

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
 Data File : VN071644.D
 Acq On : 29 Mar 2022 20:06
 Operator : JC\MD
 Sample : N1645-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2022

Quant Time: Mar 30 09:26:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 09:02:25 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/30/2022
 Supervised By : Mahesh Dadoda 03/30/2022

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	657842	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1072216	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	912984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	320824	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	415378	52.662	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.320%			
35) Dibromofluoromethane	8.016	113	326701	49.613	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.220%			
50) Toluene-d8	10.434	98	1313026	48.340	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.680%			
62) 4-Bromofluorobenzene	12.727	95	382957	43.218	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 86.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	1293	0.201	ug/l	73
3) Chloromethane	2.305	50	4056	0.535	ug/l	100
4) Vinyl Chloride	2.446	62	1667	0.198	ug/l	92
5) Bromomethane	2.858	94	3464	0.700	ug/l #	69
6) Chloroethane	3.016	64	1957	0.321	ug/l	91
7) Trichlorofluoromethane	3.375	101	2085	0.208	ug/l	88
8) Diethyl Ether	3.822	74	830	0.199	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.216	101	1096m	0.180	ug/l	
10) Methyl Iodide	4.440	142	2518	0.280	ug/l #	54
11) Tert butyl alcohol	5.375	59	907m	0.651	ug/l	
12) 1,1-Dichloroethene	4.181	96	948	0.161	ug/l #	84
13) Acrolein	4.034	56	1171m	1.008	ug/l	
14) Allyl chloride	4.846	41	1920	0.204	ug/l #	83
15) Acrylonitrile	5.563	53	4013m	1.032	ug/l	
16) Acetone	4.304	43	5282	1.624	ug/l	94
17) Carbon Disulfide	4.528	76	3605	0.245	ug/l #	77
18) Methyl Acetate	4.857	43	8846	0.880	ug/l #	88
19) Methyl tert-butyl Ether	5.610	73	3921	0.182	ug/l #	76
20) Methylene Chloride	5.087	84	1961	0.273	ug/l #	78
21) trans-1,2-Dichloroethene	5.604	96	1541	0.244	ug/l #	59
22) Diisopropyl ether	6.504	45	3940	0.196	ug/l #	77
23) Vinyl Acetate	6.434	43	14856	0.874	ug/l #	92
24) 1,1-Dichloroethane	6.387	63	2115	0.176	ug/l #	82
25) 2-Butanone	7.351	43	4985	0.985	ug/l	97
26) 2,2-Dichloropropane	7.322	77	1677	0.163	ug/l #	62
27) cis-1,2-Dichloroethene	7.328	96	1526	0.197	ug/l	90
28) Bromochloromethane	7.657	49	572	0.118	ug/l #	95
29) Tetrahydrofuran	7.687	42	3963	1.206	ug/l #	82
30) Chloroform	7.816	83	2535	0.206	ug/l	85
31) Cyclohexane	8.075	56	13793	1.252	ug/l #	7
32) 1,1,1-Trichloroethane	8.010	97	2027	0.190	ug/l #	50
36) 1,1-Dichloropropene	8.222	75	1898	0.200	ug/l #	48
37) Ethyl Acetate	7.410	43	2037	0.197	ug/l #	77
38) Carbon Tetrachloride	8.198	117	1883	0.201	ug/l #	94
39) Methylcyclohexane	9.457	83	2213	0.189	ug/l #	81
40) Benzene	8.457	78	6072	0.209	ug/l #	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
 Data File : VN071644.D
 Acq On : 29 Mar 2022 20:06
 Operator : JC\MD
 Sample : N1645-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2022

Quant Time: Mar 30 09:26:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 09:02:25 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/30/2022
 Supervised By :Mahesh Dadoda 03/30/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	985	0.196	ug/l #	77
42) 1,2-Dichloroethane	8.522	62	3041	0.303	ug/l	95
43) Isopropyl Acetate	8.575	43	13280	0.723	ug/l #	62
44) Trichloroethene	9.222	130	1641	0.215	ug/l	81
45) 1,2-Dichloropropane	9.492	63	1552	0.217	ug/l #	75
46) Dibromomethane	9.575	93	770	0.157	ug/l #	56
47) Bromodichloromethane	9.751	83	1523	0.158	ug/l #	92
48) Methyl methacrylate	9.557	41	1217	0.163	ug/l	95
49) 1,4-Dioxane	9.569	88	418	2.547	ug/l #	30
51) 4-Methyl-2-Pentanone	10.328	43	9282	0.915	ug/l	89
52) Toluene	10.504	92	3751	0.201	ug/l	90
53) t-1,3-Dichloropropene	10.710	75	1839	0.175	ug/l #	61
54) cis-1,3-Dichloropropene	10.181	75	1860	0.163	ug/l #	90
55) 1,1,2-Trichloroethane	10.898	97	1411	0.187	ug/l #	80
56) Ethyl methacrylate	10.751	69	1868	0.166	ug/l	99
57) 1,3-Dichloropropane	11.045	76	2310	0.184	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.034	63	2806	0.971	ug/l	99
59) 2-Hexanone	11.081	43	7528	1.037	ug/l	90
60) Dibromochloromethane	11.239	129	1238	0.164	ug/l	78
61) 1,2-Dibromoethane	11.339	107	1376	0.181	ug/l	92
64) Tetrachloroethene	10.981	164	1311	0.207	ug/l	89
65) Chlorobenzene	11.769	112	4270	0.224	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.833	131	1174	0.172	ug/l #	63
67) Ethyl Benzene	11.845	91	6676	0.203	ug/l	96
68) m/p-Xylenes	11.951	106	4914	0.393	ug/l	88
69) o-Xylene	12.275	106	2118	0.169	ug/l	91
70) Styrene	12.286	104	3821	0.199	ug/l	91
71) Bromoform	12.451	173	717	0.133	ug/l #	28
73) Isopropylbenzene	12.575	105	5246	0.187	ug/l	95
74) N-amyl acetate	12.380	43	2288	0.269	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.816	83	2147	0.229	ug/l #	87
76) 1,2,3-Trichloropropane	12.869	75	2148m	0.279	ug/l	
77) Bromobenzene	12.863	156	2034	0.288	ug/l	95
78) n-propylbenzene	12.910	91	6812	0.225	ug/l	89
79) 2-Chlorotoluene	13.004	91	4281	0.226	ug/l	87
80) 1,3,5-Trimethylbenzene	13.051	105	4193	0.189	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.622	75	459m	0.172	ug/l	
82) 4-Chlorotoluene	13.098	91	4428	0.251	ug/l	93
83) tert-Butylbenzene	13.316	119	4050	0.199	ug/l	93
84) 1,2,4-Trimethylbenzene	13.363	105	5055	0.233	ug/l	92
85) sec-Butylbenzene	13.498	105	5126	0.191	ug/l	98
86) p-Isopropyltoluene	13.604	119	4295	0.201	ug/l	98
87) 1,3-Dichlorobenzene	13.610	146	3145	0.276	ug/l	90
88) 1,4-Dichlorobenzene	13.686	146	3127m	0.276	ug/l	
89) n-Butylbenzene	13.939	91	4095	0.254	ug/l	93
90) Hexachloroethane	14.192	117	960m	0.240	ug/l	
91) 1,2-Dichlorobenzene	13.980	146	2991	0.268	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.586	75	686m	0.422	ug/l	
93) 1,2,4-Trichlorobenzene	15.263	180	1718	0.349	ug/l	86
94) Hexachlorobutadiene	15.374	225	542	0.174	ug/l	90
95) Naphthalene	15.498	128	32338	2.408	ug/l	97
96) 1,2,3-Trichlorobenzene	15.686	180	2040	0.413	ug/l	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
Data File : VN071644.D
Acq On : 29 Mar 2022 20:06
Operator : JC\MD
Sample : N1645-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022

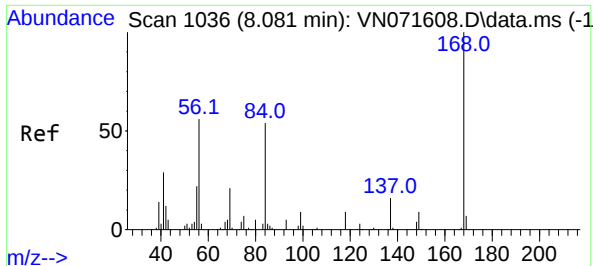
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

Quant Time: Mar 30 09:26:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 30 09:02:25 2022
Response via : Initial Calibration

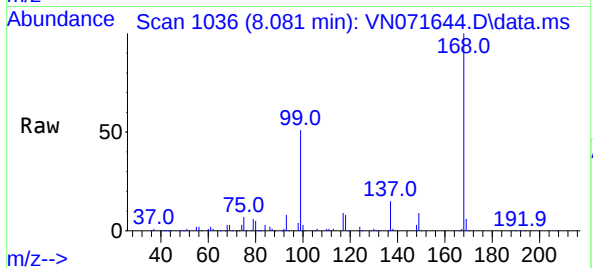
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

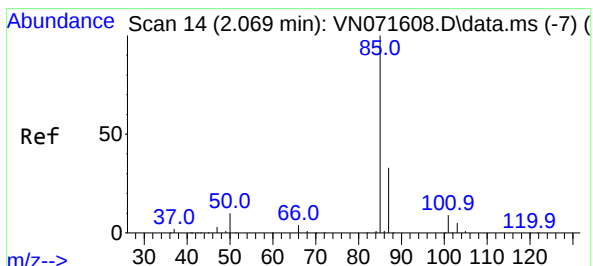
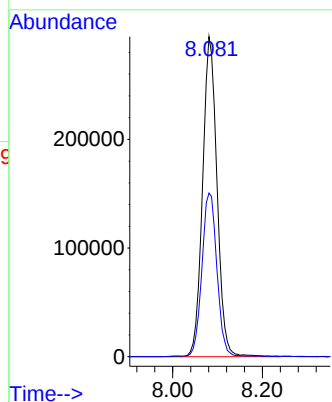
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion:168 Resp: 65784
Ion Ratio Lower Upper
168 100
99 51.1 42.3 63.5

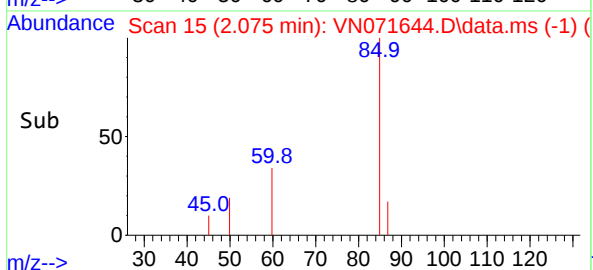
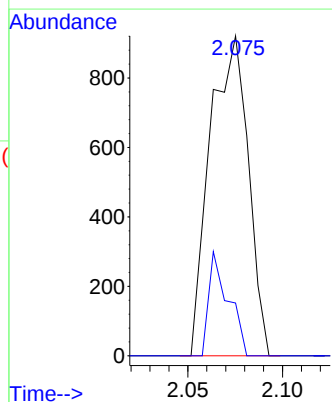
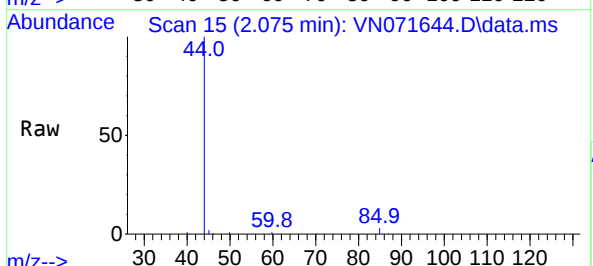
Manual Integrations
APPROVED

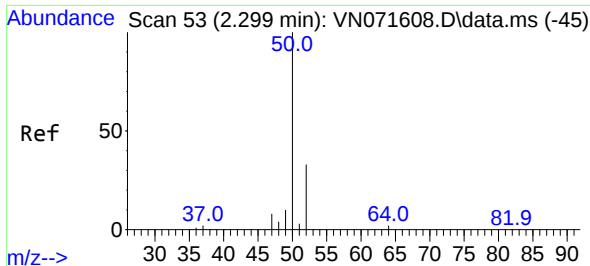
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#2
Dichlorodifluoromethane
Concen: 0.201 ug/l
RT: 2.075 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

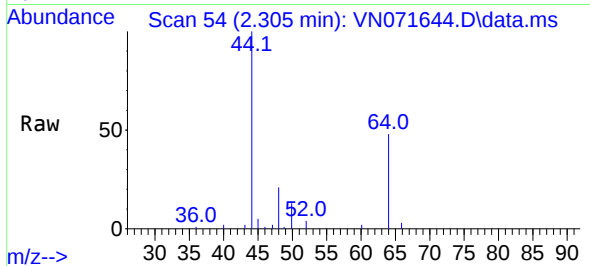
Tgt Ion: 85 Resp: 1293
Ion Ratio Lower Upper
85 100
87 16.5 15.7 47.1





#3
Chloromethane
Concen: 0.535 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

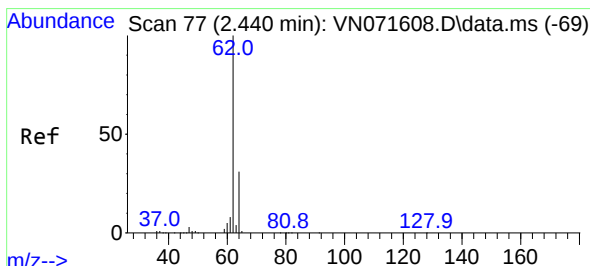
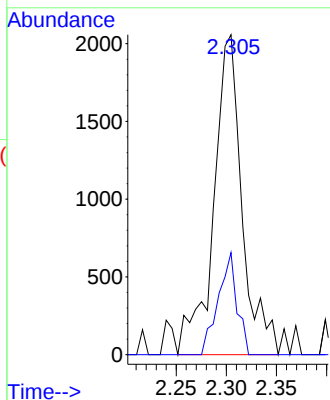
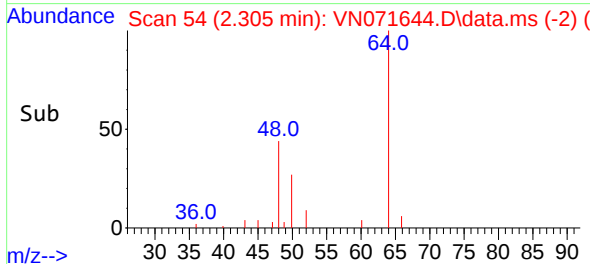
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 50 Resp: 405
Ion Ratio Lower Upper
50 100
52 31.9 25.7 38.5

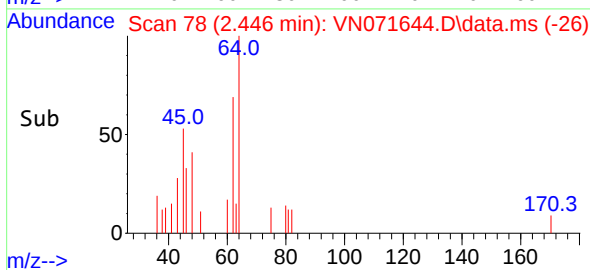
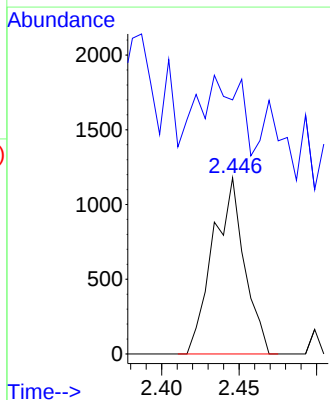
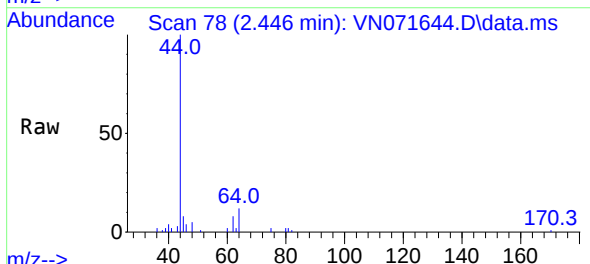
Manual Integrations
APPROVED

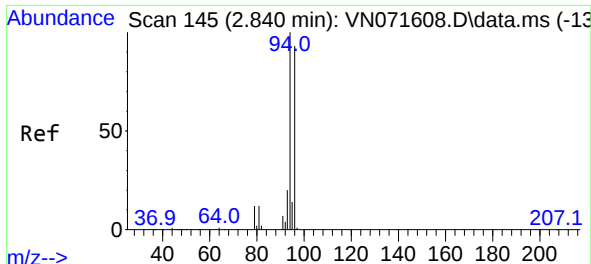
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#4
Vinyl Chloride
Concen: 0.198 ug/l
RT: 2.446 min Scan# 78
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

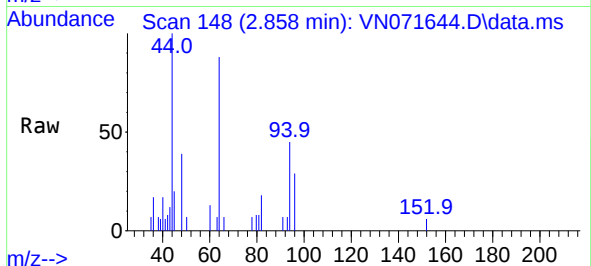
Tgt Ion: 62 Resp: 1667
Ion Ratio Lower Upper
62 100
64 26.7 25.0 37.4





#5
Bromomethane
Concen: 0.700 ug/l
RT: 2.858 min Scan# 145
Delta R.T. 0.018 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

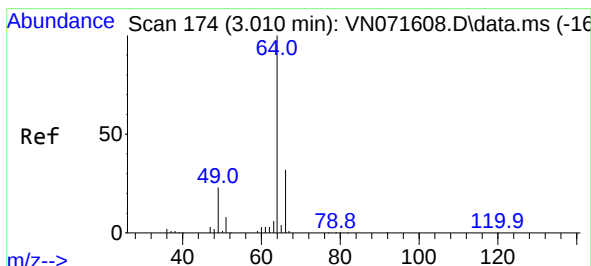
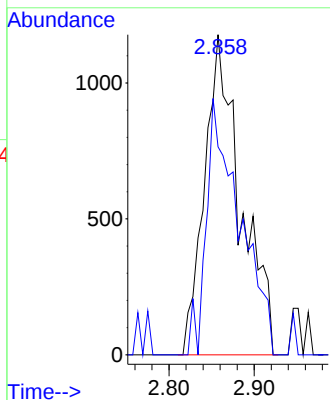
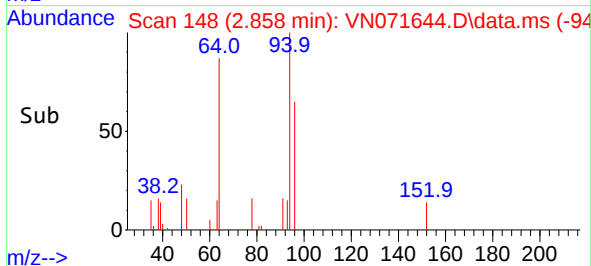
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 94 Resp: 3464
Ion Ratio Lower Upper
94 100
96 64.9 76.0 114.0

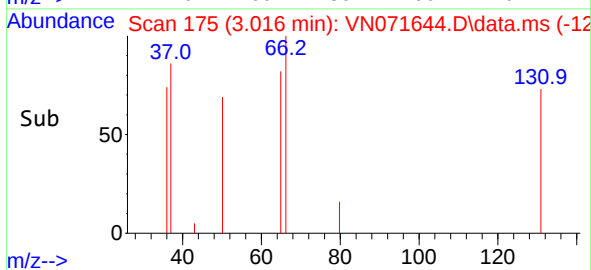
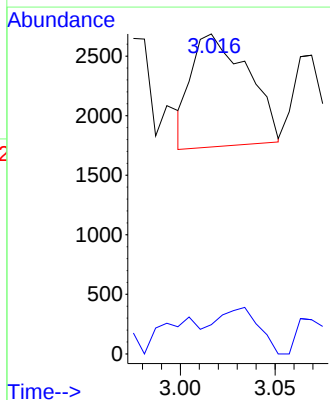
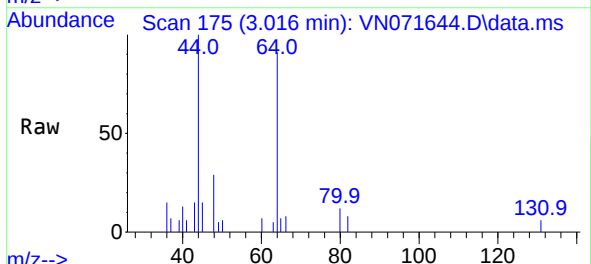
Manual Integrations
APPROVED

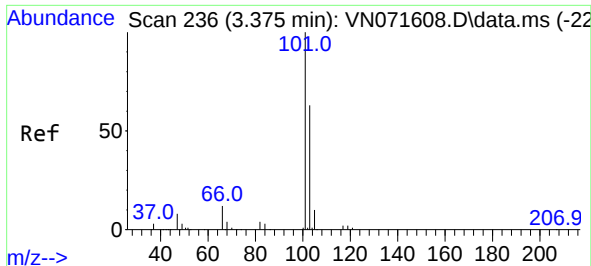
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#6
Chloroethane
Concen: 0.321 ug/l
RT: 3.016 min Scan# 175
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

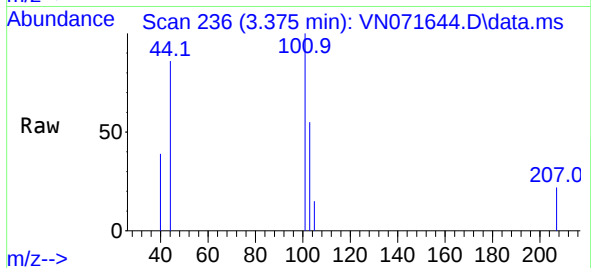
Tgt Ion: 64 Resp: 1957
Ion Ratio Lower Upper
64 100
66 27.8 26.2 39.4





#7
Trichlorofluoromethane
Concen: 0.208 ug/l
RT: 3.375 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

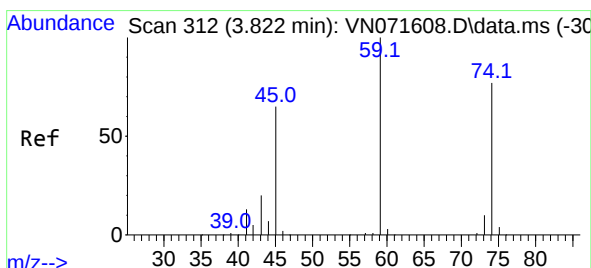
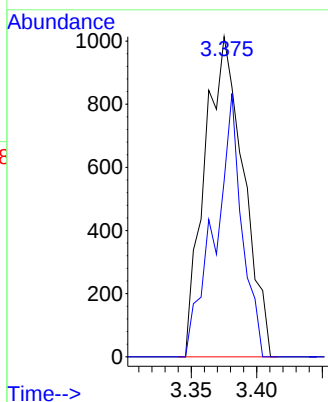
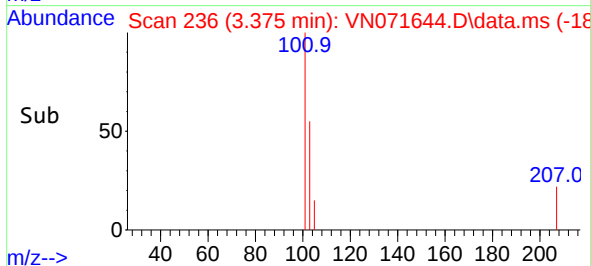
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



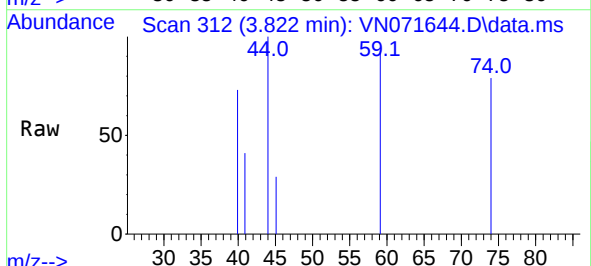
Tgt Ion:101 Resp: 208
Ion Ratio Lower Upper
101 100
103 54.9 51.5 77.3

Manual Integrations
APPROVED

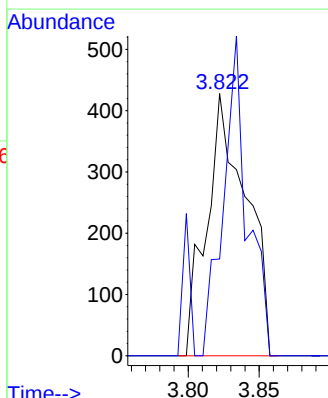
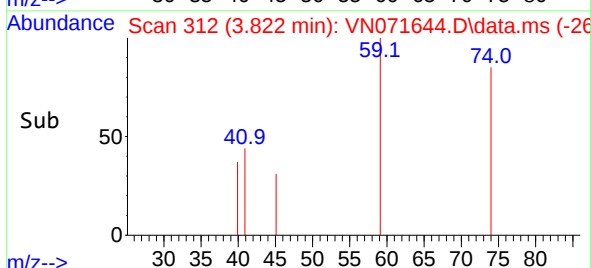
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

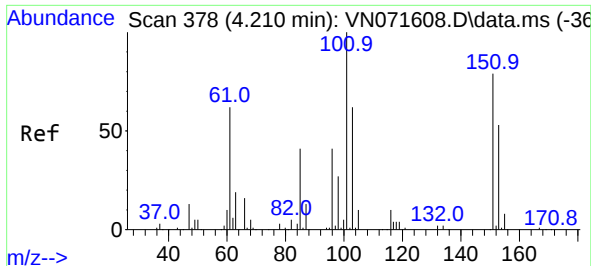


#8
Diethyl Ether
Concen: 0.199 ug/l
RT: 3.822 min Scan# 312
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



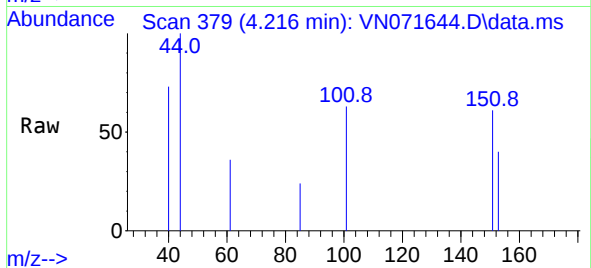
Tgt Ion: 74 Resp: 830
Ion Ratio Lower Upper
74 100
45 74.1 42.9 128.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.180 ug/l m
RT: 4.216 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

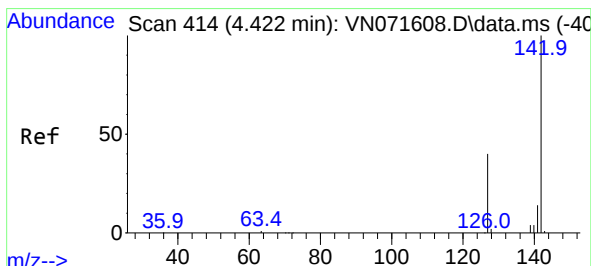
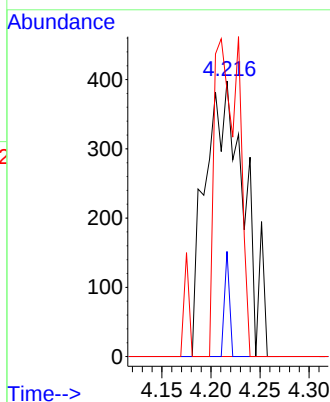
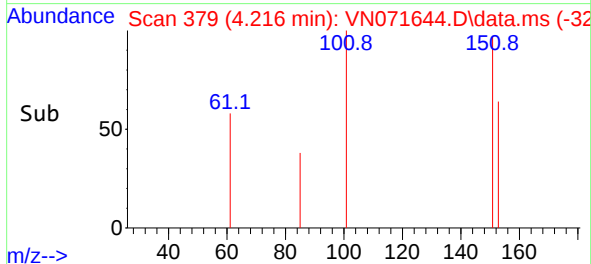
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



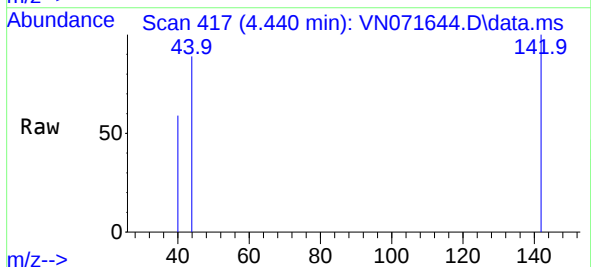
Tgt Ion:101 Resp: 1090
Ion Ratio Lower Upper
101 100
85 0.0 34.7 52.1#
151 0.0 63.0 94.4#

Manual Integrations
APPROVED

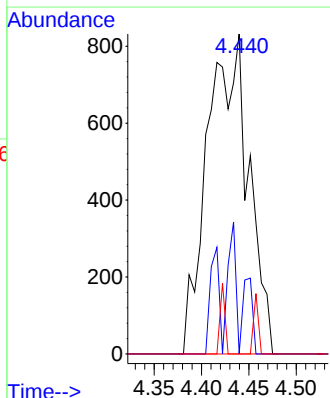
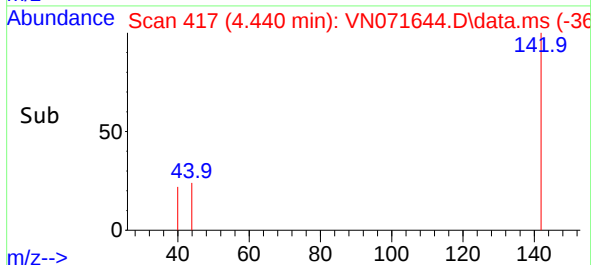
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

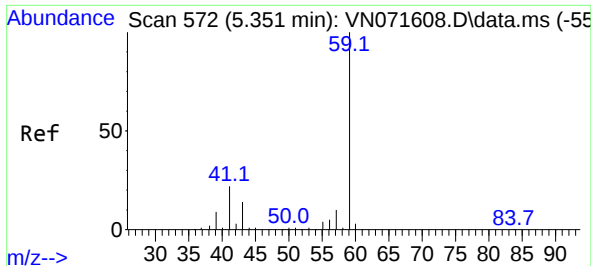


#10
Methyl Iodide
Concen: 0.280 ug/l
RT: 4.440 min Scan# 417
Delta R.T. 0.018 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



Tgt Ion:142 Resp: 2518
Ion Ratio Lower Upper
142 100
127 8.1 31.3 46.9#
141 0.0 11.2 16.8#





#11

Tert butyl alcohol

Concen: 0.651 ug/l m

RT: 5.375 min Scan# 5

Delta R.T. 0.024 min

Lab File: VN071644.D

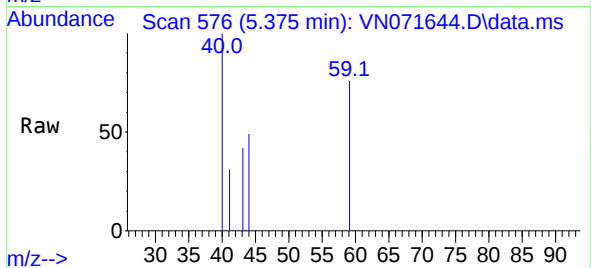
Acq: 29 Mar 2022 20:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022



Tgt Ion: 59 Resp: 90

Ion Ratio Lower Upper

59 100

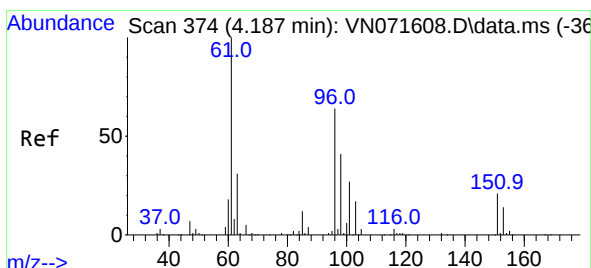
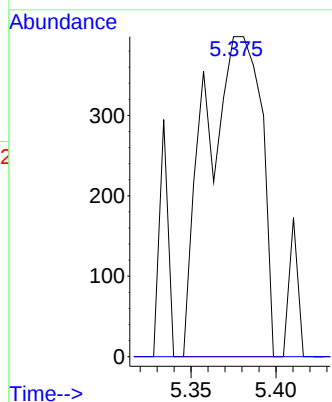
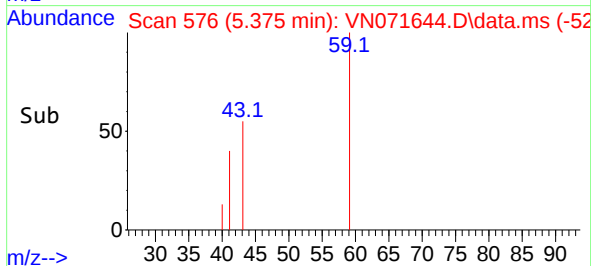
57 0.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/30/2022

Supervised By :Mahesh Dadoda 03/30/2022



#12

1,1-Dichloroethene

Concen: 0.161 ug/l

RT: 4.181 min Scan# 373

Delta R.T. -0.006 min

Lab File: VN071644.D

Acq: 29 Mar 2022 20:06

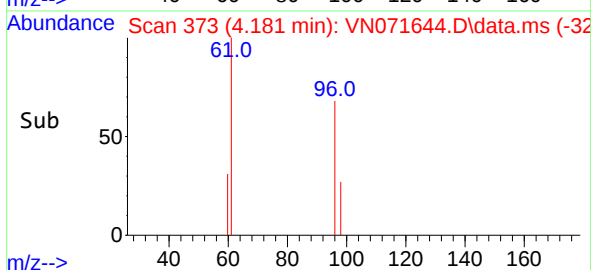
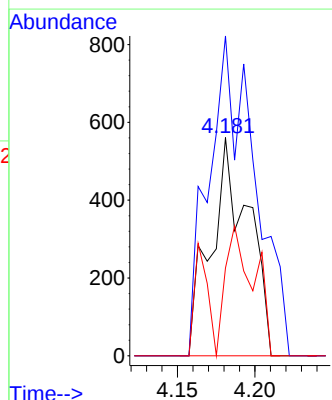
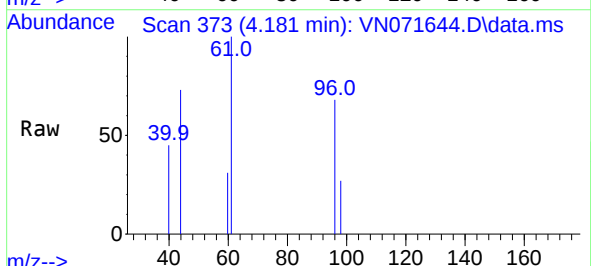
Tgt Ion: 96 Resp: 948

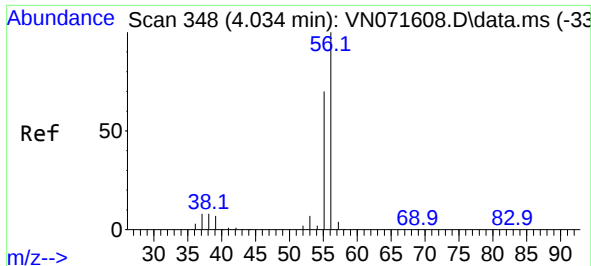
Ion Ratio Lower Upper

96 100

61 146.5 127.6 191.4

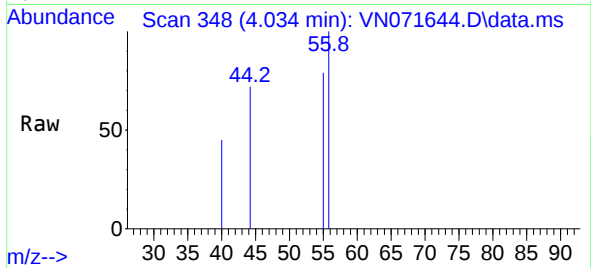
98 40.3 51.2 76.8





#13
Acrolein
Concen: 1.008 ug/l m
RT: 4.034 min Scan# 348
Delta R.T. -0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

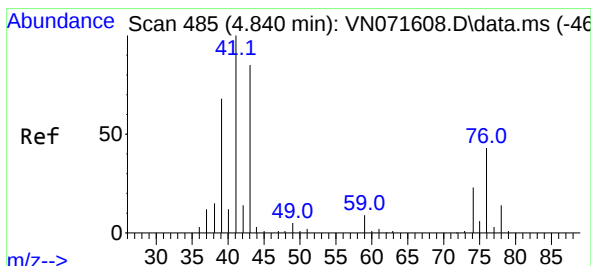
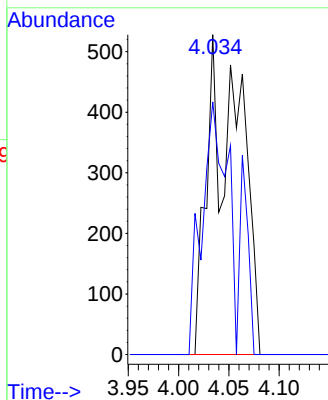
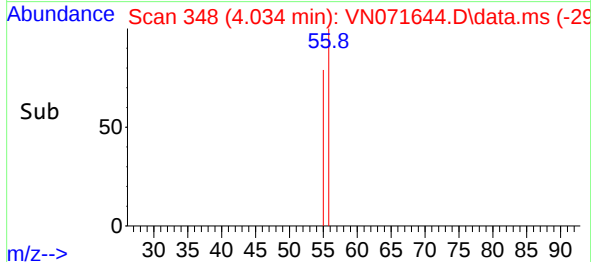
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



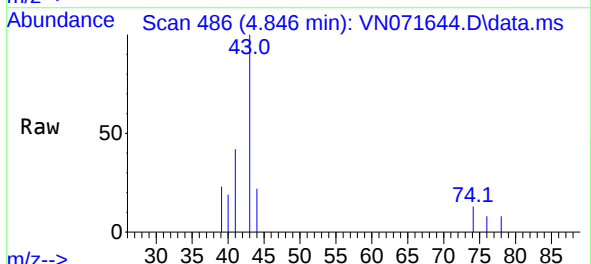
Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 62.3 54.8 82.2

Manual Integrations
APPROVED

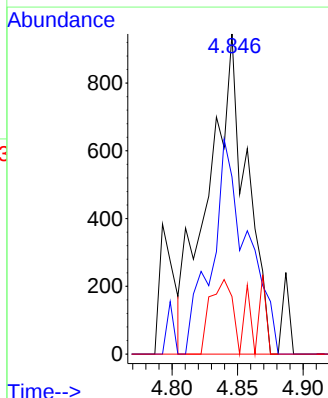
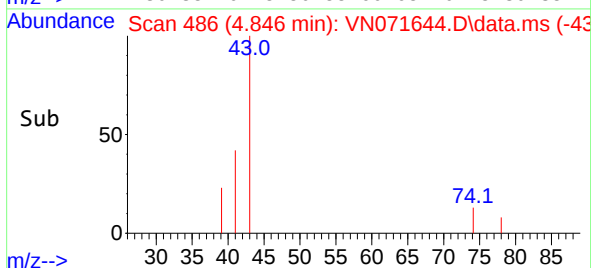
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

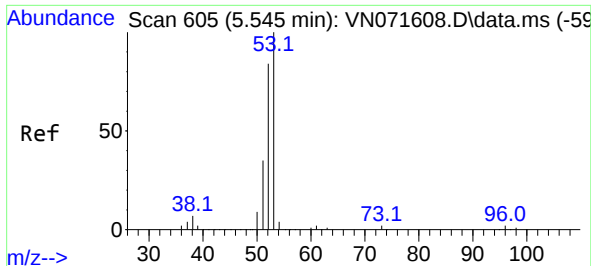


#14
Allyl chloride
Concen: 0.204 ug/l
RT: 4.846 min Scan# 486
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



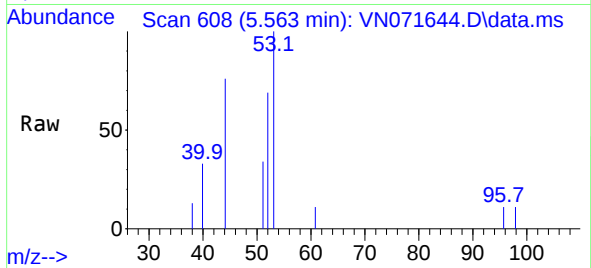
Tgt Ion: 41 Resp: 1920
Ion Ratio Lower Upper
41 100
39 62.8 53.2 79.8
76 13.5 29.9 44.9#





#15
Acrylonitrile
Concen: 1.032 ug/l m
RT: 5.563 min Scan# 605
Delta R.T. 0.018 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

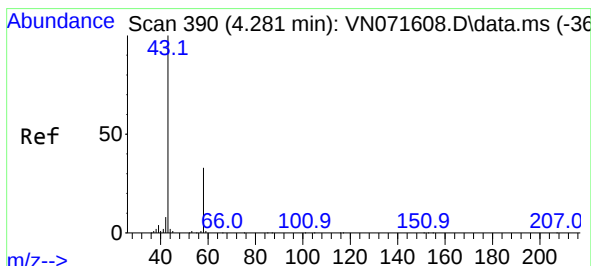
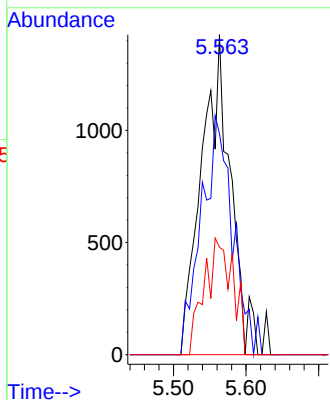
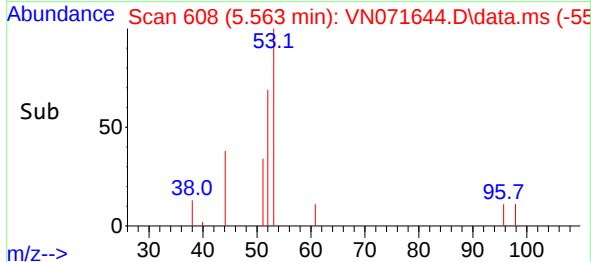
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



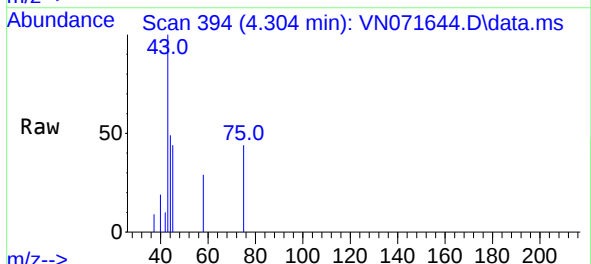
Tgt Ion: 53 Resp: 401
Ion Ratio Lower Upper
53 100
52 79.7 66.4 99.6
51 35.3 28.5 42.7

Manual Integrations
APPROVED

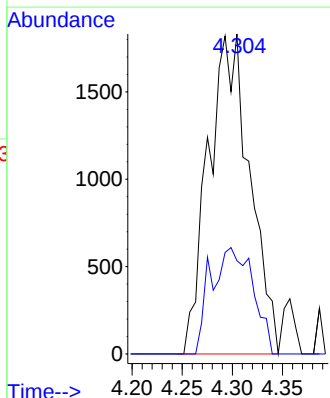
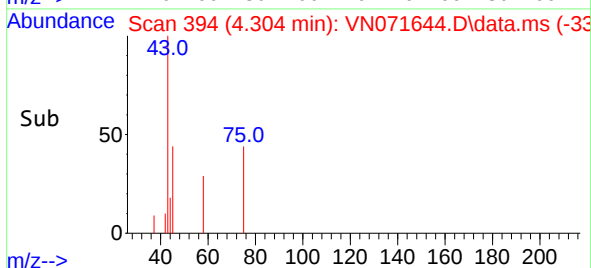
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



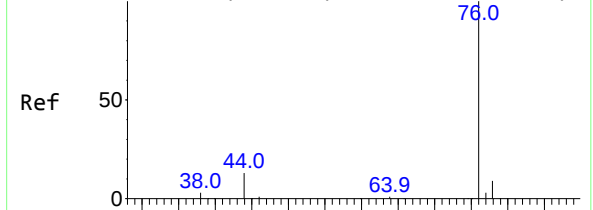
#16
Acetone
Concen: 1.624 ug/l
RT: 4.304 min Scan# 394
Delta R.T. 0.023 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



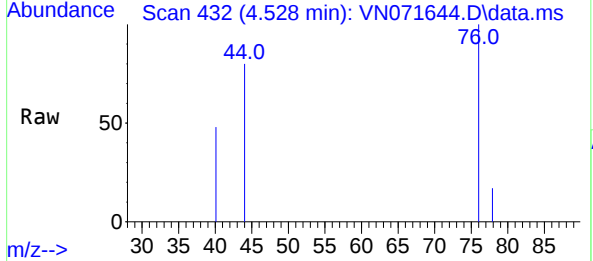
Tgt Ion: 43 Resp: 5282
Ion Ratio Lower Upper
43 100
58 29.1 26.0 39.0



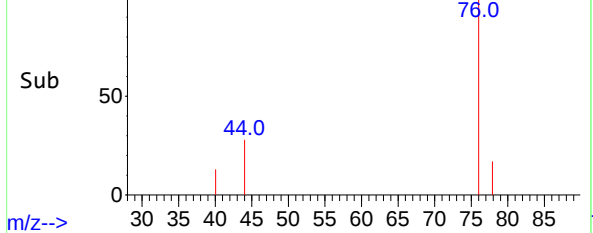
Abundance Scan 433 (4.534 min): VN071608.D\data.ms (-41



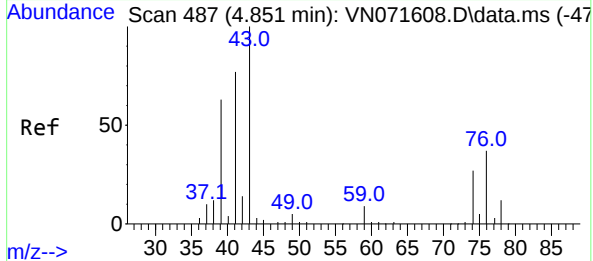
m/z--> Scan 432 (4.528 min): VN071644.D\data.ms



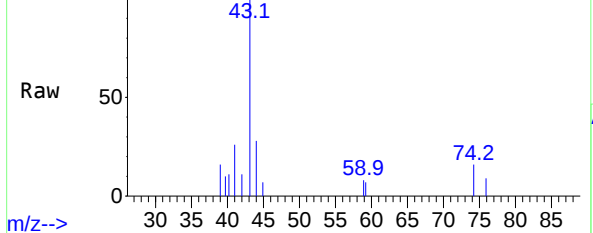
Abundance Scan 432 (4.528 min): VN071644.D\data.ms (-38



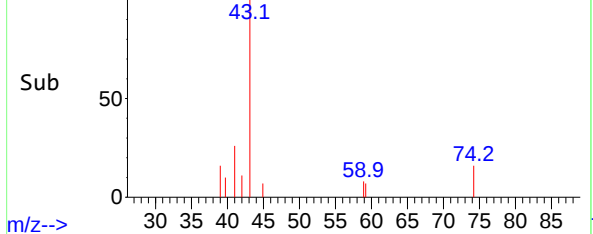
m/z--> Scan 487 (4.851 min): VN071608.D\data.ms (-47



m/z--> Scan 488 (4.857 min): VN071644.D\data.ms



Abundance Scan 488 (4.857 min): VN071644.D\data.ms (-43



m/z--> Scan 433 (4.534 min): VN071608.D\data.ms (-41



m/z--> Scan 432 (4.528 min): VN071644.D\data.ms



#17

Carbon Disulfide

Concen: 0.245 ug/l

RT: 4.528 min Scan# 432

Delta R.T. -0.006 min

Lab File: VN071644.D

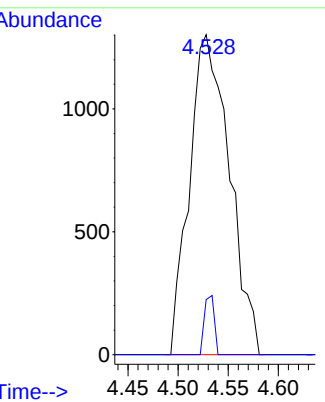
Acq: 29 Mar 2022 20:06

Tgt Ion: 76 Resp: 360

Ion Ratio Lower Upper

76 100

78 17.2 7.2 10.8



#18

Methyl Acetate

Concen: 0.880 ug/l

RT: 4.857 min Scan# 488

Delta R.T. 0.006 min

Lab File: VN071644.D

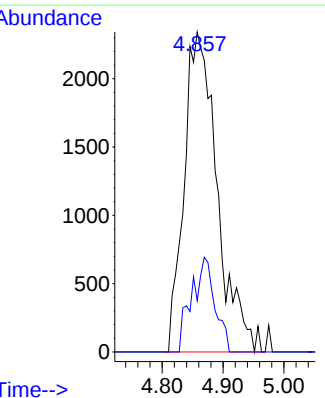
Acq: 29 Mar 2022 20:06

Tgt Ion: 43 Resp: 8846

Ion Ratio Lower Upper

43 100

74 20.8 21.6 32.4



Instrument :

MSVOA_N

ClientSampleId :

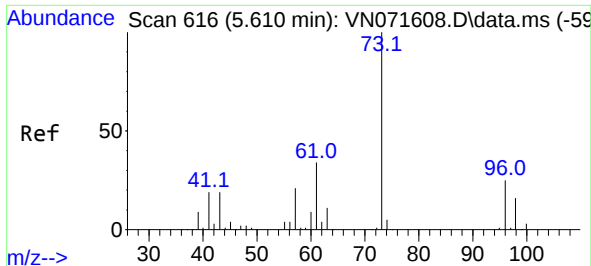
MDL-WATER-03-QT1-2022

Manual Integrations

APPROVED

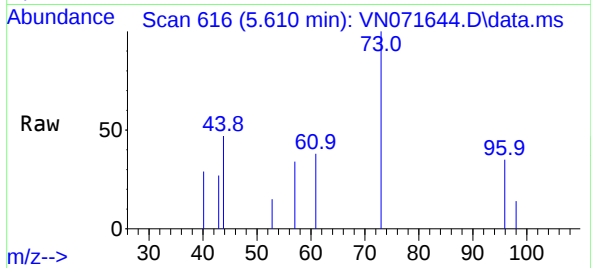
Reviewed By :John Carlone 03/30/2022

Supervised By :Mahesh Dadoda 03/30/2022



#19
Methyl tert-butyl Ether
Concen: 0.182 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

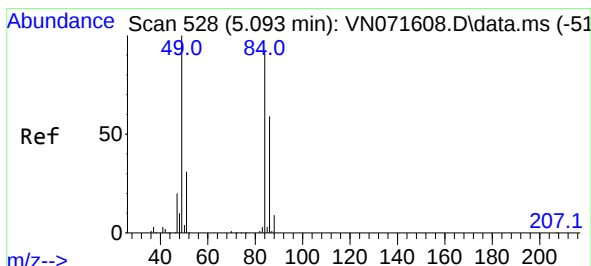
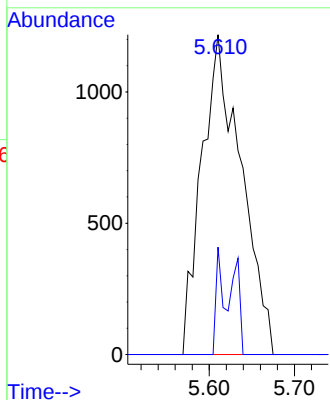
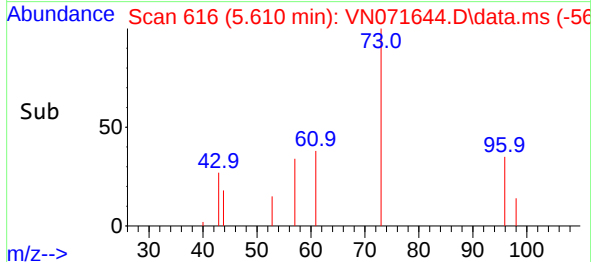
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



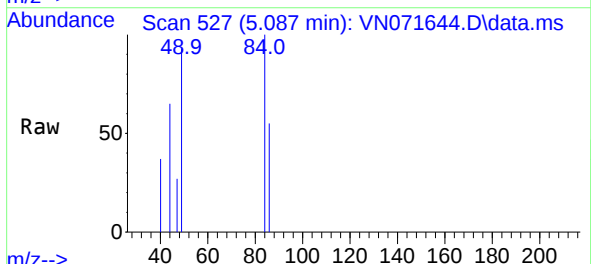
Tgt Ion: 73 Resp: 392
Ion Ratio Lower Upper
73 100
57 33.6 17.6 26.4

Manual Integrations
APPROVED

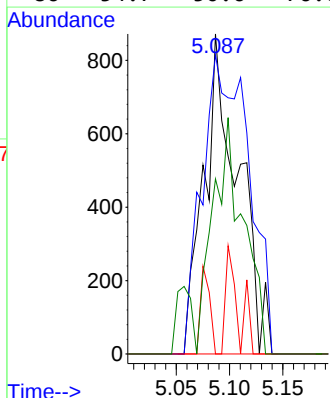
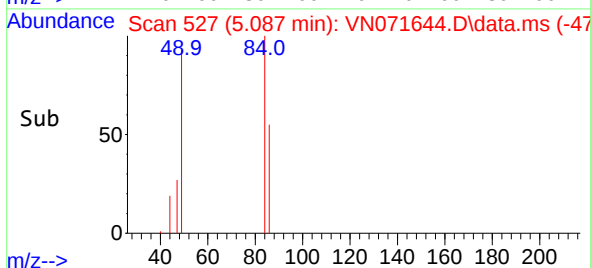
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

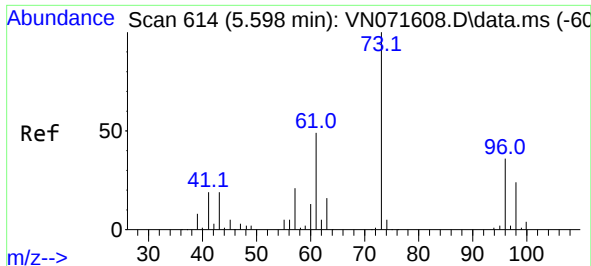


#20
Methylene Chloride
Concen: 0.273 ug/l
RT: 5.087 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



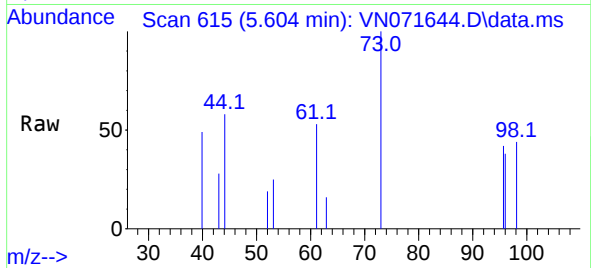
Tgt Ion: 84 Resp: 1961
Ion Ratio Lower Upper
84 100
49 93.5 88.3 132.5
51 0.0 28.2 42.2
86 54.7 50.6 76.0





#21
trans-1,2-Dichloroethene
Concen: 0.244 ug/l
RT: 5.604 min Scan# 614
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

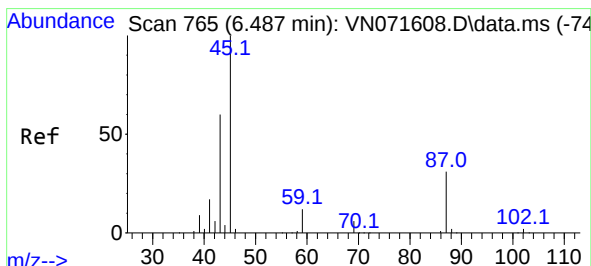
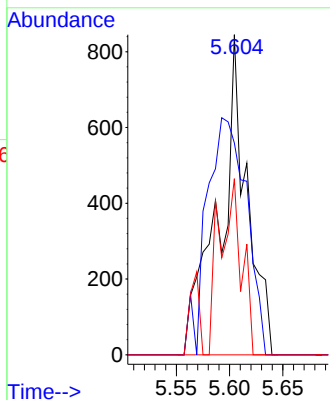
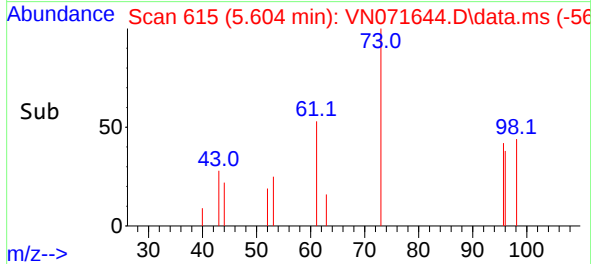
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



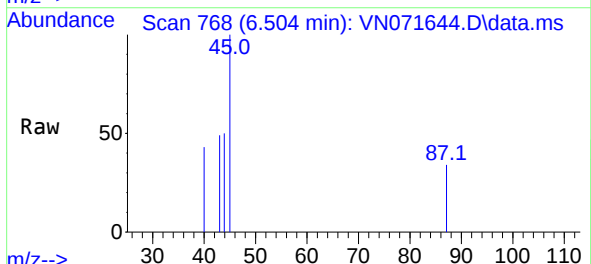
Tgt Ion: 96 Resp: 154
Ion Ratio Lower Upper
96 100
61 66.2 105.8 158.8
98 55.0 50.3 75.5

Manual Integrations
APPROVED

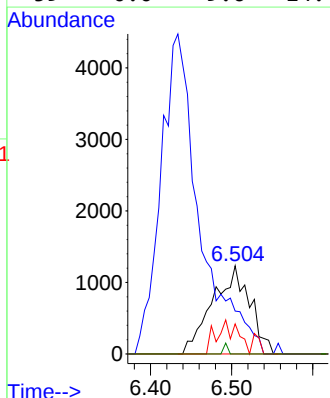
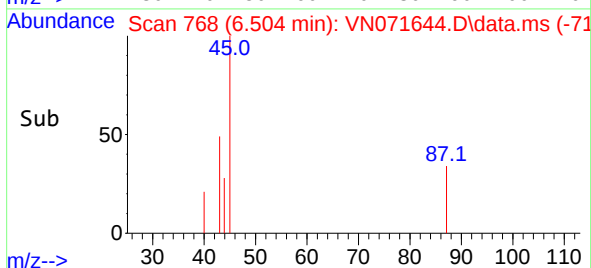
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

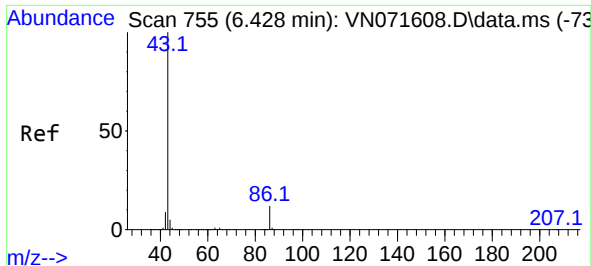


#22
Diisopropyl ether
Concen: 0.196 ug/l
RT: 6.504 min Scan# 768
Delta R.T. 0.017 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



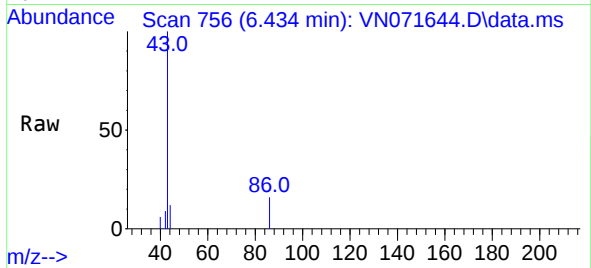
Tgt Ion: 45 Resp: 3940
Ion Ratio Lower Upper
45 100
43 36.3 46.6 70.0#
87 34.1 24.3 36.5
59 0.0 9.6 14.4#





#23
 Vinyl Acetate
 Concen: 0.874 ug/l
 RT: 6.434 min Scan# 756
 Delta R.T. 0.006 min
 Lab File: VN071644.D
 Acq: 29 Mar 2022 20:06

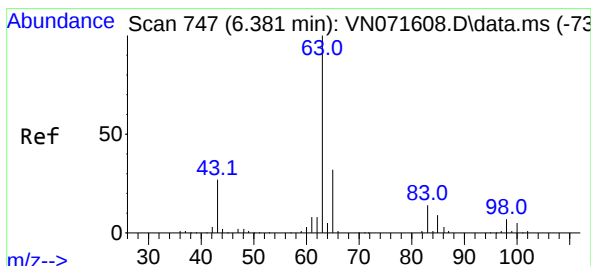
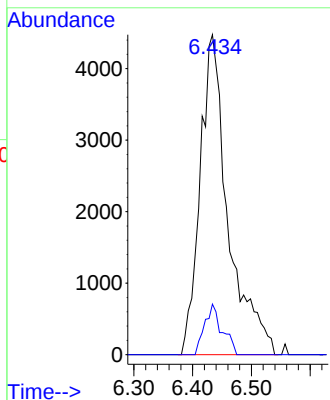
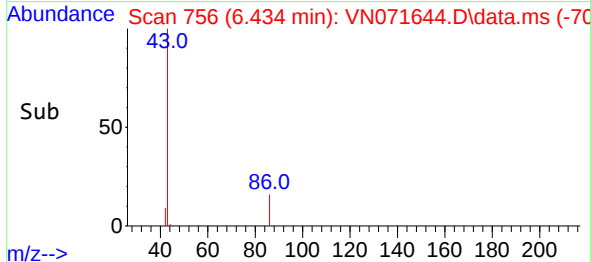
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2022



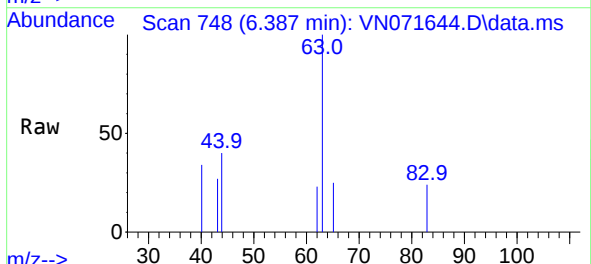
Tgt Ion: 43 Resp: 1485
 Ion Ratio Lower Upper
 43 100
 86 15.8 10.0 15.0

Manual Integrations
 APPROVED

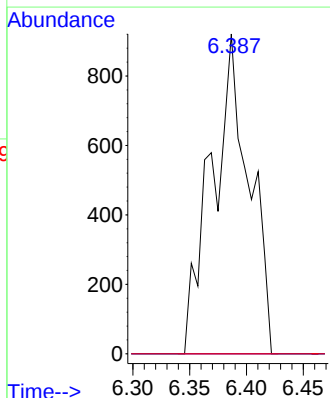
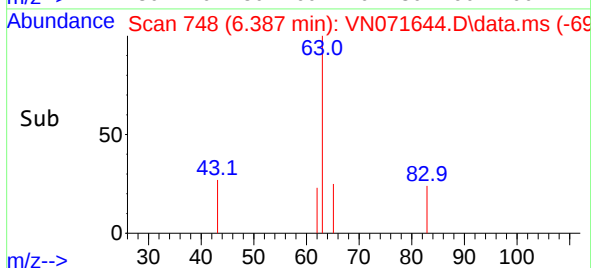
Reviewed By :John Carlone 03/30/2022
 Supervised By :Mahesh Dadoda 03/30/2022

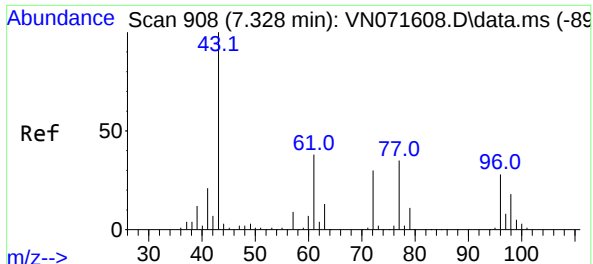


#24
 1,1-Dichloroethane
 Concen: 0.176 ug/l
 RT: 6.387 min Scan# 748
 Delta R.T. 0.006 min
 Lab File: VN071644.D
 Acq: 29 Mar 2022 20:06



Tgt Ion: 63 Resp: 2115
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.4#
 100 0.0 2.3 6.8#





#25

2-Butanone

Concen: 0.985 ug/l

RT: 7.351 min Scan# 912

Delta R.T. 0.023 min

Lab File: VN071644.D

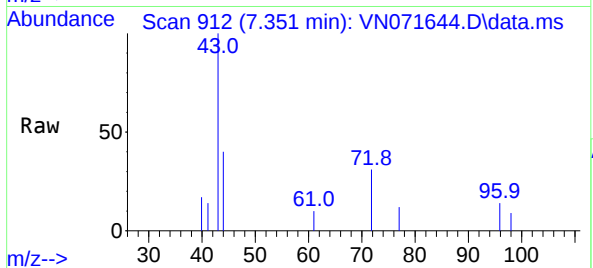
Acq: 29 Mar 2022 20:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022



Tgt Ion: 43 Resp: 498

Ion Ratio Lower Upper

43 100

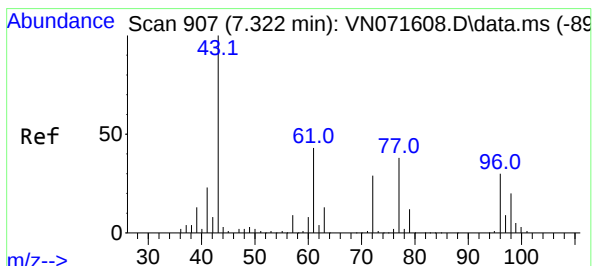
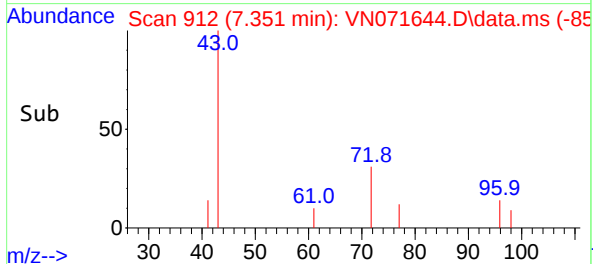
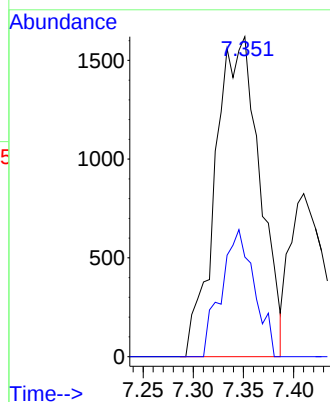
72 31.1 23.7 35.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/30/2022

Supervised By :Mahesh Dadoda 03/30/2022



#26

2,2-Dichloropropane

Concen: 0.163 ug/l

RT: 7.322 min Scan# 907

Delta R.T. -0.000 min

Lab File: VN071644.D

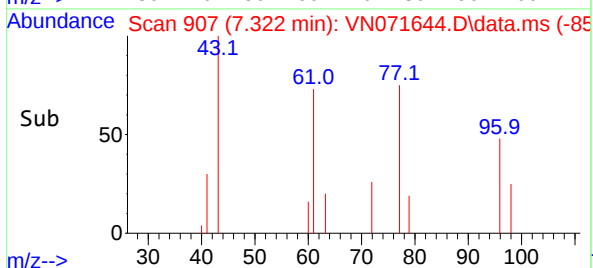
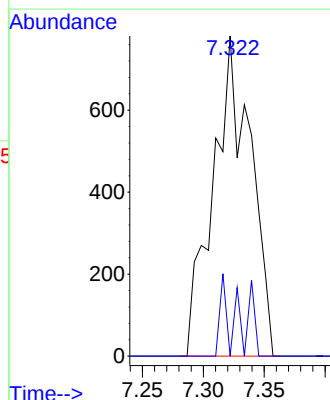
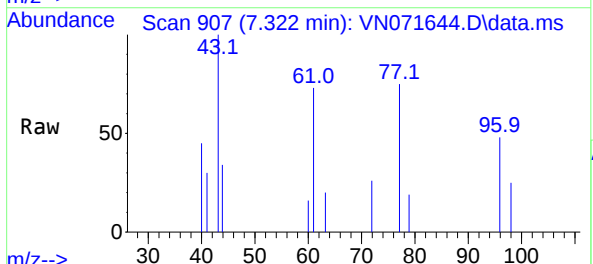
Acq: 29 Mar 2022 20:06

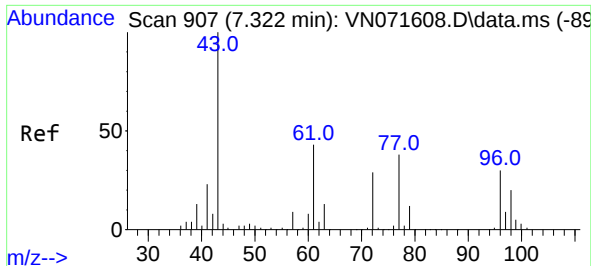
Tgt Ion: 77 Resp: 1677

Ion Ratio Lower Upper

77 100

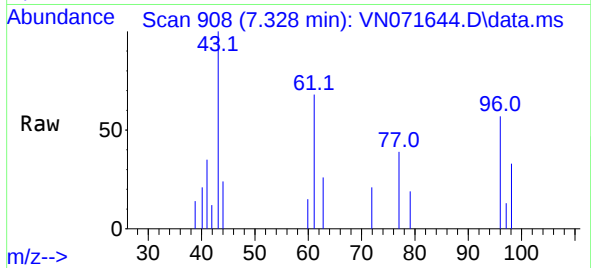
97 4.2 11.4 34.2#





#27
cis-1,2-Dichloroethene
Concen: 0.197 ug/l
RT: 7.328 min Scan# 907
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

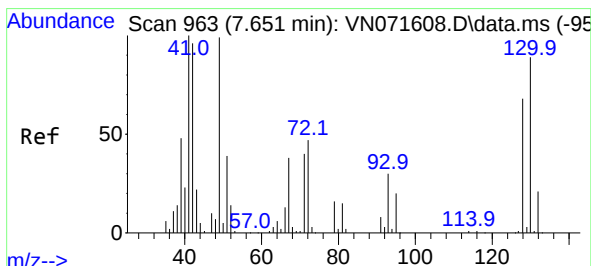
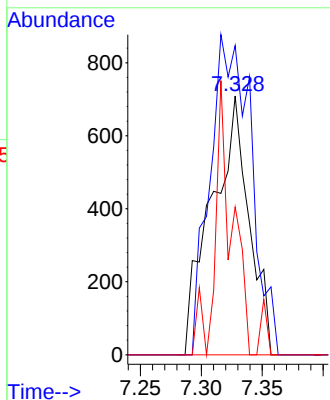
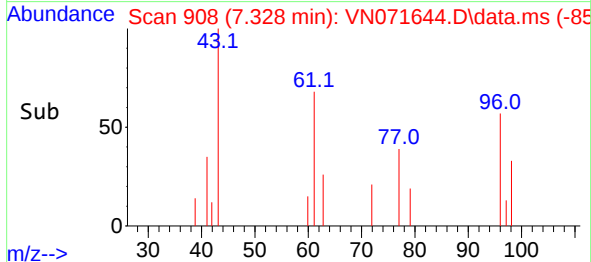
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 96 Resp: 1520
Ion Ratio Lower Upper
96 100
61 134.8 0.0 280.6
98 47.8 0.0 128.4

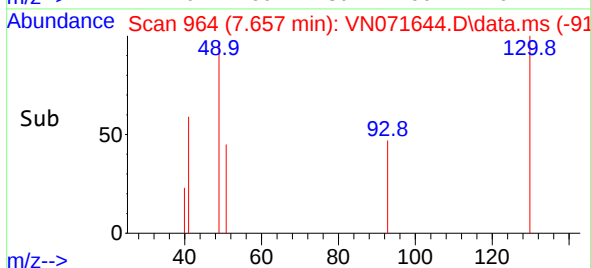
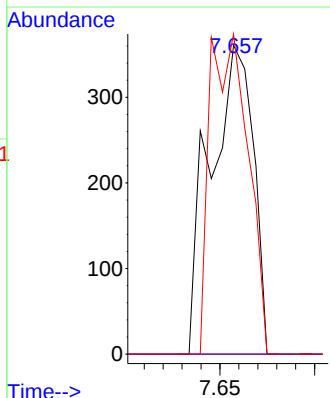
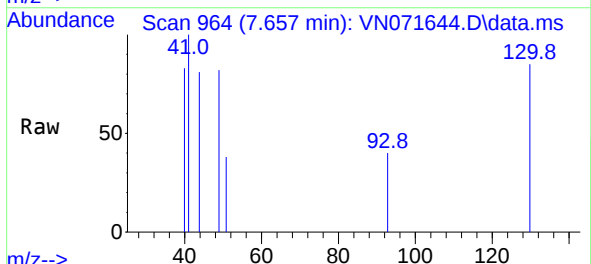
Manual Integrations
APPROVED

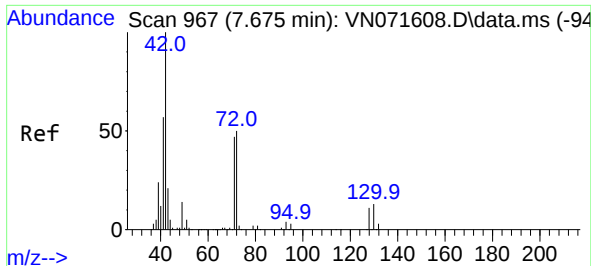
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#28
Bromochloromethane
Concen: 0.118 ug/l
RT: 7.657 min Scan# 964
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

Tgt Ion: 49 Resp: 572
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 92.0 69.7 104.5





#29

Tetrahydrofuran

Concen: 1.206 ug/l

RT: 7.687 min Scan# 90

Delta R.T. 0.012 min

Lab File: VN071644.D

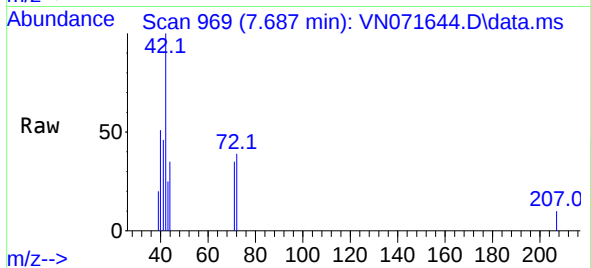
Acq: 29 Mar 2022 20:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022



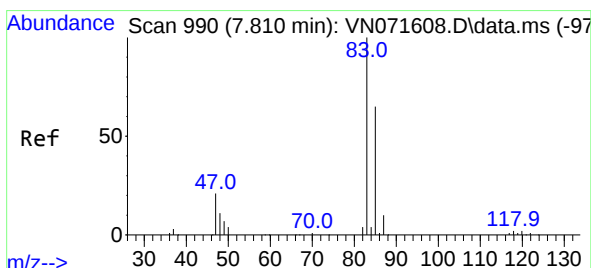
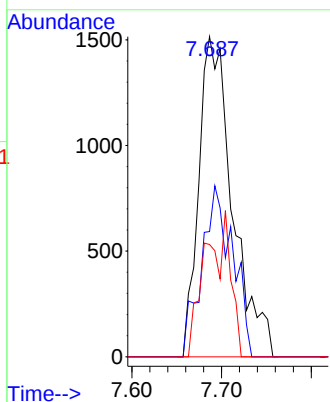
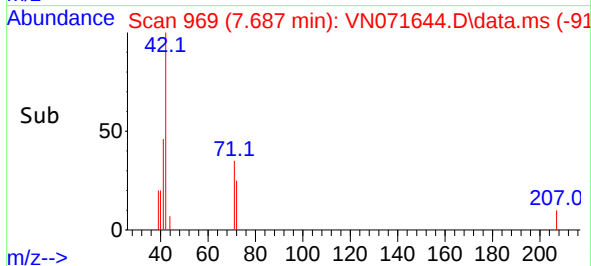
Tgt Ion:	42	Resp:	396
Ion	Ratio	Lower	Upper
42	100		
72	49.1	39.7	59.5
71	21.9	36.6	55.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/30/2022

Supervised By :Mahesh Dadoda 03/30/2022



#30

Chloroform

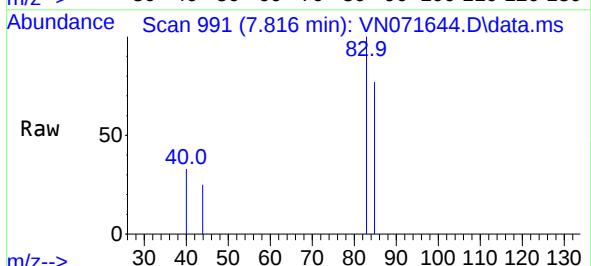
Concen: 0.206 ug/l

RT: 7.816 min Scan# 991

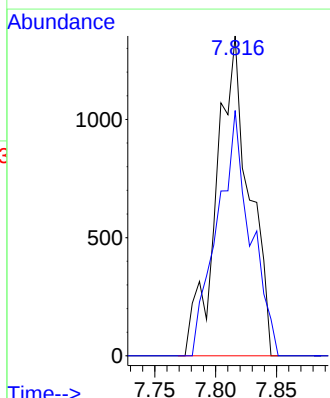
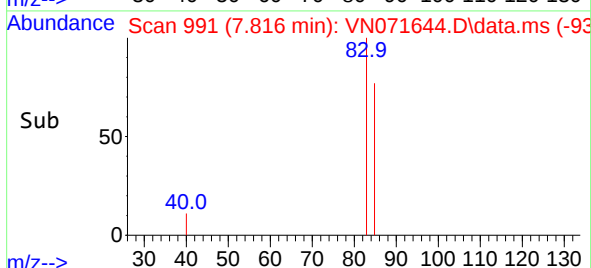
Delta R.T. 0.006 min

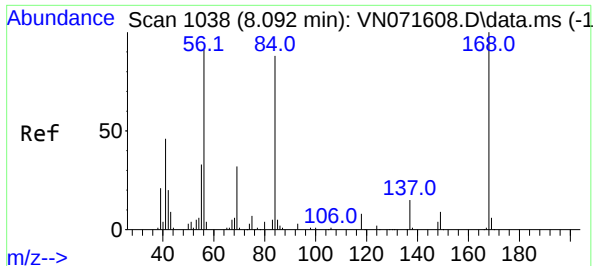
Lab File: VN071644.D

Acq: 29 Mar 2022 20:06



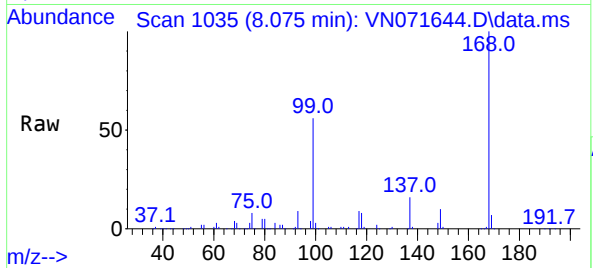
Tgt Ion:	83	Resp:	2535
Ion	Ratio	Lower	Upper
83	100		
85	76.7	51.8	77.8





#31
Cyclohexane
Concen: 1.252 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.017 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

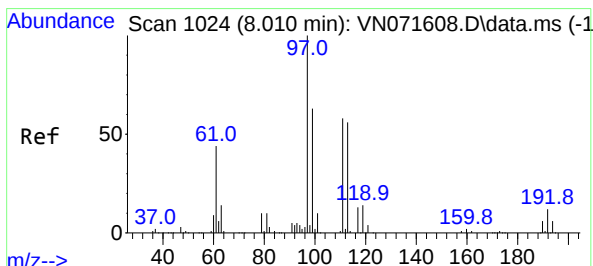
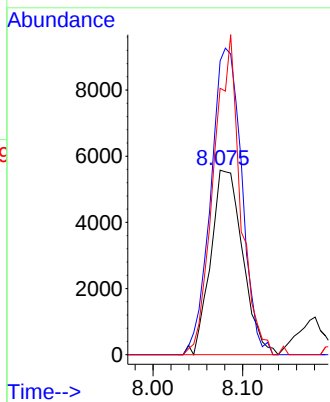
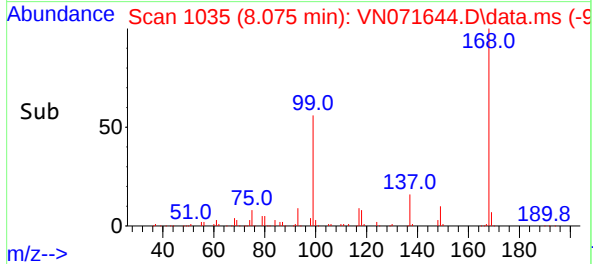
Instrument : MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 56 Resp: 1379
Ion Ratio Lower Upper
56 100
69 159.3 27.8 41.8
84 144.5 76.9 115.3

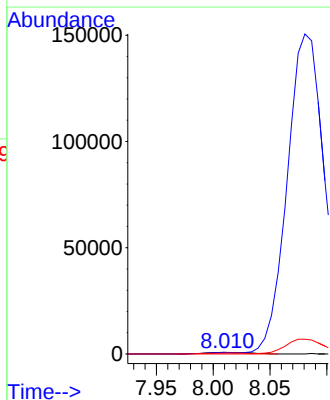
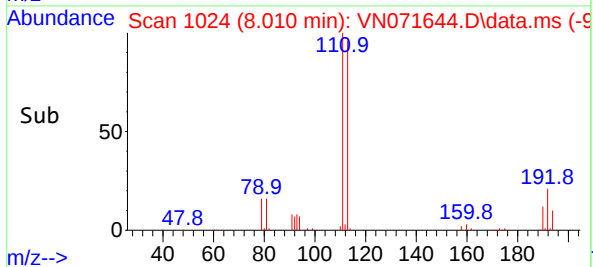
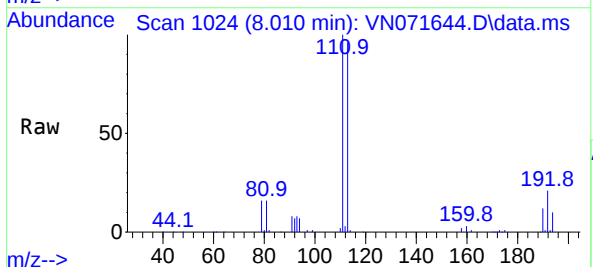
Manual Integrations
APPROVED

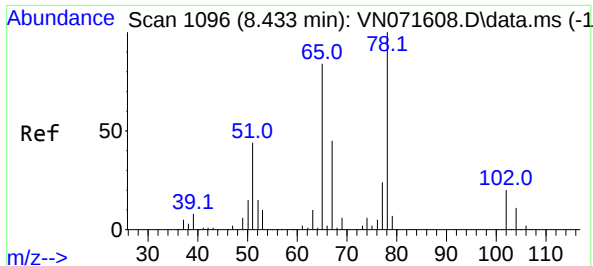
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#32
1,1,1-Trichloroethane
Concen: 0.190 ug/l
RT: 8.010 min Scan# 1024
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

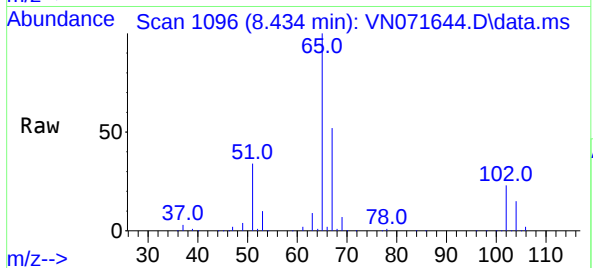
Tgt Ion: 97 Resp: 2027
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0
61 49.2 36.0 54.0





#33
1,2-Dichloroethane-d4
Concen: 52.662 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.001 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

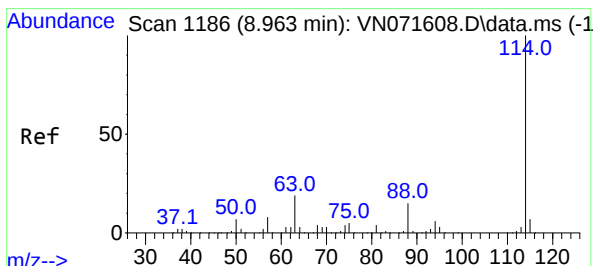
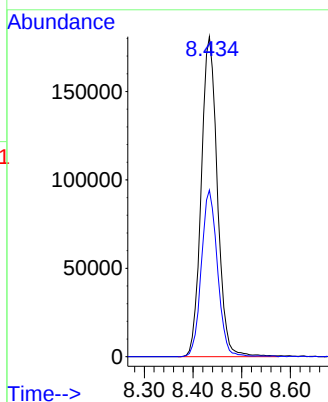
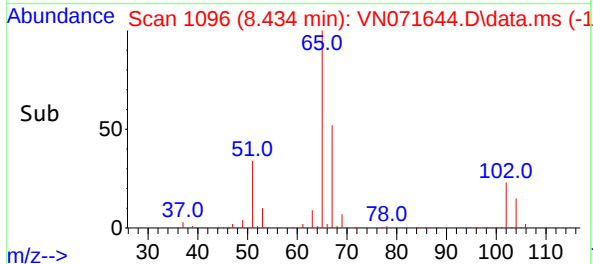
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



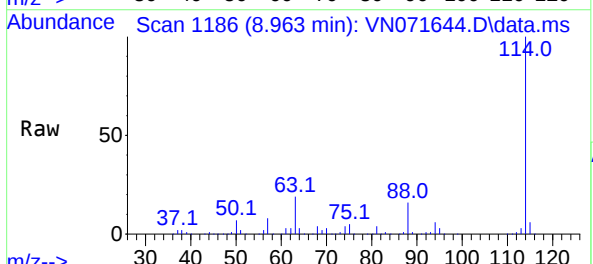
Tgt Ion: 65 Resp: 415378
Ion Ratio Lower Upper
65 100
67 51.9 0.0 104.8

Manual Integrations
APPROVED

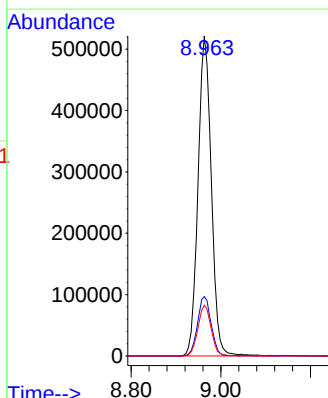
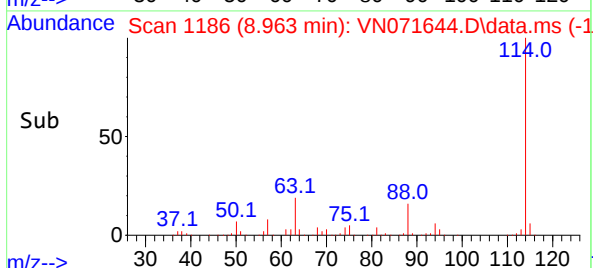
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

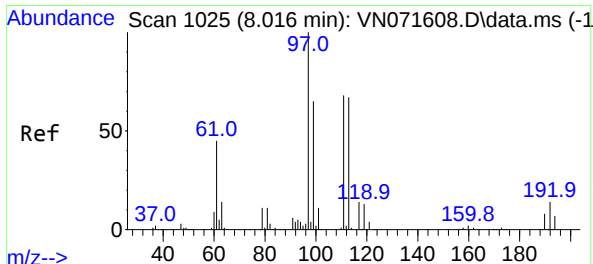


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



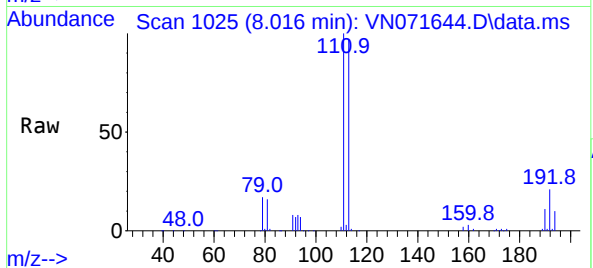
Tgt Ion:114 Resp: 1072216
Ion Ratio Lower Upper
114 100
63 18.6 0.0 40.0
88 15.9 0.0 32.6





#35
Dibromofluoromethane
Concen: 49.613 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

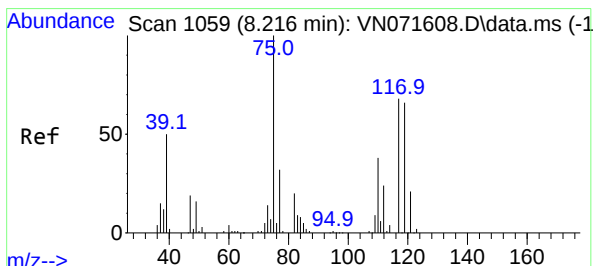
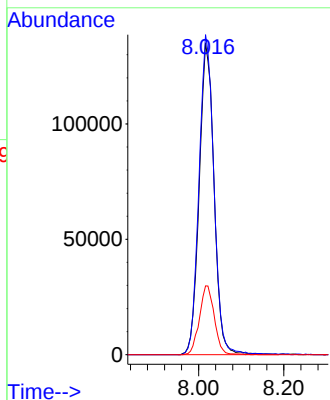
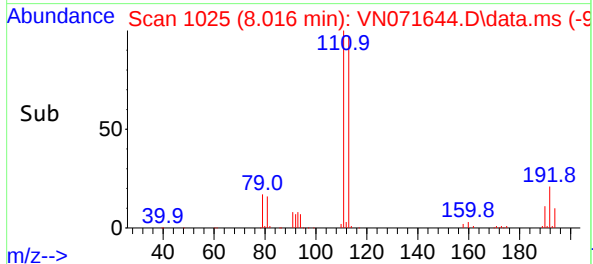
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion:113 Resp: 32670
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 22.0 17.0 25.6

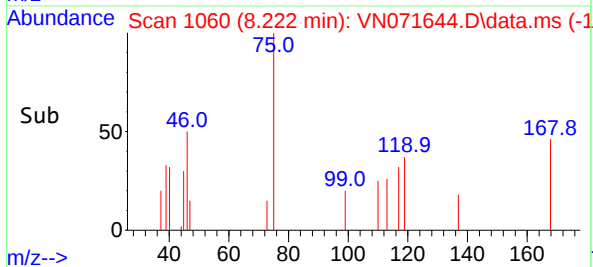
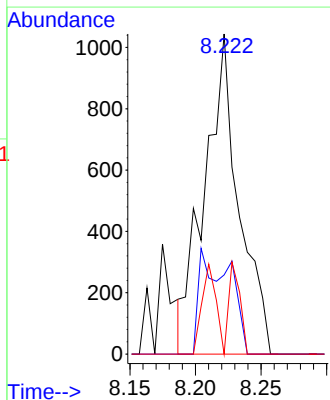
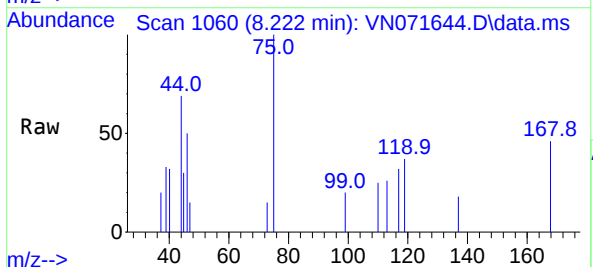
Manual Integrations
APPROVED

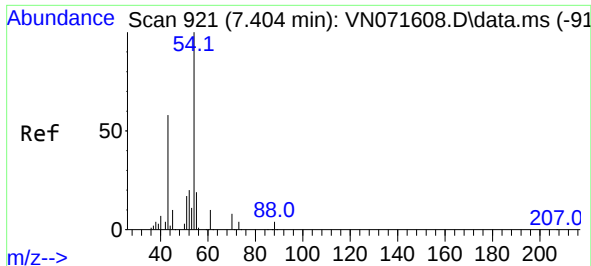
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#36
1,1-Dichloropropene
Concen: 0.200 ug/l
RT: 8.222 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

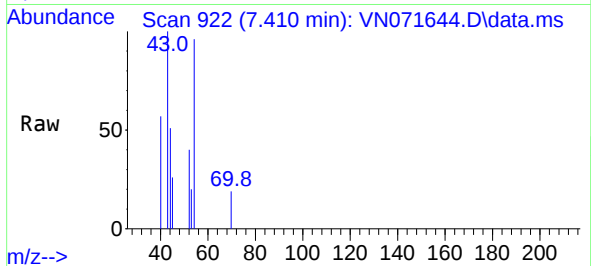
Tgt Ion: 75 Resp: 1898
Ion Ratio Lower Upper
75 100
110 0.0 18.3 54.8#
77 9.3 25.1 37.7#





#37
Ethyl Acetate
Concen: 0.197 ug/l
RT: 7.410 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

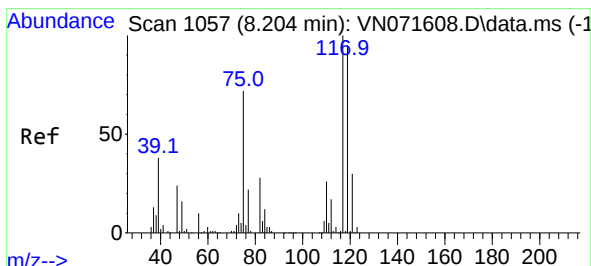
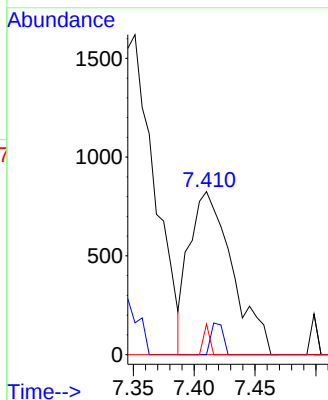
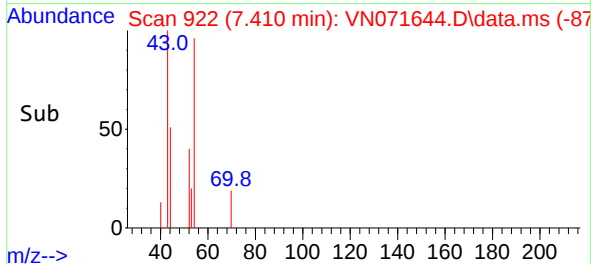
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
61 5.4 11.8 17.6
70 2.7 9.3 13.9

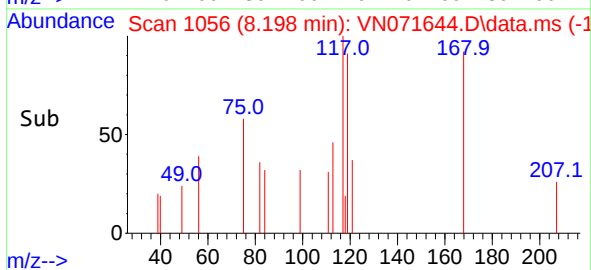
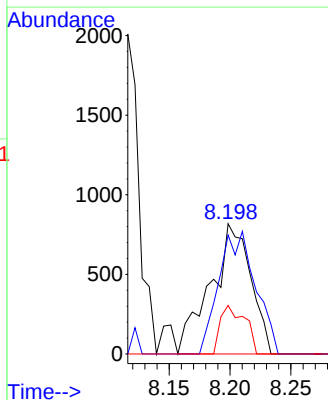
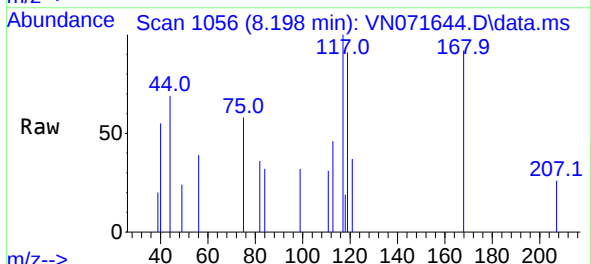
Manual Integrations
APPROVED

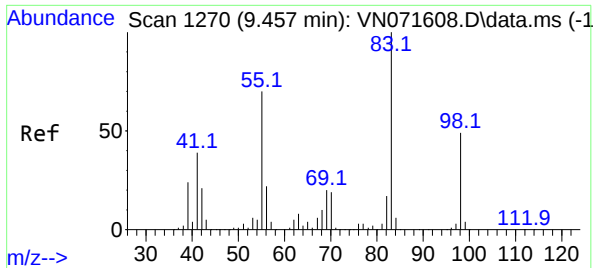
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#38
Carbon Tetrachloride
Concen: 0.201 ug/l
RT: 8.198 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

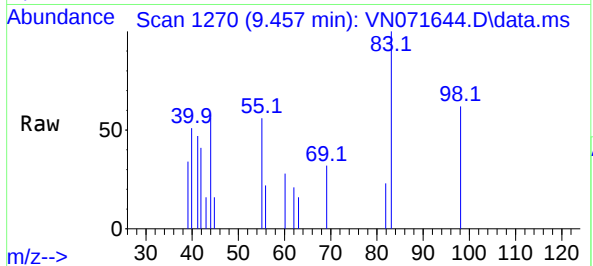
Tgt Ion:117 Resp: 1883
Ion Ratio Lower Upper
117 100
119 91.3 75.8 113.8
121 37.3 24.6 37.0#





#39
Methylcyclohexane
Concen: 0.189 ug/l
RT: 9.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

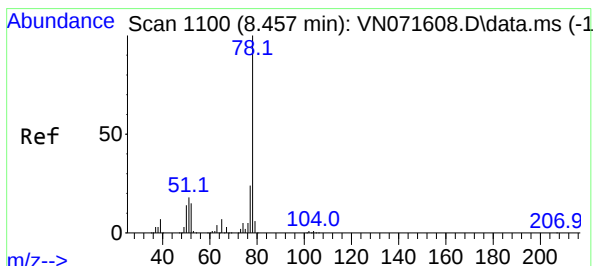
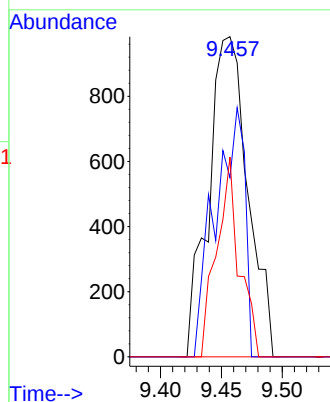
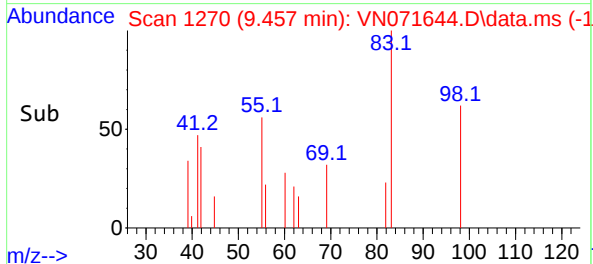
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 83 Resp: 221
Ion Ratio Lower Upper
83 100
55 56.0 57.8 86.8
98 62.4 39.4 59.2

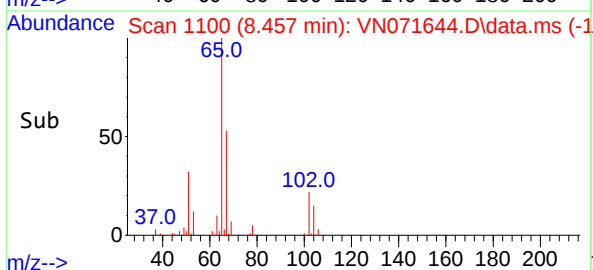
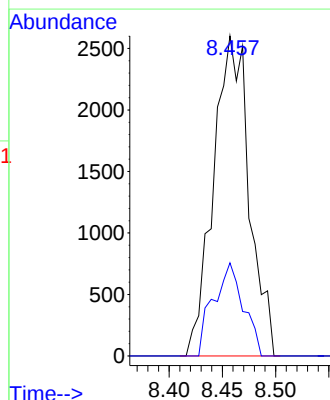
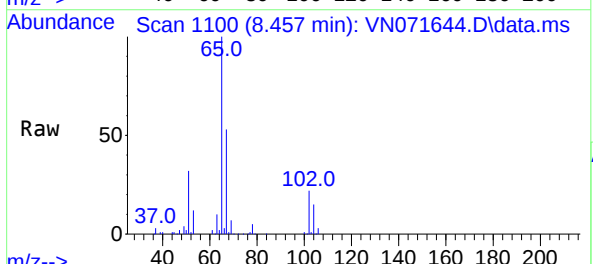
Manual Integrations
APPROVED

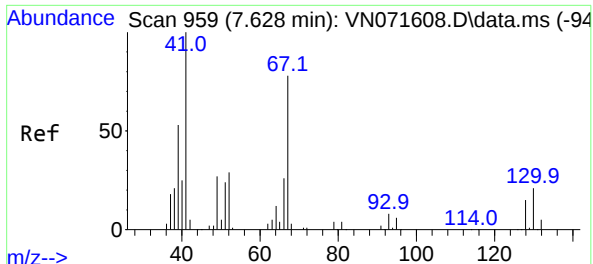
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#40
Benzene
Concen: 0.209 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

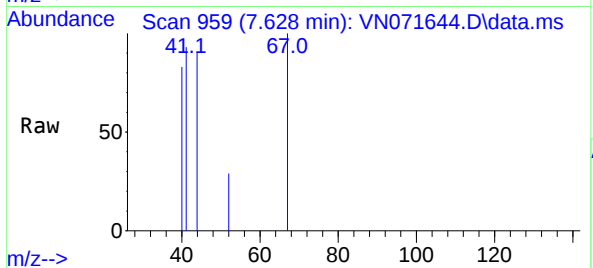
Tgt Ion: 78 Resp: 6072
Ion Ratio Lower Upper
78 100
77 29.1 19.4 29.0





#41
Methacrylonitrile
Concen: 0.196 ug/l
RT: 7.628 min Scan# 959
Delta R.T. -0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

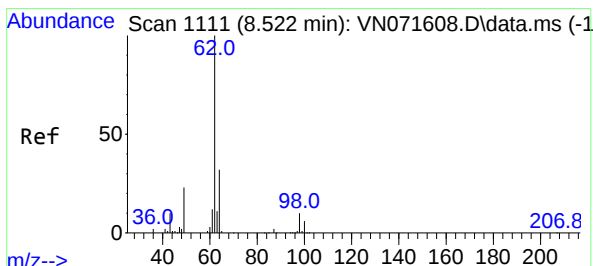
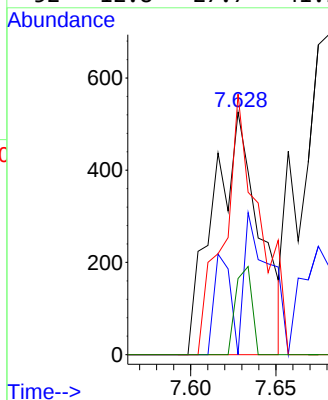
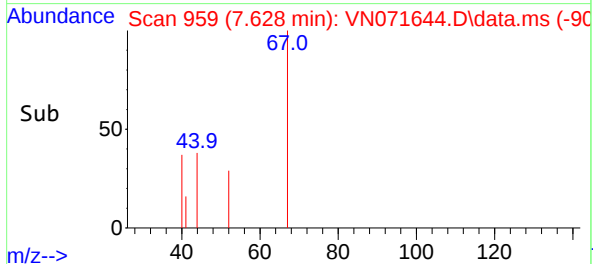
Instrument :
MSVOA_N
Client Sample Id :
MDL-WATER-03-QT1-2022



Tgt Ion: 41 Resp: 985
Ion Ratio Lower Upper
41 100
39 32.3 48.6 73.0
67 84.1 73.4 110.2
52 12.8 27.7 41.5#

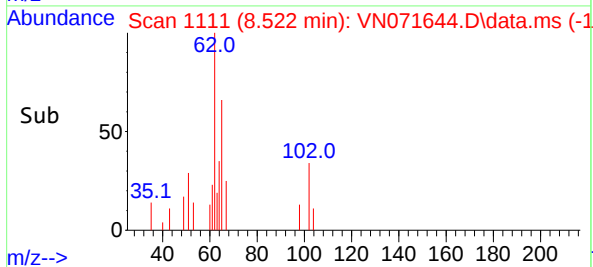
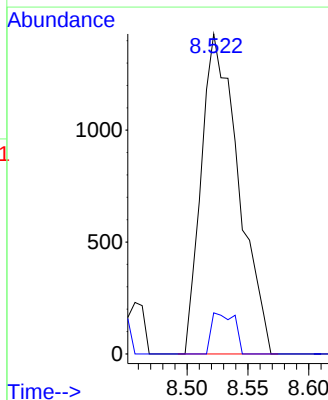
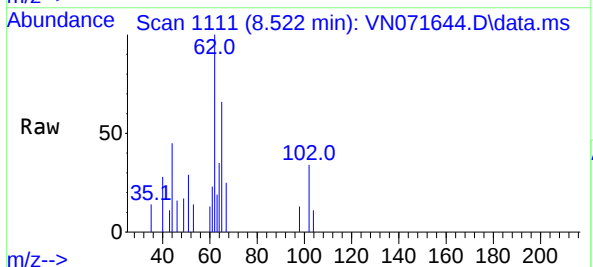
Manual Integrations
APPROVED

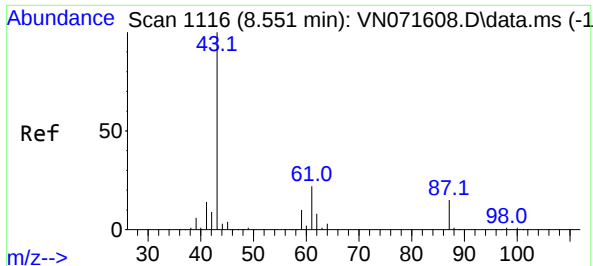
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#42
1,2-Dichloroethane
Concen: 0.303 ug/l
RT: 8.522 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

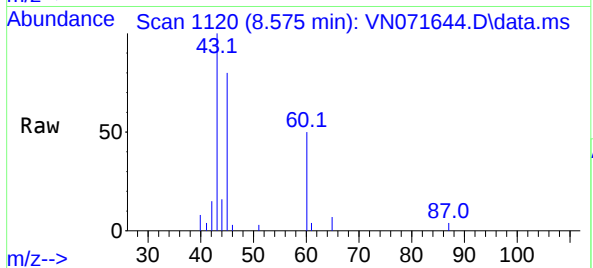
Tgt Ion: 62 Resp: 3041
Ion Ratio Lower Upper
62 100
98 7.9 0.0 19.4





#43
Isopropyl Acetate
Concen: 0.723 ug/l
RT: 8.575 min Scan# 1116
Delta R.T. 0.024 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

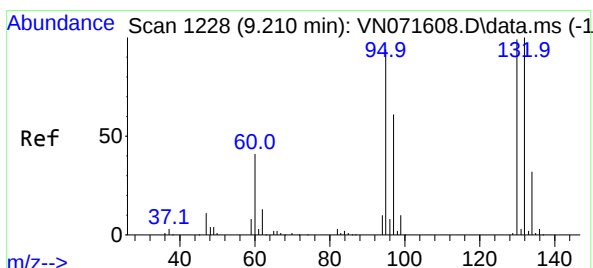
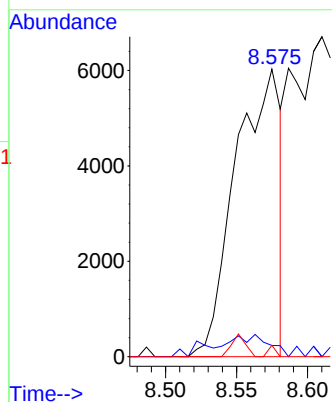
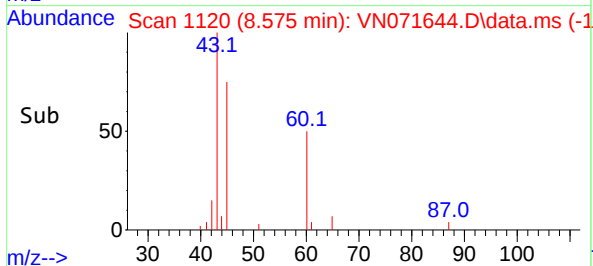
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



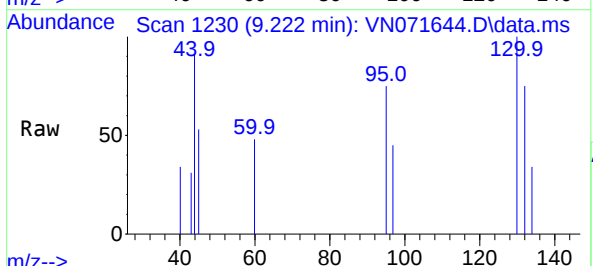
Tgt Ion: 43 Resp: 13280
Ion Ratio Lower Upper
43 100
61 6.7 21.9 32.9
87 0.6 12.0 18.0

Manual Integrations
APPROVED

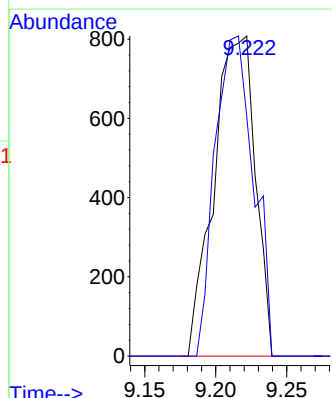
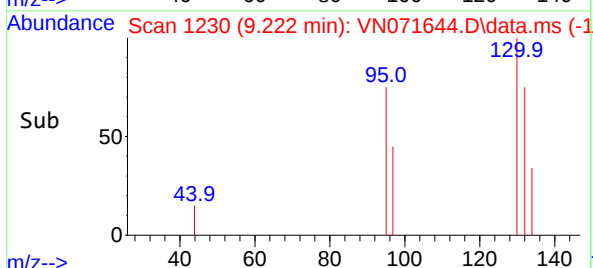
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

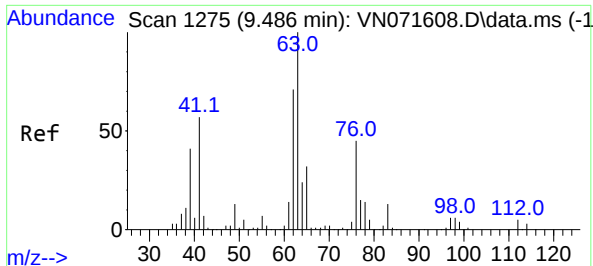


#44
Trichloroethene
Concen: 0.215 ug/l
RT: 9.222 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



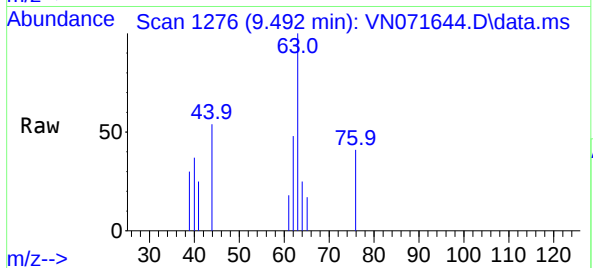
Tgt Ion:130 Resp: 1641
Ion Ratio Lower Upper
130 100
95 74.9 0.0 186.8





#45
1,2-Dichloropropane
Concen: 0.217 ug/l
RT: 9.492 min Scan# 1276
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

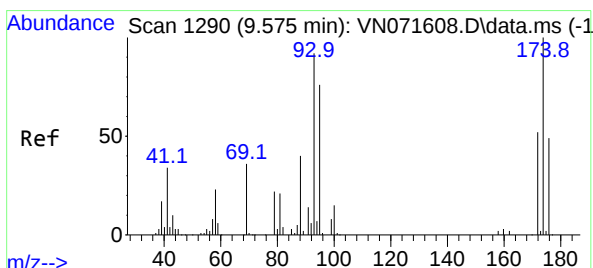
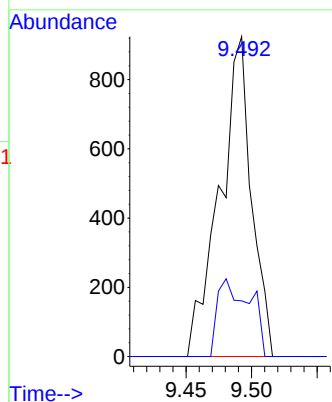
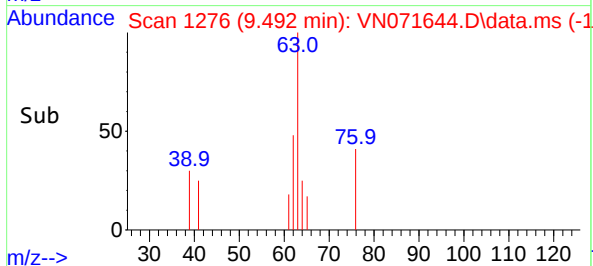
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



Tgt Ion: 63 Resp: 1552
Ion Ratio Lower Upper
63 100
65 17.4 24.9 37.3

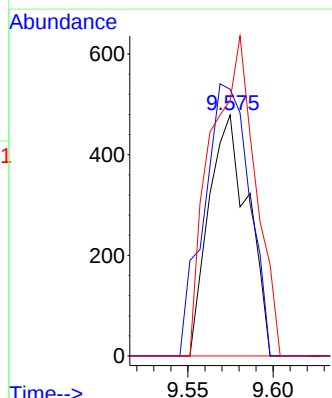
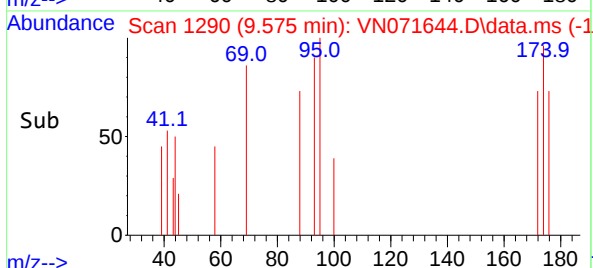
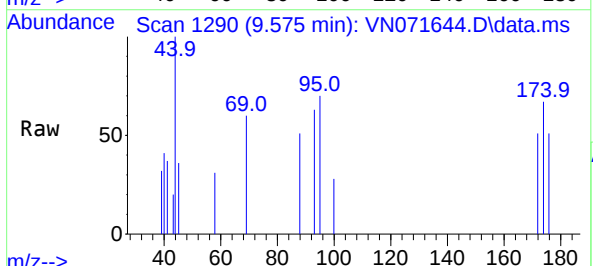
Manual Integrations
APPROVED

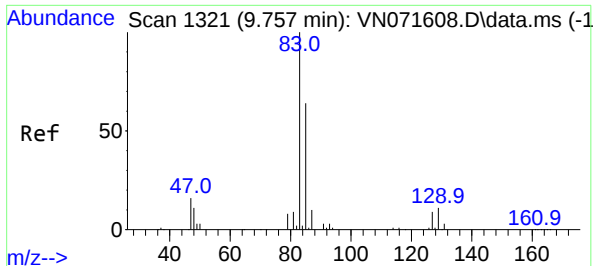
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#46
Dibromomethane
Concen: 0.157 ug/l
RT: 9.575 min Scan# 1290
Delta R.T. -0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

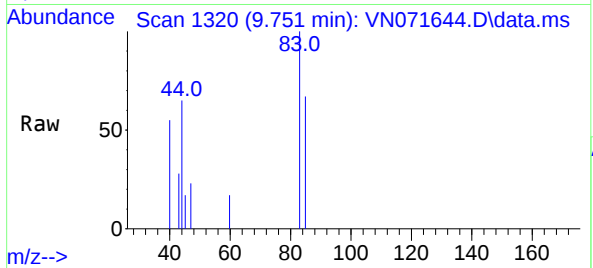
Tgt Ion: 93 Resp: 770
Ion Ratio Lower Upper
93 100
95 130.0 66.9 100.3#
174 149.4 86.6 130.0#





#47
Bromodichloromethane
Concen: 0.158 ug/l
RT: 9.751 min Scan# 1321
Delta R.T. -0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

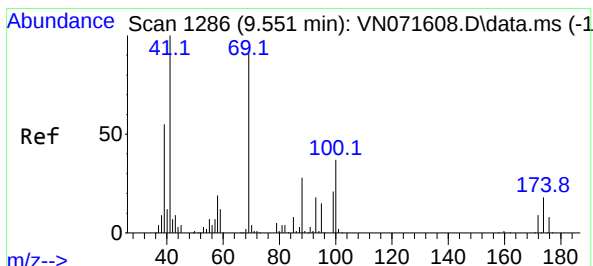
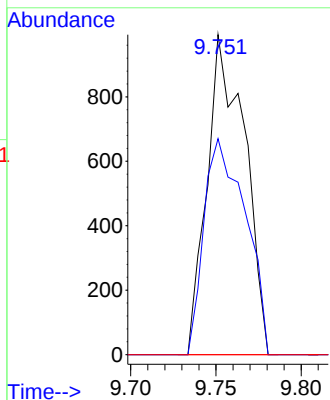
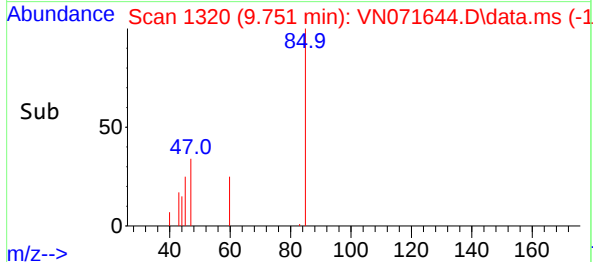
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



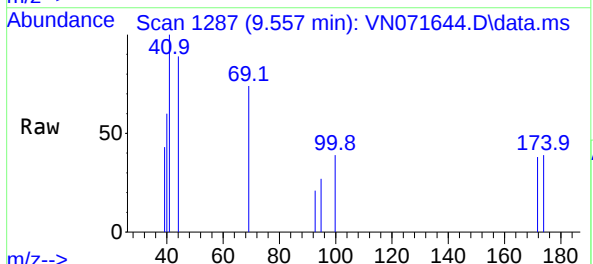
Tgt Ion: 83 Resp: 152
Ion Ratio Lower Upper
83 100
85 67.5 50.5 75.7
127 0.0 6.8 10.2

Manual Integrations
APPROVED

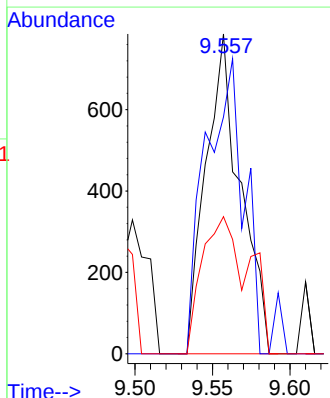
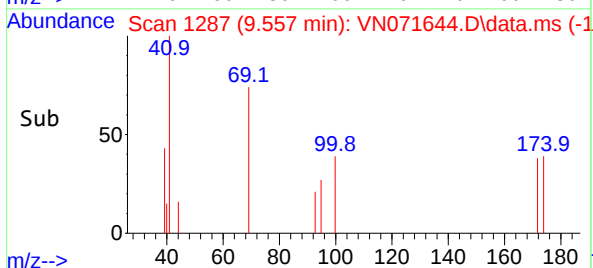
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

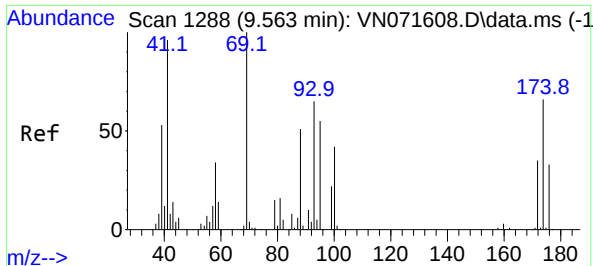


#48
Methyl methacrylate
Concen: 0.163 ug/l
RT: 9.557 min Scan# 1287
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



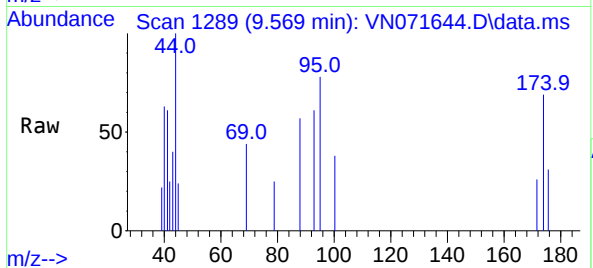
Tgt Ion: 41 Resp: 1217
Ion Ratio Lower Upper
41 100
69 101.2 74.7 112.1
39 57.8 45.6 68.4





#49
1,4-Dioxane
Concen: 2.547 ug/l
RT: 9.569 min Scan# 1288
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

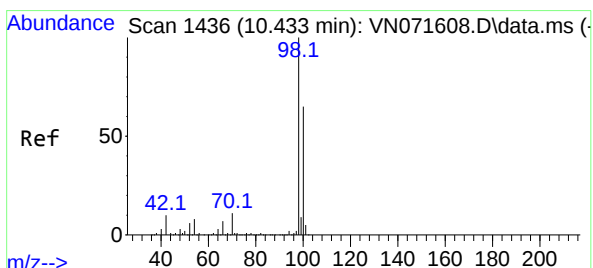
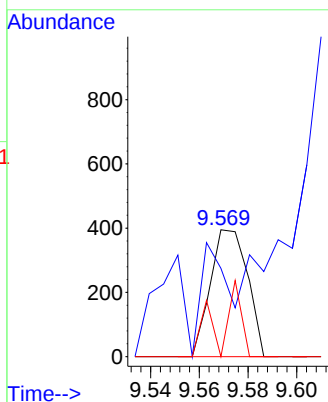
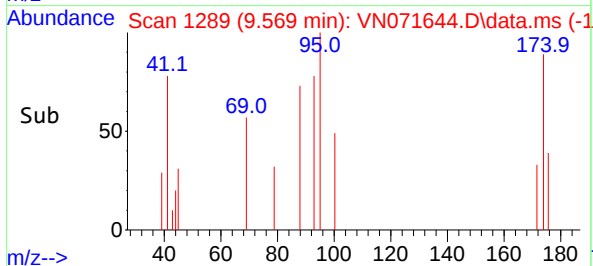
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 88 Resp: 418
Ion Ratio Lower Upper
88 100
43 66.0 20.2 30.4
58 14.8 54.2 81.4

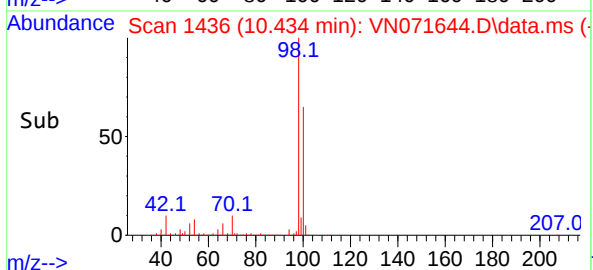
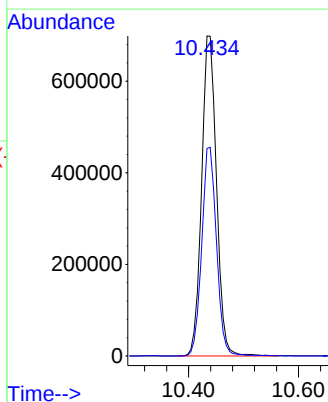
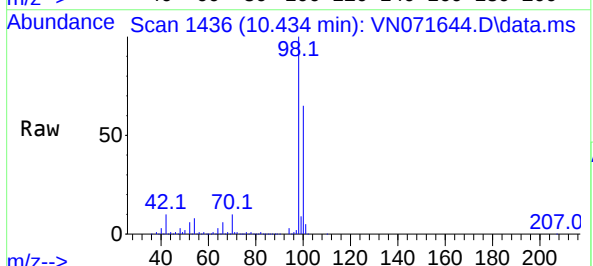
Manual Integrations
APPROVED

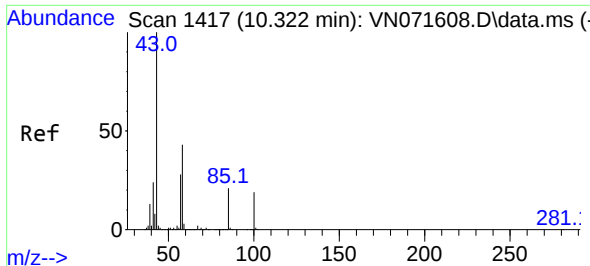
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#50
Toluene-d8
Concen: 48.340 ug/l
RT: 10.434 min Scan# 1436
Delta R.T. 0.001 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

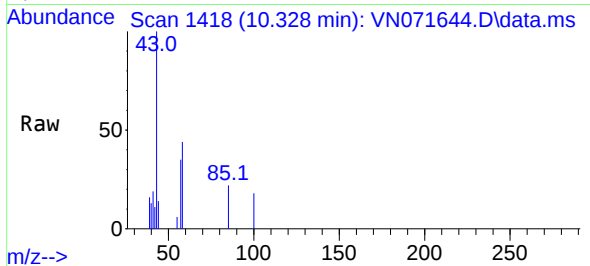
Tgt Ion: 98 Resp: 1313026
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8





#51
4-Methyl-2-Pentanone
Concen: 0.915 ug/l
RT: 10.328 min Scan# 1417
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

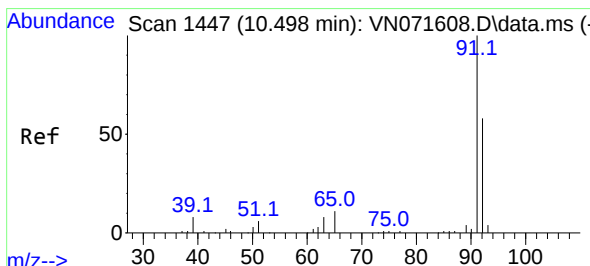
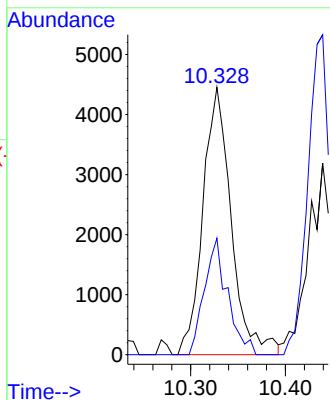
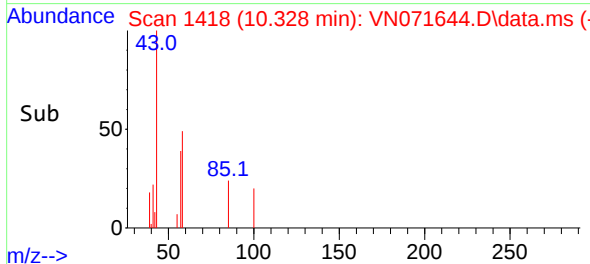
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



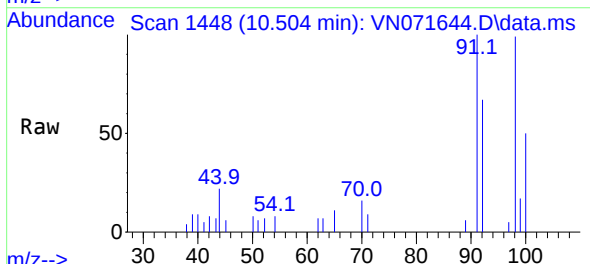
Tgt Ion: 43 Resp: 928
Ion Ratio Lower Upper
43 100
58 35.5 34.1 51.1

Manual Integrations
APPROVED

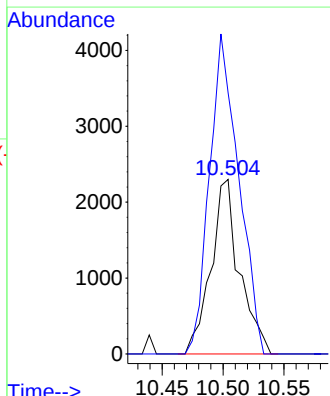
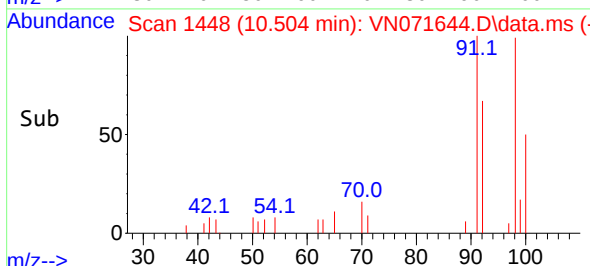
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

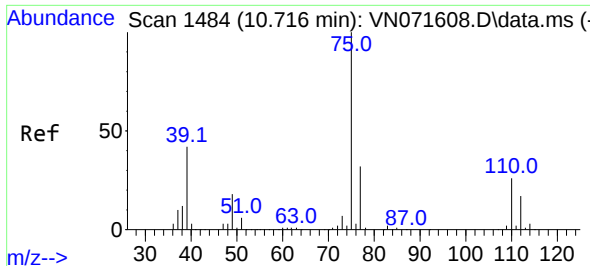


#52
Toluene
Concen: 0.201 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



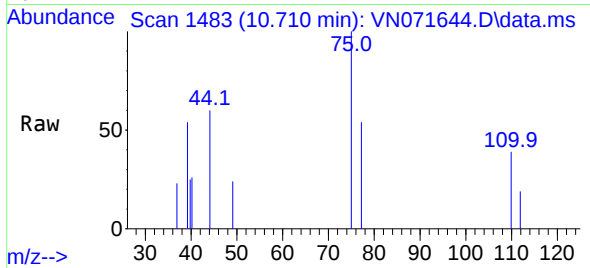
Tgt Ion: 92 Resp: 3751
Ion Ratio Lower Upper
92 100
91 187.7 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 0.175 ug/l
RT: 10.710 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

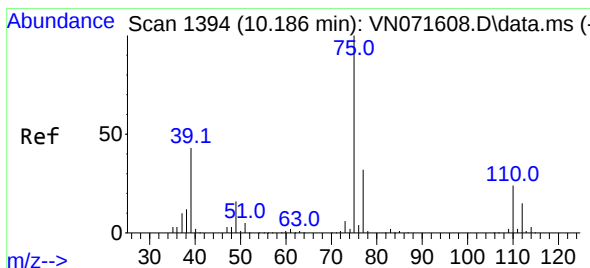
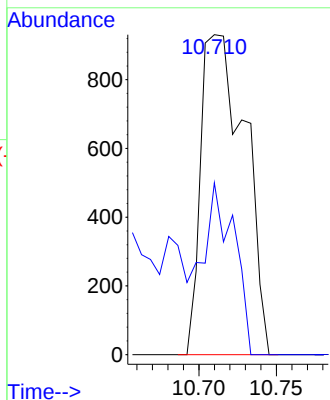
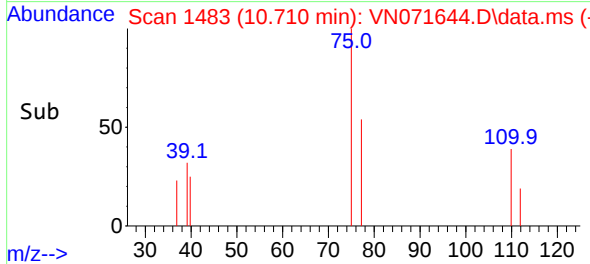
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



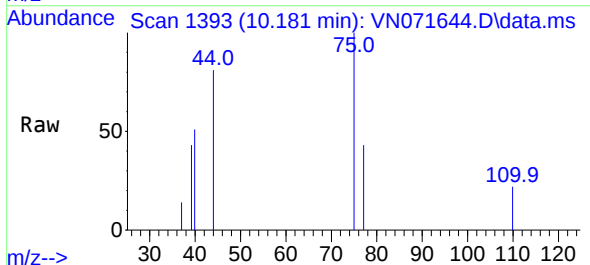
Tgt Ion: 75 Resp: 1839
Ion Ratio Lower Upper
75 100
77 53.7 25.6 38.4

Manual Integrations
APPROVED

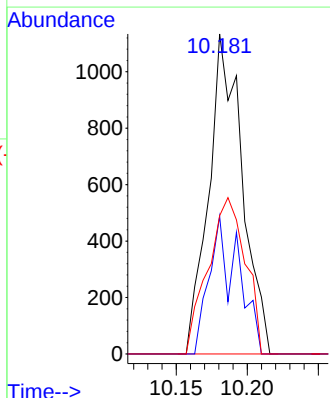
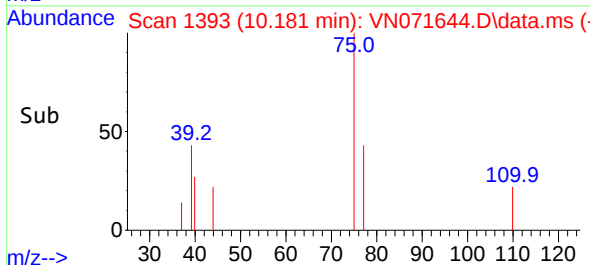
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

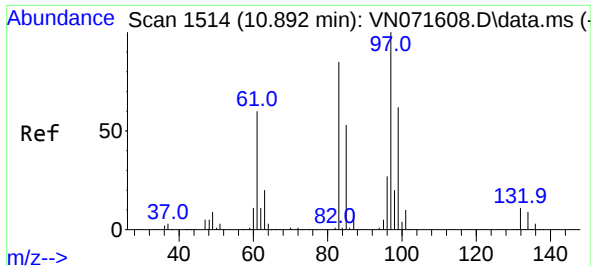


#54
cis-1,3-Dichloropropene
Concen: 0.163 ug/l
RT: 10.181 min Scan# 1393
Delta R.T. -0.005 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



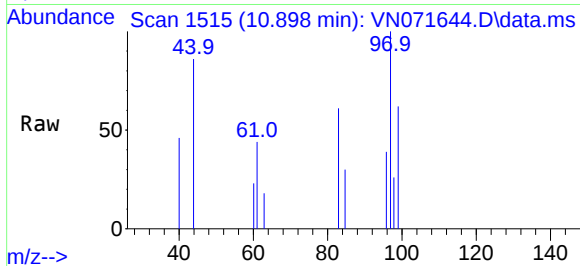
Tgt Ion: 75 Resp: 1860
Ion Ratio Lower Upper
75 100
77 43.0 25.2 37.8#
39 43.2 35.7 53.5





#55
1,1,2-Trichloroethane
Concen: 0.187 ug/l
RT: 10.898 min Scan# 1411
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

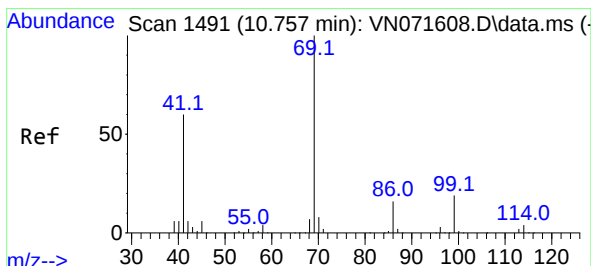
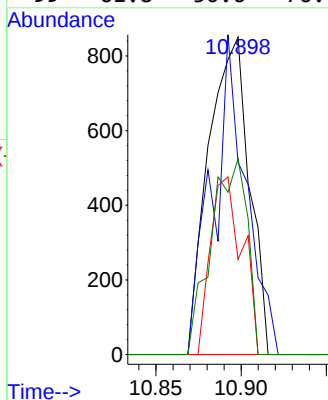
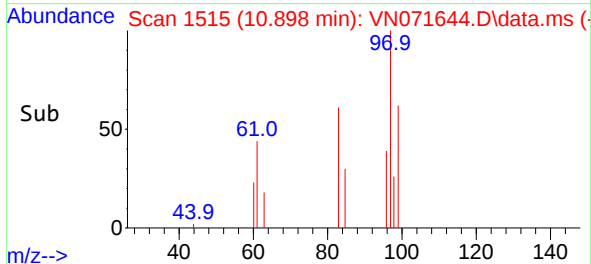
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



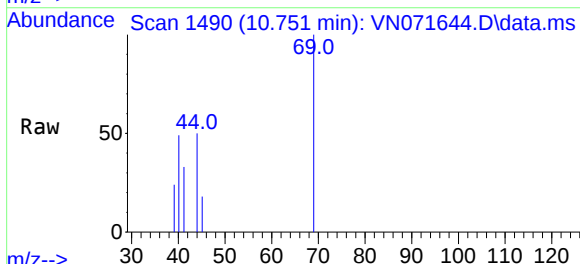
Tgt Ion: 97 Resp: 1411
Ion Ratio Lower Upper
97 100
83 60.6 66.2 99.4
85 30.0 43.9 65.9
99 61.8 50.6 76.0

Manual Integrations
APPROVED

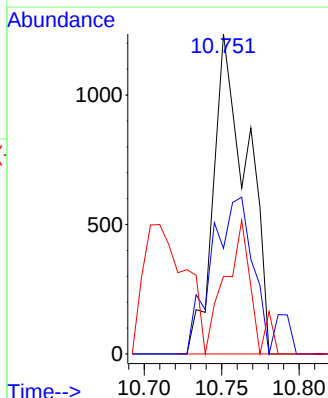
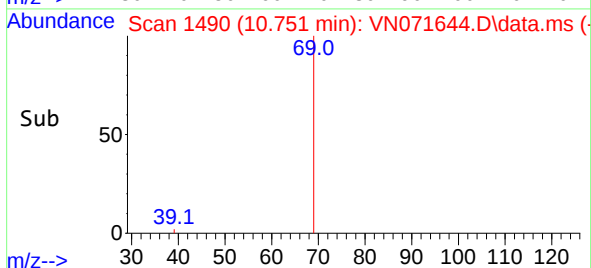
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

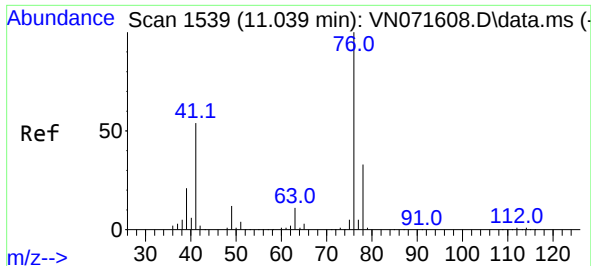


#56
Ethyl methacrylate
Concen: 0.166 ug/l
RT: 10.751 min Scan# 1490
Delta R.T. -0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



Tgt Ion: 69 Resp: 1868
Ion Ratio Lower Upper
69 100
41 59.3 47.8 71.6
39 32.8 27.3 40.9





#57

1,3-Dichloropropane

Concen: 0.184 ug/l

RT: 11.045 min Scan# 1539

Delta R.T. 0.006 min

Lab File: VN071644.D

Acq: 29 Mar 2022 20:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022

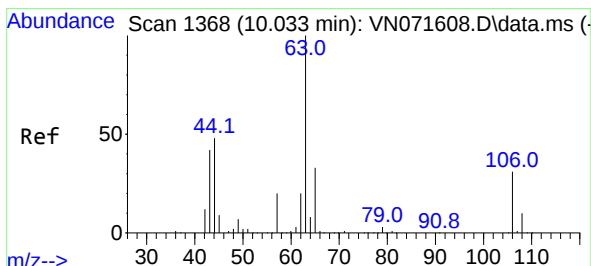
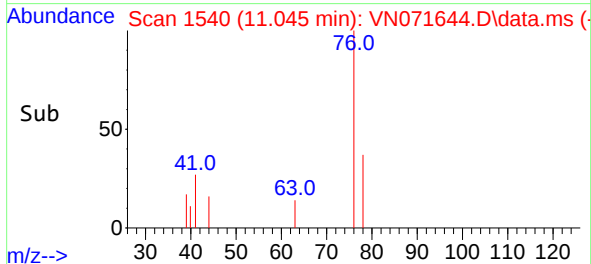
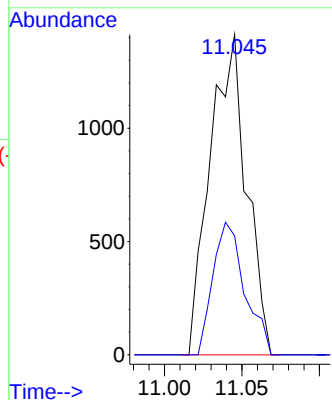
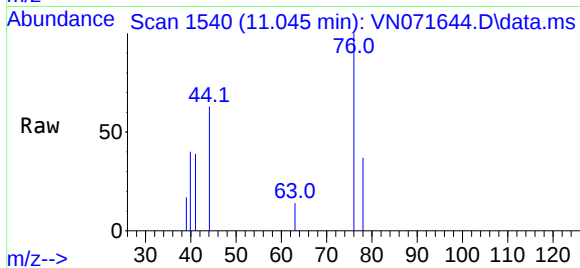
Tgt Ion: 76 Resp: 2310
 Ion Ratio Lower Upper
 76 100
 78 36.1 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/30/2022

Supervised By :Mahesh Dadoda 03/30/2022



#58

2-Chloroethyl Vinyl ether

Concen: 0.971 ug/l

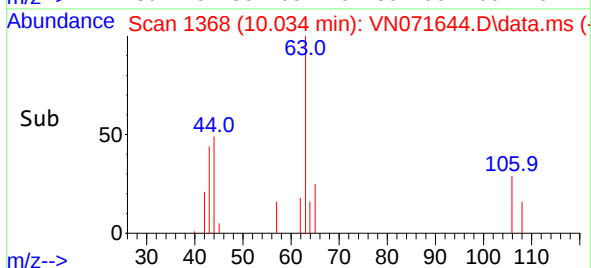
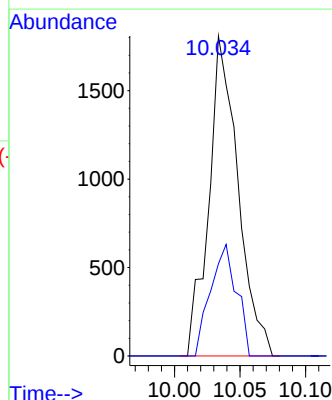
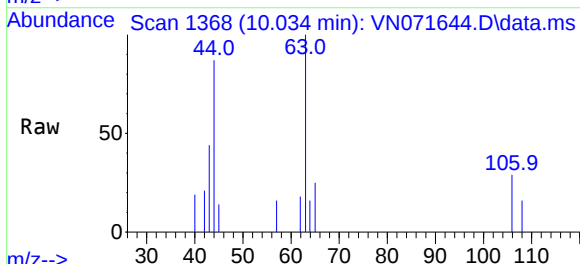
RT: 10.034 min Scan# 1368

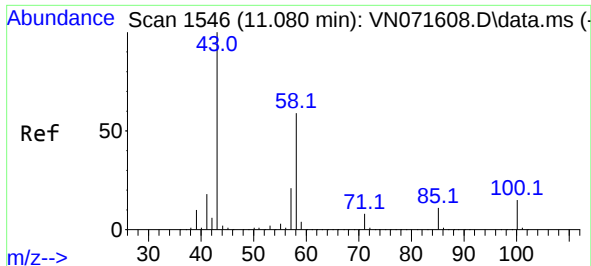
Delta R.T. 0.001 min

Lab File: VN071644.D

Acq: 29 Mar 2022 20:06

Tgt Ion: 63 Resp: 2806
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.6 36.8





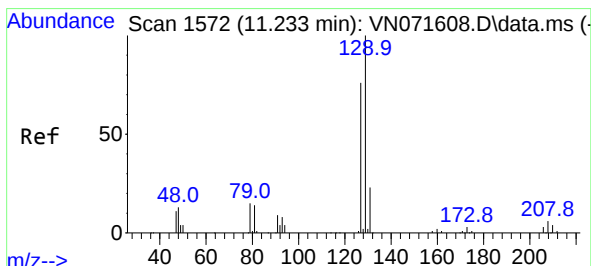
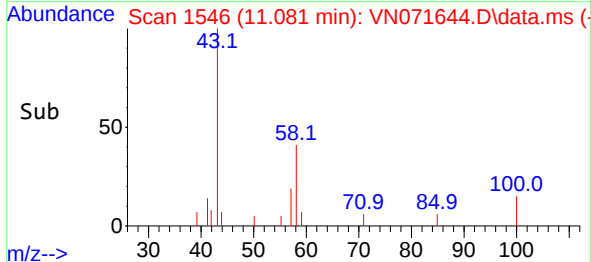
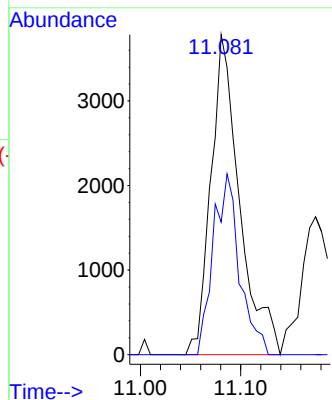
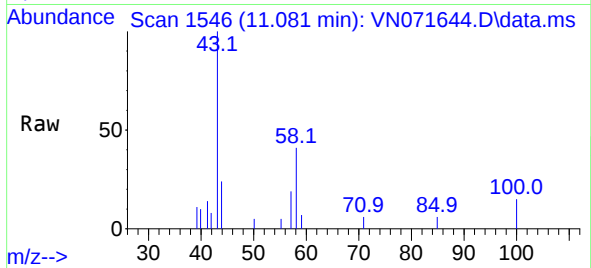
#59
2-Hexanone
Concen: 1.037 ug/l
RT: 11.081 min Scan# 1546
Delta R.T. 0.001 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion: 43 Resp: 7528
Ion Ratio Lower Upper
43 100
58 51.5 29.7 89.1

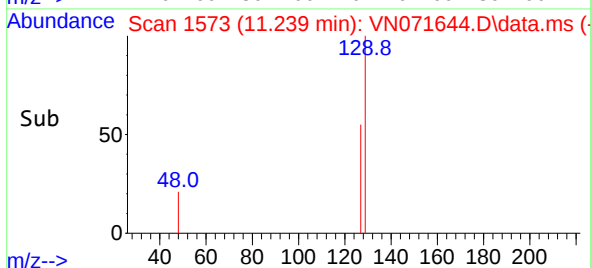
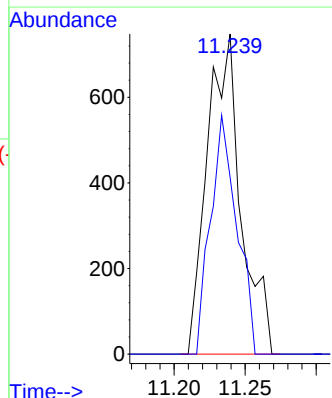
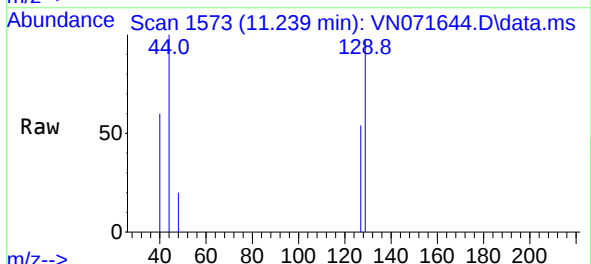
Manual Integrations
APPROVED

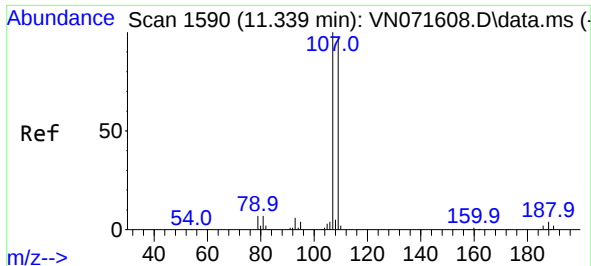
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#60
Dibromochloromethane
Concen: 0.164 ug/l
RT: 11.239 min Scan# 1573
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

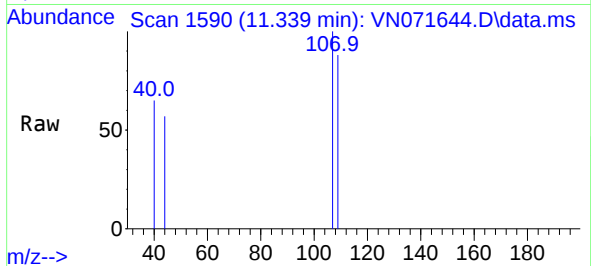
Tgt Ion:129 Resp: 1238
Ion Ratio Lower Upper
129 100
127 58.2 38.8 116.4





#61
1,2-Dibromoethane
Concen: 0.181 ug/l
RT: 11.339 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

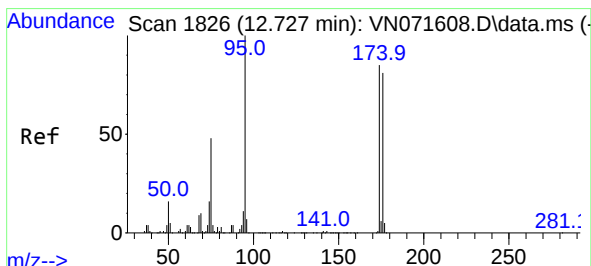
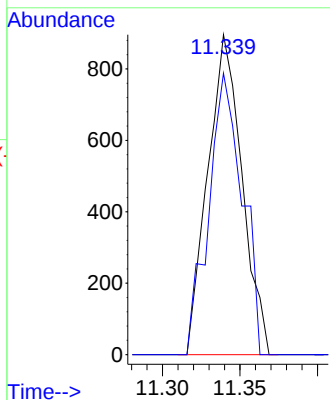
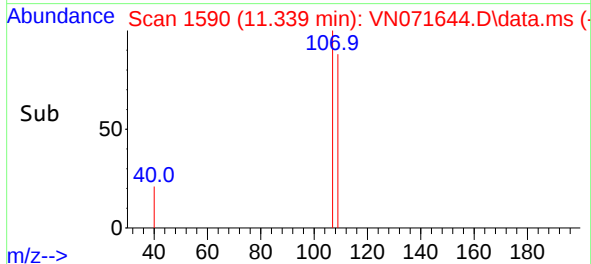
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



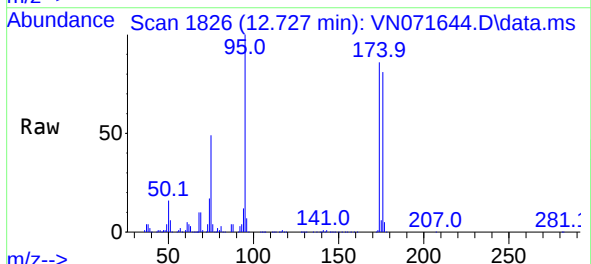
Tgt Ion:107 Resp: 1370
Ion Ratio Lower Upper
107 100
109 86.1 75.0 112.6

Manual Integrations
APPROVED

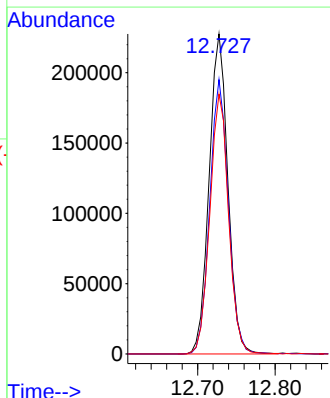
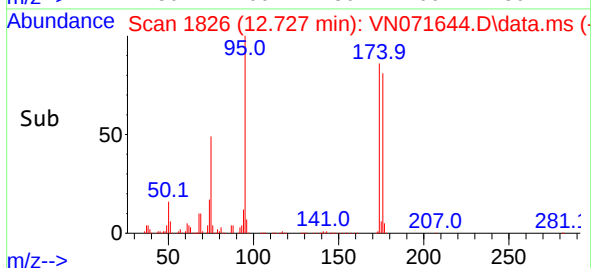
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

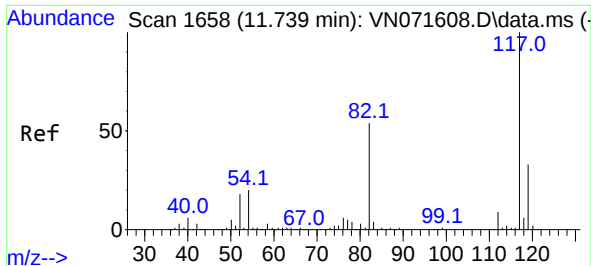


#62
4-Bromofluorobenzene
Concen: 43.218 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



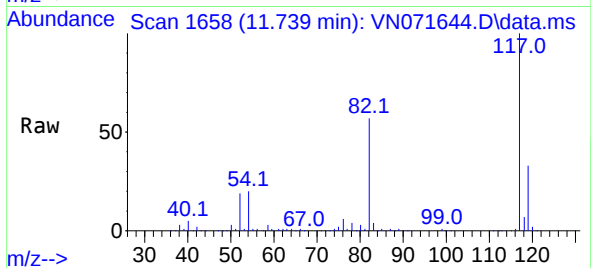
Tgt Ion: 95 Resp: 382957
Ion Ratio Lower Upper
95 100
174 85.0 0.0 167.6
176 81.1 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

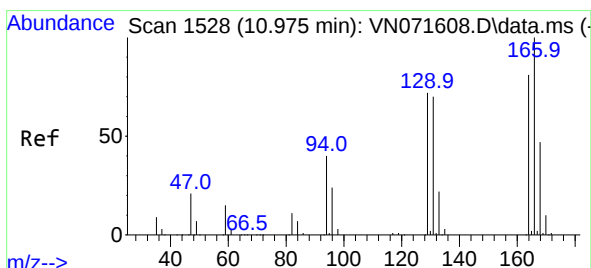
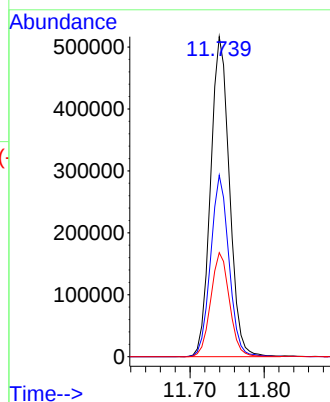
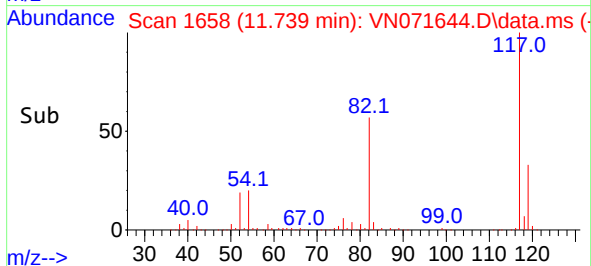
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



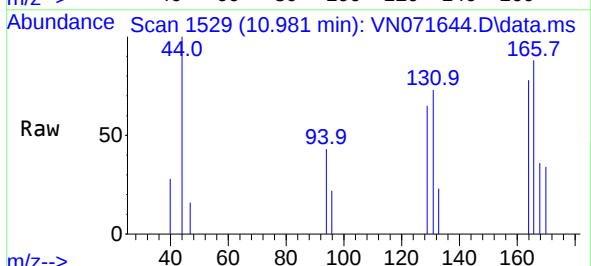
Tgt Ion:117 Resp: 912984
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.2
119 32.5 25.4 38.0

Manual Integrations
APPROVED

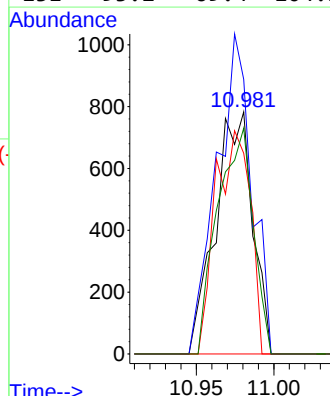
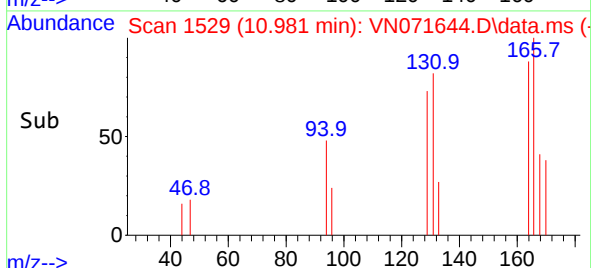
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

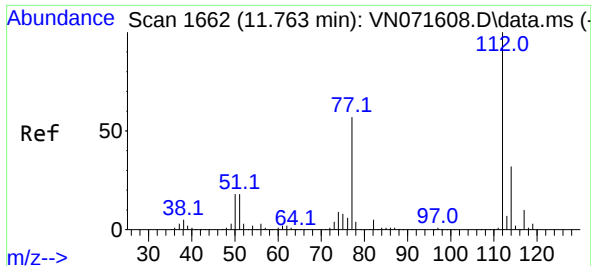


#64
Tetrachloroethene
Concen: 0.207 ug/l
RT: 10.981 min Scan# 1529
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



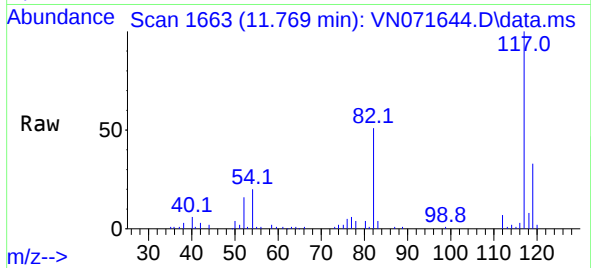
Tgt Ion:164 Resp: 1311
Ion Ratio Lower Upper
164 100
166 113.4 104.2 156.2
129 82.9 73.9 110.9
131 93.2 69.4 104.2





#65
Chlorobenzene
Concen: 0.224 ug/l
RT: 11.769 min Scan# 1662
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

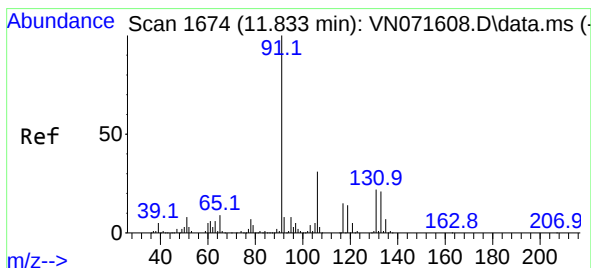
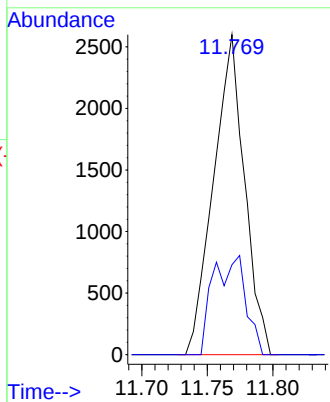
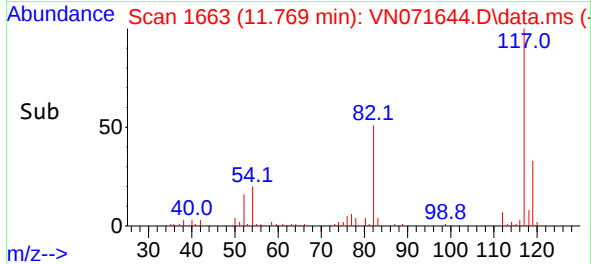
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



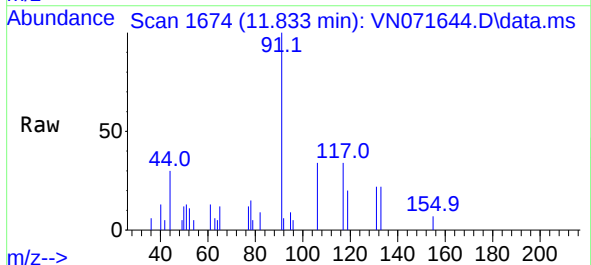
Tgt Ion:112 Resp: 4270
Ion Ratio Lower Upper
112 100
114 28.1 25.4 38.2

Manual Integrations
APPROVED

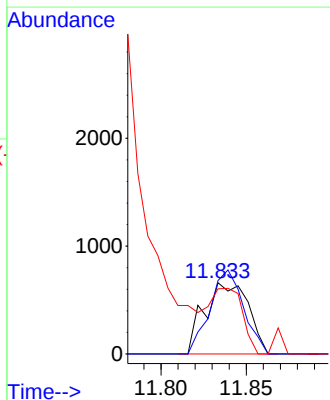
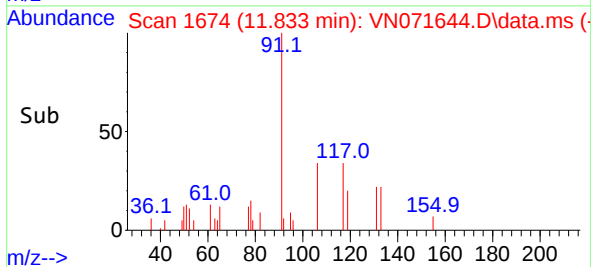
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

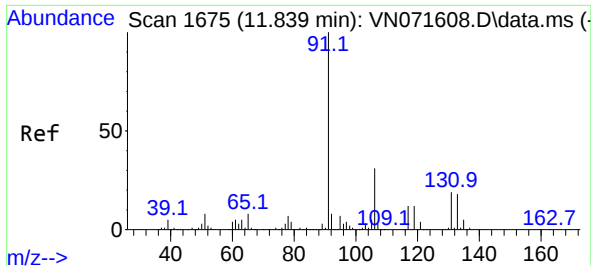


#66
1,1,1,2-Tetrachloroethane
Concen: 0.172 ug/l
RT: 11.833 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



Tgt Ion:131 Resp: 1174
Ion Ratio Lower Upper
131 100
133 91.3 47.8 143.4
119 0.0 33.4 100.2#





#67

Ethyl Benzene

Concen: 0.203 ug/l

RT: 11.845 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VN071644.D

Acq: 29 Mar 2022 20:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022

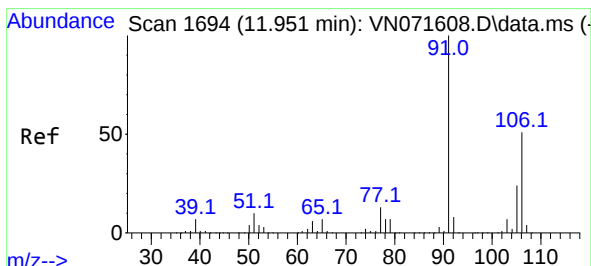
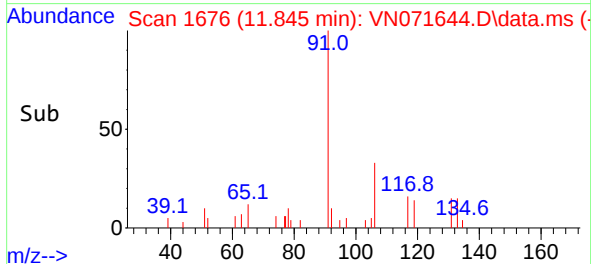
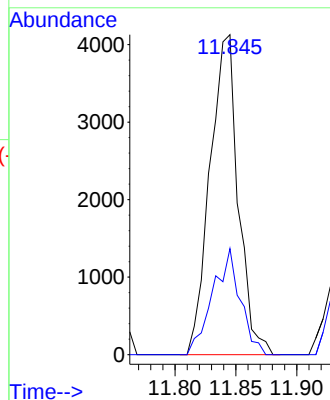
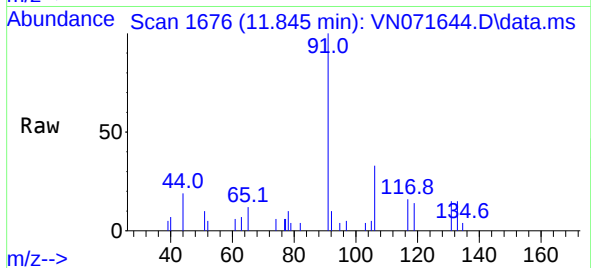
Tgt Ion: 91 Resp: 6670
 Ion Ratio Lower Upper
 91 100
 106 33.2 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/30/2022

Supervised By :Mahesh Dadoda 03/30/2022



#68

m/p-Xylenes

Concen: 0.393 ug/l

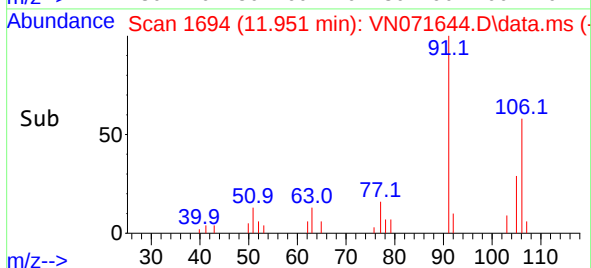
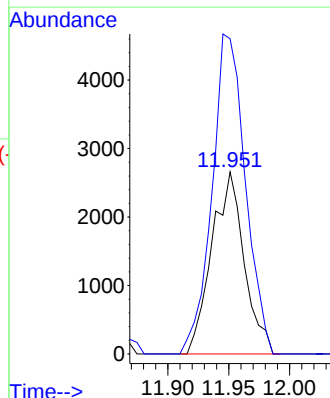
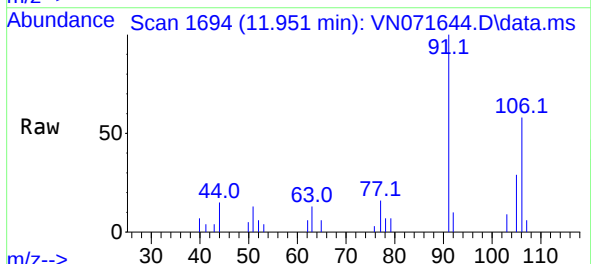
RT: 11.951 min Scan# 1694

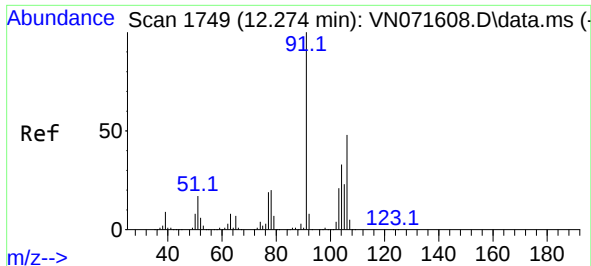
Delta R.T. 0.000 min

Lab File: VN071644.D

Acq: 29 Mar 2022 20:06

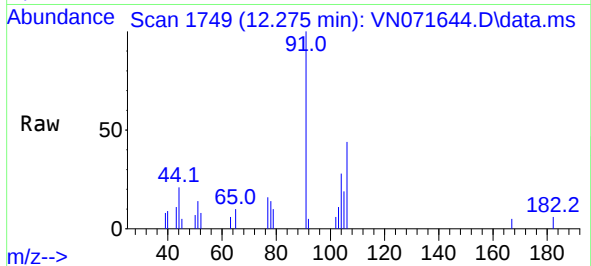
Tgt Ion:106 Resp: 4914
 Ion Ratio Lower Upper
 106 100
 91 181.2 158.9 238.3





#69
o-Xylene
Concen: 0.169 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. 0.001 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

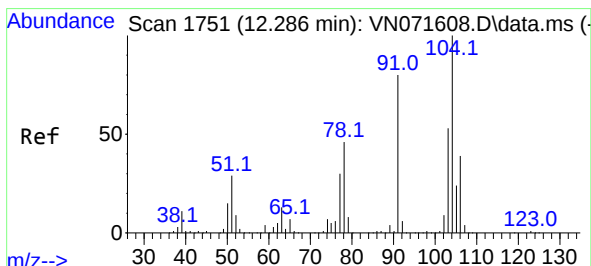
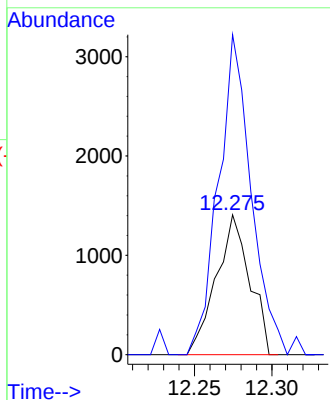
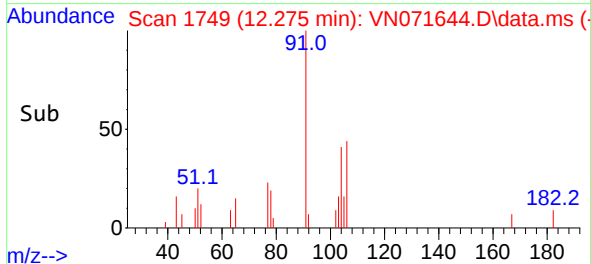
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion:106 Resp: 2118
Ion Ratio Lower Upper
106 100
91 226.3 106.0 318.0

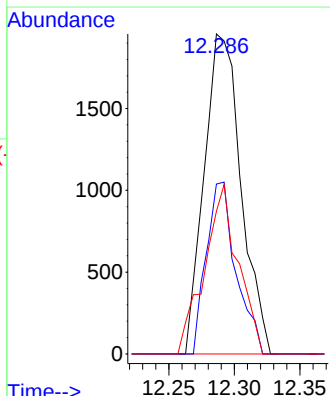
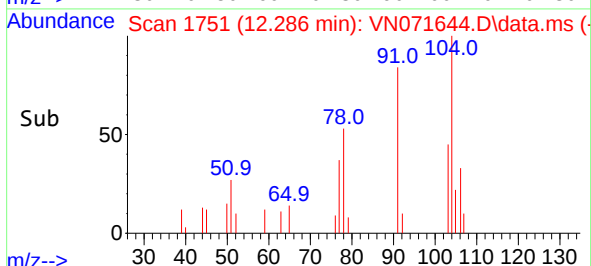
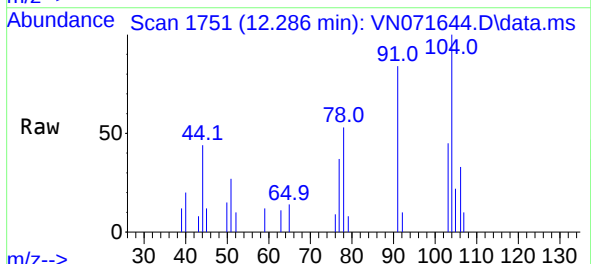
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#70
Styrene
Concen: 0.199 ug/l
RT: 12.286 min Scan# 1751
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

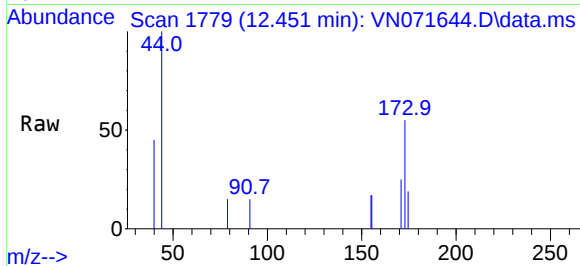
Tgt Ion:104 Resp: 3821
Ion Ratio Lower Upper
104 100
78 43.2 39.5 59.3
103 48.1 44.0 66.0





#71
Bromoform
Concen: 0.133 ug/l
RT: 12.451 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

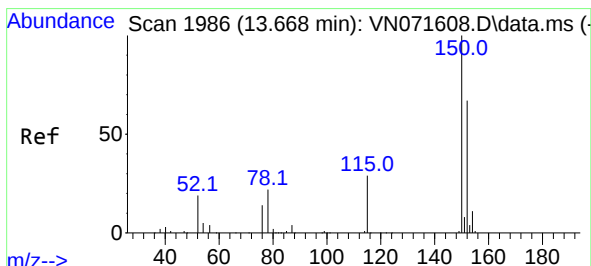
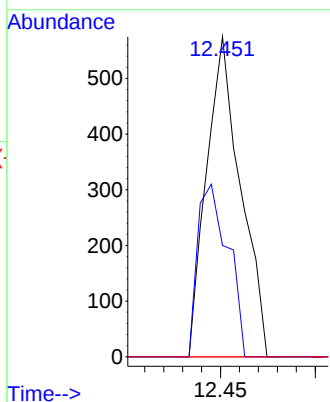
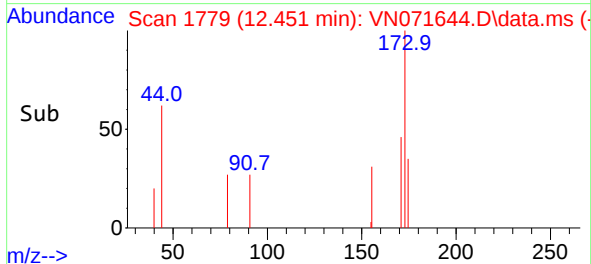
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



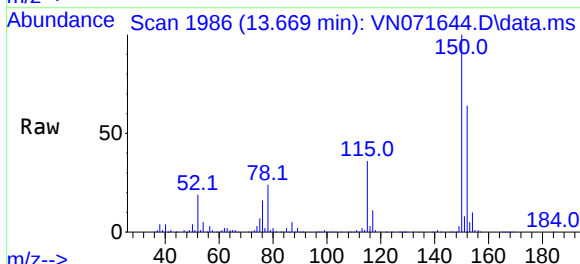
Tgt Ion:173 Resp: 71
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6
254 0.0 0.1 0.1

Manual Integrations
APPROVED

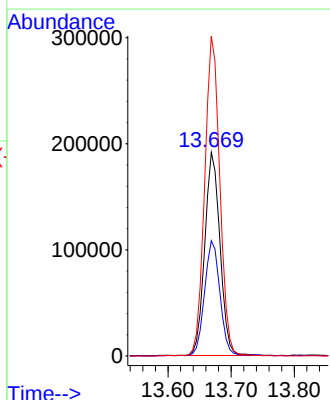
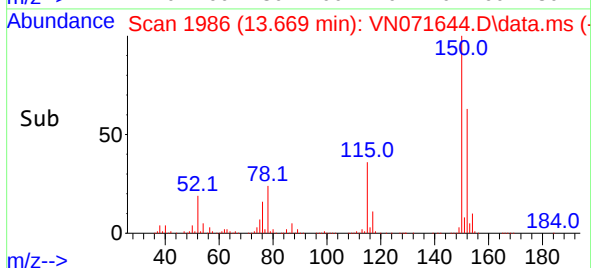
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

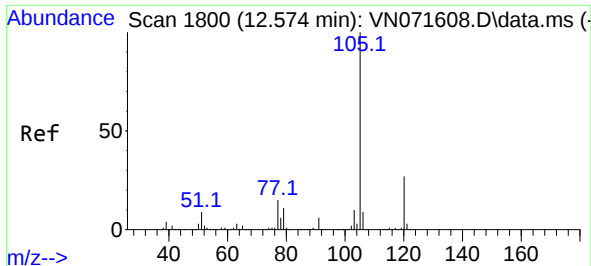


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



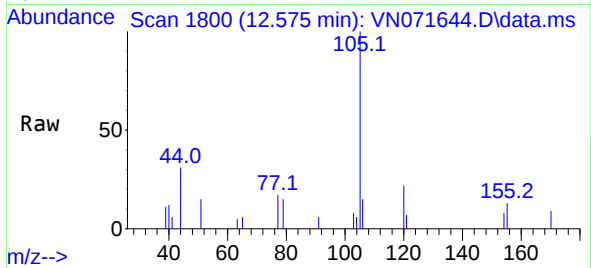
Tgt Ion:152 Resp: 320824
Ion Ratio Lower Upper
152 100
115 56.9 28.9 86.7
150 156.7 0.0 356.2





#73
Isopropylbenzene
Concen: 0.187 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.001 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

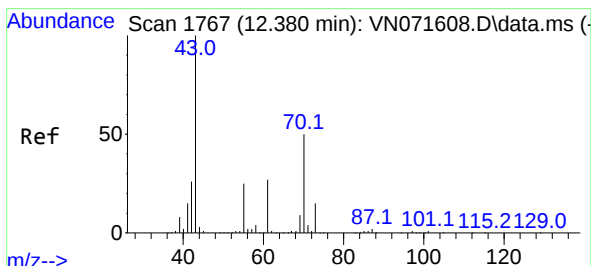
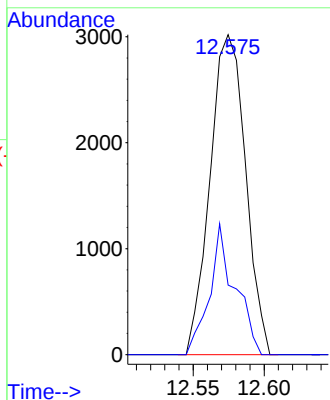
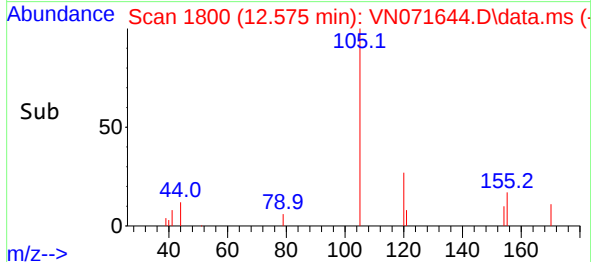
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



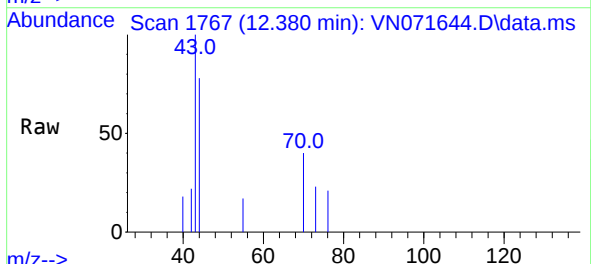
Tgt Ion:105 Resp: 5240
Ion Ratio Lower Upper
105 100
120 29.4 13.5 40.4

Manual Integrations
APPROVED

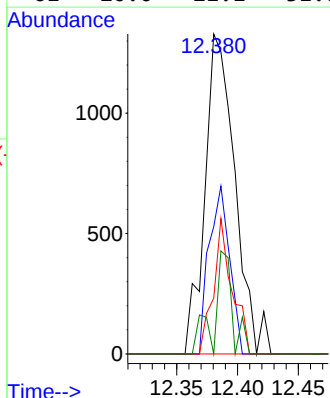
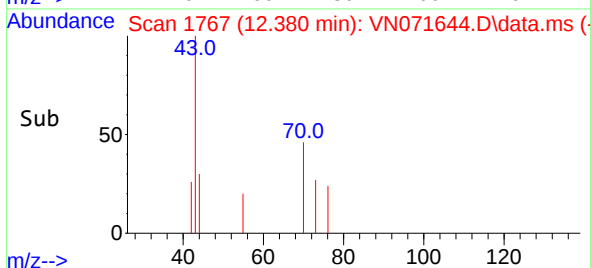
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

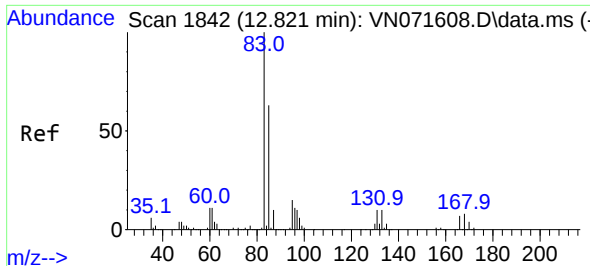


#74
N-ethyl acetate
Concen: 0.269 ug/l
RT: 12.380 min Scan# 1767
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



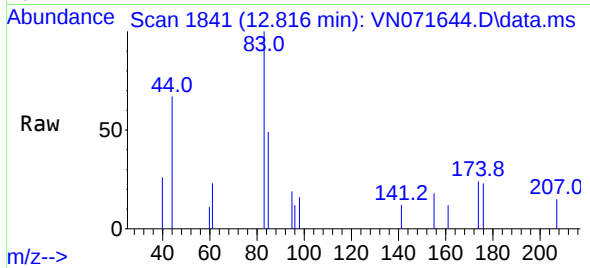
Tgt Ion: 43 Resp: 2288
Ion Ratio Lower Upper
43 100
70 35.7 39.0 58.4#
55 26.1 21.1 31.7
61 20.0 21.1 31.7#





#75
1,1,2,2-Tetrachloroethane
Concen: 0.229 ug/l
RT: 12.816 min Scan# 1841
Delta R.T. -0.005 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

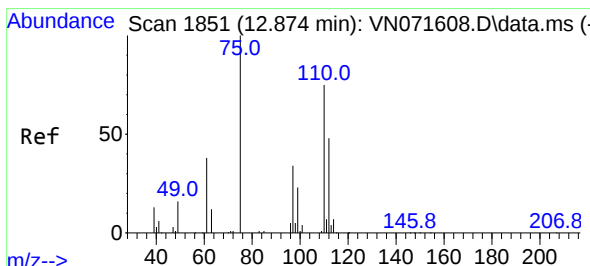
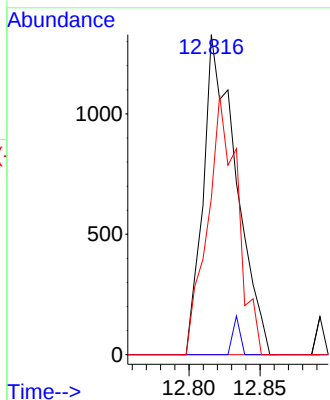
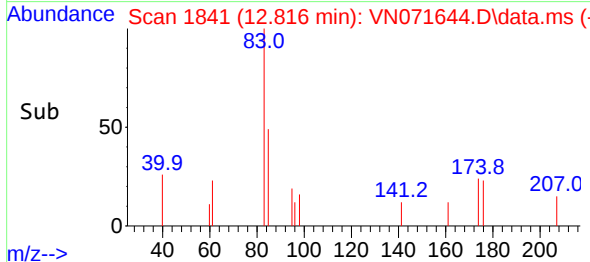
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



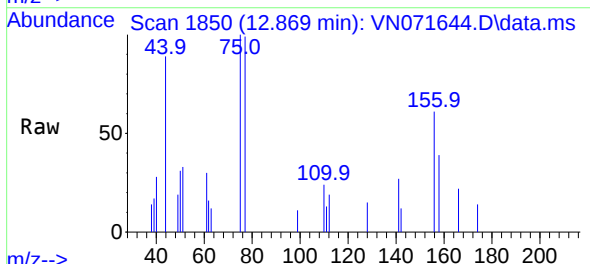
Tgt Ion: 83 Resp: 214
Ion Ratio Lower Upper
83 100
131 2.7 5.3 15.9
85 73.7 32.3 96.9

Manual Integrations
APPROVED

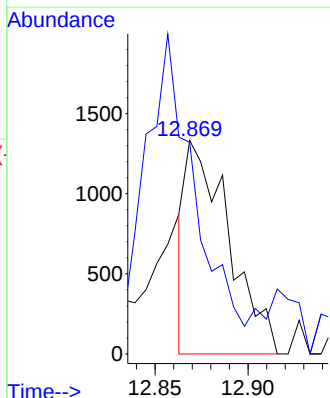
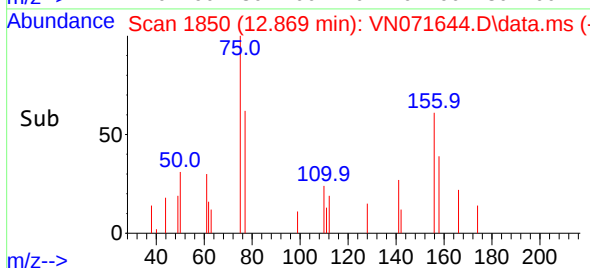
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

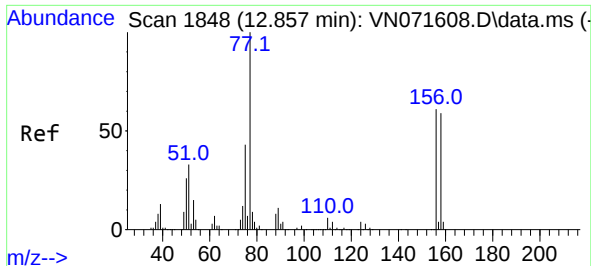


#76
1,2,3-Trichloropropane
Concen: 0.279 ug/l m
RT: 12.869 min Scan# 1850
Delta R.T. -0.005 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



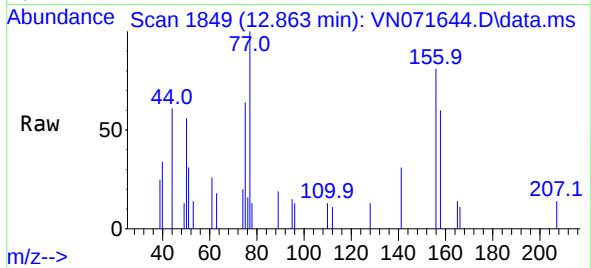
Tgt Ion: 75 Resp: 2148
Ion Ratio Lower Upper
75 100
77 109.9 98.5 295.5





#77
Bromobenzene
Concen: 0.288 ug/l
RT: 12.863 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

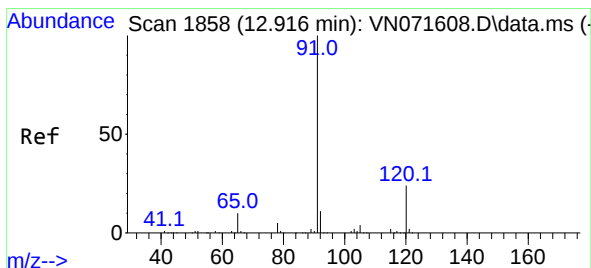
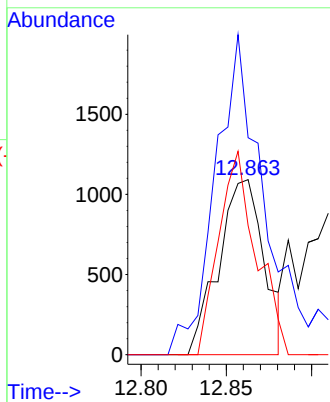
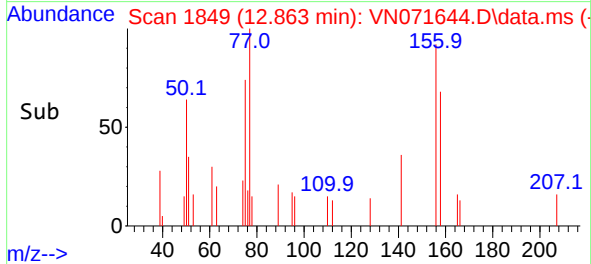
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



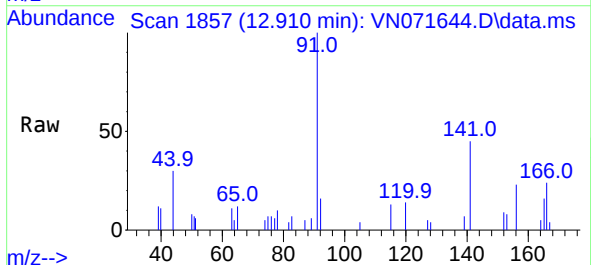
Tgt Ion:156 Resp: 2034
Ion Ratio Lower Upper
156 100
77 192.1 100.5 301.5
158 95.8 48.9 146.6

Manual Integrations
APPROVED

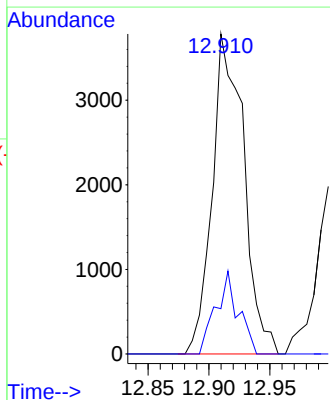
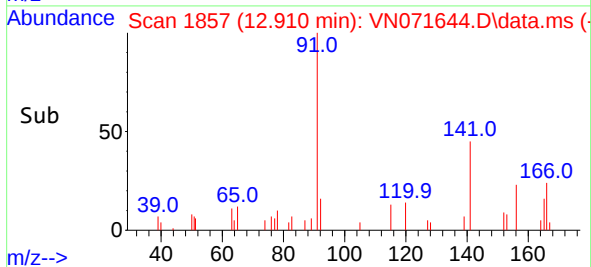
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

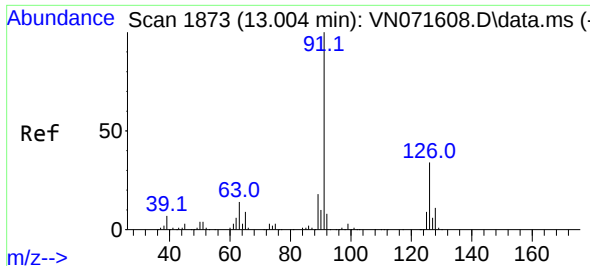


#78
n-propylbenzene
Concen: 0.225 ug/l
RT: 12.910 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



Tgt Ion: 91 Resp: 6812
Ion Ratio Lower Upper
91 100
120 18.4 11.9 35.5





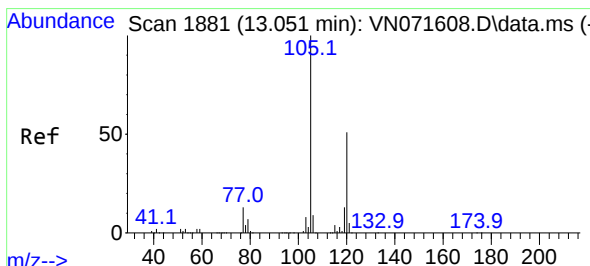
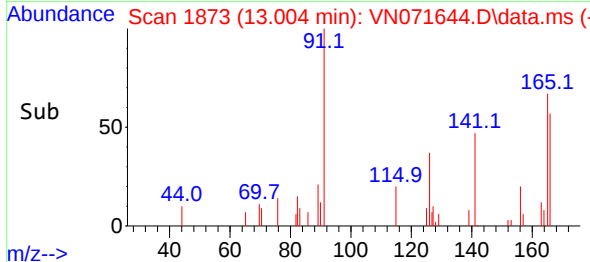
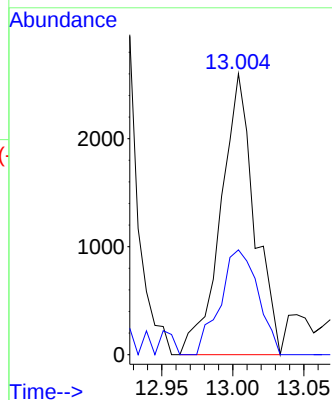
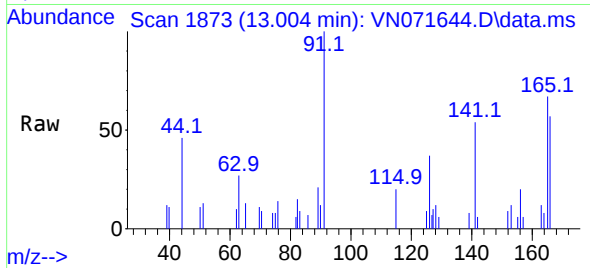
#79
2-Chlorotoluene
Concen: 0.226 ug/l
RT: 13.004 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion: 91 Resp: 428
Ion Ratio Lower Upper
91 100
126 42.1 17.3 51.9

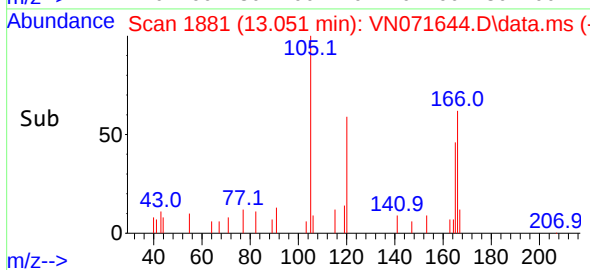
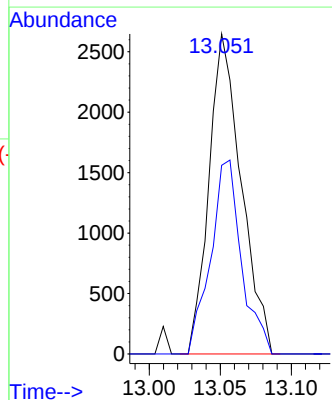
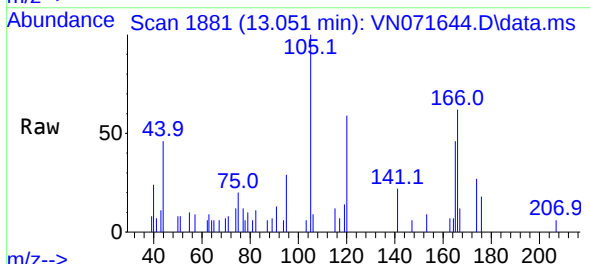
Manual Integrations
APPROVED

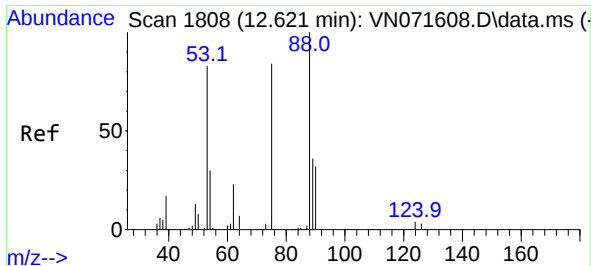
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#80
1,3,5-Trimethylbenzene
Concen: 0.189 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

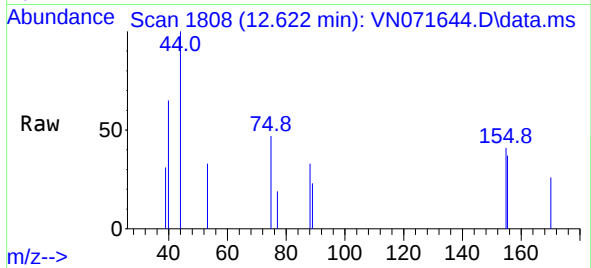
Tgt Ion:105 Resp: 4193
Ion Ratio Lower Upper
105 100
120 57.7 24.9 74.7





#81
trans-1,4-Dichloro-2-butene
Concen: 0.172 ug/l m
RT: 12.622 min Scan# 1808
Delta R.T. 0.001 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

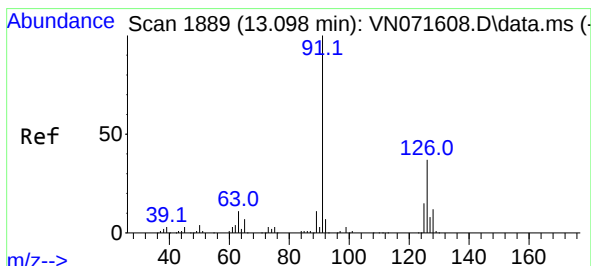
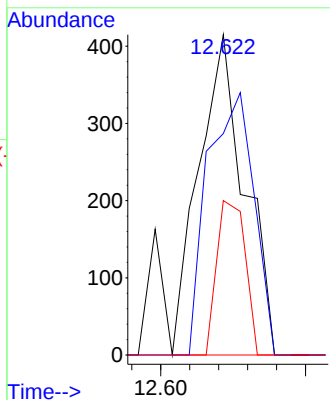
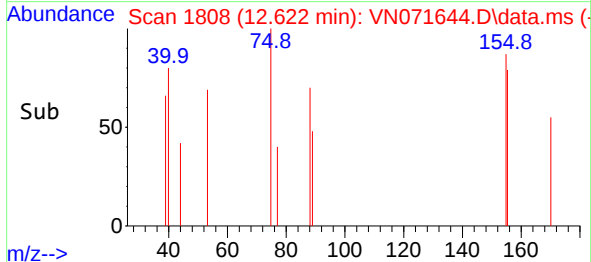
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



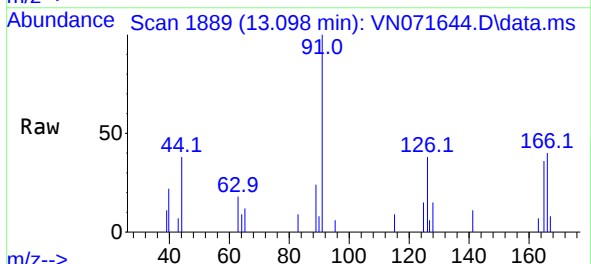
Tgt Ion: 75 Resp: 459
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0
89 0.0 37.2 55.8

Manual Integrations
APPROVED

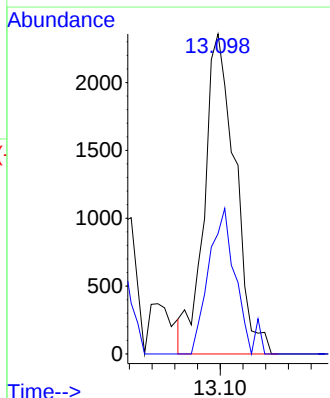
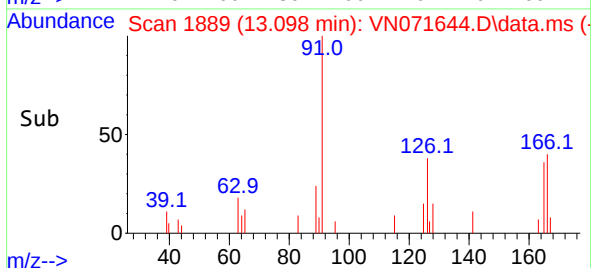
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

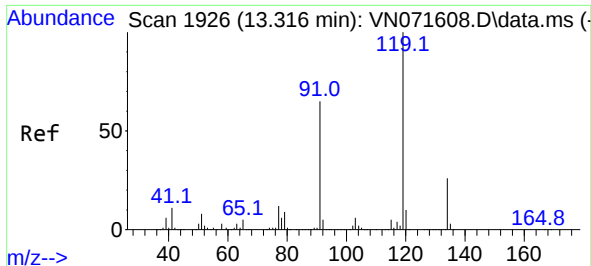


#82
4-Chlorotoluene
Concen: 0.251 ug/l
RT: 13.098 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



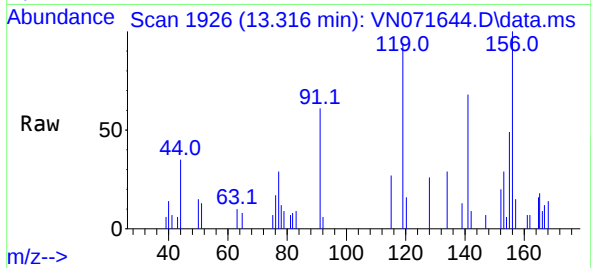
Tgt Ion: 91 Resp: 4428
Ion Ratio Lower Upper
91 100
126 38.3 17.2 51.6





#83
tert-Butylbenzene
Concen: 0.199 ug/l
RT: 13.316 min Scan# 1926
Delta R.T. -0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

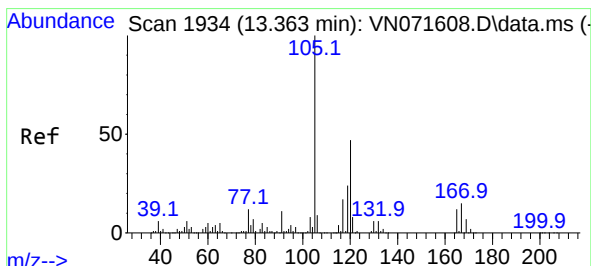
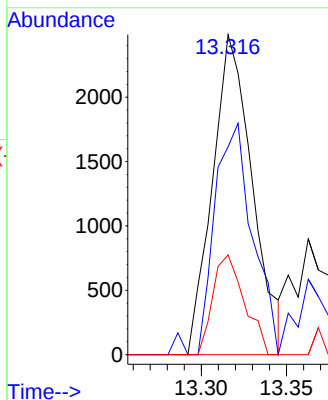
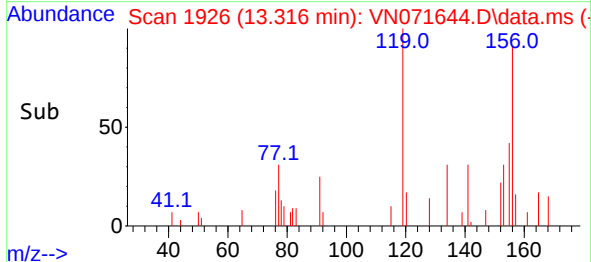
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



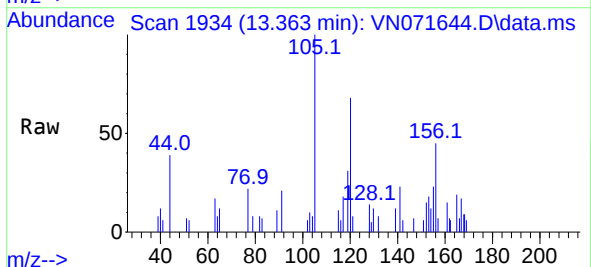
Tgt Ion:119 Resp: 4050
Ion Ratio Lower Upper
119 100
91 69.5 31.6 94.8
134 24.8 13.7 41.1

Manual Integrations
APPROVED

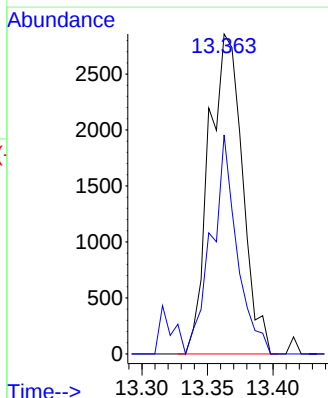
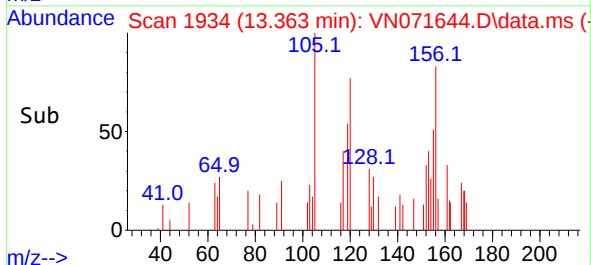
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

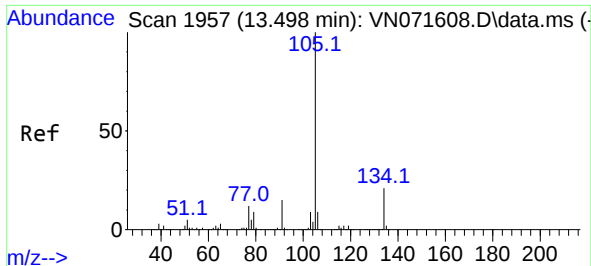


#84
1,2,4-Trimethylbenzene
Concen: 0.233 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



Tgt Ion:105 Resp: 5055
Ion Ratio Lower Upper
105 100
120 52.1 23.3 69.8





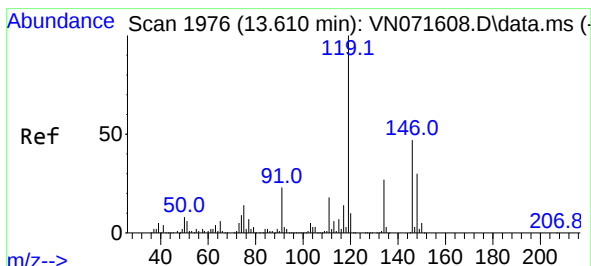
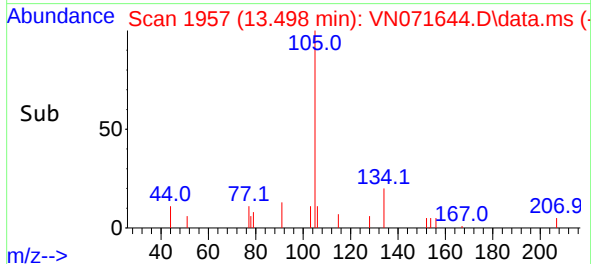
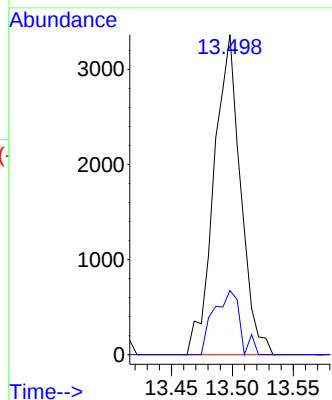
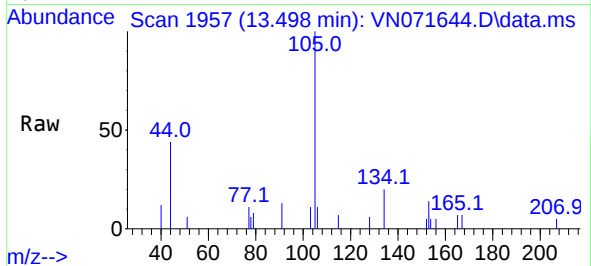
#85
 sec-Butylbenzene
 Concen: 0.191 ug/l
 RT: 13.498 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: VN071644.D
 Acq: 29 Mar 2022 20:06

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2022

Tgt Ion:105 Resp: 5120
 Ion Ratio Lower Upper
 105 100
 134 19.7 10.4 31.1

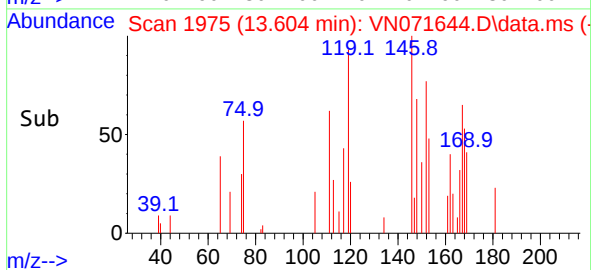
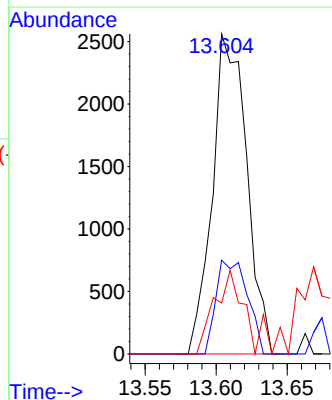
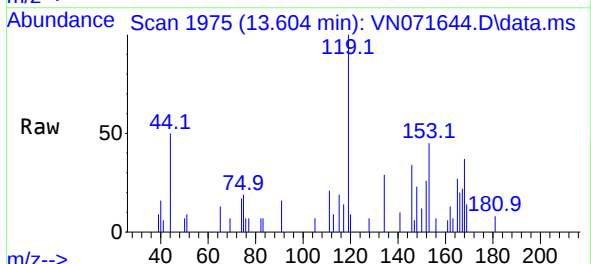
Manual Integrations
 APPROVED

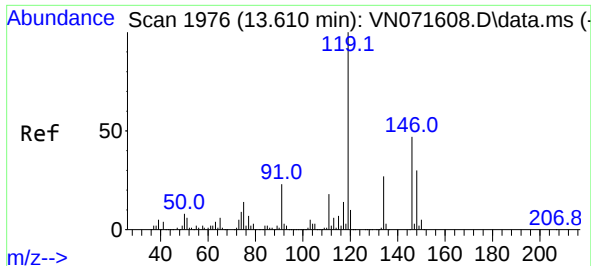
Reviewed By :John Carlone 03/30/2022
 Supervised By :Mahesh Dadoda 03/30/2022



#86
 p-Isopropyltoluene
 Concen: 0.201 ug/l
 RT: 13.604 min Scan# 1975
 Delta R.T. -0.006 min
 Lab File: VN071644.D
 Acq: 29 Mar 2022 20:06

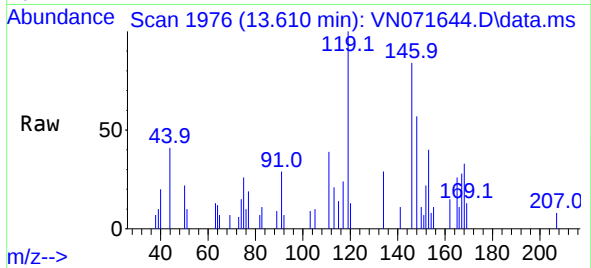
Tgt Ion:119 Resp: 4295
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.8
 91 21.0 11.3 33.9





#87
1,3-Dichlorobenzene
Concen: 0.276 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

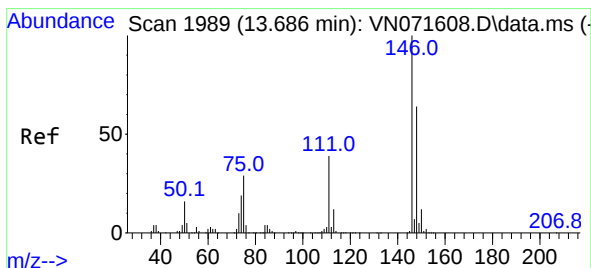
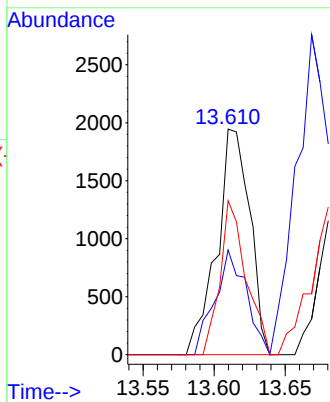
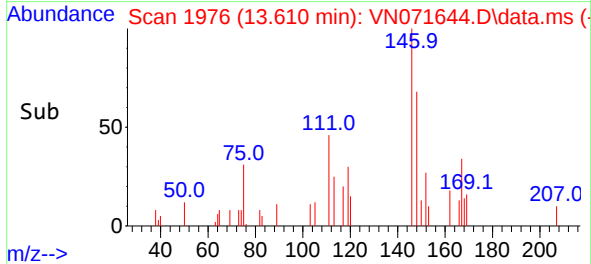
Instrument : MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



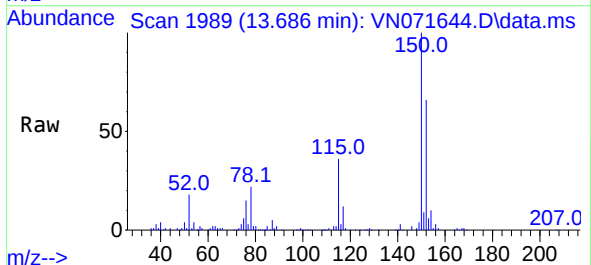
Tgt Ion:146 Resp: 3149
Ion Ratio Lower Upper
146 100
111 44.0 20.0 60.0
148 53.9 32.0 96.0

Manual Integrations
APPROVED

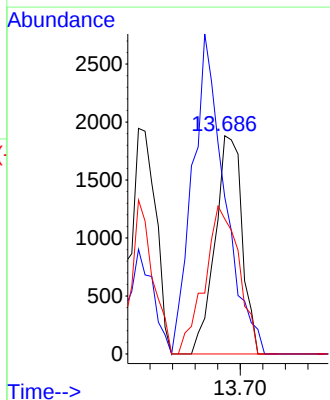
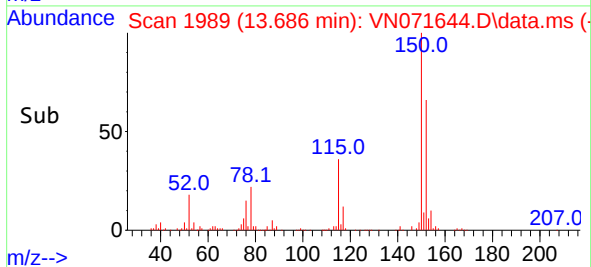
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

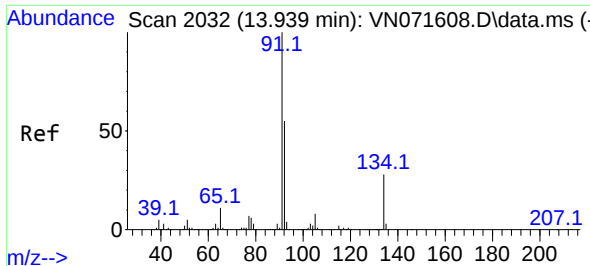


#88
1,4-Dichlorobenzene
Concen: 0.276 ug/l m
RT: 13.686 min Scan# 1989
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



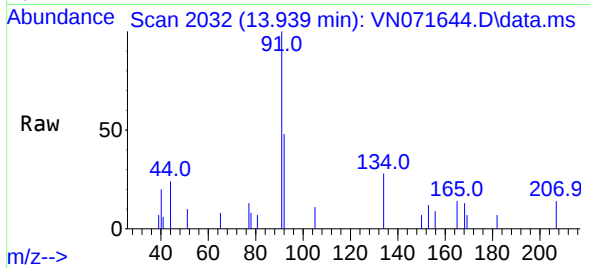
Tgt Ion:146 Resp: 3127
Ion Ratio Lower Upper
146 100
111 44.3 19.1 57.1
148 54.2 31.4 94.3





#89
n-Butylbenzene
Concen: 0.254 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

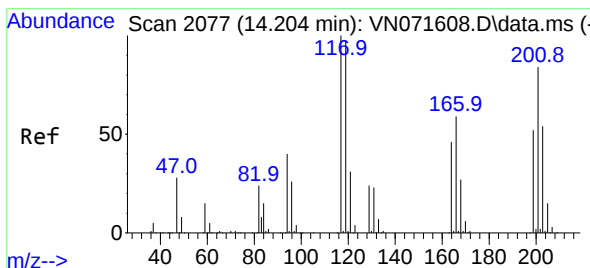
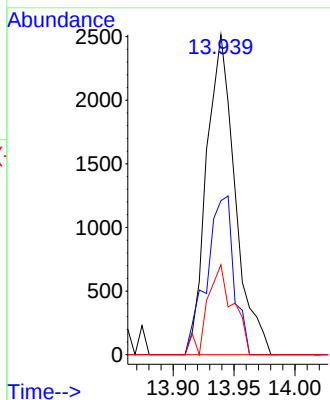
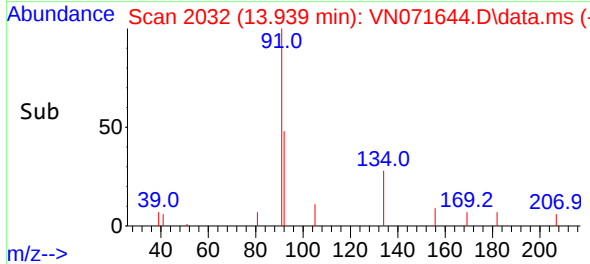
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 91 Resp: 409
Ion Ratio Lower Upper
91 100
92 47.5 26.9 80.7
134 25.3 13.6 40.8

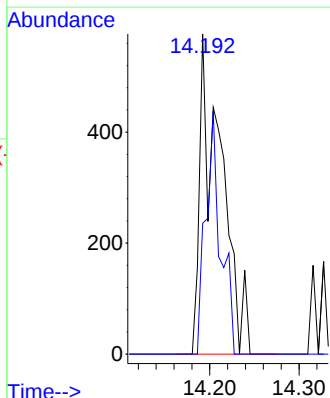
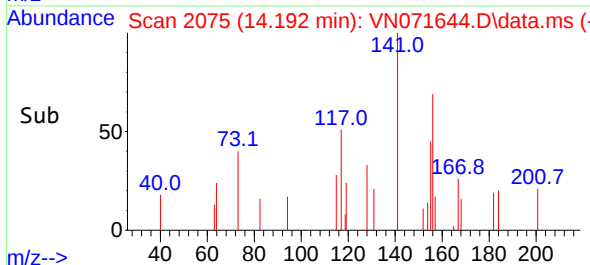
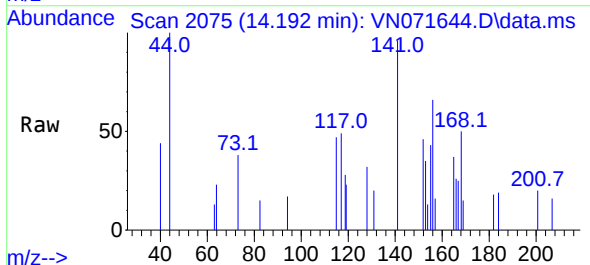
Manual Integrations
APPROVED

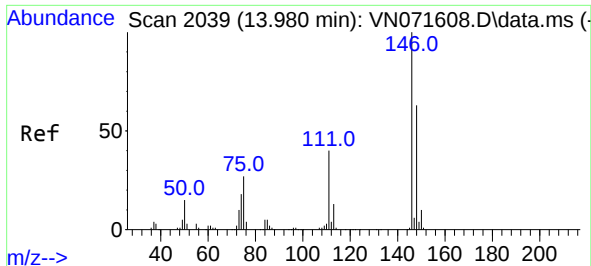
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#90
Hexachloroethane
Concen: 0.240 ug/l m
RT: 14.192 min Scan# 2075
Delta R.T. -0.012 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

Tgt Ion:117 Resp: 960
Ion Ratio Lower Upper
117 100
201 52.7 40.6 122.0





#91

1,2-Dichlorobenzene

Concen: 0.268 ug/l

RT: 13.980 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VN071644.D

Acq: 29 Mar 2022 20:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022

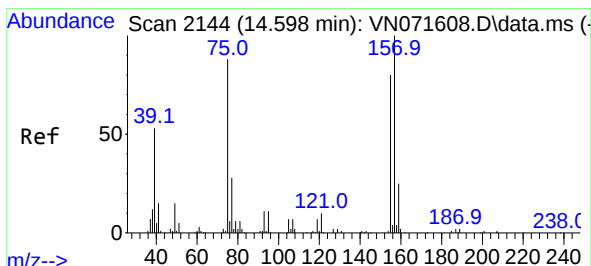
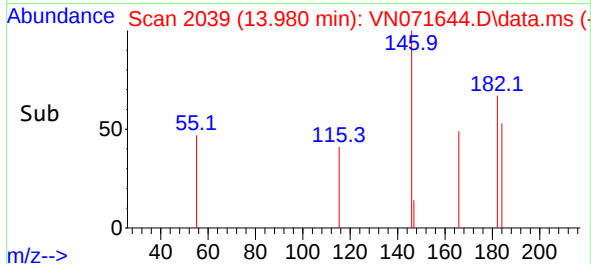
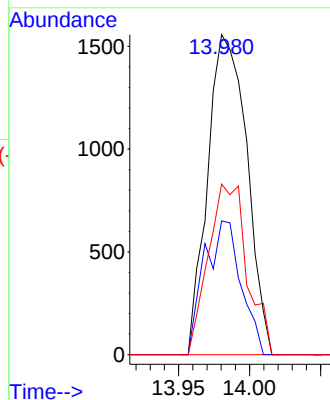
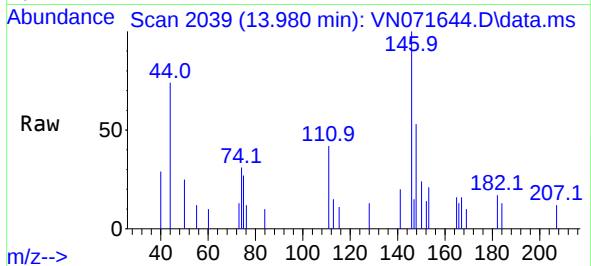
Tgt Ion:	146	Resp:	299
Ion Ratio	Lower	Upper	
146	100		
111	39.0	20.9	62.8
148	52.7	32.1	96.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/30/2022

Supervised By :Mahesh Dadoda 03/30/2022



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.422 ug/l m

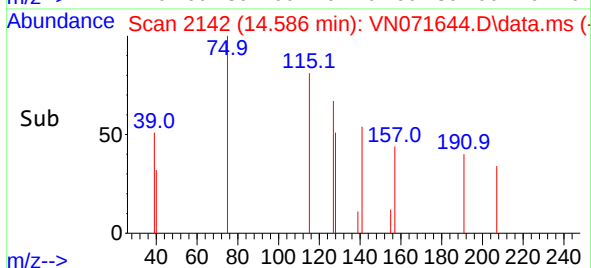
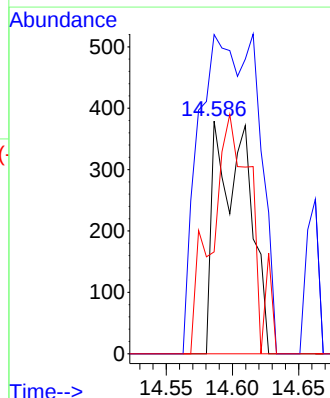
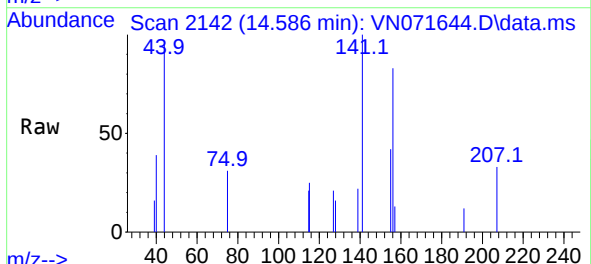
RT: 14.586 min Scan# 2142

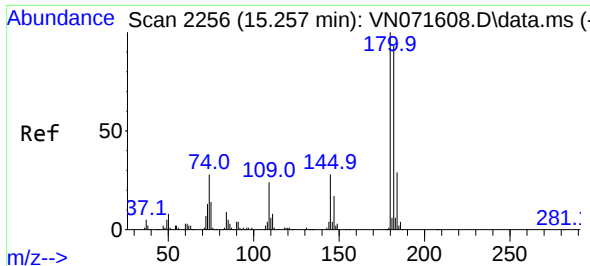
Delta R.T. -0.012 min

Lab File: VN071644.D

Acq: 29 Mar 2022 20:06

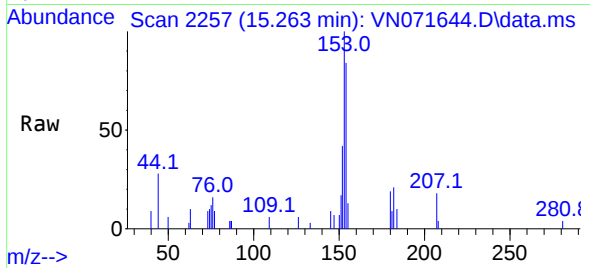
Tgt Ion:	75	Resp:	686
Ion Ratio	Lower	Upper	
75	100		
155	235.7	44.9	134.5#
157	119.4	59.0	176.8





#93
1,2,4-Trichlorobenzene
Concen: 0.349 ug/l
RT: 15.263 min Scan# 2256
Delta R.T. 0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

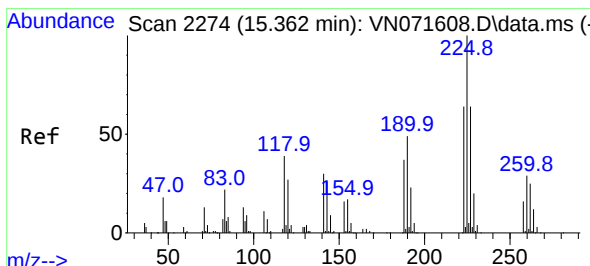
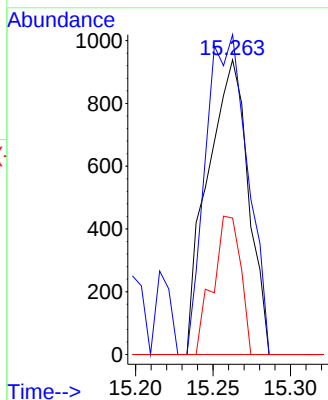
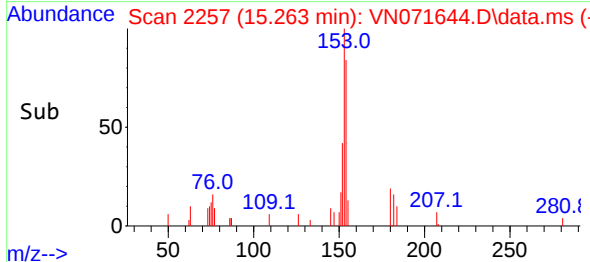
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



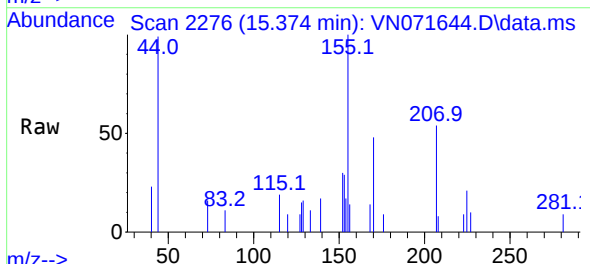
Tgt Ion:180 Resp: 1718
Ion Ratio Lower Upper
180 100
182 111.2 47.5 142.5
145 31.8 14.5 43.5

Manual Integrations
APPROVED

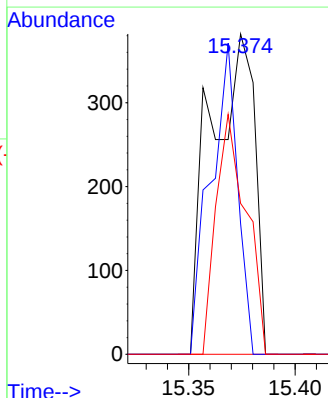
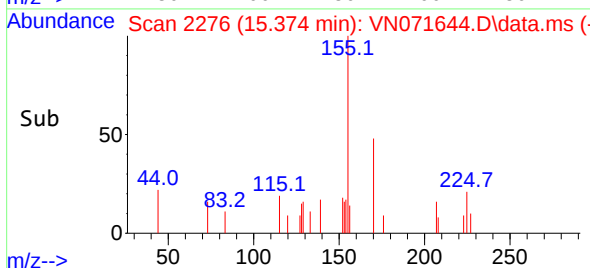
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

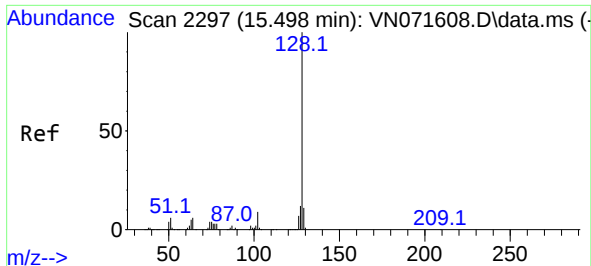


#94
Hexachlorobutadiene
Concen: 0.174 ug/l
RT: 15.374 min Scan# 2276
Delta R.T. 0.012 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06



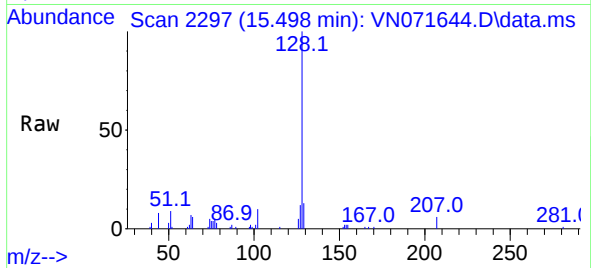
Tgt Ion:225 Resp: 542
Ion Ratio Lower Upper
225 100
223 60.7 32.4 97.2
227 52.0 31.8 95.4





#95
Naphthalene
Concen: 2.408 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

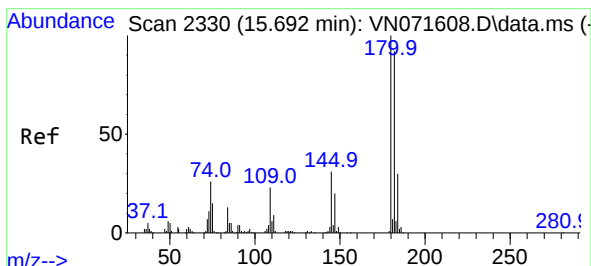
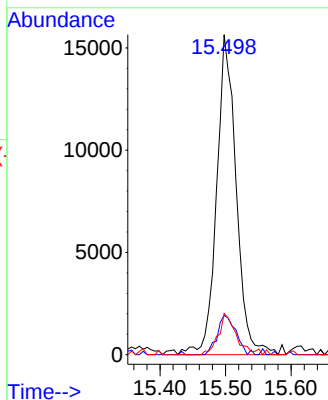
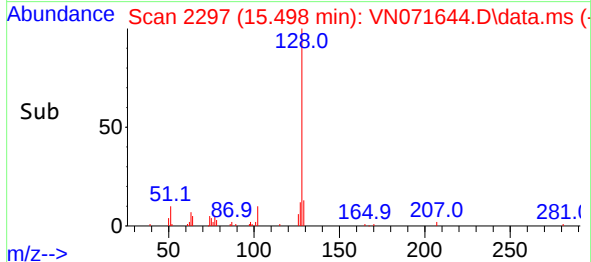
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion:128 Resp: 32338
Ion Ratio Lower Upper
128 100
127 11.7 10.3 15.5
129 12.1 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#96
1,2,3-Trichlorobenzene
Concen: 0.413 ug/l
RT: 15.686 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN071644.D
Acq: 29 Mar 2022 20:06

Tgt Ion:180 Resp: 2040
Ion Ratio Lower Upper
180 100
182 108.9 47.8 143.3
145 31.3 15.5 46.5

