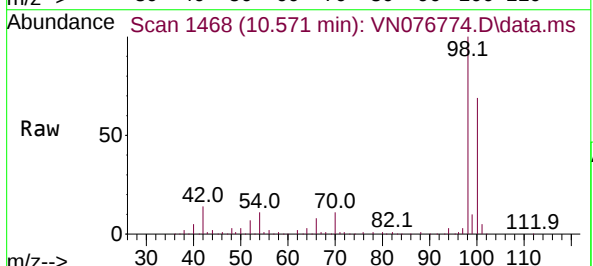
Manual Integrations
APPROVED

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



#50
Toluene-d8
Concen: 49.593 ug/l
RT: 10.571 min Scan# 1468
Delta R.T. 0.005 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

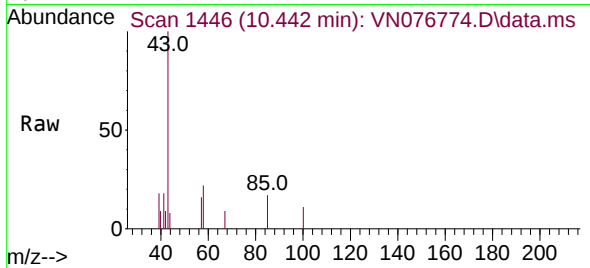
Tgt Ion: 98 Resp: 528208
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3





#51
4-Methyl-2-Pentanone
Concen: 2.171 ug/l
RT: 10.442 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

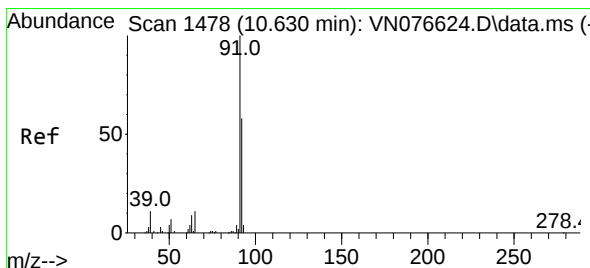
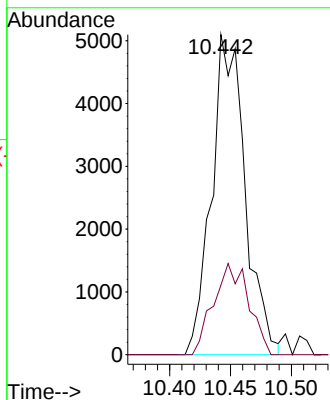
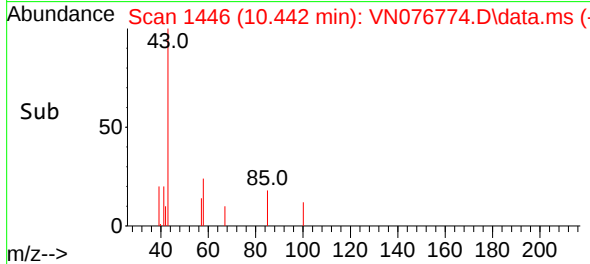
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 43 Resp: 9744
Ion Ratio Lower Upper
43 100
58 30.0 29.5 44.3

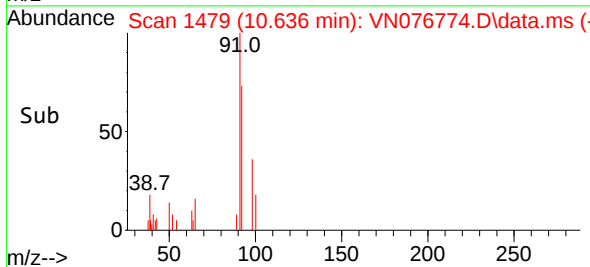
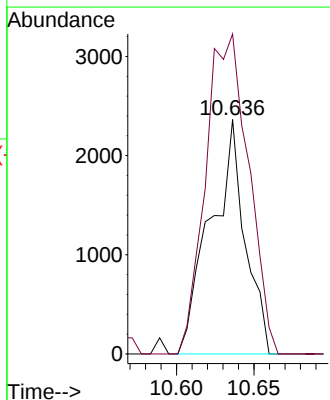
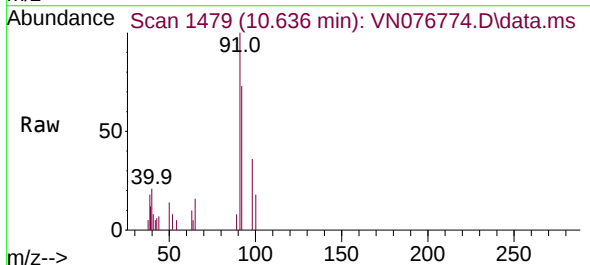
Manual Integrations
APPROVED

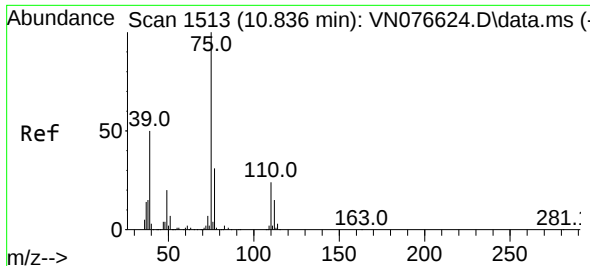
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#52
Toluene
Concen: 0.476 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

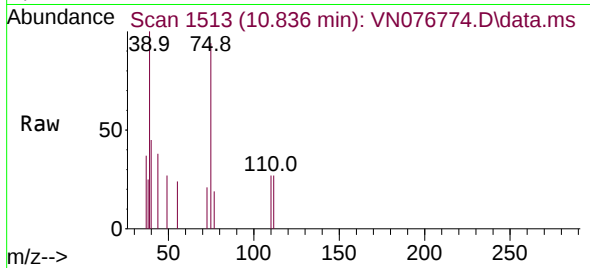
Tgt Ion: 92 Resp: 3640
Ion Ratio Lower Upper
92 100
91 170.7 138.0 207.0





#53
 t-1,3-Dichloropropene
 Concen: 0.360 ug/l
 RT: 10.836 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VN076774.D
 Acq: 22 Feb 2023 16:29

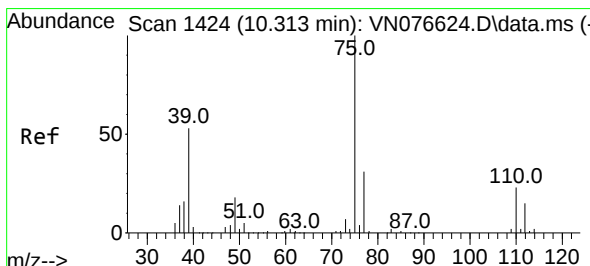
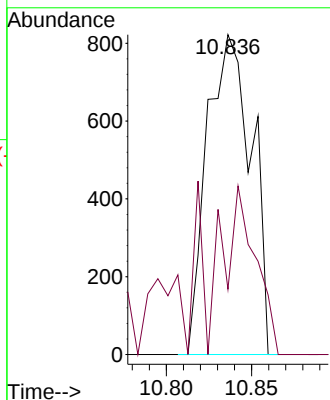
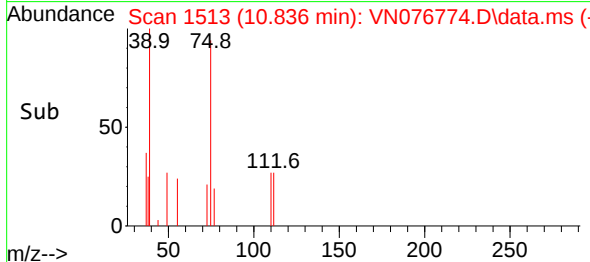
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023



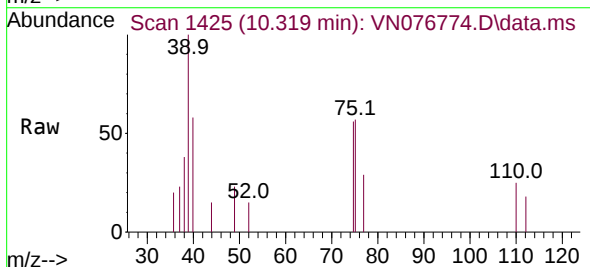
Tgt Ion: 75 Resp: 1490
 Ion Ratio Lower Upper
 75 100
 77 20.4 24.6 37.0

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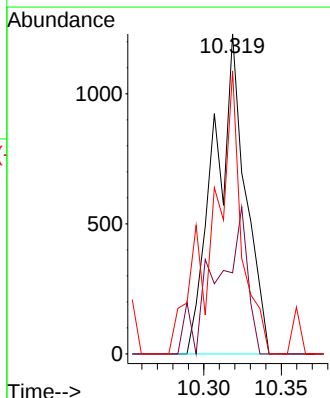
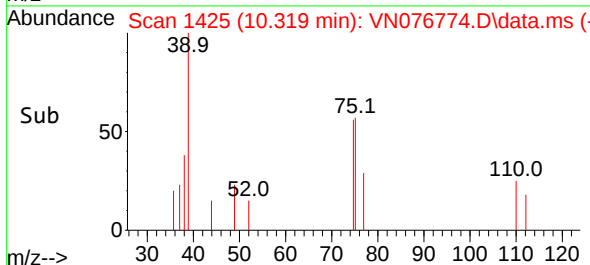
Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023

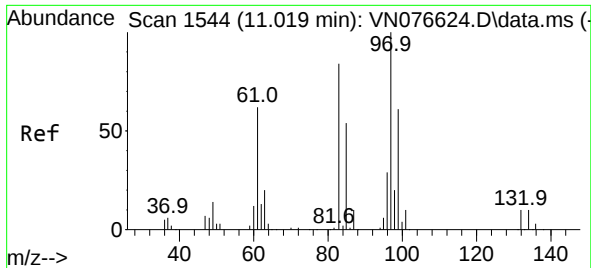


#54
 cis-1,3-Dichloropropene
 Concen: 0.359 ug/l
 RT: 10.319 min Scan# 1425
 Delta R.T. 0.006 min
 Lab File: VN076774.D
 Acq: 22 Feb 2023 16:29



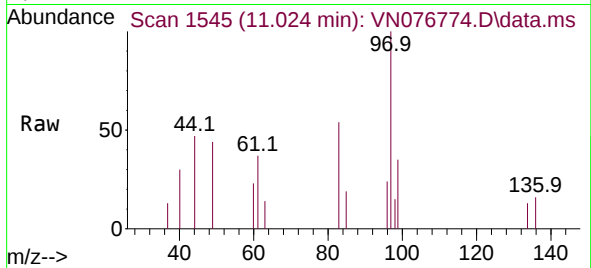
Tgt Ion: 75 Resp: 1717
 Ion Ratio Lower Upper
 75 100
 77 25.4 25.1 37.7
 39 88.5 42.3 63.5





#55
1,1,2-Trichloroethane
Concen: 0.632 ug/l
RT: 11.024 min Scan# 1544
Delta R.T. 0.005 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

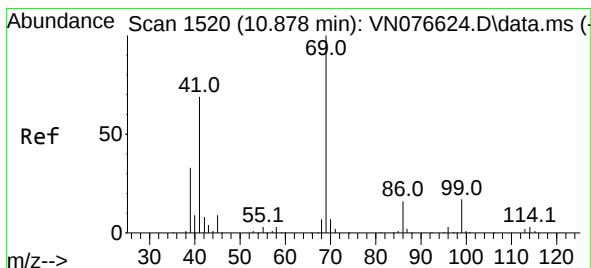
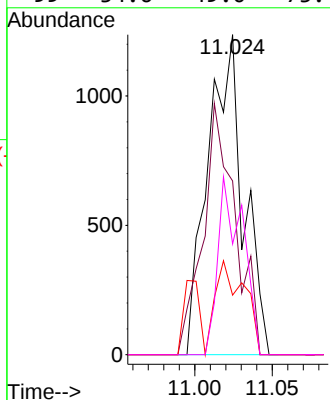
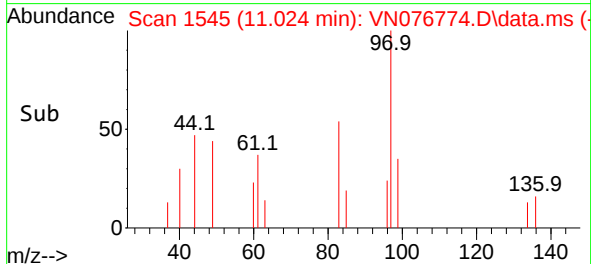
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



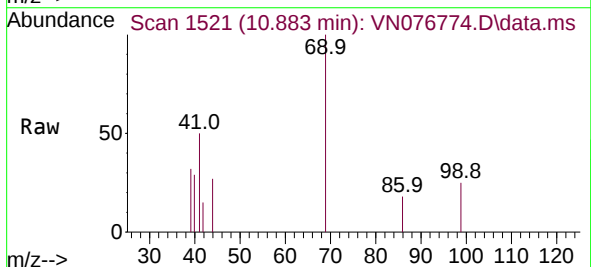
Tgt Ion	Ratio	Lower	Upper
97	100		
83	54.3	67.3	100.9
85	18.6	43.2	64.8
99	34.6	49.0	73.4

Manual Integrations
APPROVED

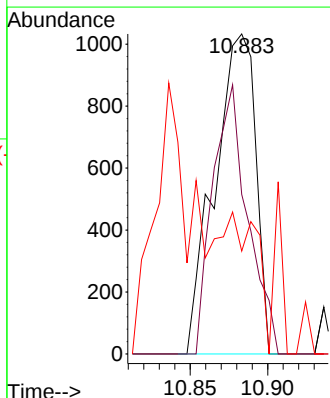
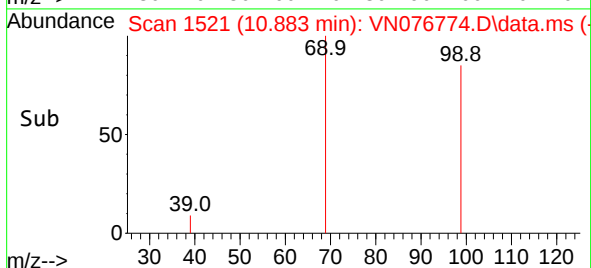
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#56
Ethyl methacrylate
Concen: 0.435 ug/l
RT: 10.883 min Scan# 1521
Delta R.T. 0.005 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29



Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.9	55.1	82.7
39	0.0	30.7	46.1





#57

1,3-Dichloropropane

Concen: 0.506 ug/l

RT: 11.160 min Scan# 1569

Delta R.T. -0.006 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 76 Resp: 270

Ion Ratio Lower Upper

76 100

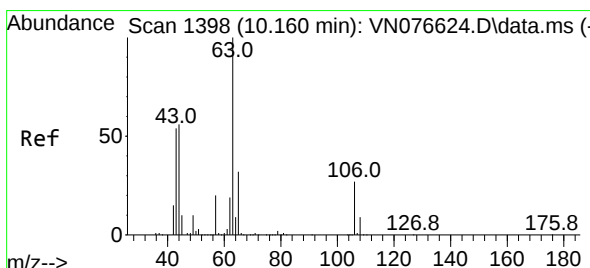
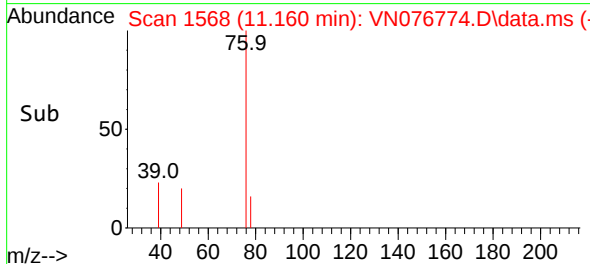
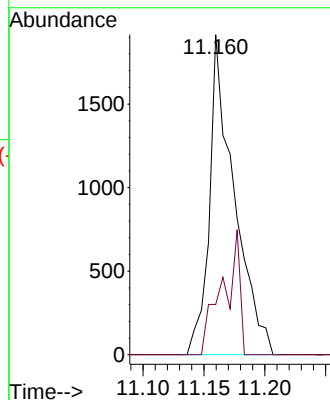
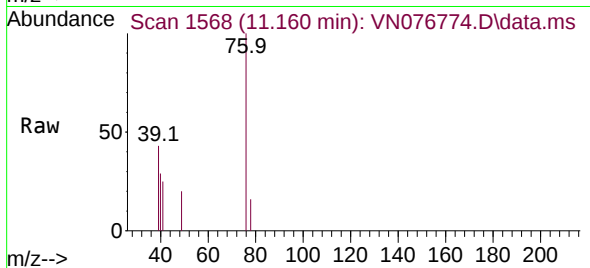
78 27.3 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#58

2-Chloroethyl Vinyl ether

Concen: 2.001 ug/l

RT: 10.154 min Scan# 1397

Delta R.T. -0.006 min

Lab File: VN076774.D

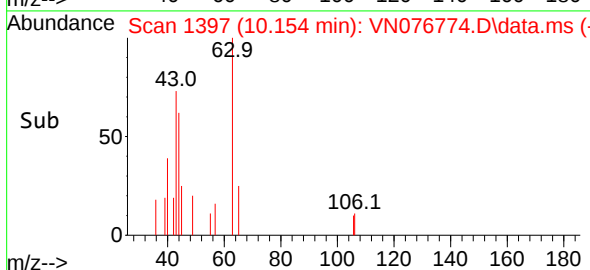
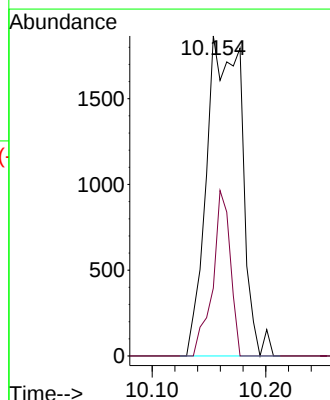
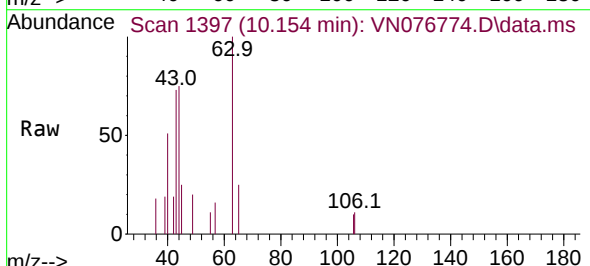
Acq: 22 Feb 2023 16:29

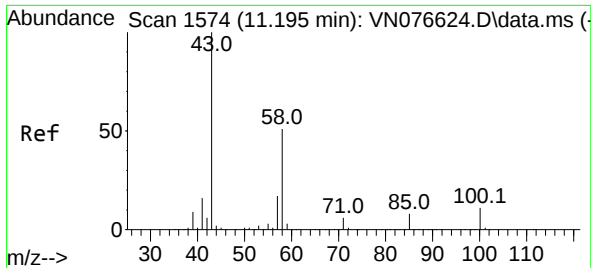
Tgt Ion: 63 Resp: 4007

Ion Ratio Lower Upper

63 100

106 25.9 22.3 33.5





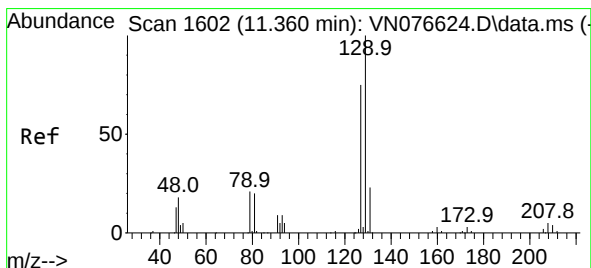
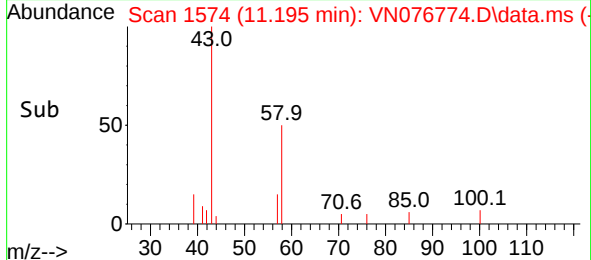
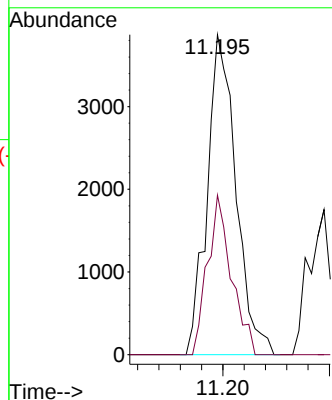
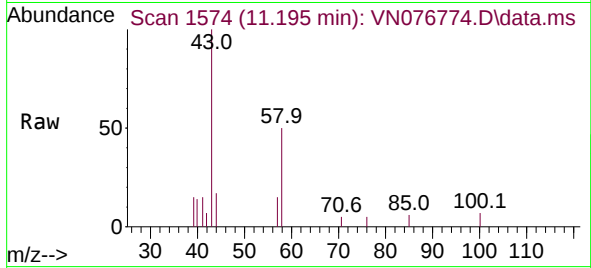
#59
2-Hexanone
Concen: 2.246 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

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

Tgt Ion: 43 Resp: 7268
Ion Ratio Lower Upper
43 100
58 41.4 25.4 76.0

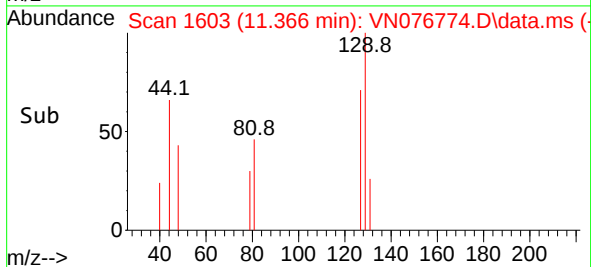
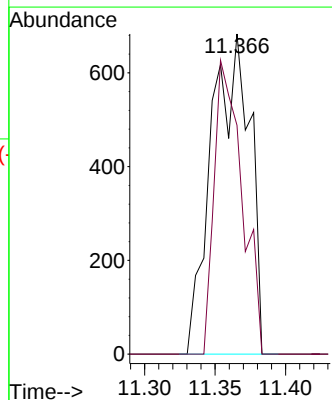
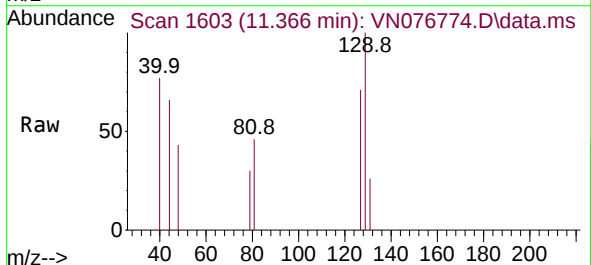
Manual Integrations
APPROVED

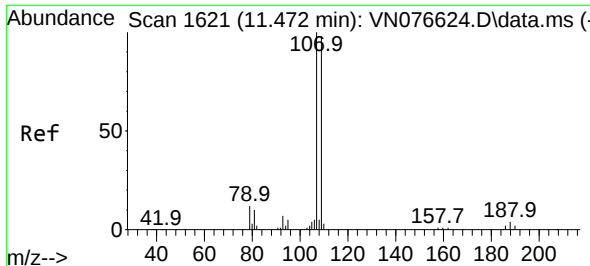
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#60
Dibromochloromethane
Concen: 0.395 ug/l m
RT: 11.366 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

Tgt Ion:129 Resp: 1294
Ion Ratio Lower Upper
129 100
127 66.5 38.8 116.4





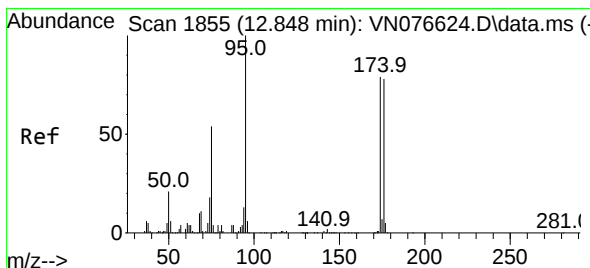
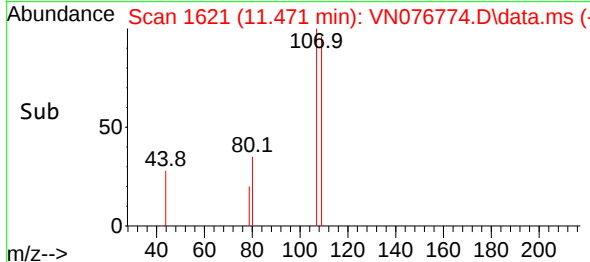
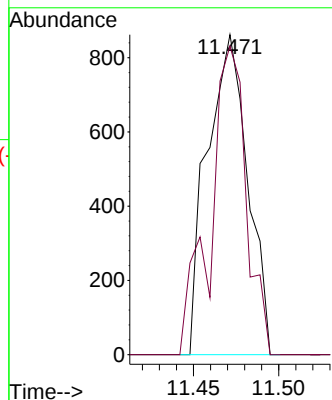
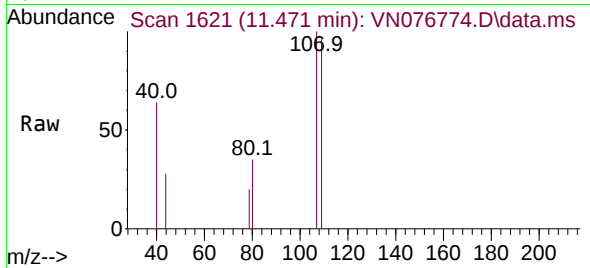
#61
1,2-Dibromoethane
Concen: 0.458 ug/l
RT: 11.471 min Scan# 1621
Delta R.T. -0.001 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

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

Tgt Ion:107 Resp: 1425
Ion Ratio Lower Upper
107 100
109 85.3 76.8 115.2

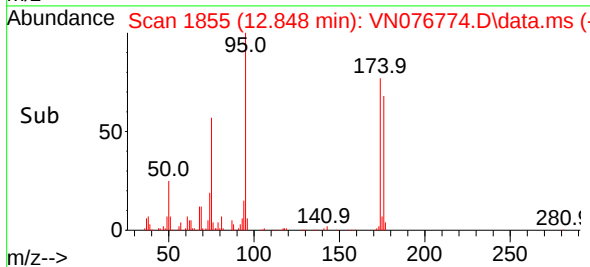
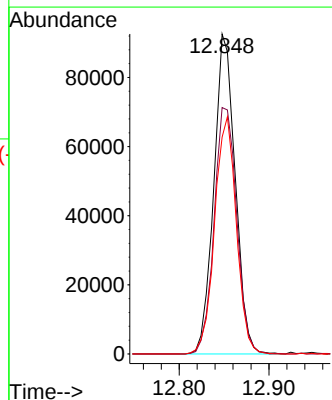
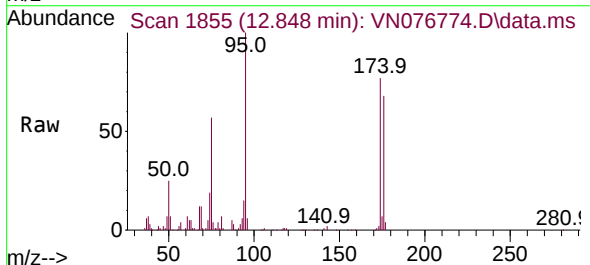
Manual Integrations
APPROVED

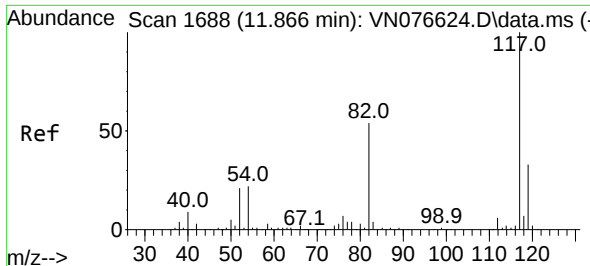
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#62
4-Bromofluorobenzene
Concen: 43.357 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

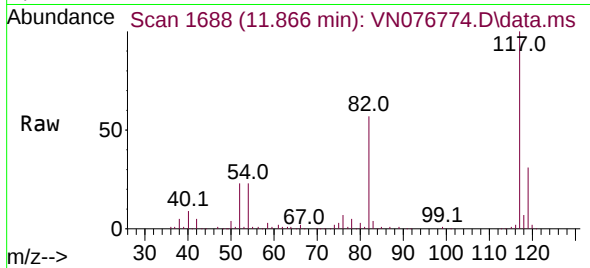
Tgt Ion: 95 Resp: 152946
Ion Ratio Lower Upper
95 100
174 81.6 0.0 169.2
176 75.3 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

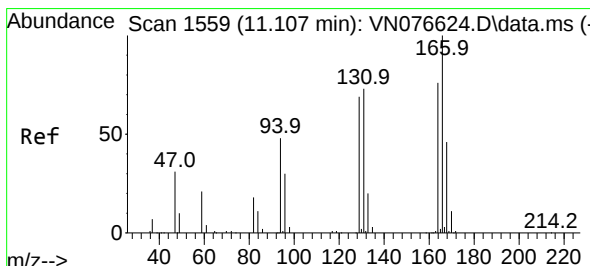
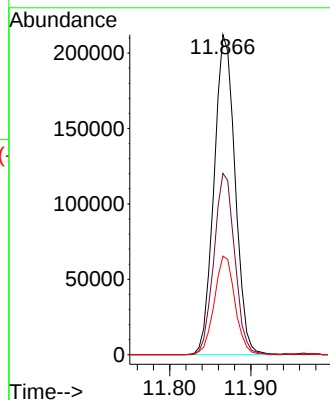
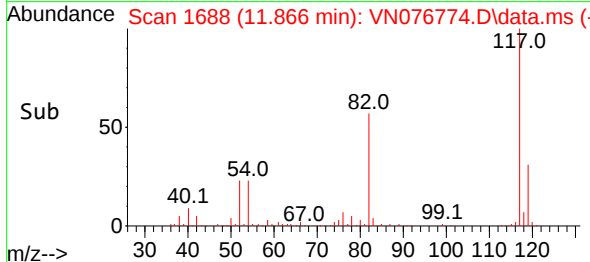
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:117 Resp: 38256
Ion Ratio Lower Upper
117 100
82 56.7 43.4 65.2
119 30.8 26.1 39.1

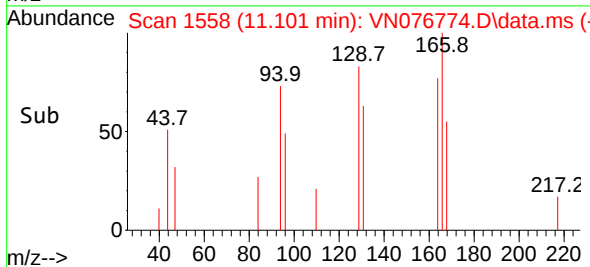
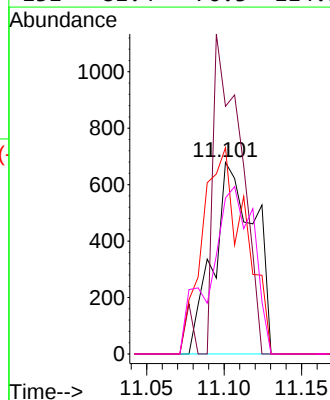
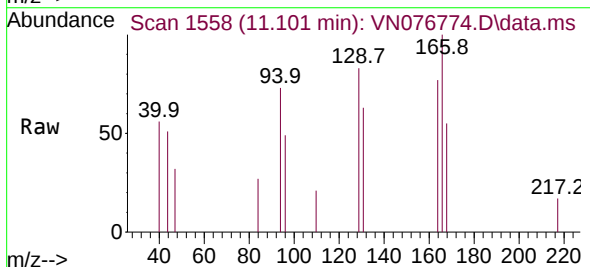
Manual Integrations
APPROVED

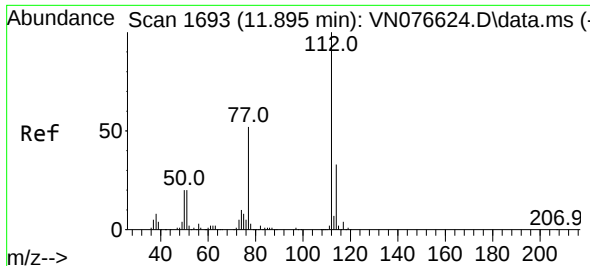
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#64
Tetrachloroethene
Concen: 0.518 ug/l
RT: 11.101 min Scan# 1558
Delta R.T. -0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

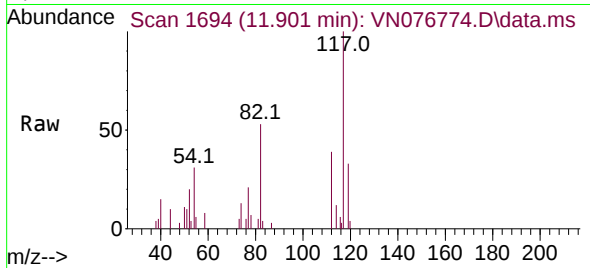
Tgt Ion:164 Resp: 1248
Ion Ratio Lower Upper
164 100
166 129.3 104.8 157.2
129 107.7 72.2 108.2
131 81.4 76.3 114.5





#65
Chlorobenzene
Concen: 0.460 ug/l
RT: 11.901 min Scan# 1693
Delta R.T. 0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

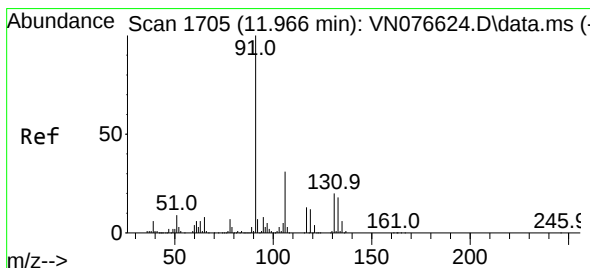
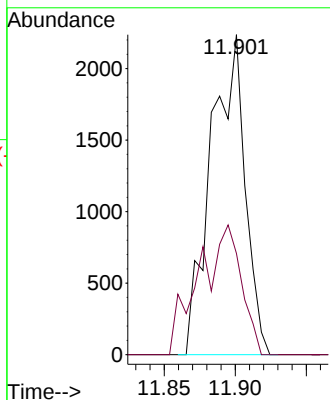
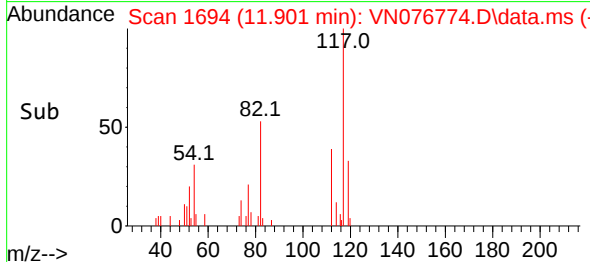
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



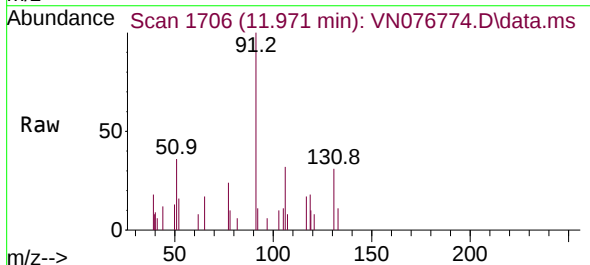
Tgt Ion:112 Resp: 373
Ion Ratio Lower Upper
112 100
114 31.6 26.4 39.6

Manual Integrations
APPROVED

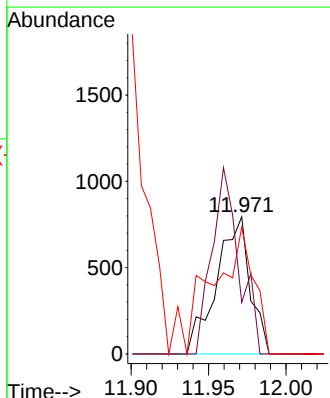
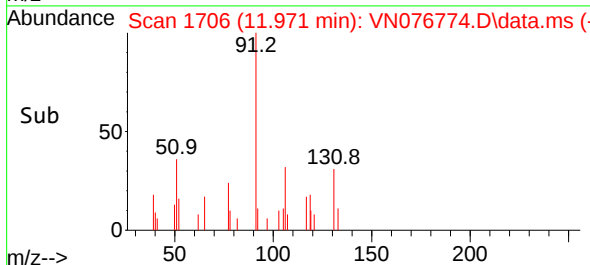
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

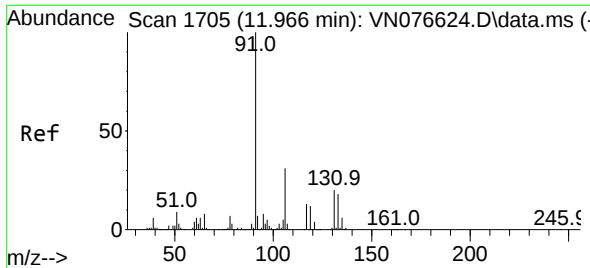


#66
1,1,1,2-Tetrachloroethane
Concen: 0.406 ug/l
RT: 11.971 min Scan# 1706
Delta R.T. 0.005 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29



Tgt Ion:131 Resp: 1195
Ion Ratio Lower Upper
131 100
133 109.8 47.0 141.0
119 0.0 32.3 96.8#





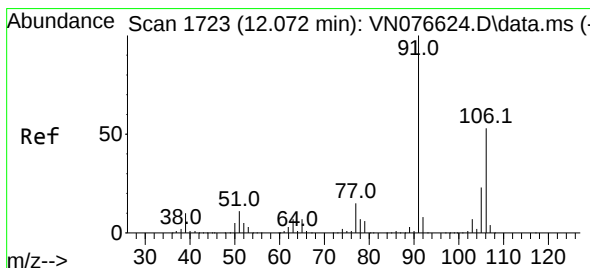
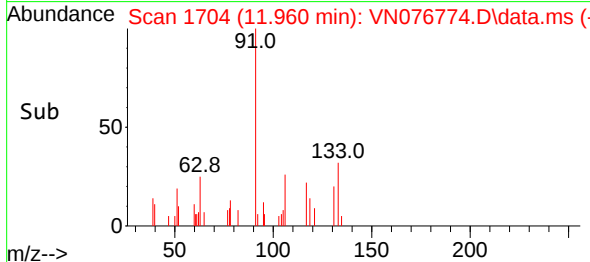
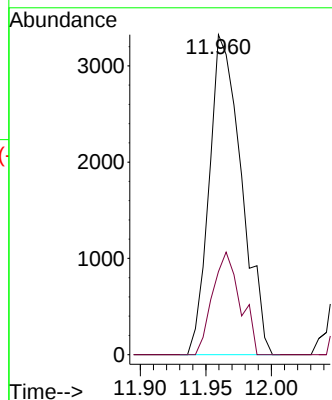
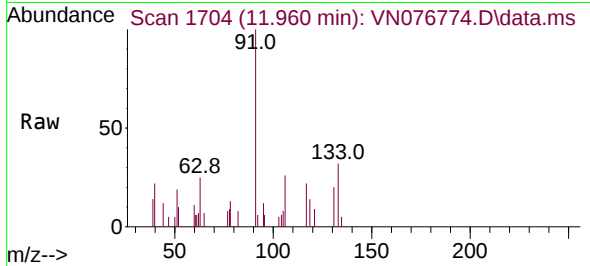
#67
Ethyl Benzene
Concen: 0.411 ug/l
RT: 11.960 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

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

Tgt Ion: 91 Resp: 5680
Ion Ratio Lower Upper
91 100
106 26.0 25.1 37.7

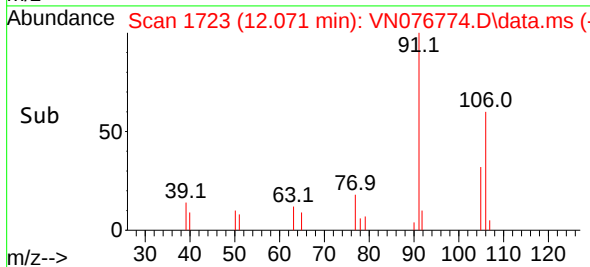
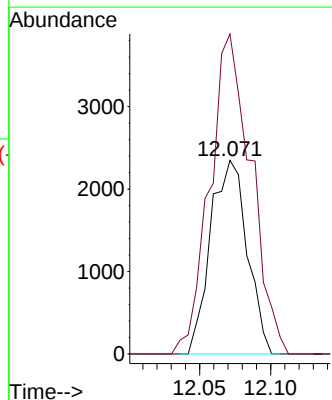
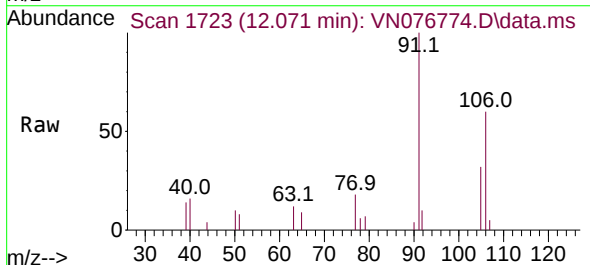
Manual Integrations
APPROVED

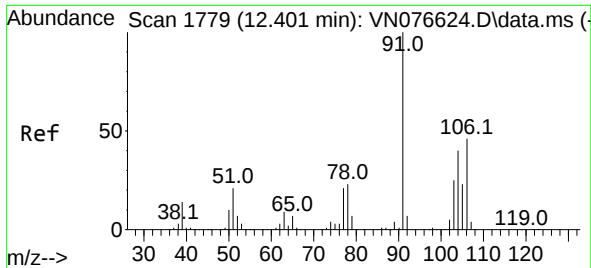
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#68
m/p-Xylenes
Concen: 0.791 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.001 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

Tgt Ion:106 Resp: 4214
Ion Ratio Lower Upper
106 100
91 185.9 154.7 232.1





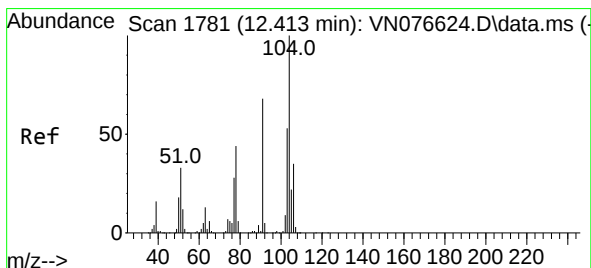
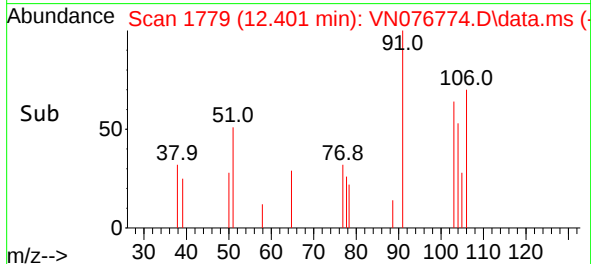
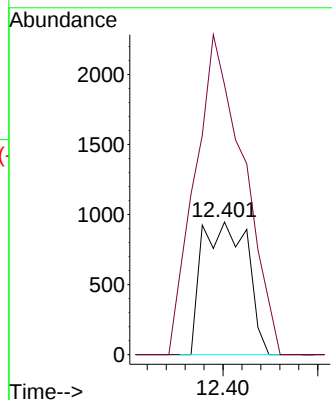
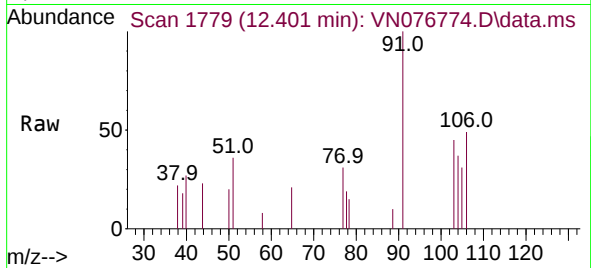
#69
o-Xylene
Concen: 0.305 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

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

Tgt Ion:106 Resp: 1583
Ion Ratio Lower Upper
106 100
91 256.9 105.8 317.4

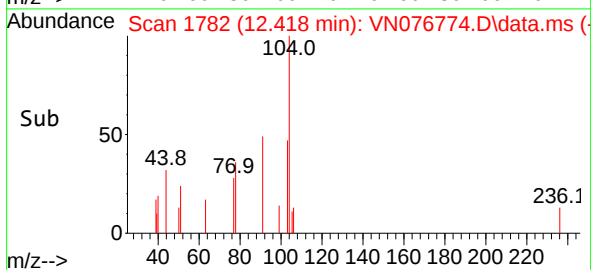
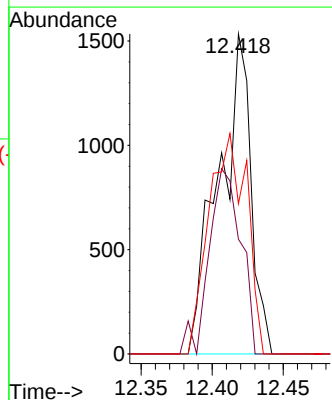
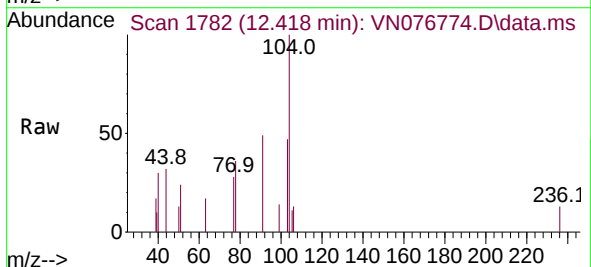
Manual Integrations
APPROVED

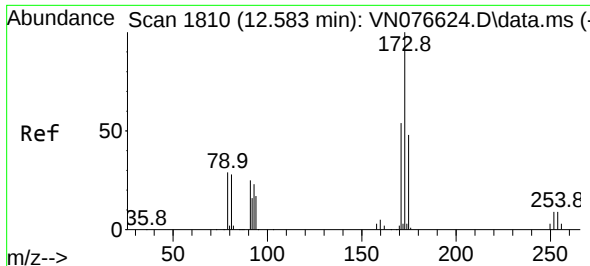
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#70
Styrene
Concen: 0.288 ug/l
RT: 12.418 min Scan# 1782
Delta R.T. 0.005 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

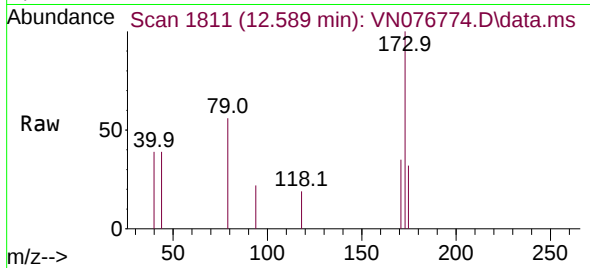
Tgt Ion:104 Resp: 2420
Ion Ratio Lower Upper
104 100
78 57.0 38.2 57.4
103 80.7 44.2 66.4#





#71
Bromoform
Concen: 0.480 ug/l
RT: 12.589 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

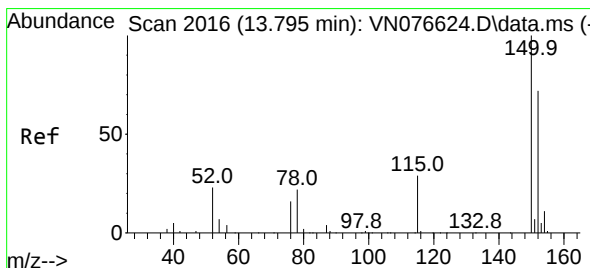
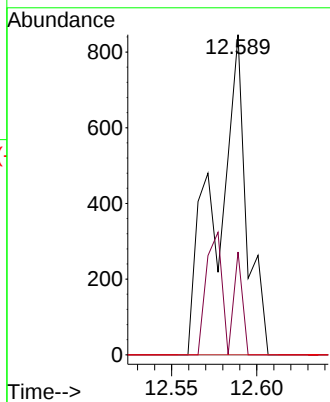
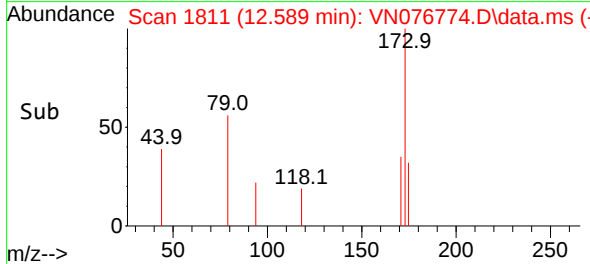
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



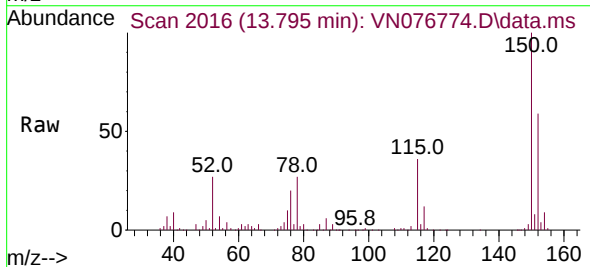
Tgt Ion:173 Resp: 103
Ion Ratio Lower Upper
173 100
175 29.2 24.9 74.7
254 0.0 0.1 0.1

Manual Integrations
APPROVED

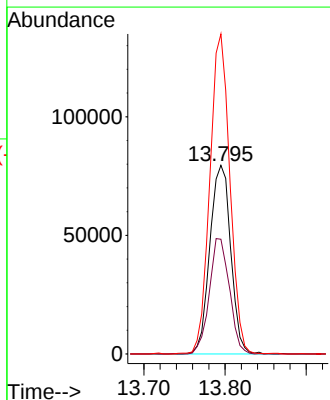
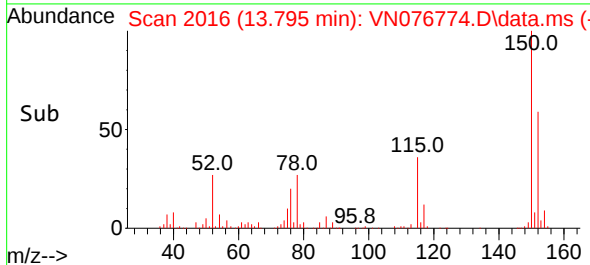
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

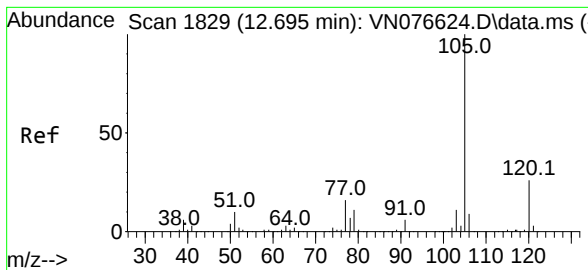


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29



Tgt Ion:152 Resp: 142151
Ion Ratio Lower Upper
152 100
115 58.9 29.3 87.9
150 162.3 0.0 349.8





#73

Isopropylbenzene

Concen: 0.386 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. 0.006 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

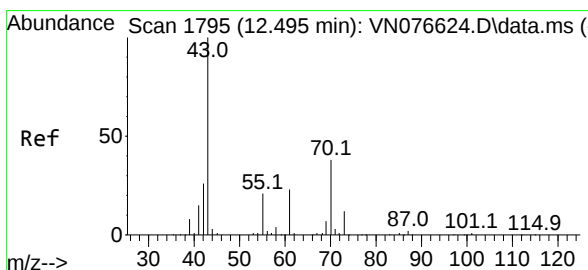
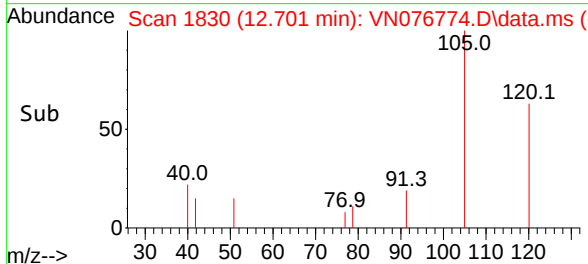
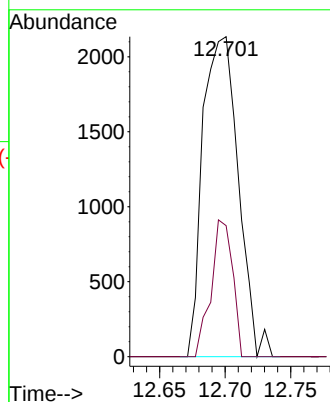
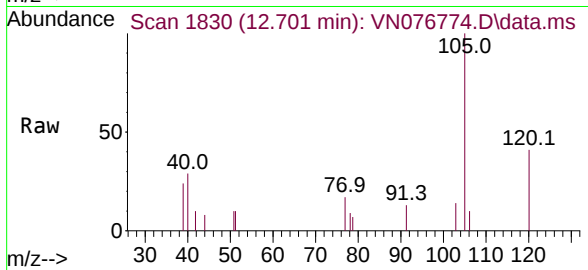
Tgt Ion:105 Resp: 4020
 Ion Ratio Lower Upper
 105 100
 120 25.8 13.7 41.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/23/2023

Supervised By :Mahesh Dadoda 02/23/2023



#74

N-ethyl acetate

Concen: 0.403 ug/l

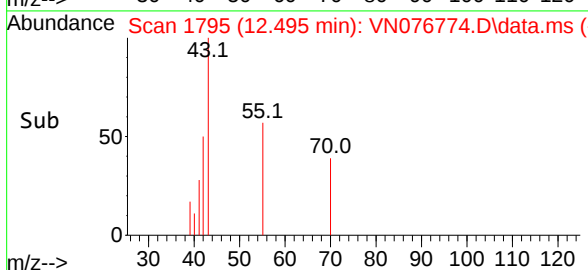
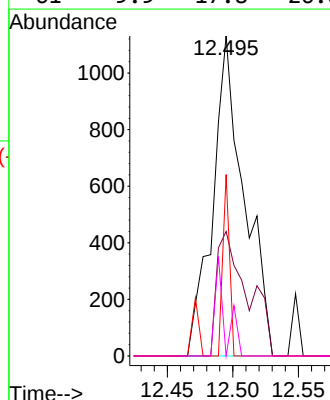
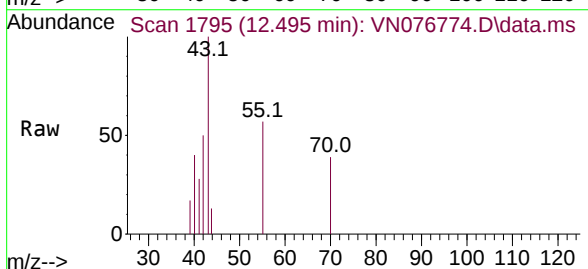
RT: 12.495 min Scan# 1795

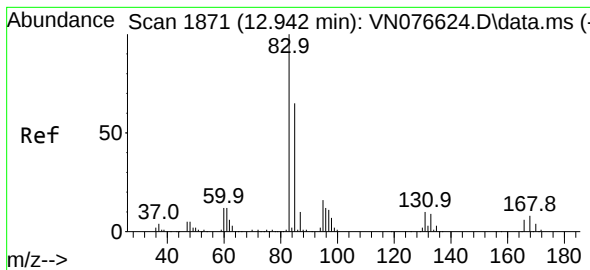
Delta R.T. -0.000 min

Lab File: VN076774.D

Acq: 22 Feb 2023 16:29

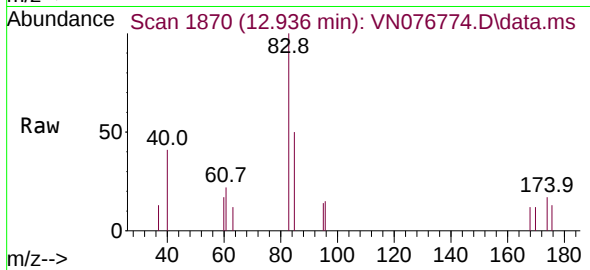
Tgt Ion: 43 Resp: 1893
 Ion Ratio Lower Upper
 43 100
 70 37.7 30.5 45.7
 55 11.9 17.8 26.8#
 61 9.9 17.8 26.8#





#75
1,1,2,2-Tetrachloroethane
Concen: 0.525 ug/l
RT: 12.936 min Scan# 1871
Delta R.T. -0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

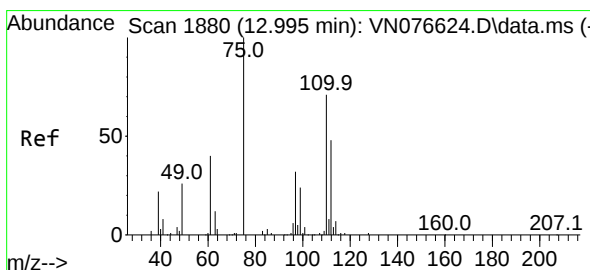
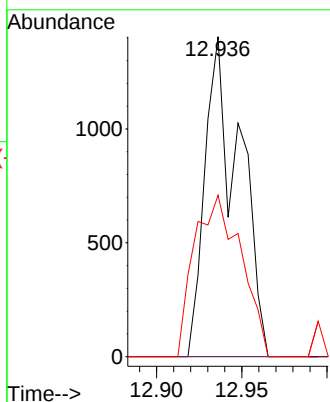
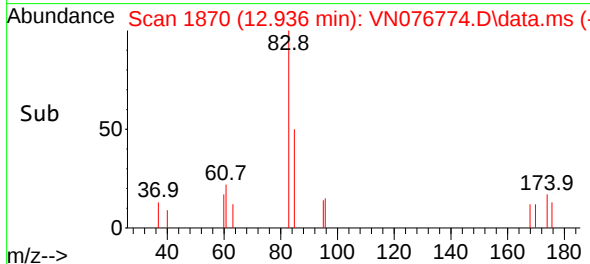
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023



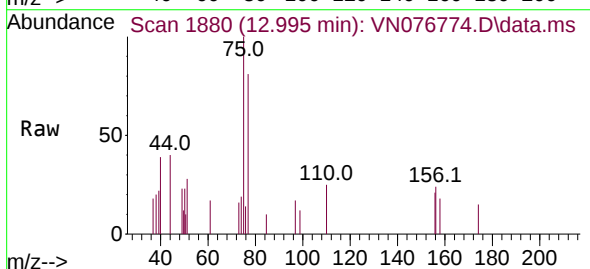
Tgt Ion: 83 Resp: 1980
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0
85 68.2 31.8 95.3

Manual Integrations
APPROVED

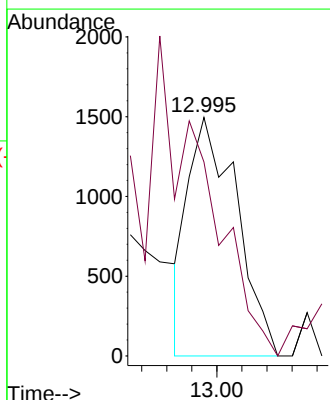
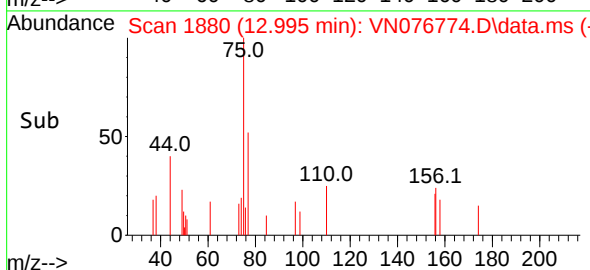
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

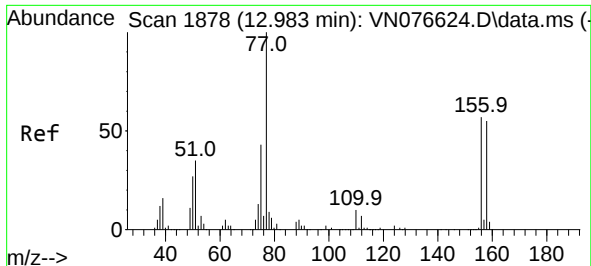


#76
1,2,3-Trichloropropane
Concen: 0.704 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29



Tgt Ion: 75 Resp: 2022
Ion Ratio Lower Upper
75 100
77 171.8 93.1 279.3





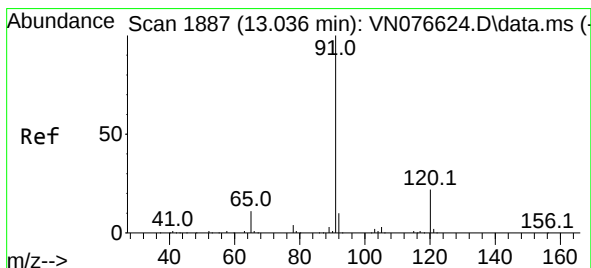
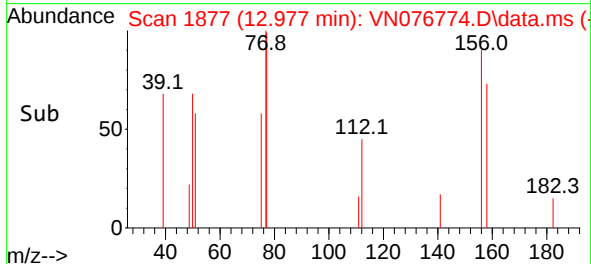
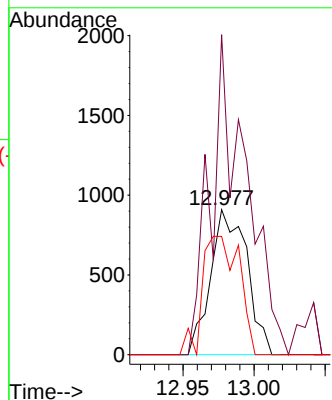
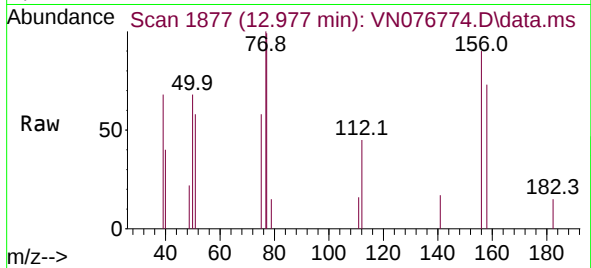
#77
Bromobenzene
Concen: 0.622 ug/l
RT: 12.977 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

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

Tgt Ion:156 Resp: 1618
Ion Ratio Lower Upper
156 100
77 214.7 102.8 308.4
158 82.5 48.9 146.6

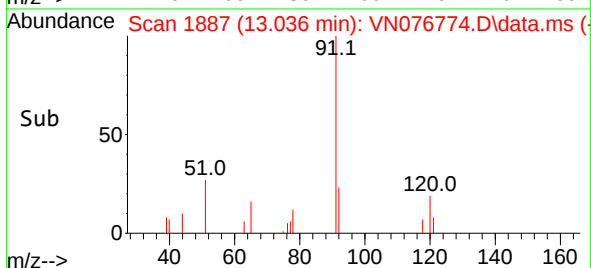
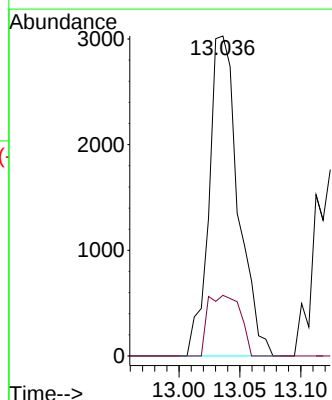
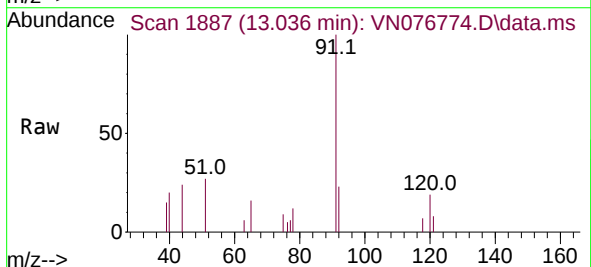
Manual Integrations
APPROVED

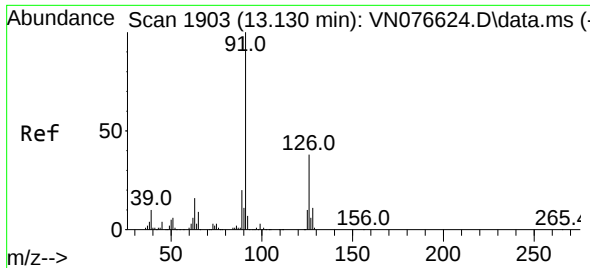
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#78
n-propylbenzene
Concen: 0.414 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. 0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

Tgt Ion: 91 Resp: 5068
Ion Ratio Lower Upper
91 100
120 21.0 11.5 34.5





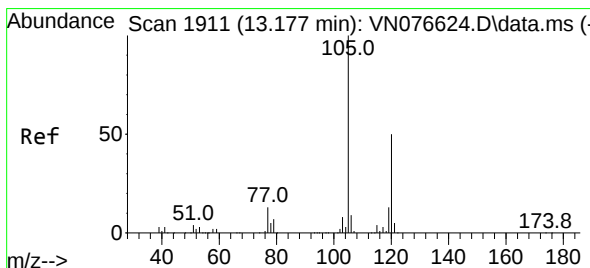
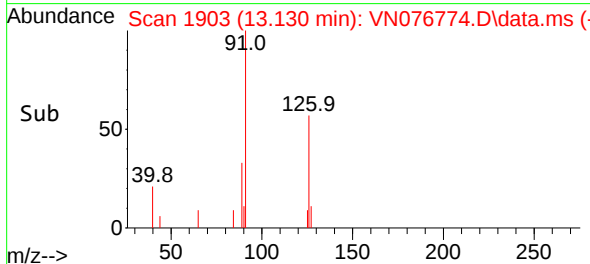
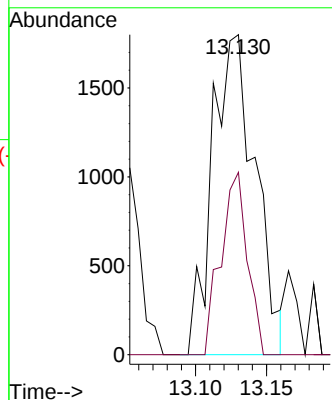
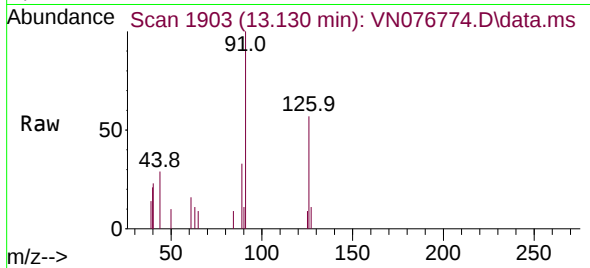
#79
2-Chlorotoluene
Concen: 0.505 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

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

Tgt Ion: 91 Resp: 378
Ion Ratio Lower Upper
91 100
126 35.2 17.7 53.1

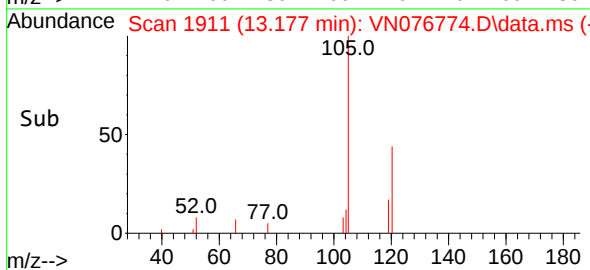
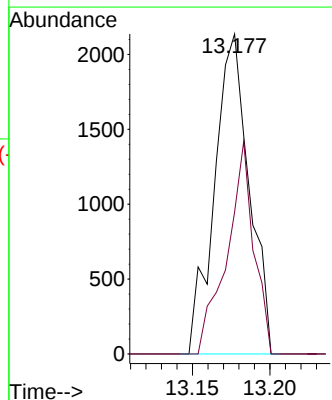
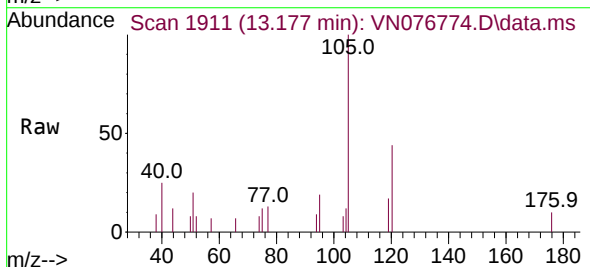
Manual Integrations
APPROVED

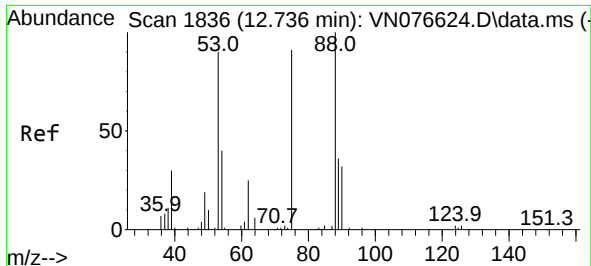
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#80
1,3,5-Trimethylbenzene
Concen: 0.387 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

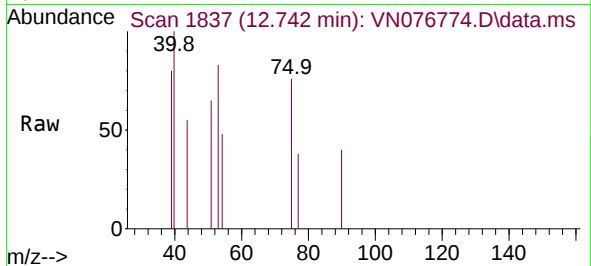
Tgt Ion:105 Resp: 3330
Ion Ratio Lower Upper
105 100
120 51.1 25.1 75.4





#81
trans-1,4-Dichloro-2-butene
Concen: 0.426 ug/l m
RT: 12.742 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

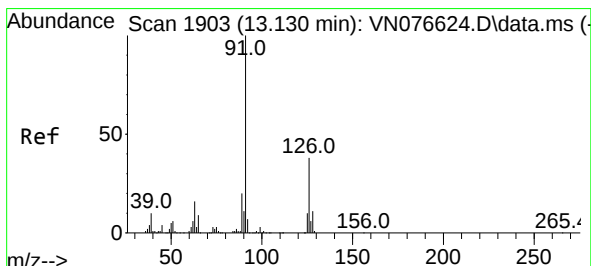
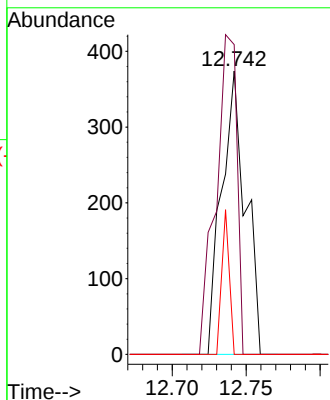
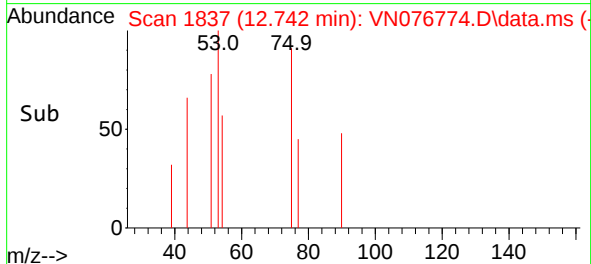
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023



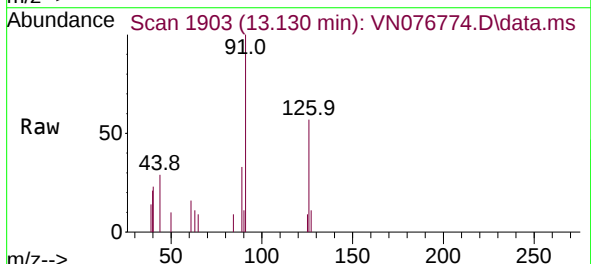
Tgt Ion: 75 Resp: 420
Ion Ratio Lower Upper
75 100
53 36.2 92.1 138.1
89 84.5 37.5 56.3

Manual Integrations
APPROVED

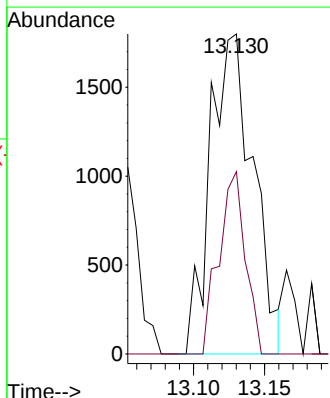
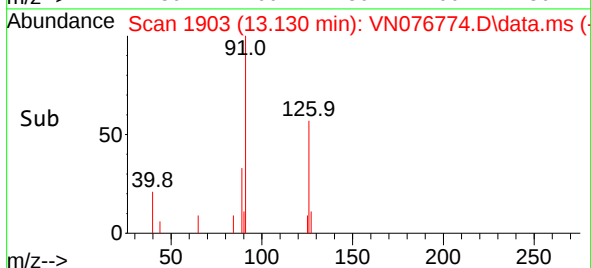
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

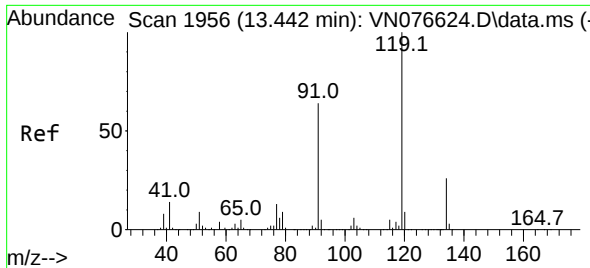


#82
4-Chlorotoluene
Concen: 0.505 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29



Tgt Ion: 91 Resp: 3785
Ion Ratio Lower Upper
91 100
126 35.2 17.7 53.1





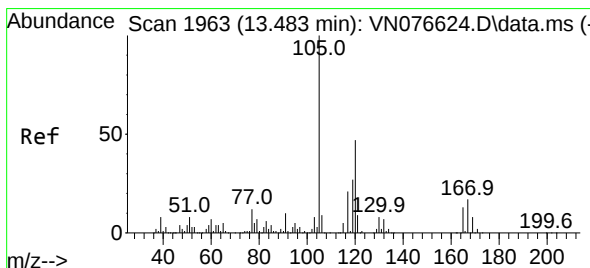
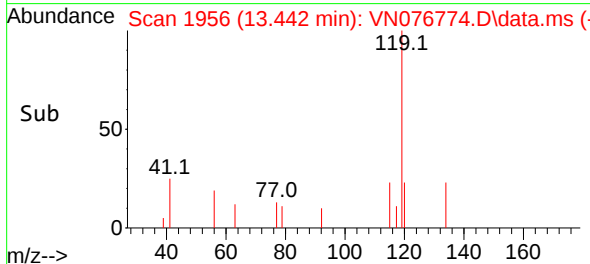
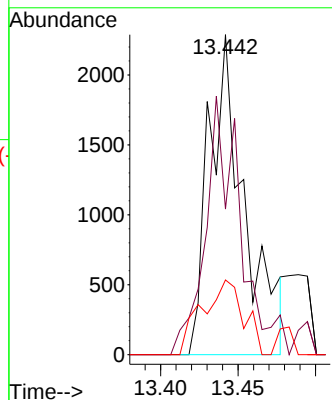
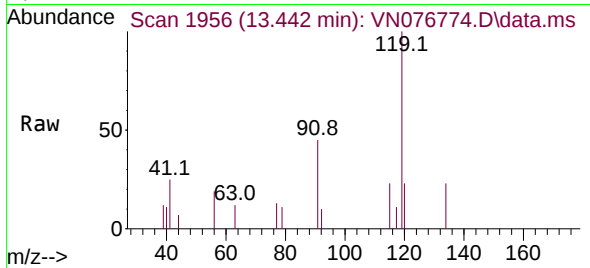
#83
tert-Butylbenzene
Concen: 0.468 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

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

Tgt Ion:119 Resp: 3648
Ion Ratio Lower Upper
119 100
91 78.3 32.0 96.2
134 27.2 13.8 41.4

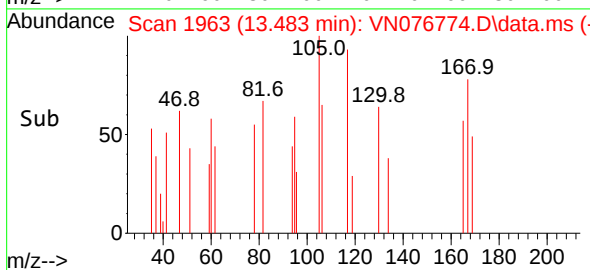
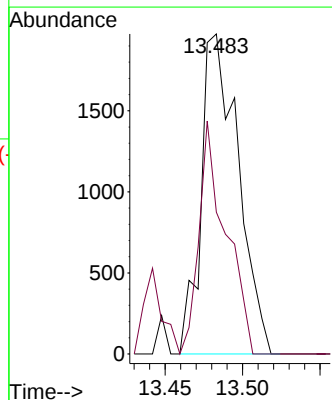
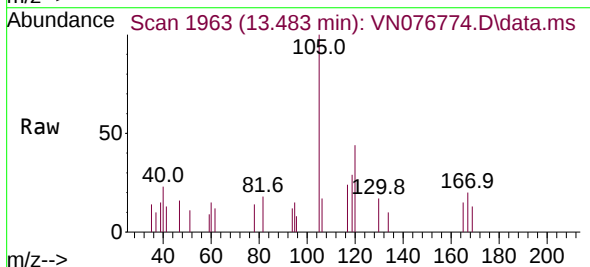
Manual Integrations
APPROVED

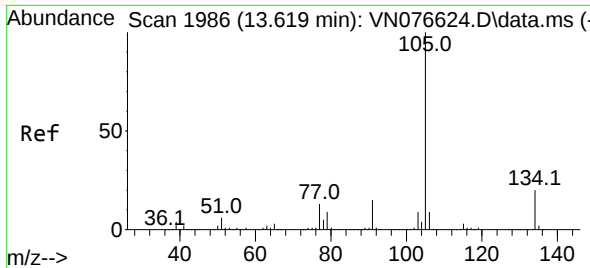
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#84
1,2,4-Trimethylbenzene
Concen: 0.382 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. 0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

Tgt Ion:105 Resp: 3281
Ion Ratio Lower Upper
105 100
120 52.5 23.0 69.0





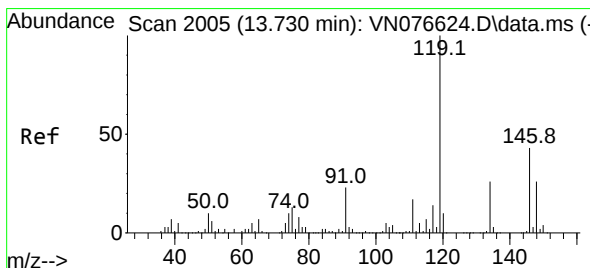
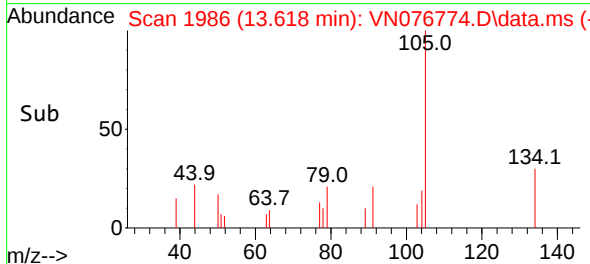
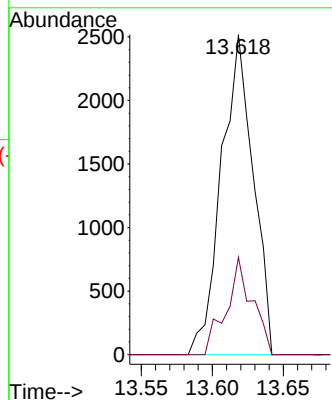
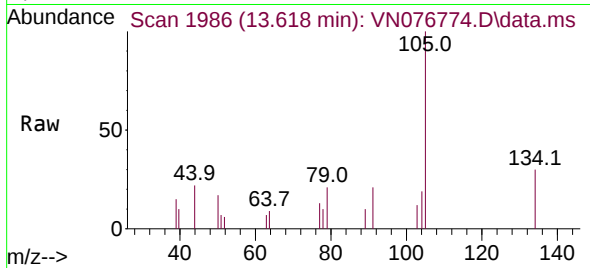
#85
 sec-Butylbenzene
 Concen: 0.360 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN076774.D
 Acq: 22 Feb 2023 16:29

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

Tgt Ion:105 Resp: 3919
 Ion Ratio Lower Upper
 105 100
 134 24.9 10.5 31.5

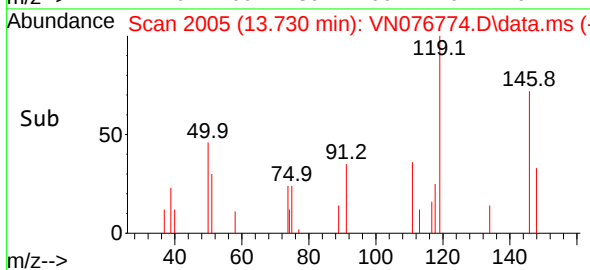
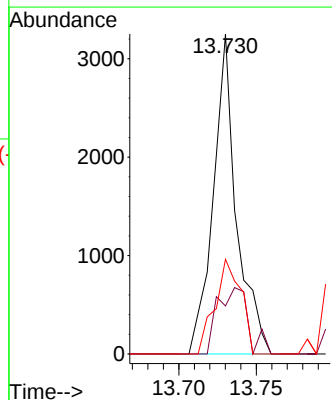
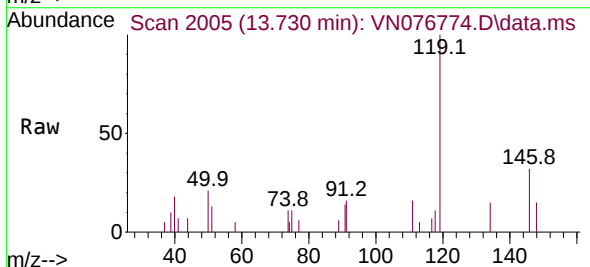
Manual Integrations
 APPROVED

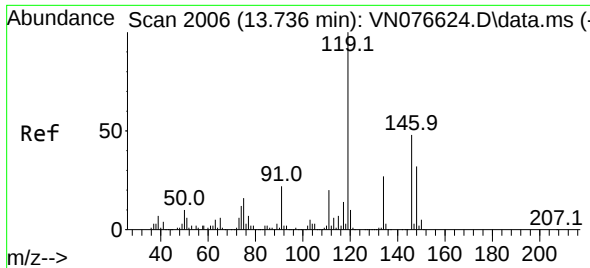
Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023



#86
 p-Isopropyltoluene
 Concen: 0.389 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. 0.000 min
 Lab File: VN076774.D
 Acq: 22 Feb 2023 16:29

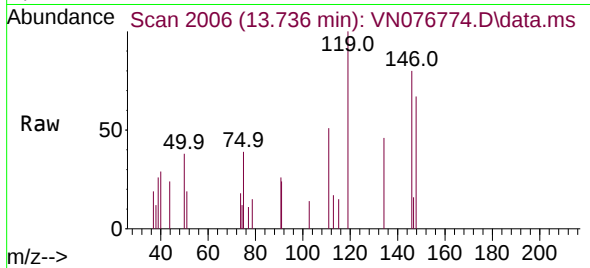
Tgt Ion:119 Resp: 3382
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.4 40.1
 91 33.1 11.7 35.0





#87
 1,3-Dichlorobenzene
 Concen: 0.447 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. -0.000 min
 Lab File: VN076774.D
 Acq: 22 Feb 2023 16:29

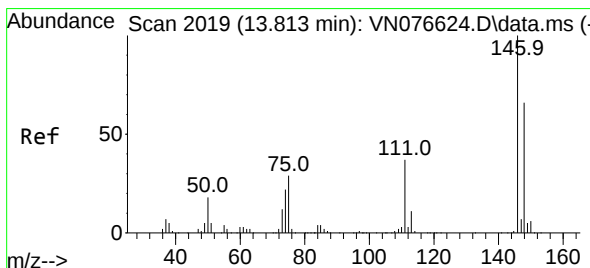
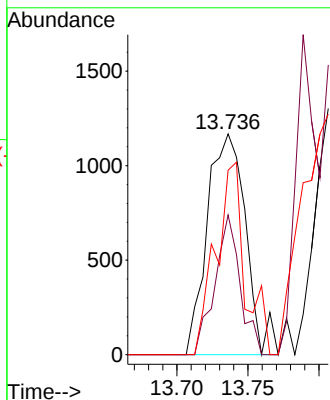
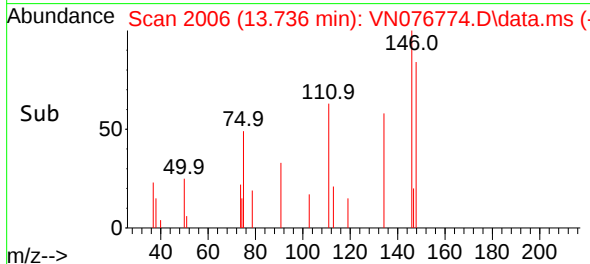
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023



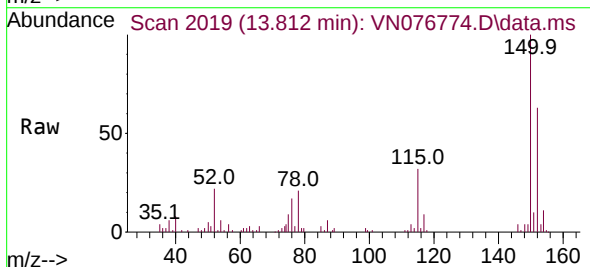
Tgt Ion:146 Resp: 2197
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.8 59.4
 148 66.1 32.0 96.2

Manual Integrations
 APPROVED

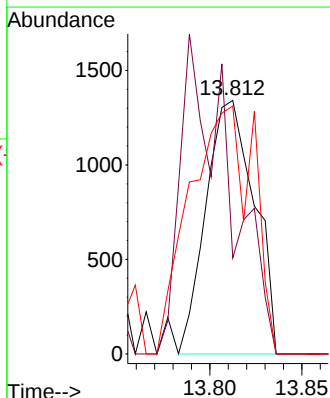
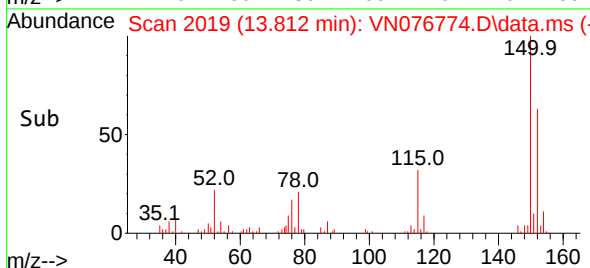
Reviewed By :John Carlone 02/23/2023
 Supervised By :Mahesh Dadoda 02/23/2023

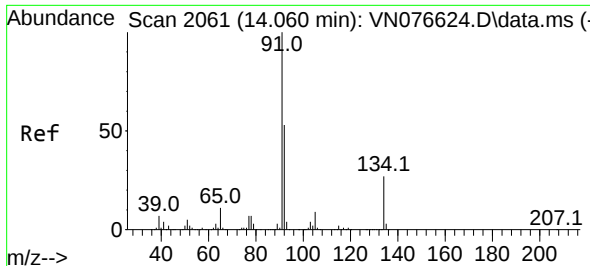


#88
 1,4-Dichlorobenzene
 Concen: 0.501 ug/l m
 RT: 13.812 min Scan# 2019
 Delta R.T. -0.001 min
 Lab File: VN076774.D
 Acq: 22 Feb 2023 16:29



Tgt Ion:146 Resp: 2454
 Ion Ratio Lower Upper
 146 100
 111 37.1 19.4 58.1
 148 59.2 32.7 98.1





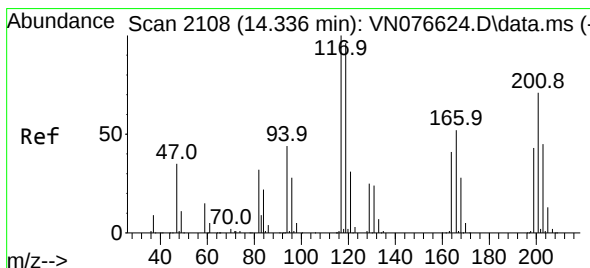
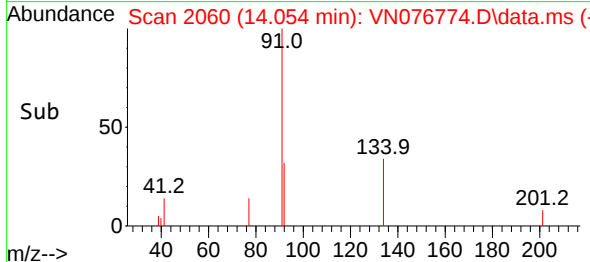
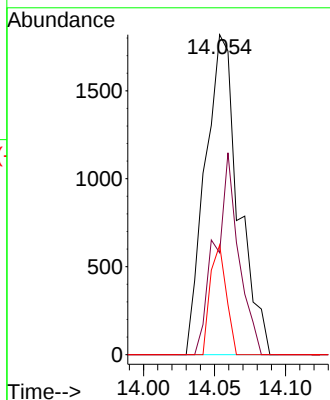
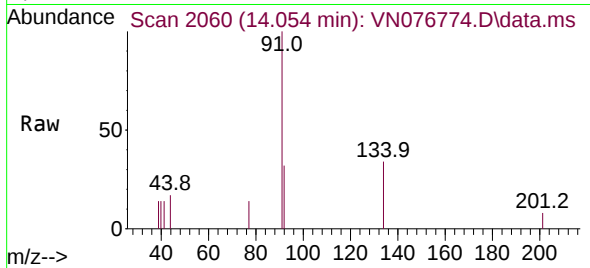
#89
n-Butylbenzene
Concen: 0.393 ug/l
RT: 14.054 min Scan# 2061
Delta R.T. -0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

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

Tgt Ion: 91 Resp: 2968
Ion Ratio Lower Upper
91 100
92 44.2 26.4 79.0
134 16.5 13.2 39.5

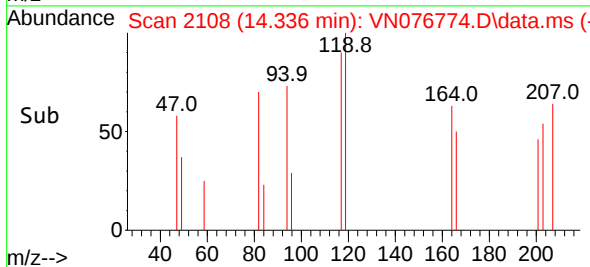
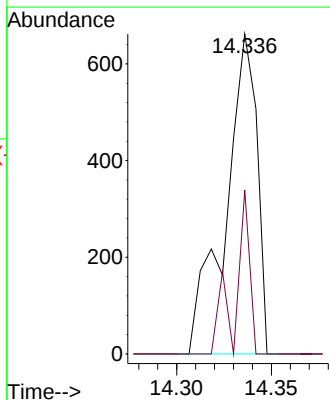
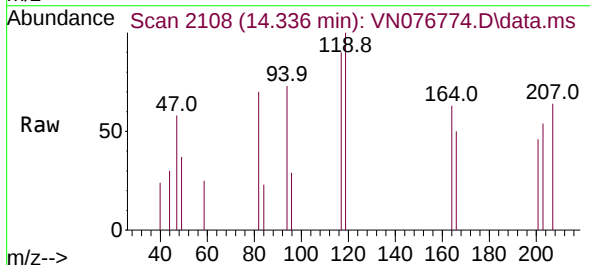
Manual Integrations
APPROVED

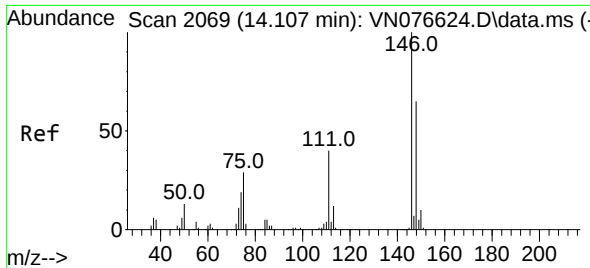
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#90
Hexachloroethane
Concen: 0.421 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

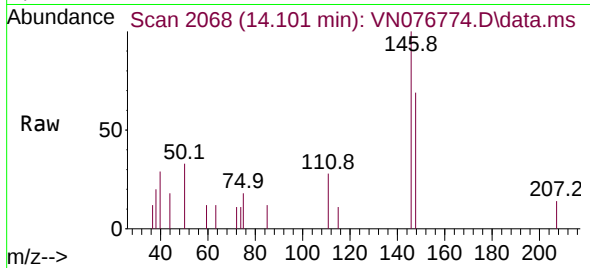
Tgt Ion:117 Resp: 765
Ion Ratio Lower Upper
117 100
201 23.5 35.5 106.7#





#91
1,2-Dichlorobenzene
Concen: 0.427 ug/l
RT: 14.101 min Scan# 2068
Delta R.T. -0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

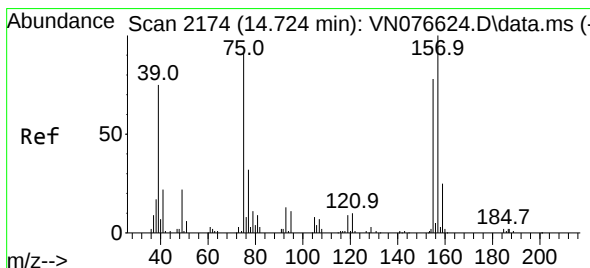
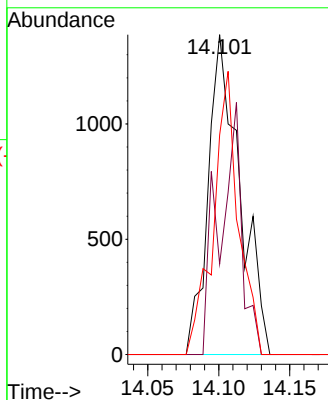
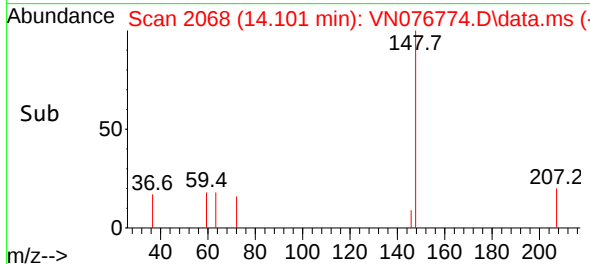
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



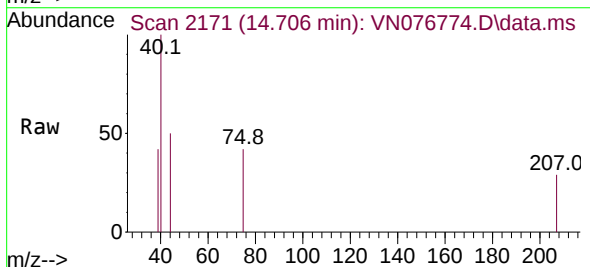
Tgt Ion:146 Resp: 2149
Ion Ratio Lower Upper
146 100
111 55.7 20.0 59.9
148 70.4 32.4 97.2

Manual Integrations
APPROVED

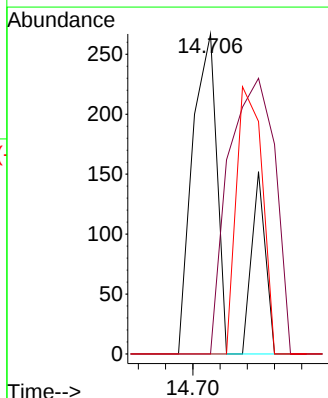
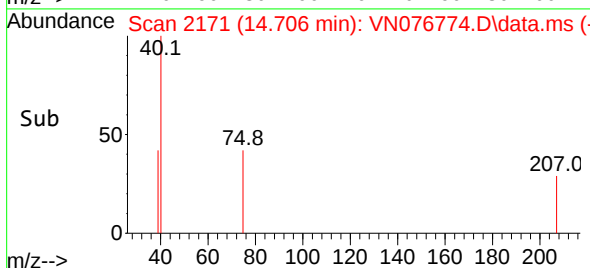
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023

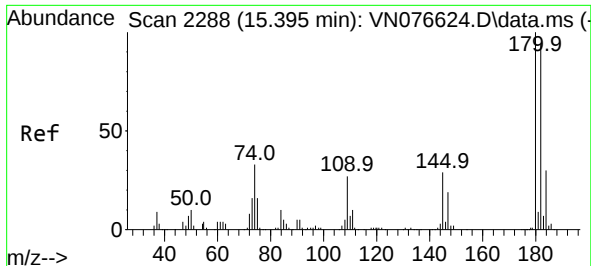


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.298 ug/l m
RT: 14.706 min Scan# 2171
Delta R.T. -0.018 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29



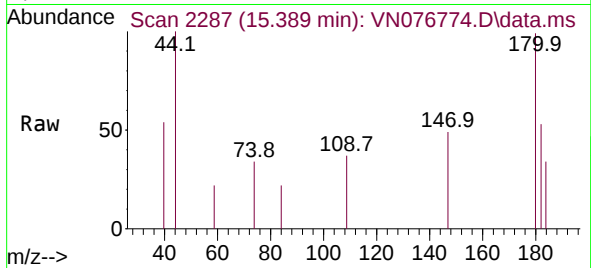
Tgt Ion: 75 Resp: 218
Ion Ratio Lower Upper
75 100
155 125.2 43.4 130.2
157 67.4 55.2 165.6





#93
1,2,4-Trichlorobenzene
Concen: 0.431 ug/l m
RT: 15.389 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

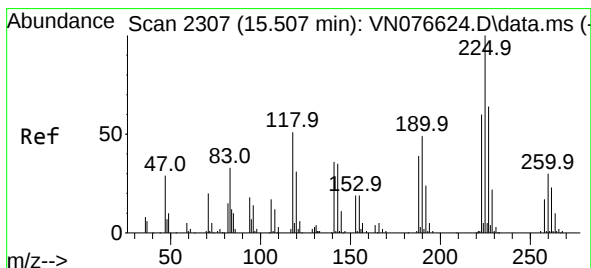
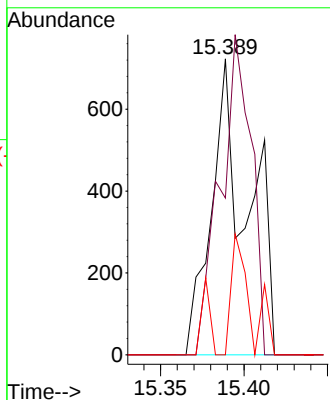
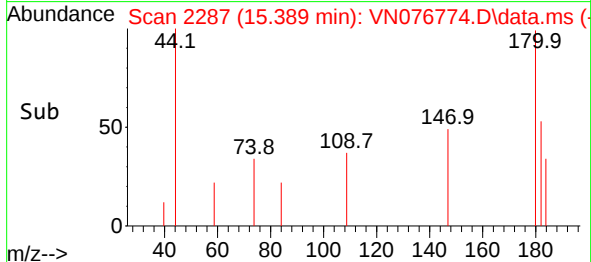
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:180 Resp: 1084
Ion Ratio Lower Upper
180 100
182 93.1 48.0 144.0
145 21.8 15.2 45.6

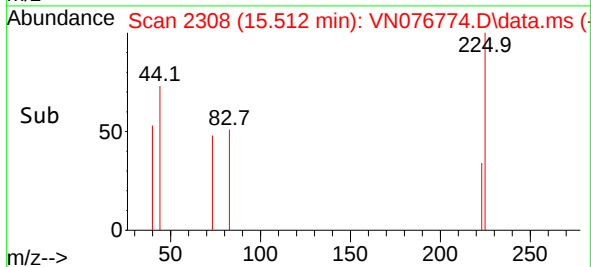
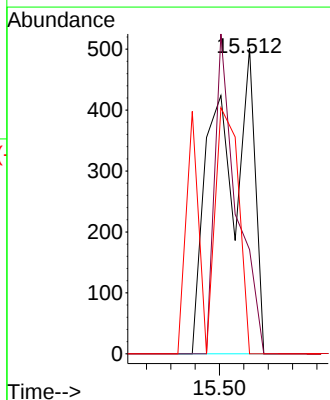
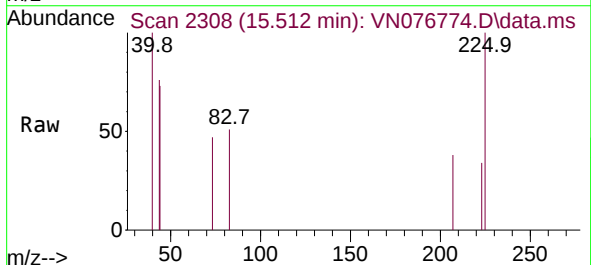
Manual Integrations
APPROVED

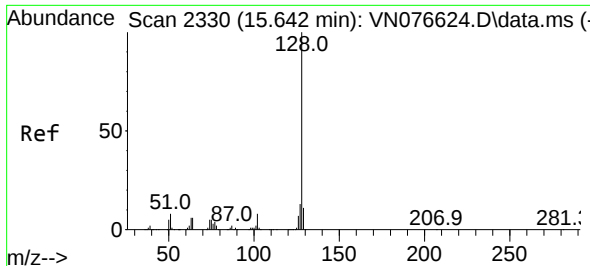
Reviewed By :John Carlone 02/23/2023
Supervised By :Mahesh Dadoda 02/23/2023



#94
Hexachlorobutadiene
Concen: 0.421 ug/l
RT: 15.512 min Scan# 2308
Delta R.T. 0.005 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

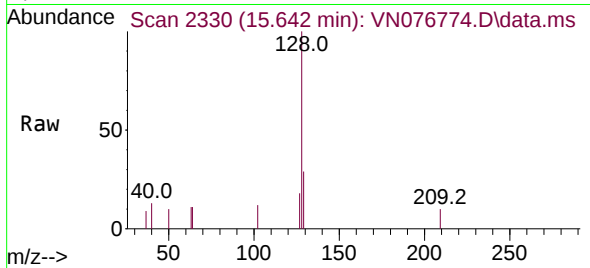
Tgt Ion:225 Resp: 518
Ion Ratio Lower Upper
225 100
223 62.9 31.6 95.0
227 79.0 31.3 93.9





#95
Naphthalene
Concen: 0.423 ug/l
RT: 15.642 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29

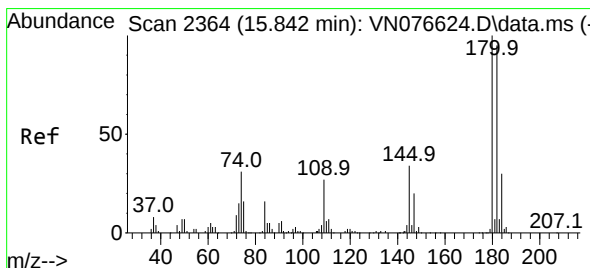
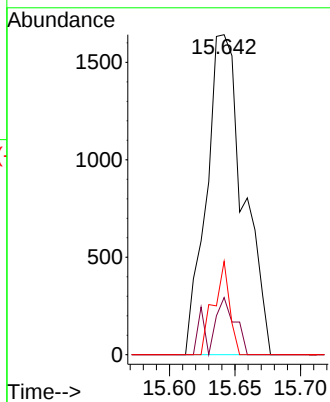
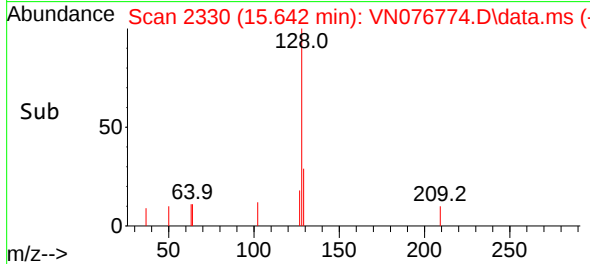
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023



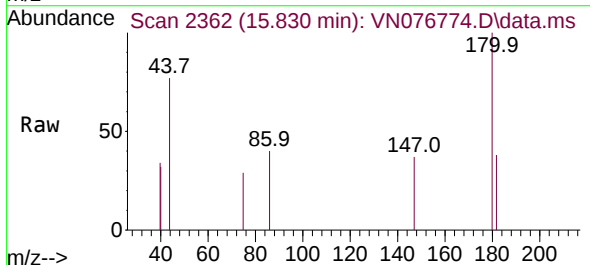
Tgt Ion:128 Resp: 3229
Ion Ratio Lower Upper
128 100
127 11.7 10.6 16.0
129 12.6 8.6 13.0

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 0.421 ug/l
RT: 15.830 min Scan# 2362
Delta R.T. -0.012 min
Lab File: VN076774.D
Acq: 22 Feb 2023 16:29



Tgt Ion:180 Resp: 1025
Ion Ratio Lower Upper
180 100
182 56.1 46.7 140.1
145 14.7 16.0 47.9#

