

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
 Data File : VN071638.D
 Acq On : 29 Mar 2022 17:42
 Operator : JC\MD
 Sample : N1645-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Mar 30 09:18:12 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	8.080	168	639892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1048708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	885961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	291817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	398990	52.003	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.000%			
35) Dibromofluoromethane	8.016	113	311357	48.342	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.680%			
50) Toluene-d8	10.439	98	1245009	46.863	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 93.720%			
62) 4-Bromofluorobenzene	12.727	95	341988	39.460	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 78.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	4362	0.696	ug/l	97
3) Chloromethane	2.299	50	7068	0.958	ug/l	95
4) Vinyl Chloride	2.440	62	5520	0.674	ug/l	92
5) Bromomethane	2.857	94	5948	1.235	ug/l #	75
6) Chloroethane	3.016	64	4754	0.803	ug/l	93
7) Trichlorofluoromethane	3.369	101	6694	0.685	ug/l #	83
8) Diethyl Ether	3.822	74	2786	0.686	ug/l	59
9) 1,1,2-Trichlorotrifluo...	4.216	101	3599	0.606	ug/l	88
10) Methyl Iodide	4.416	142	5440	0.622	ug/l #	91
11) Tert butyl alcohol	5.357	59	4220	3.115	ug/l #	72
12) 1,1-Dichloroethene	4.181	96	4053	0.706	ug/l #	80
13) Acrolein	4.040	56	4495	3.976	ug/l	96
14) Allyl chloride	4.834	41	6460	0.705	ug/l	88
15) Acrylonitrile	5.557	53	12645	3.342	ug/l #	86
16) Acetone	4.298	43	12500	3.952	ug/l	100
17) Carbon Disulfide	4.534	76	9680	0.677	ug/l	95
18) Methyl Acetate	4.857	43	16716	1.710	ug/l	96
19) Methyl tert-butyl Ether	5.616	73	12707	0.606	ug/l	96
20) Methylene Chloride	5.098	84	5517	0.789	ug/l	90
21) trans-1,2-Dichloroethene	5.598	96	3955	0.644	ug/l #	76
22) Diisopropyl ether	6.498	45	12242	0.625	ug/l #	88
23) Vinyl Acetate	6.434	43	49197	2.976	ug/l #	92
24) 1,1-Dichloroethane	6.386	63	7761	0.665	ug/l #	87
25) 2-Butanone	7.339	43	15844	3.218	ug/l #	86
26) 2,2-Dichloropropane	7.316	77	6185	0.617	ug/l #	65
27) cis-1,2-Dichloroethene	7.316	96	5060	0.670	ug/l	99
28) Bromochloromethane	7.651	49	3093	0.656	ug/l #	96
29) Tetrahydrofuran	7.686	42	10380	3.248	ug/l #	80
30) Chloroform	7.816	83	7883	0.659	ug/l	88
31) Cyclohexane	8.086	56	18071	1.687	ug/l #	59
32) 1,1,1-Trichloroethane	8.010	97	6815	0.657	ug/l #	52
36) 1,1-Dichloropropene	8.222	75	6304	0.681	ug/l	95
37) Ethyl Acetate	7.416	43	6493	0.641	ug/l	97
38) Carbon Tetrachloride	8.198	117	6049	0.659	ug/l #	69
39) Methylcyclohexane	9.457	83	6772	0.591	ug/l	92
40) Benzene	8.457	78	18983	0.668	ug/l	99

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Manual Integrations
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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	7.633	41	2717	0.552	ug/l #	93
42) 1,2-Dichloroethane	8.516	62	7892	0.803	ug/l	98
43) Isopropyl Acetate	8.563	43	22735	1.265	ug/l #	76
44) Trichloroethene	9.222	130	4405	0.590	ug/l	78
45) 1,2-Dichloropropane	9.486	63	4805	0.686	ug/l #	86
46) Dibromomethane	9.569	93	3131	0.653	ug/l	96
47) Bromodichloromethane	9.757	83	5641	0.597	ug/l #	85
48) Methyl methacrylate	9.551	41	4425	0.607	ug/l	91
49) 1,4-Dioxane	9.575	88	1857	11.567	ug/l #	60
51) 4-Methyl-2-Pentanone	10.327	43	26706	2.690	ug/l	99
52) Toluene	10.498	92	11679	0.639	ug/l	93
53) t-1,3-Dichloropropene	10.716	75	5542	0.540	ug/l	99
54) cis-1,3-Dichloropropene	10.180	75	5788	0.518	ug/l	97
55) 1,1,2-Trichloroethane	10.898	97	4536	0.616	ug/l	90
56) Ethyl methacrylate	10.757	69	5311	0.483	ug/l	96
57) 1,3-Dichloropropane	11.039	76	7735	0.629	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.039	63	5592	1.978	ug/l	96
59) 2-Hexanone	11.080	43	19420	2.735	ug/l	91
60) Dibromochloromethane	11.227	129	3981	0.539	ug/l	99
61) 1,2-Dibromoethane	11.339	107	4480	0.601	ug/l	94
64) Tetrachloroethene	10.969	164	4000	0.652	ug/l	95
65) Chlorobenzene	11.763	112	12760	0.690	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.839	131	3861	0.582	ug/l #	56
67) Ethyl Benzene	11.839	91	17734	0.556	ug/l	99
68) m/p-Xylenes	11.951	106	13603	1.122	ug/l	92
69) o-Xylene	12.280	106	6509	0.534	ug/l	98
70) Styrene	12.286	104	8965	0.482	ug/l	98
71) Bromoform	12.451	173	2680	0.513	ug/l #	97
73) Isopropylbenzene	12.574	105	14597	0.572	ug/l	99
74) N-amyl acetate	12.380	43	4563	0.589	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.821	83	6571	0.769	ug/l #	92
76) 1,2,3-Trichloropropane	12.868	75	5887m	0.840	ug/l	
77) Bromobenzene	12.857	156	4373	0.681	ug/l	92
78) n-propylbenzene	12.915	91	16467	0.598	ug/l	100
79) 2-Chlorotoluene	13.004	91	11791	0.684	ug/l	100
80) 1,3,5-Trimethylbenzene	13.057	105	11324	0.562	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.621	75	1367m	0.563	ug/l	
82) 4-Chlorotoluene	13.104	91	9519	0.592	ug/l	97
83) tert-Butylbenzene	13.321	119	10967	0.593	ug/l	98
84) 1,2,4-Trimethylbenzene	13.362	105	10912	0.553	ug/l	96
85) sec-Butylbenzene	13.498	105	12680	0.519	ug/l	100
86) p-Isopropyltoluene	13.610	119	8648	0.445	ug/l	94
87) 1,3-Dichlorobenzene	13.615	146	6459	0.623	ug/l	93
88) 1,4-Dichlorobenzene	13.692	146	6432m	0.625	ug/l	
89) n-Butylbenzene	13.939	91	7361	0.502	ug/l	95
90) Hexachloroethane	14.204	117	2547	0.699	ug/l	95
91) 1,2-Dichlorobenzene	13.986	146	6869	0.677	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.598	75	790	0.535	ug/l	96
93) 1,2,4-Trichlorobenzene	15.262	180	2001	0.446	ug/l	86
94) Hexachlorobutadiene	15.368	225	1949	0.690	ug/l	97
95) Naphthalene	15.498	128	3734	0.306	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.692	180	1444	0.322	ug/l	90

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ClientSampleId :
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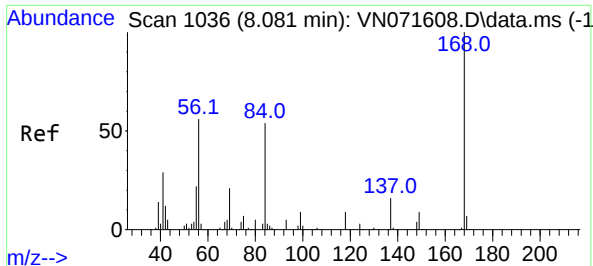
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 03/30/2022

Quant Time: Mar 30 09:18:12 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

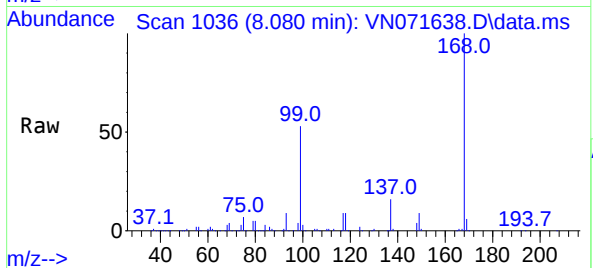
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN071638.D
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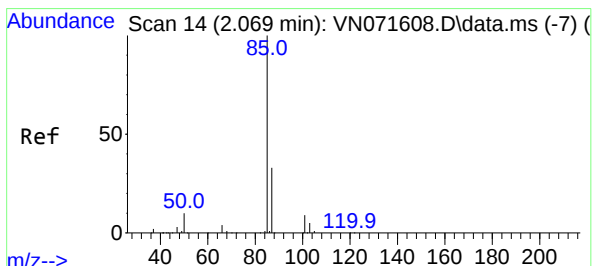
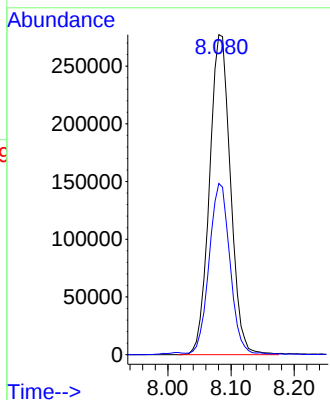
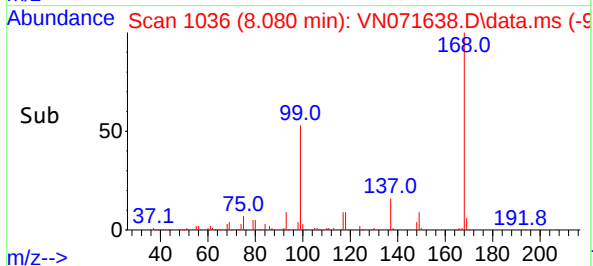
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion:168 Resp: 639892
Ion Ratio Lower Upper
168 100
99 53.2 42.3 63.5

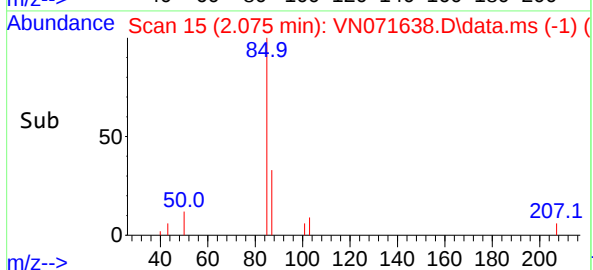
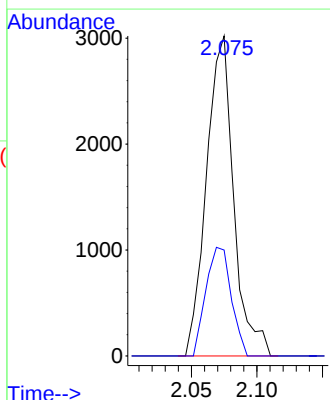
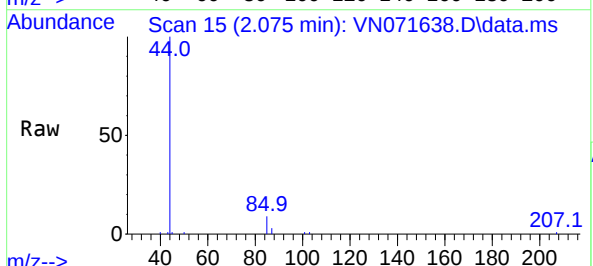
Manual Integrations
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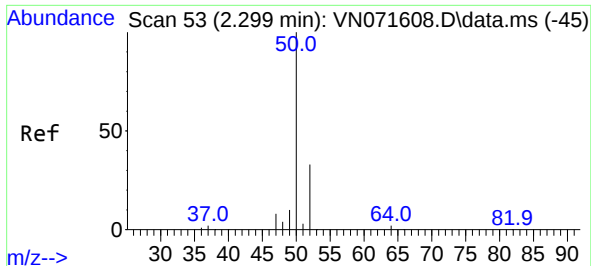
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#2
Dichlorodifluoromethane
Concen: 0.696 ug/l
RT: 2.075 min Scan# 15
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

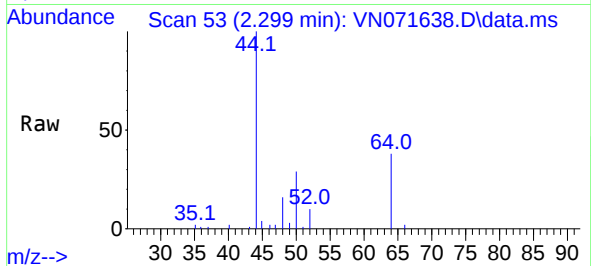
Tgt Ion: 85 Resp: 4362
Ion Ratio Lower Upper
85 100
87 33.1 15.7 47.1





#3
Chloromethane
Concen: 0.958 ug/l
RT: 2.299 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

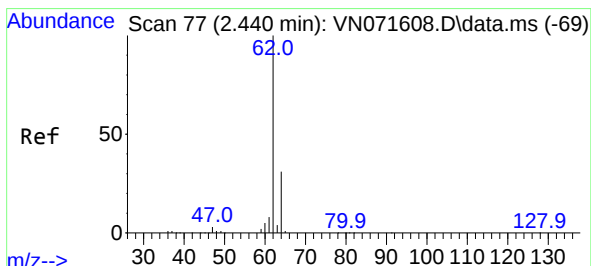
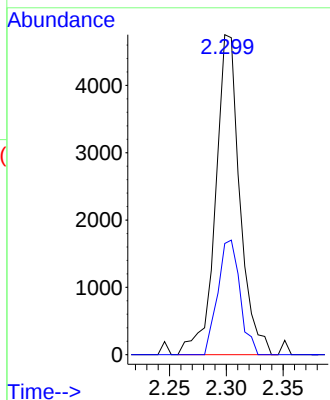
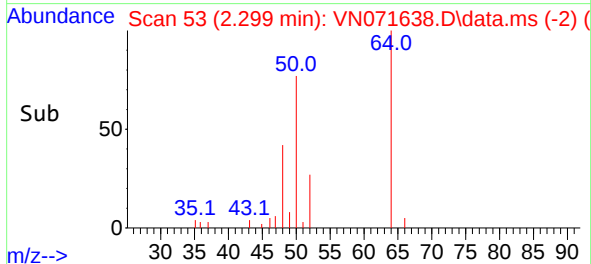
Instrument :
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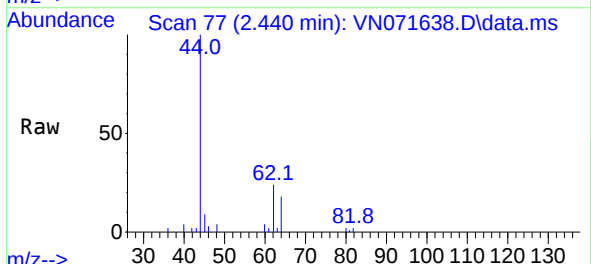
Tgt Ion: 50 Resp: 7068
Ion Ratio Lower Upper
50 100
52 34.8 25.7 38.5

Manual Integrations
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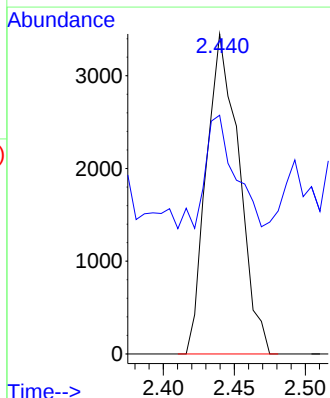
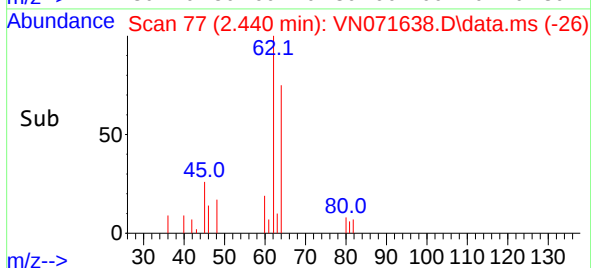
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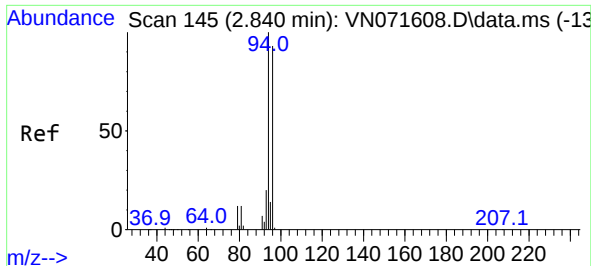


#4
Vinyl Chloride
Concen: 0.674 ug/l
RT: 2.440 min Scan# 77
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



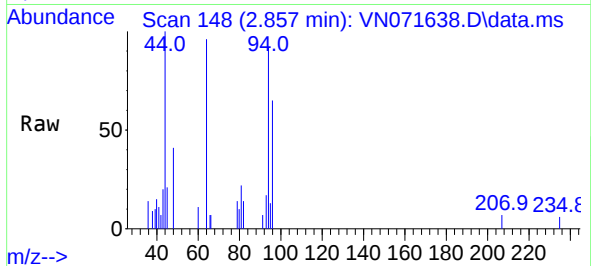
Tgt Ion: 62 Resp: 5520
Ion Ratio Lower Upper
62 100
64 35.5 25.0 37.4





#5
Bromomethane
Concen: 1.235 ug/l
RT: 2.857 min Scan# 145
Delta R.T. 0.017 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

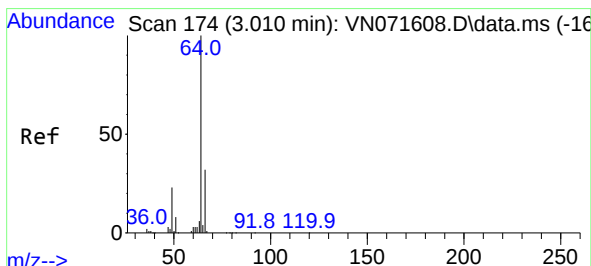
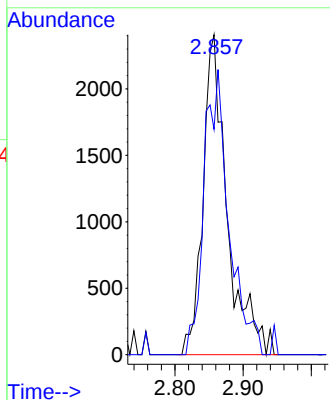
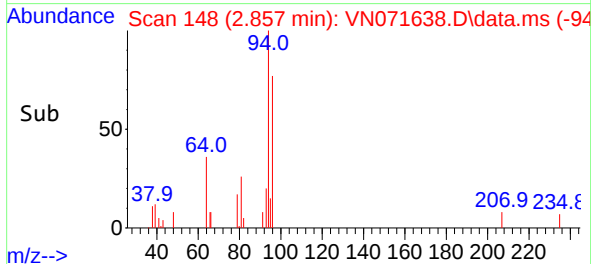
Instrument :
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Tgt Ion: 94 Resp: 5948
Ion Ratio Lower Upper
94 100
96 70.4 76.0 114.0

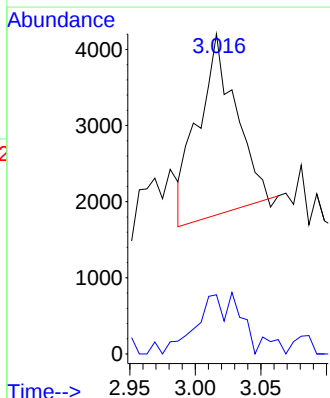
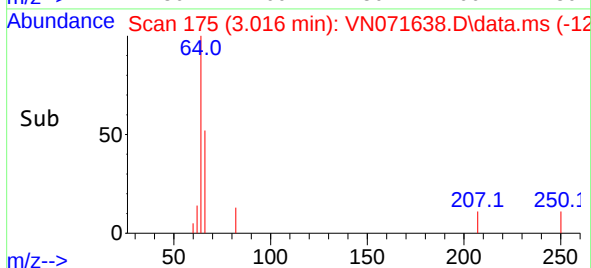
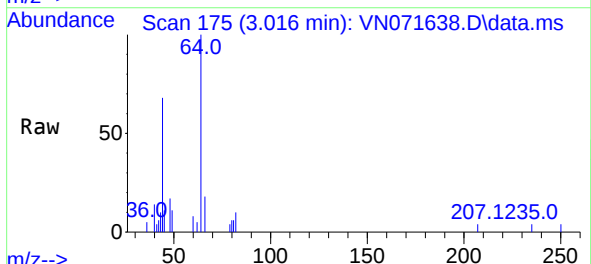
Manual Integrations
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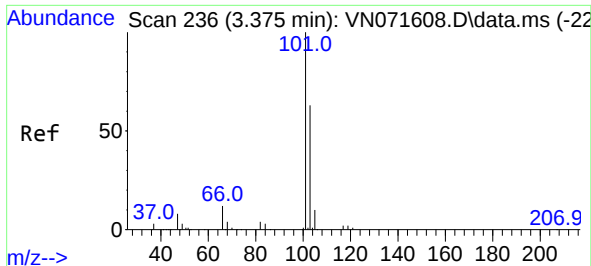
Reviewed By :John Carlone 03/30/2022
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#6
Chloroethane
Concen: 0.803 ug/l
RT: 3.016 min Scan# 175
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

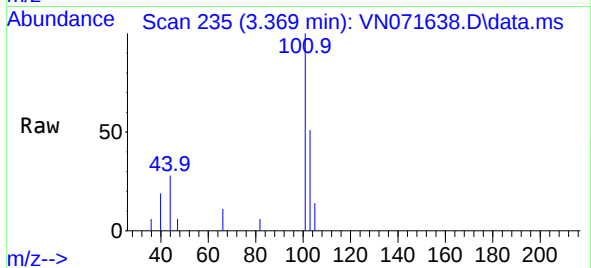
Tgt Ion: 64 Resp: 4754
Ion Ratio Lower Upper
64 100
66 28.6 26.2 39.4





#7
Trichlorofluoromethane
Concen: 0.685 ug/l
RT: 3.369 min Scan# 210
Delta R.T. -0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

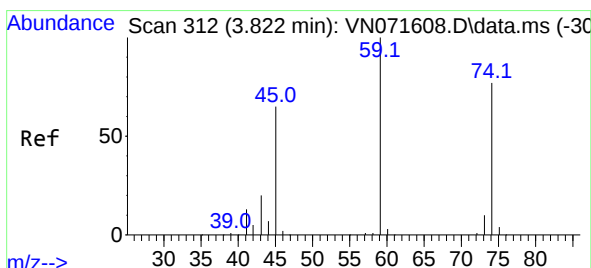
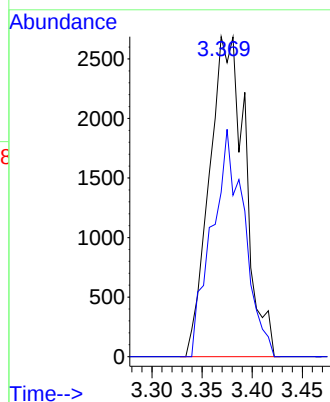
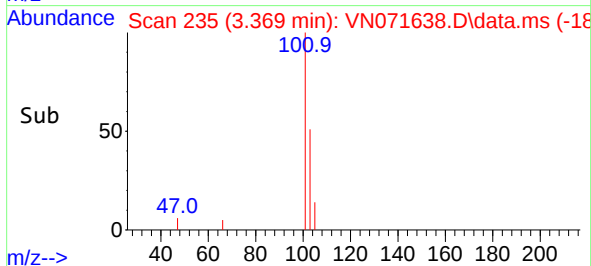
Instrument :
MSVOA_N
ClientSampleId :
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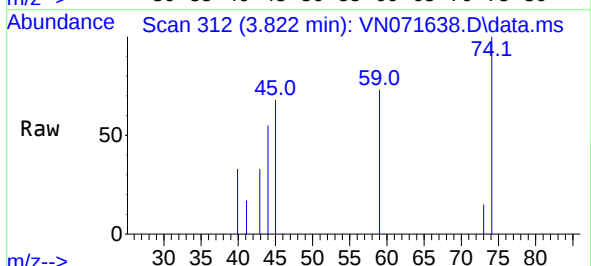
Tgt Ion:101 Resp: 6694
Ion Ratio Lower Upper
101 100
103 51.4 51.5 77.3

Manual Integrations
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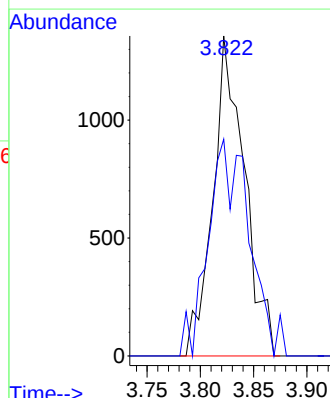
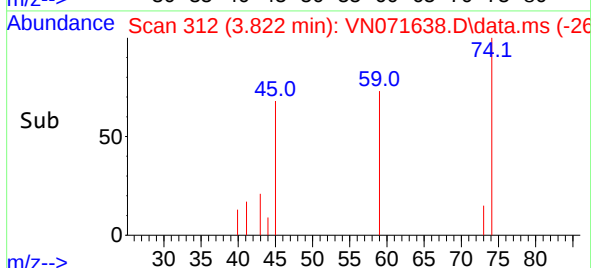
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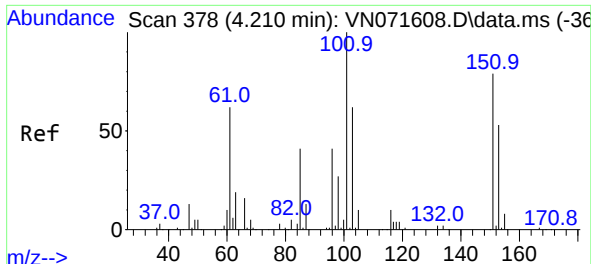


#8
Diethyl Ether
Concen: 0.686 ug/l
RT: 3.822 min Scan# 312
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



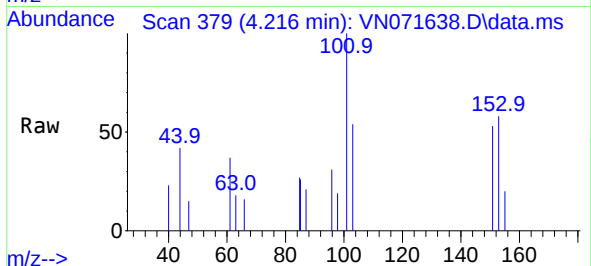
Tgt Ion: 74 Resp: 2786
Ion Ratio Lower Upper
74 100
45 48.5 42.9 128.5





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.606 ug/l
RT: 4.216 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

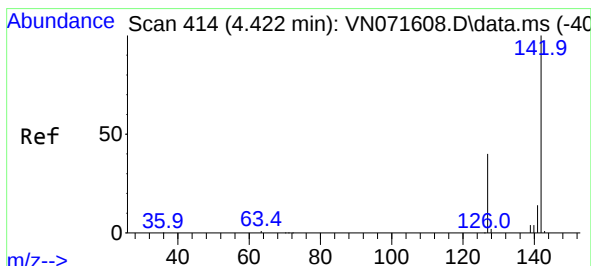
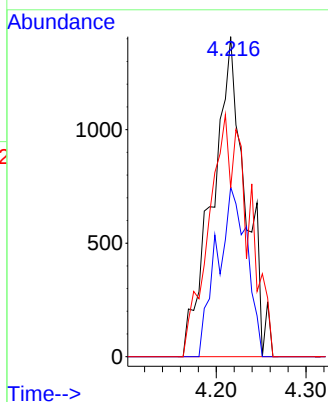
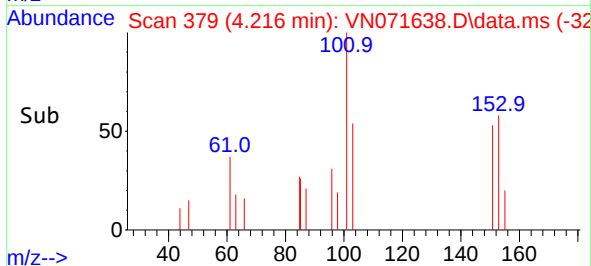
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



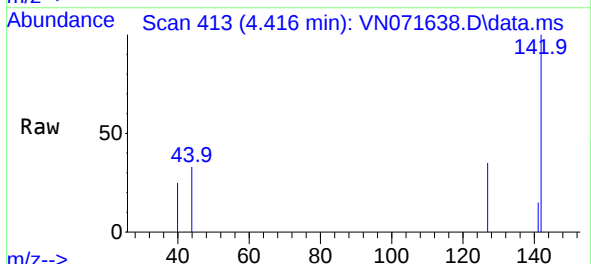
Tgt Ion:101 Resp: 359
Ion Ratio Lower Upper
101 100
85 47.8 34.7 52.1
151 91.0 63.0 94.4

Manual Integrations
APPROVED

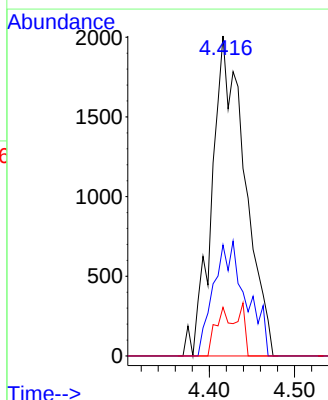
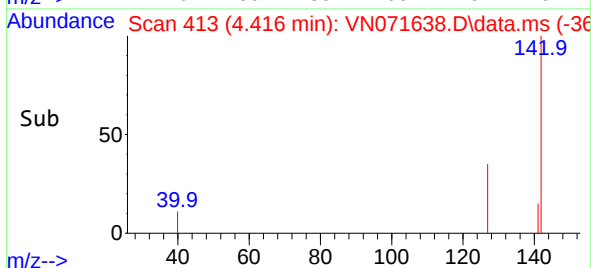
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

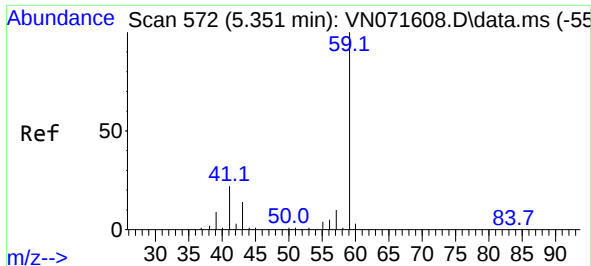


#10
Methyl Iodide
Concen: 0.622 ug/l
RT: 4.416 min Scan# 413
Delta R.T. -0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



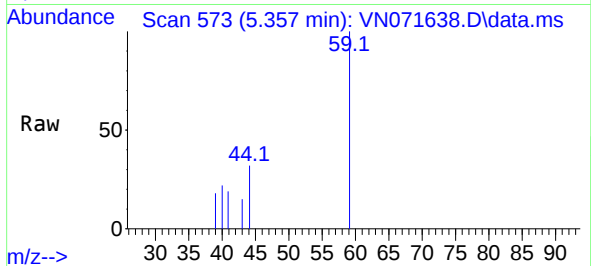
Tgt Ion:142 Resp: 5440
Ion Ratio Lower Upper
142 100
127 34.9 31.3 46.9
141 7.2 11.2 16.8#





#11
Tert butyl alcohol
Concen: 3.115 ug/l
RT: 5.357 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

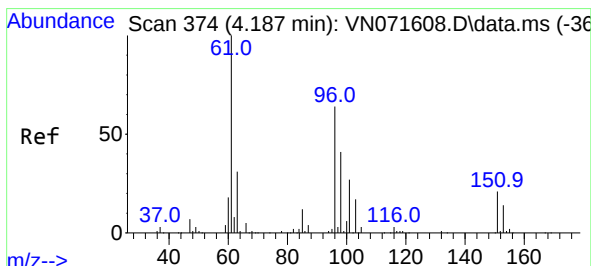
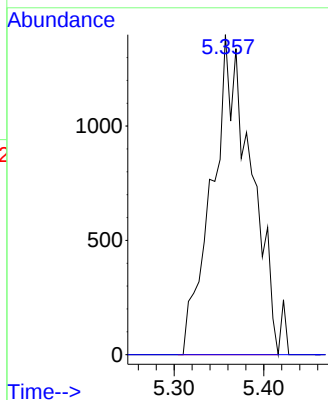
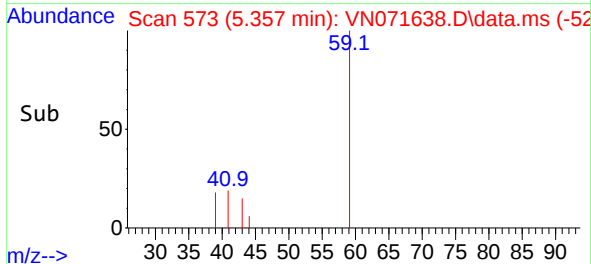
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



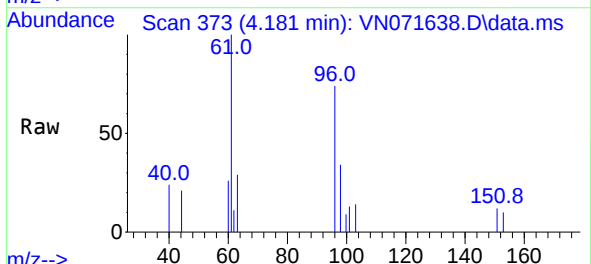
Tgt Ion: 59 Resp: 4220
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5

Manual Integrations
APPROVED

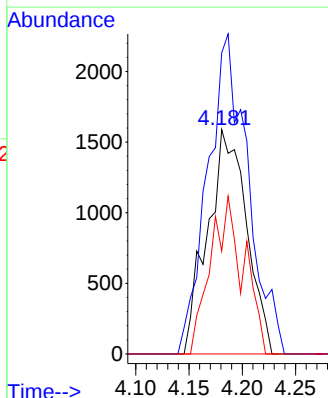
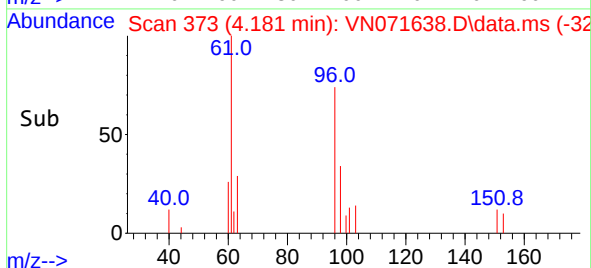
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

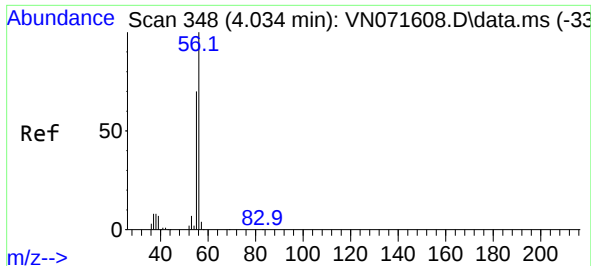


#12
1,1-Dichloroethene
Concen: 0.706 ug/l
RT: 4.181 min Scan# 373
Delta R.T. -0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



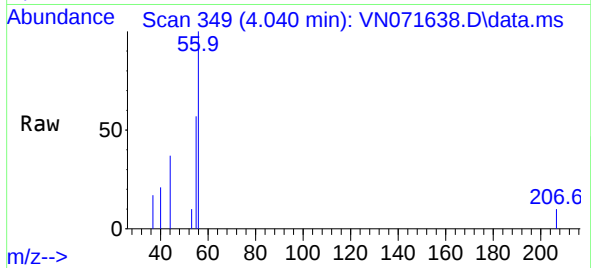
Tgt Ion: 96 Resp: 4053
Ion Ratio Lower Upper
96 100
61 134.3 127.6 191.4
98 45.8 51.2 76.8





#13
Acrolein
Concen: 3.976 ug/l
RT: 4.040 min Scan# 348
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

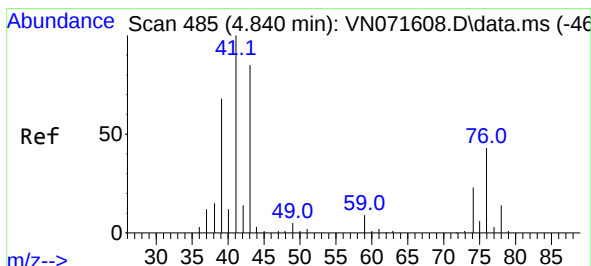
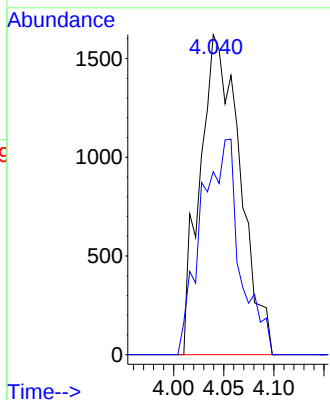
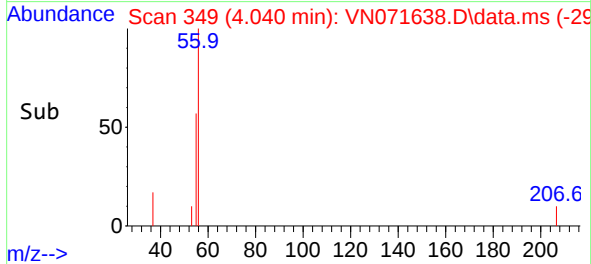
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



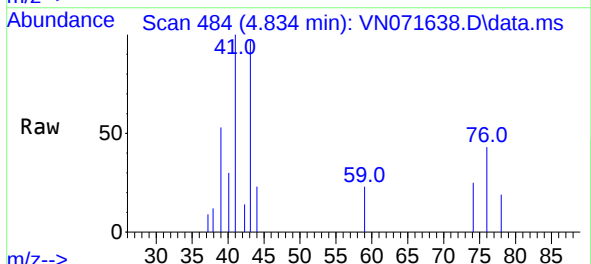
Tgt Ion: 56 Resp: 449
Ion Ratio Lower Upper
56 100
55 65.5 54.8 82.2

Manual Integrations
APPROVED

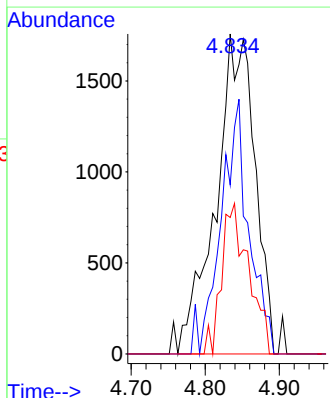
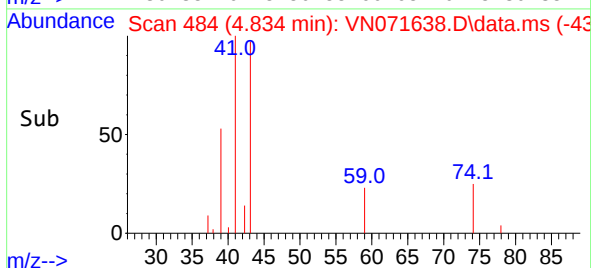
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

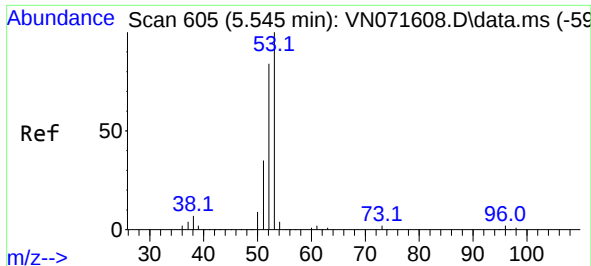


#14
Allyl chloride
Concen: 0.705 ug/l
RT: 4.834 min Scan# 484
Delta R.T. -0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



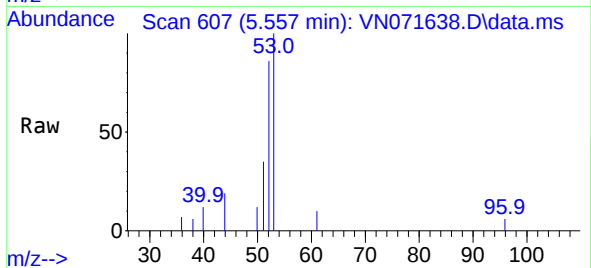
Tgt Ion: 41 Resp: 6460
Ion Ratio Lower Upper
41 100
39 55.2 53.2 79.8
76 32.6 29.9 44.9





#15
Acrylonitrile
Concen: 3.342 ug/l
RT: 5.557 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

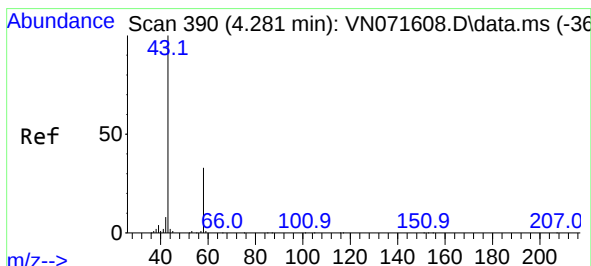
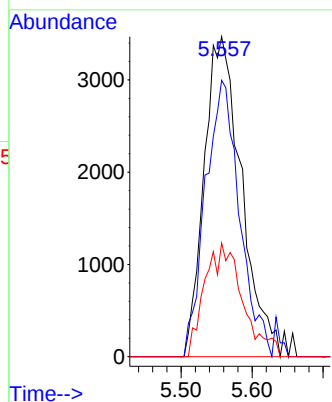
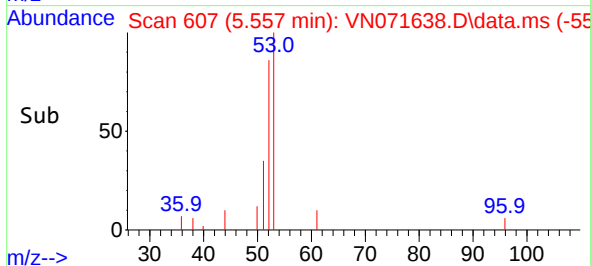
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 53 Resp: 12649
Ion Ratio Lower Upper
53 100
52 79.0 66.4 99.6
51 14.1 28.5 42.7

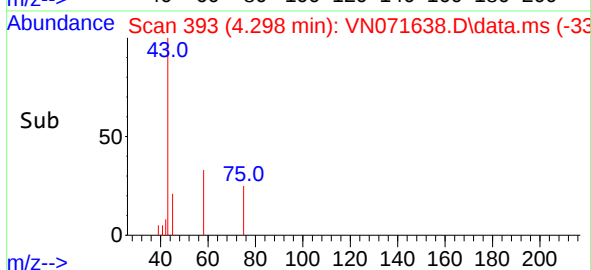
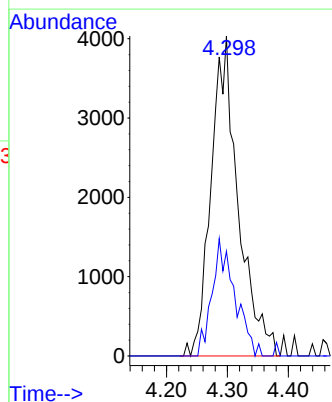
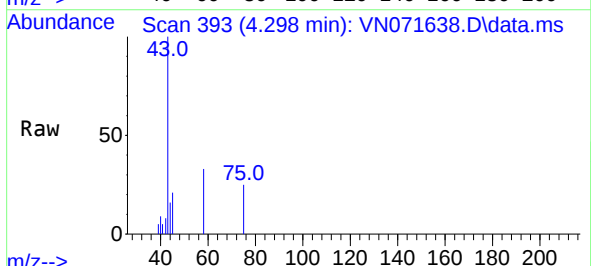
Manual Integrations
APPROVED

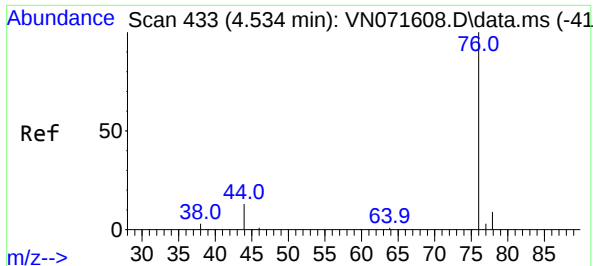
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#16
Acetone
Concen: 3.952 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.017 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

Tgt Ion: 43 Resp: 12500
Ion Ratio Lower Upper
43 100
58 32.7 26.0 39.0





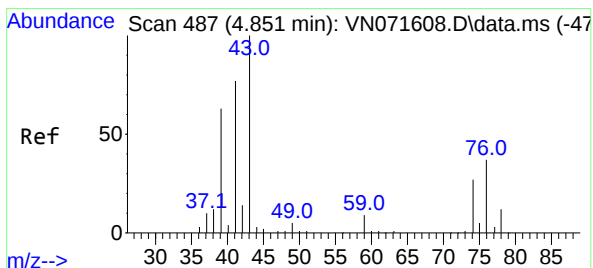
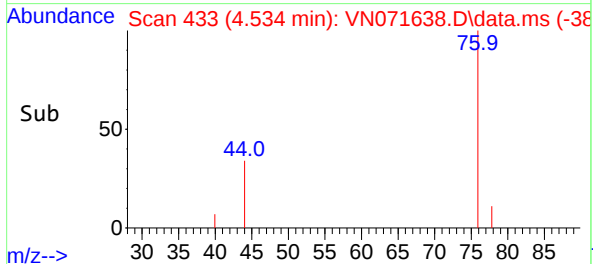
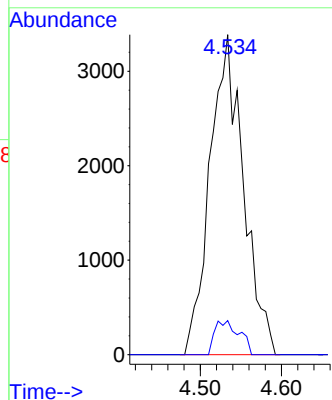
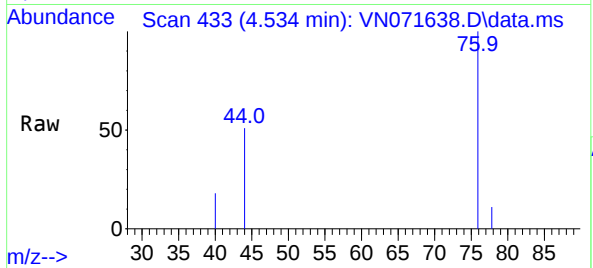
#17
Carbon Disulfide
Concen: 0.677 ug/l
RT: 4.534 min Scan# 411
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

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

Tgt Ion: 76 Resp: 9680
Ion Ratio Lower Upper
76 100
78 10.7 7.2 10.8

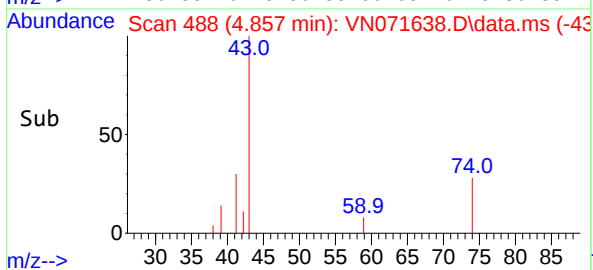
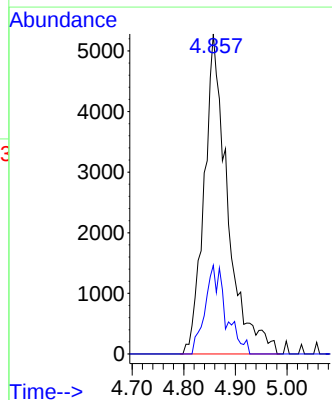
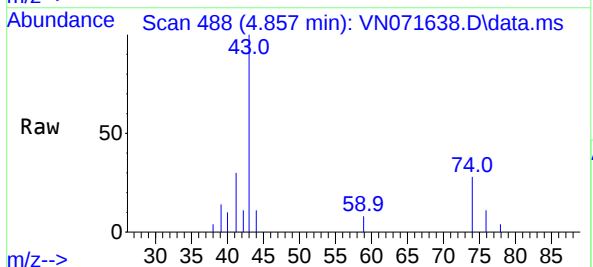
Manual Integrations
APPROVED

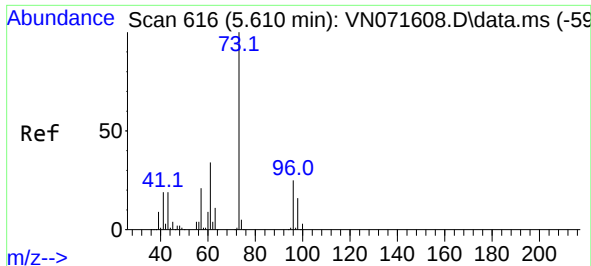
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#18
Methyl Acetate
Concen: 1.710 ug/l
RT: 4.857 min Scan# 488
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

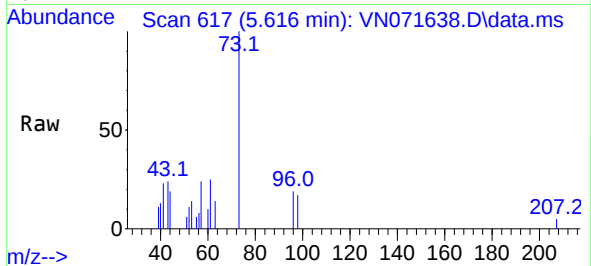
Tgt Ion: 43 Resp: 16716
Ion Ratio Lower Upper
43 100
74 24.7 21.6 32.4





#19
Methyl tert-butyl Ether
Concen: 0.606 ug/l
RT: 5.616 min Scan# 616
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

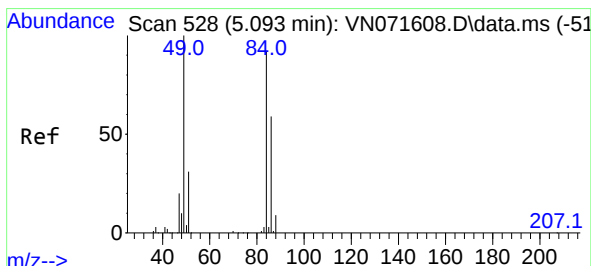
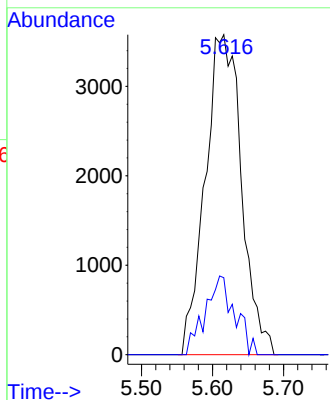
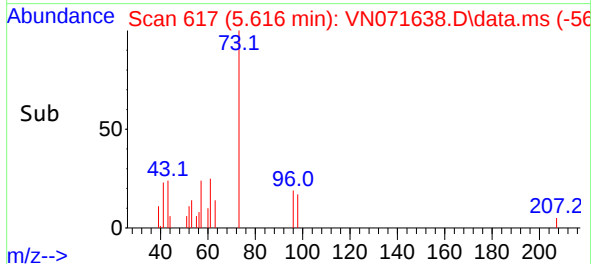
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 73 Resp: 1270
Ion Ratio Lower Upper
73 100
57 24.0 17.6 26.4

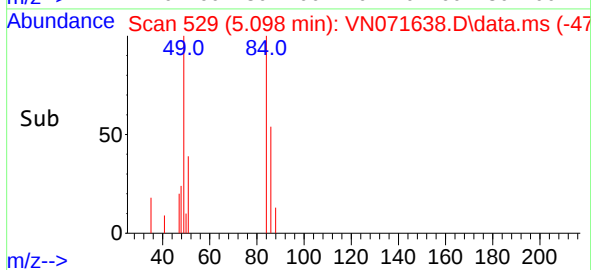
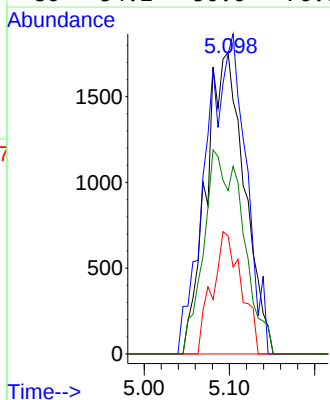
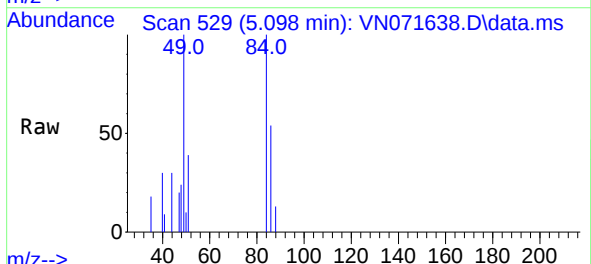
Manual Integrations
APPROVED

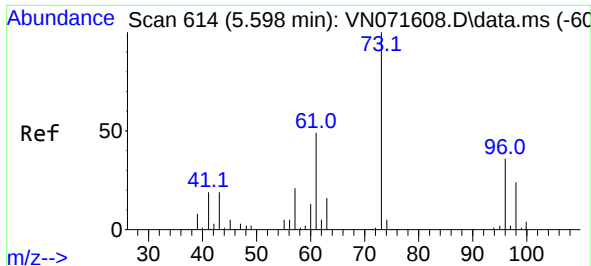
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#20
Methylene Chloride
Concen: 0.789 ug/l
RT: 5.098 min Scan# 529
Delta R.T. 0.005 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

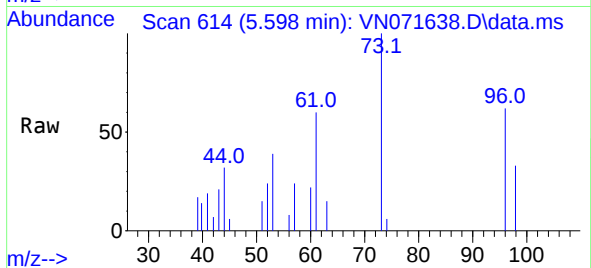
Tgt Ion: 84 Resp: 5517
Ion Ratio Lower Upper
84 100
49 99.7 88.3 132.5
51 39.1 28.2 42.2
86 54.2 50.6 76.0





#21
trans-1,2-Dichloroethene
Concen: 0.644 ug/l
RT: 5.598 min Scan# 614
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

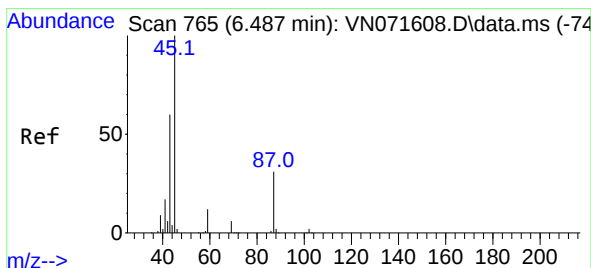
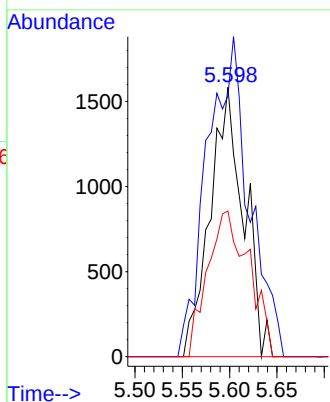
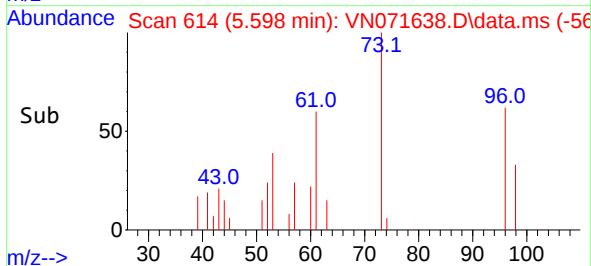
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 96 Resp: 3958
Ion Ratio Lower Upper
96 100
61 96.9 105.8 158.8
98 54.0 50.3 75.5

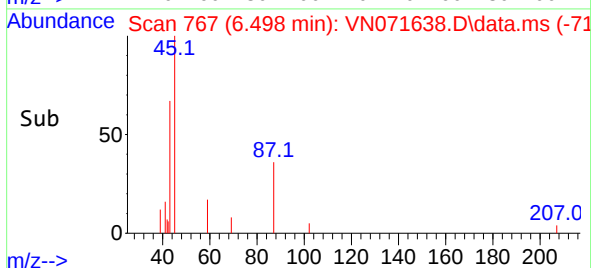
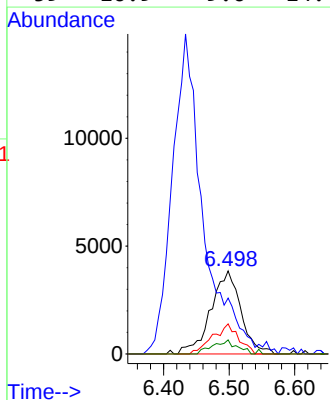
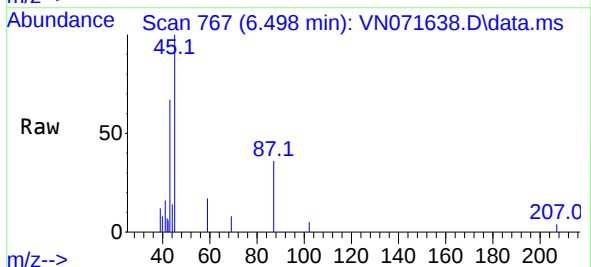
Manual Integrations
APPROVED

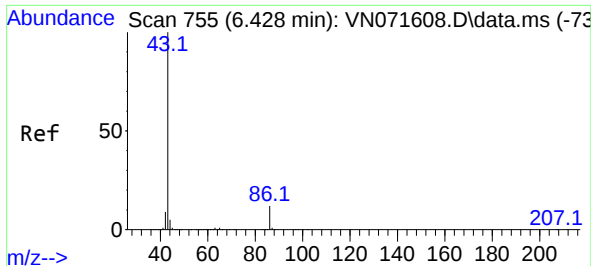
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#22
Diisopropyl ether
Concen: 0.625 ug/l
RT: 6.498 min Scan# 767
Delta R.T. 0.011 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

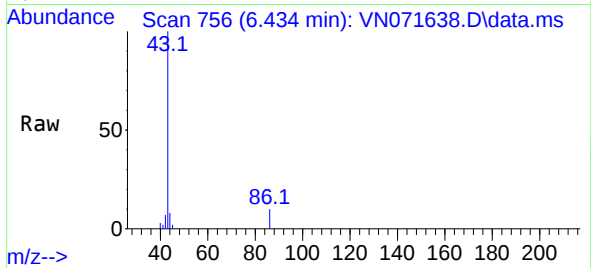
Tgt Ion: 45 Resp: 12242
Ion Ratio Lower Upper
45 100
43 67.2 46.6 70.0
87 36.2 24.3 36.5
59 16.9 9.6 14.4





#23
 Vinyl Acetate
 Concen: 2.976 ug/l
 RT: 6.434 min Scan# 756
 Delta R.T. 0.006 min
 Lab File: VN071638.D
 Acq: 29 Mar 2022 17:42

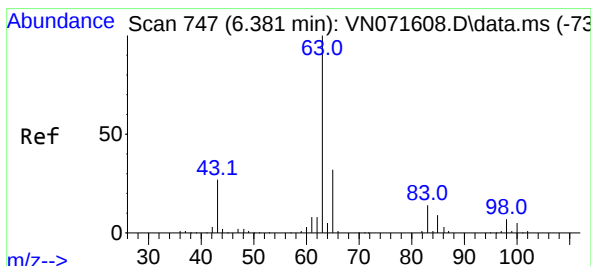
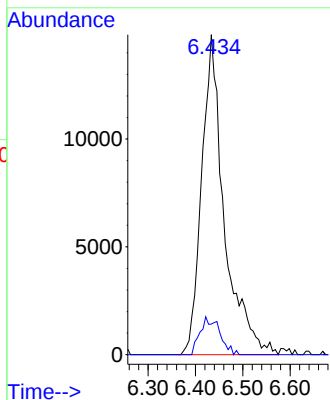
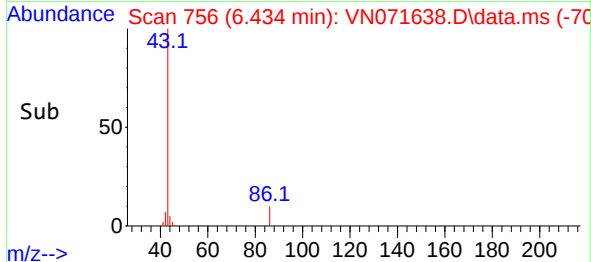
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2022



Tgt Ion: 43 Resp: 4919
 Ion Ratio Lower Upper
 43 100
 86 9.5 10.0 15.0

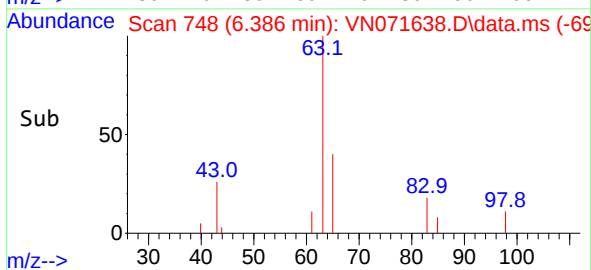
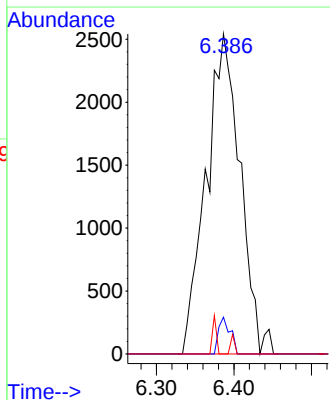
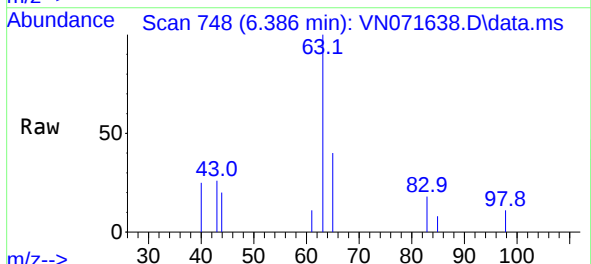
Manual Integrations
 APPROVED

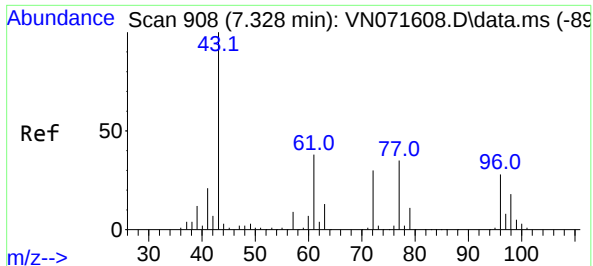
Reviewed By :John Carlone 03/30/2022
 Supervised By :Mahesh Dadoda 03/30/2022



#24
 1,1-Dichloroethane
 Concen: 0.665 ug/l
 RT: 6.386 min Scan# 748
 Delta R.T. 0.005 min
 Lab File: VN071638.D
 Acq: 29 Mar 2022 17:42

Tgt Ion: 63 Resp: 7761
 Ion Ratio Lower Upper
 63 100
 98 11.5 3.5 10.4#
 100 0.0 2.3 6.8#





#25

2-Butanone

Concen: 3.218 ug/l

RT: 7.339 min Scan# 910

Delta R.T. 0.011 min

Lab File: VN071638.D

Acq: 29 Mar 2022 17:42

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022

Tgt Ion: 43 Resp: 1584

Ion Ratio Lower Upper

43 100

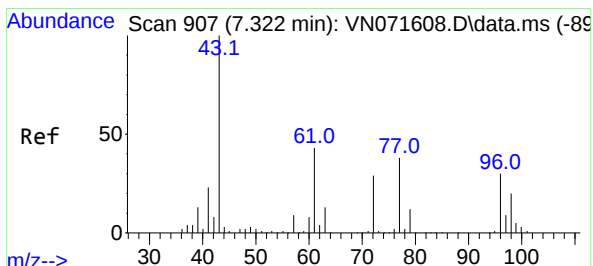
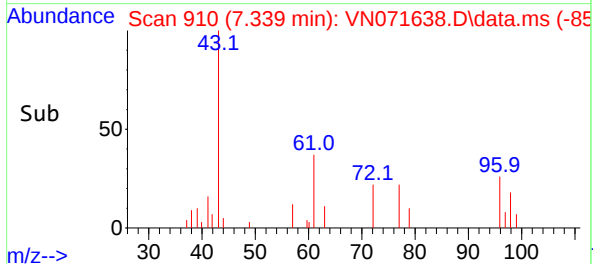
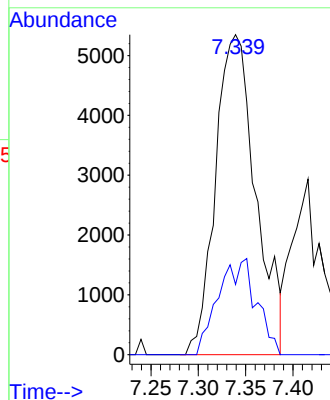
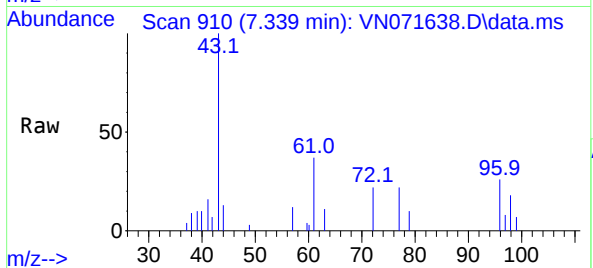
72 22.0 23.7 35.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/30/2022

Supervised By :Mahesh Dadoda 03/30/2022



#26

2,2-Dichloropropane

Concen: 0.617 ug/l

RT: 7.316 min Scan# 906

Delta R.T. -0.006 min

Lab File: VN071638.D

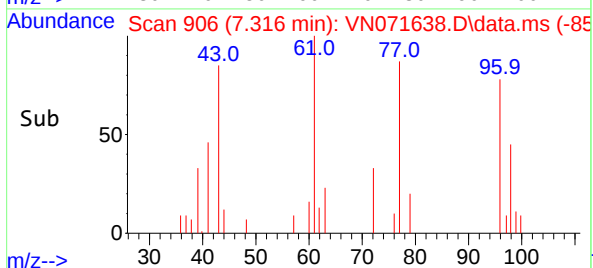
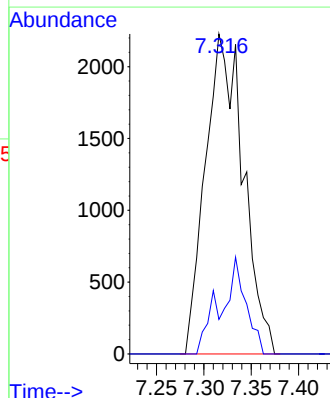
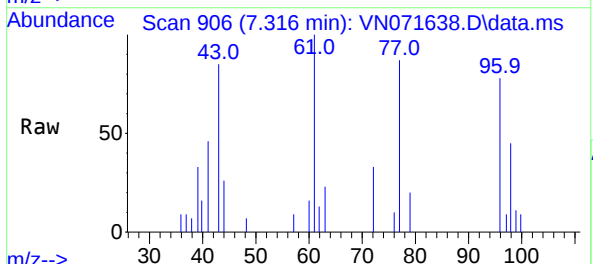
Acq: 29 Mar 2022 17:42

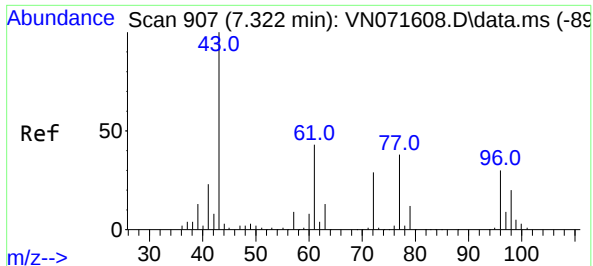
Tgt Ion: 77 Resp: 6185

Ion Ratio Lower Upper

77 100

97 6.0 11.4 34.2#





#27

cis-1,2-Dichloroethene

Concen: 0.670 ug/l

RT: 7.316 min Scan# 907

Delta R.T. -0.006 min

Lab File: VN071638.D

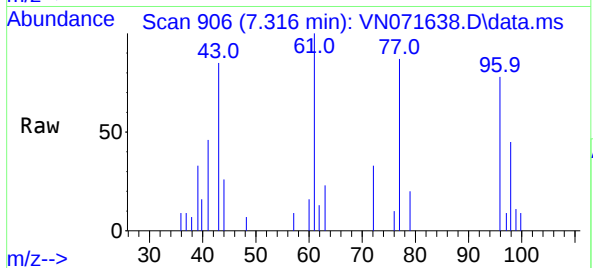
Acq: 29 Mar 2022 17:42

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022



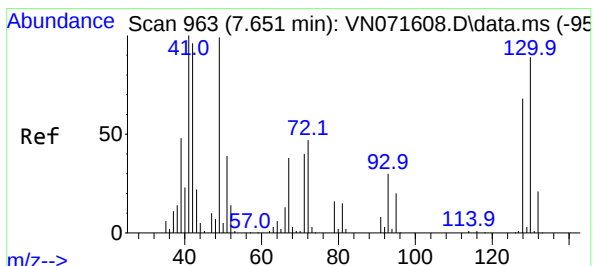
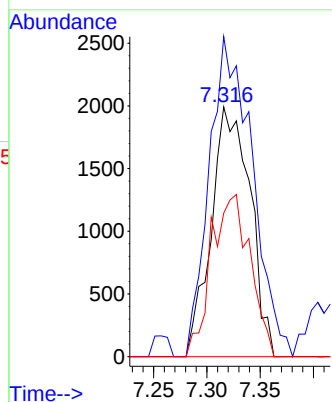
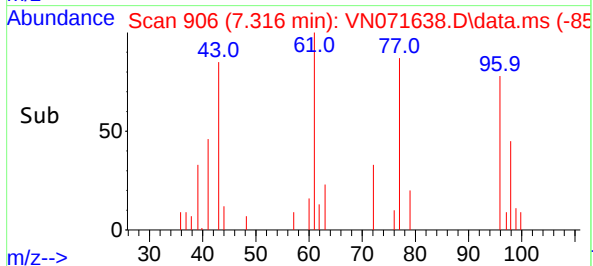
Tgt Ion: 96 Resp: 5060

Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	280.6
98	65.0	0.0	128.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/30/2022

Supervised By :Mahesh Dadoda 03/30/2022



#28

Bromochloromethane

Concen: 0.656 ug/l

RT: 7.651 min Scan# 963

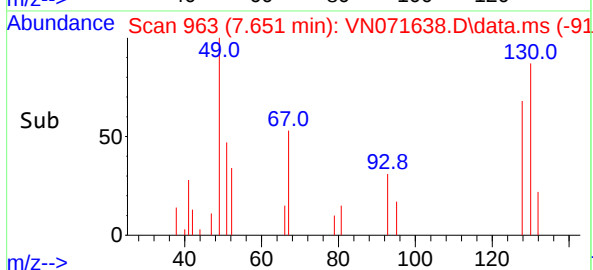
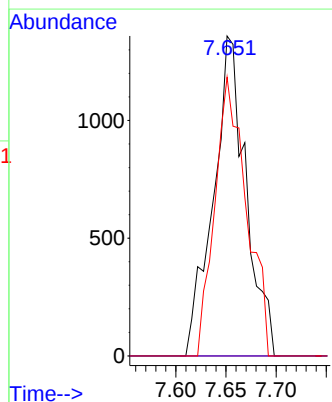
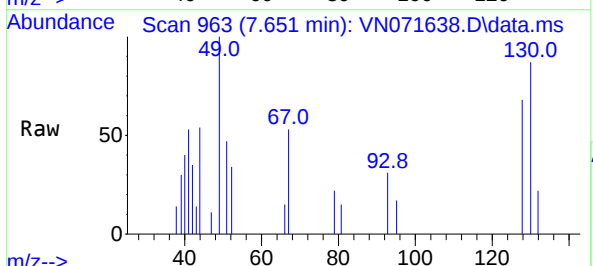
Delta R.T. 0.000 min

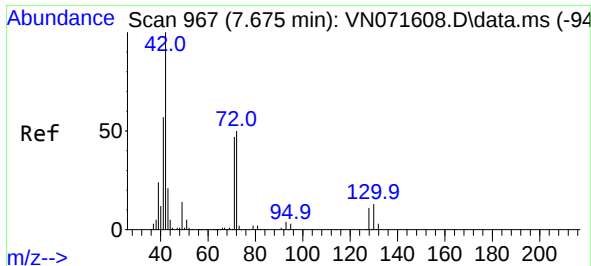
Lab File: VN071638.D

Acq: 29 Mar 2022 17:42

Tgt Ion: 49 Resp: 3093

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	83.9	69.7	104.5





#29

Tetrahydrofuran

Concen: 3.248 ug/l

RT: 7.686 min Scan# 90

Delta R.T. 0.011 min

Lab File: VN071638.D

Acq: 29 Mar 2022 17:42

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022

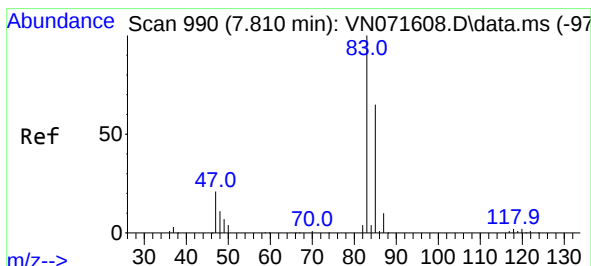
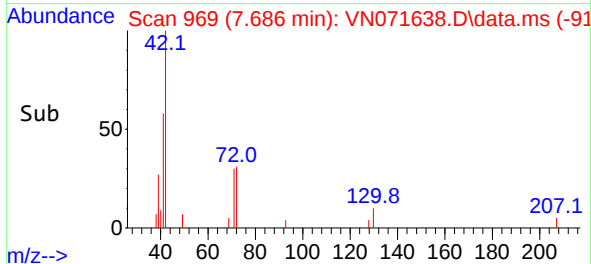
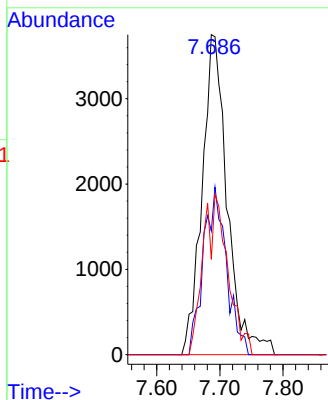
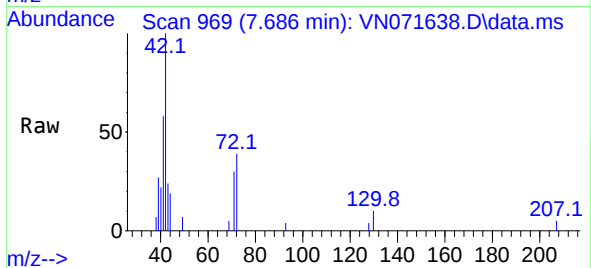
Tgt Ion:	42	Resp:	10380
Ion	Ratio	Lower	Upper
42	100		
72	47.8	39.7	59.5
71	19.8	36.6	55.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/30/2022

Supervised By :Mahesh Dadoda 03/30/2022



#30

Chloroform

Concen: 0.659 ug/l

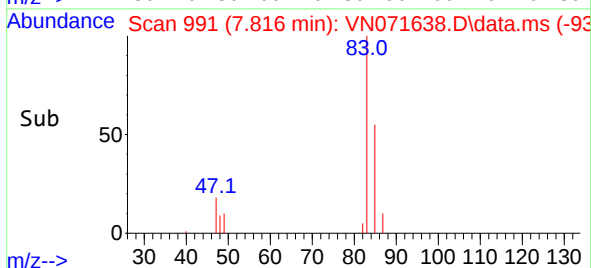
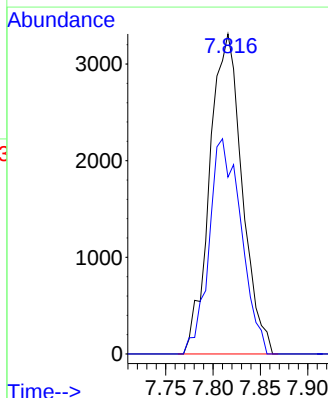
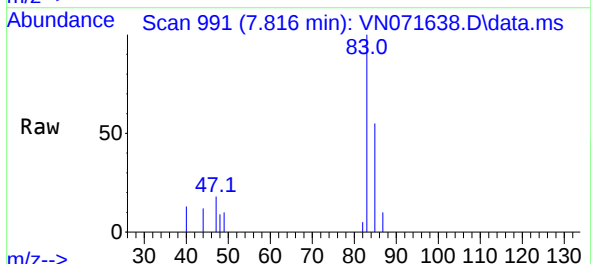
RT: 7.816 min Scan# 991

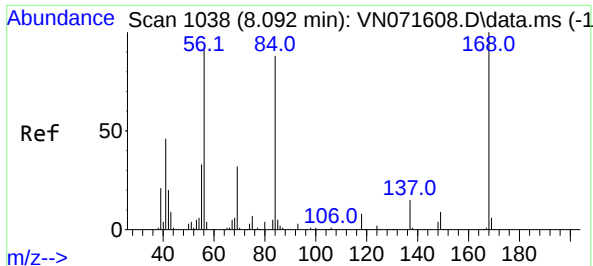
Delta R.T. 0.006 min

Lab File: VN071638.D

Acq: 29 Mar 2022 17:42

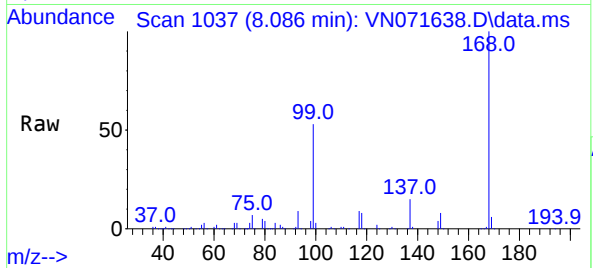
Tgt Ion:	83	Resp:	7883
Ion	Ratio	Lower	Upper
83	100		
85	55.2	51.8	77.8





#31
Cyclohexane
Concen: 1.687 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

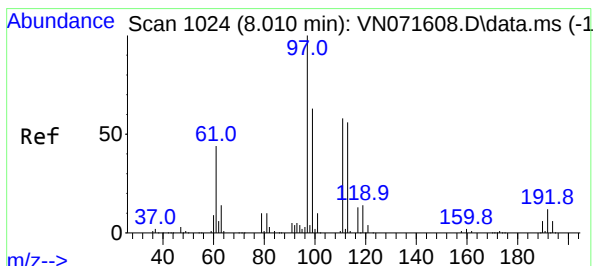
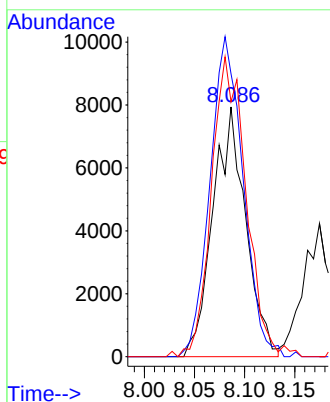
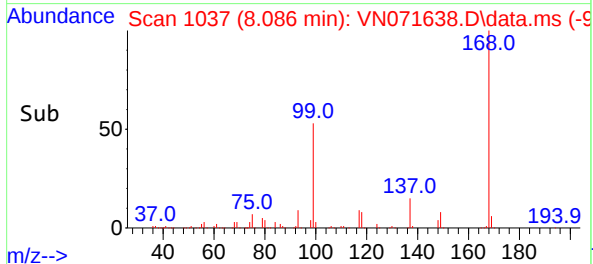
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



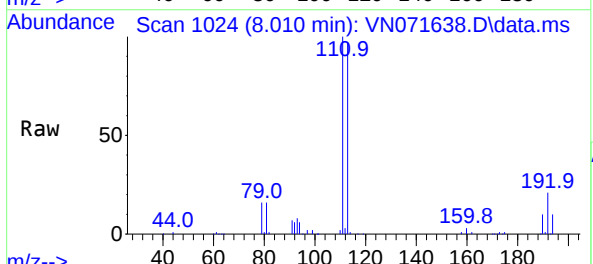
Tgt Ion: 56 Resp: 1807
Ion Ratio Lower Upper
56 100
69 113.3 27.8 41.8
84 102.0 76.9 115.3

Manual Integrations
APPROVED

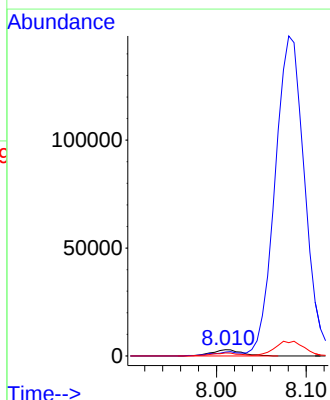
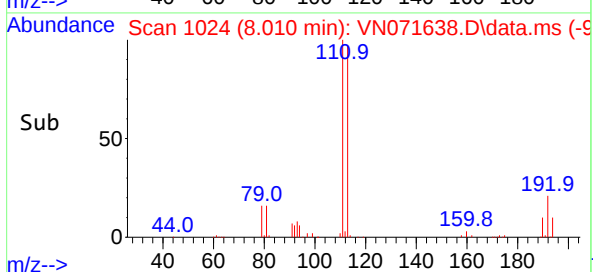
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

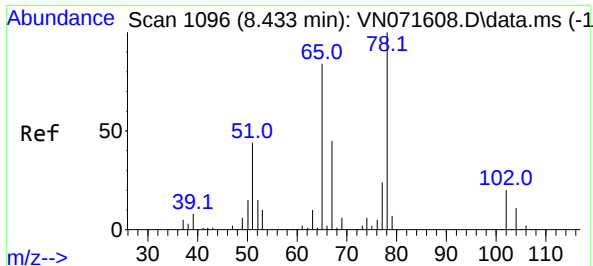


#32
1,1,1-Trichloroethane
Concen: 0.657 ug/l
RT: 8.010 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



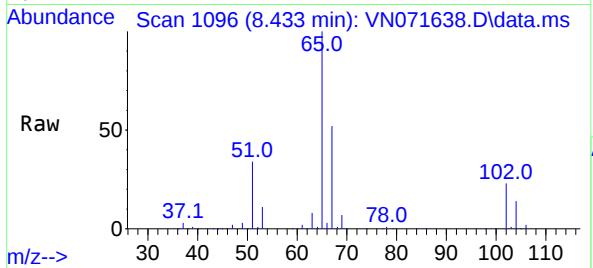
Tgt Ion: 97 Resp: 6815
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 45.1 36.0 54.0





#33
1,2-Dichloroethane-d4
Concen: 52.003 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

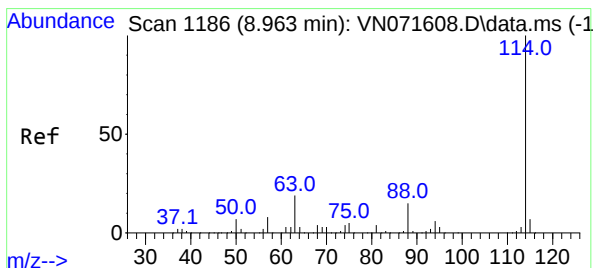
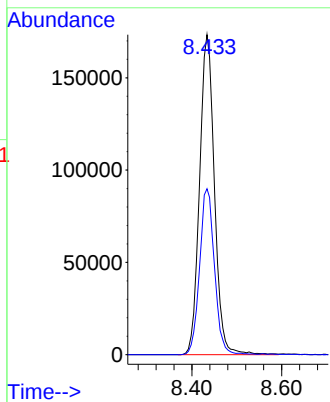
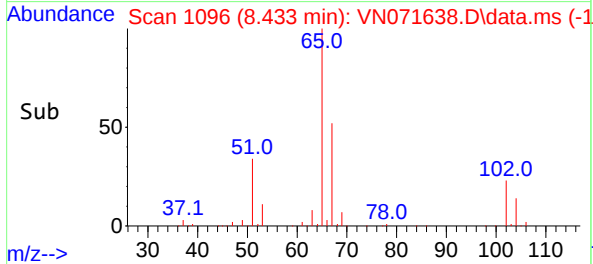
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



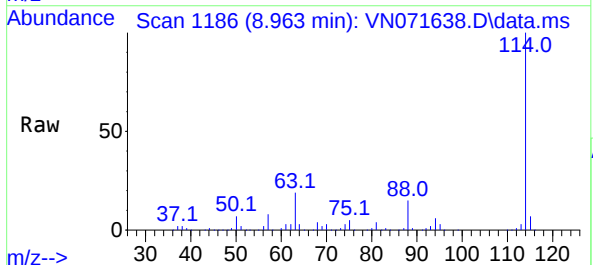
Tgt Ion: 65 Resp: 398990
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8

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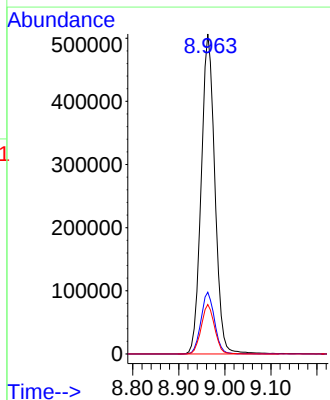
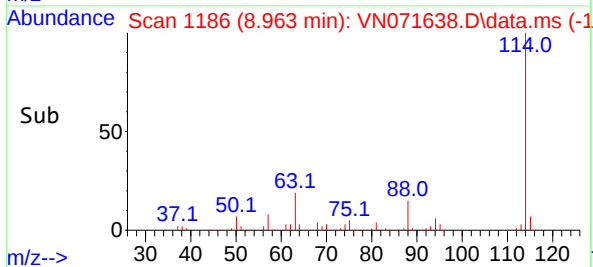
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

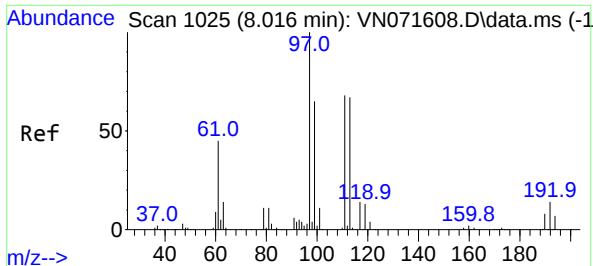


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



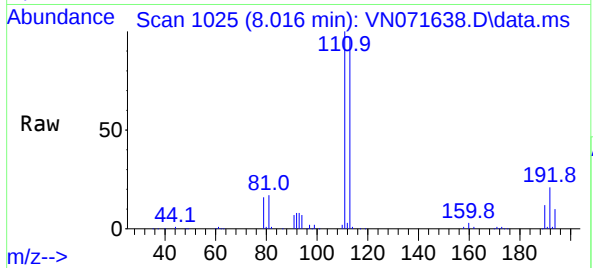
Tgt Ion:114 Resp: 1048708
Ion Ratio Lower Upper
114 100
63 19.3 0.0 40.0
88 15.4 0.0 32.6





#35
Dibromofluoromethane
Concen: 48.342 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

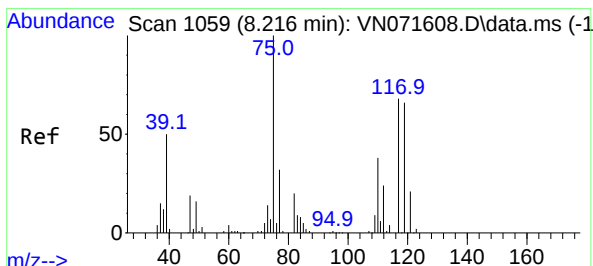
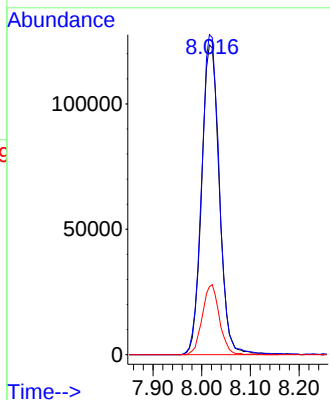
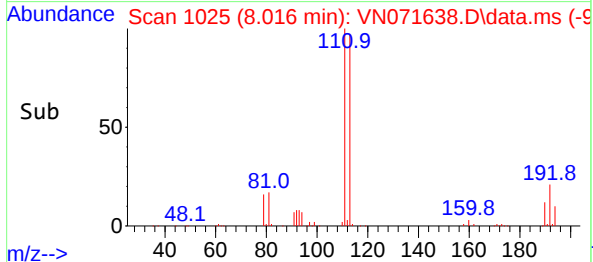
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 113 Resp: 31135
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 21.8 17.0 25.6

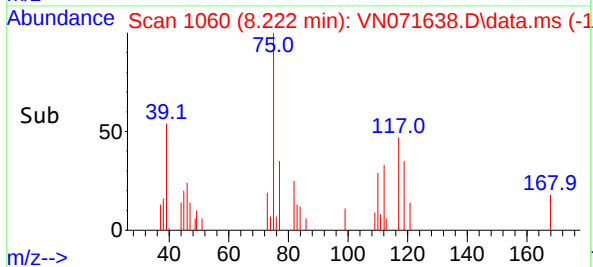
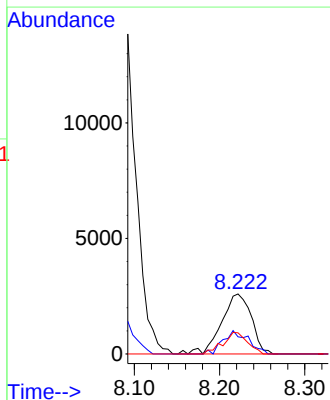
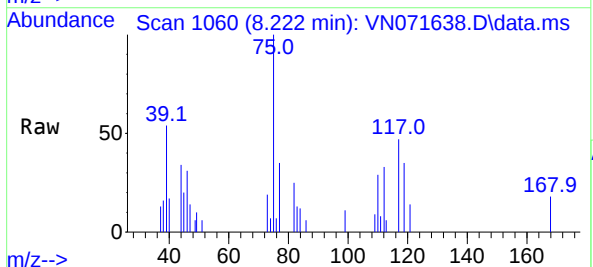
Manual Integrations
APPROVED

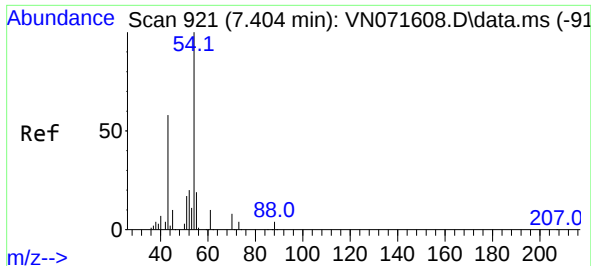
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#36
1,1-Dichloropropene
Concen: 0.681 ug/l
RT: 8.222 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

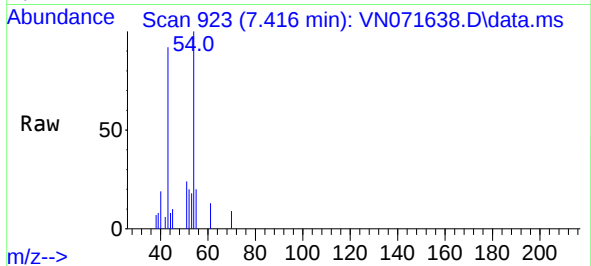
Tgt Ion: 75 Resp: 6304
Ion Ratio Lower Upper
75 100
110 33.0 18.3 54.8
77 29.5 25.1 37.7





#37
Ethyl Acetate
Concen: 0.641 ug/l
RT: 7.416 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

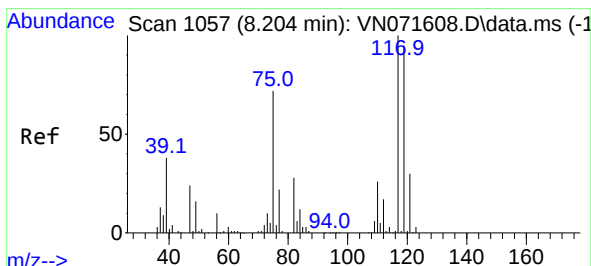
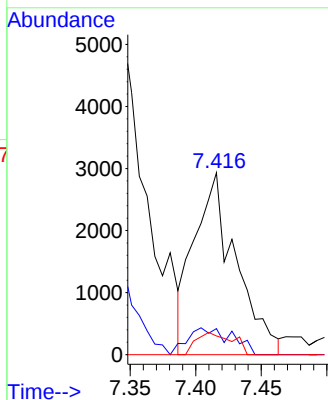
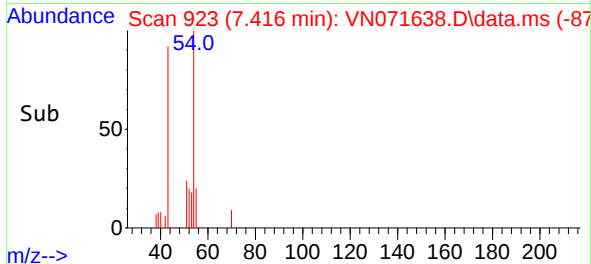
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 43 Resp: 649
Ion Ratio Lower Upper
43 100
61 15.8 11.8 17.6
70 10.5 9.3 13.9

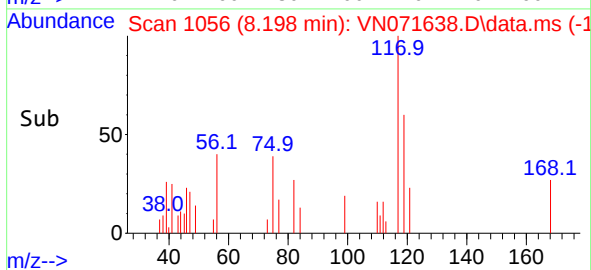
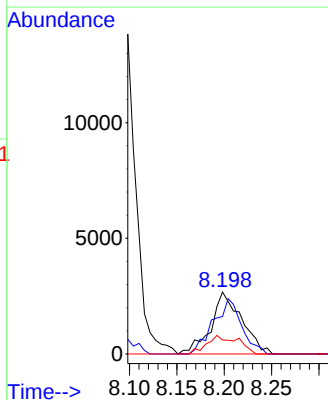
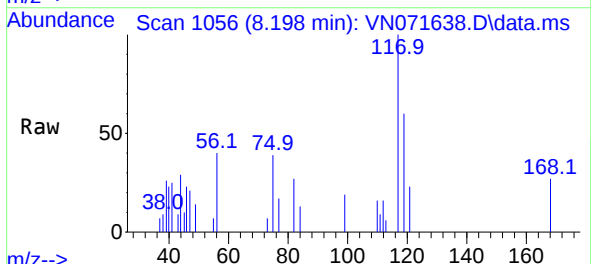
Manual Integrations
APPROVED

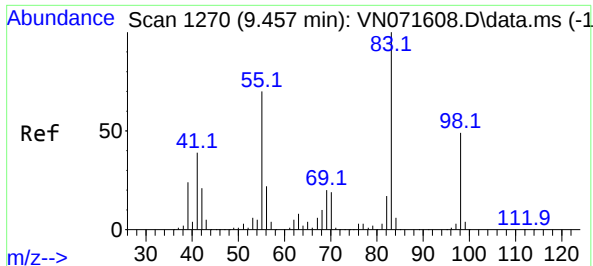
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#38
Carbon Tetrachloride
Concen: 0.659 ug/l
RT: 8.198 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

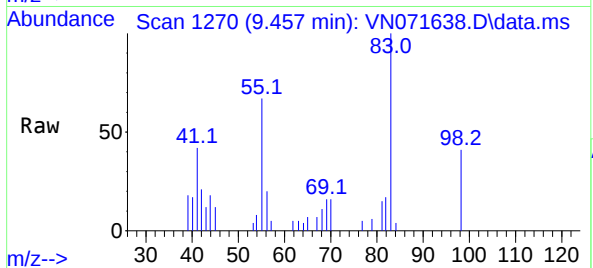
Tgt Ion:117 Resp: 6049
Ion Ratio Lower Upper
117 100
119 60.3 75.8 113.8#
121 22.5 24.6 37.0#





#39
Methylcyclohexane
Concen: 0.591 ug/l
RT: 9.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

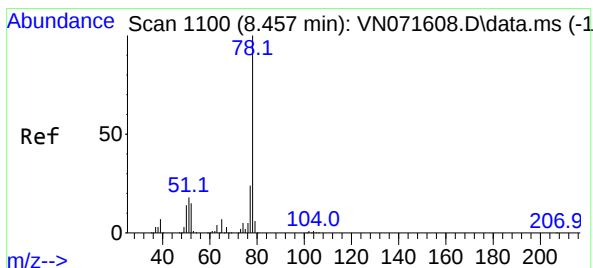
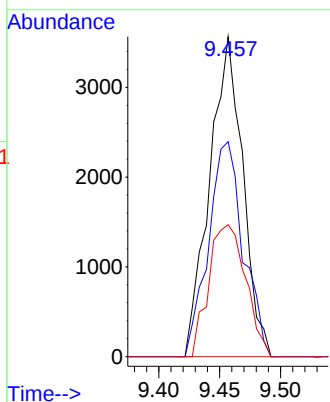
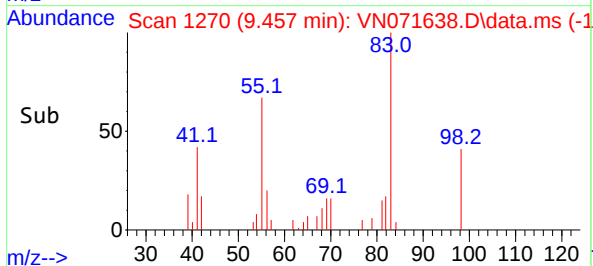
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



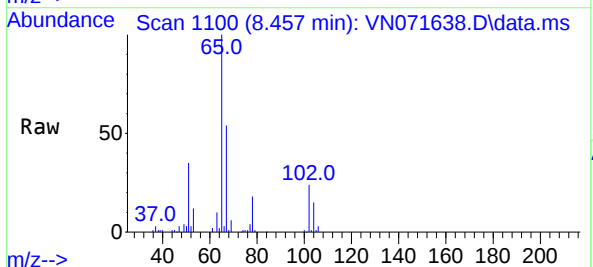
Tgt Ion: 83 Resp: 6772
Ion Ratio Lower Upper
83 100
55 67.2 57.8 86.8
98 41.3 39.4 59.2

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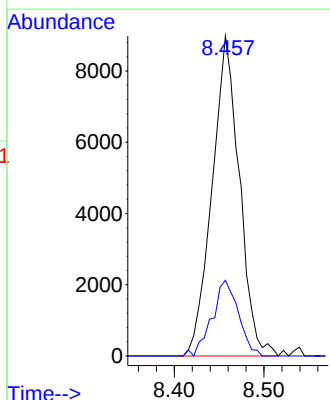
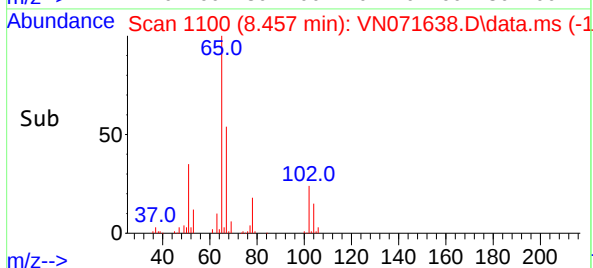
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

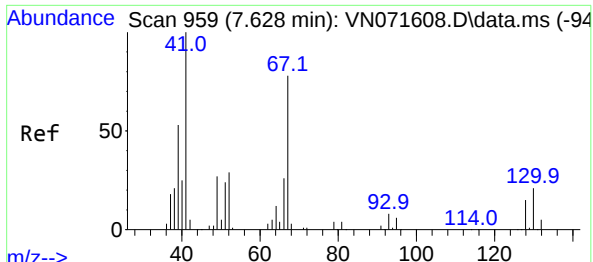


#40
Benzene
Concen: 0.668 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



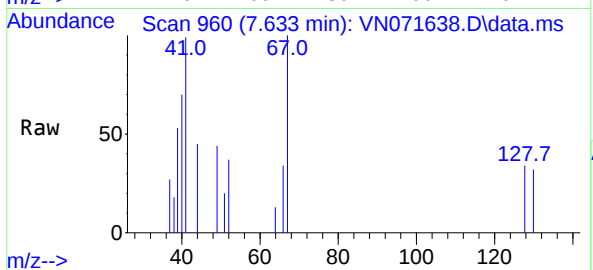
Tgt Ion: 78 Resp: 18983
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0





#41
Methacrylonitrile
Concen: 0.552 ug/l
RT: 7.633 min Scan# 910
Delta R.T. 0.005 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

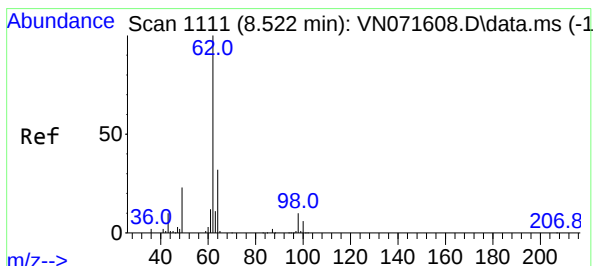
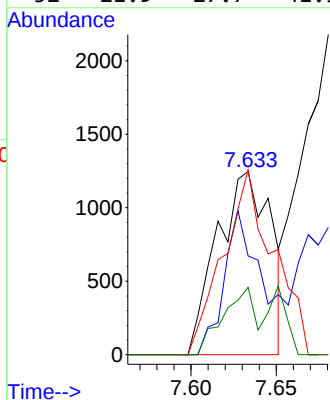
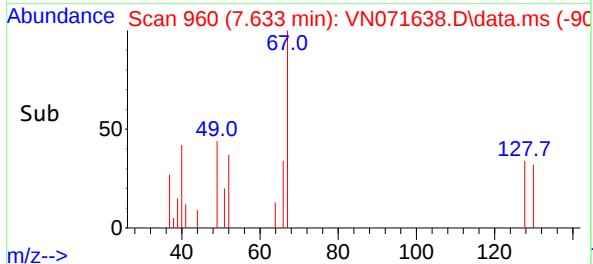
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 41 Resp: 271
Ion Ratio Lower Upper
41 100
39 58.2 48.6 73.0
67 94.4 73.4 110.2
52 21.9 27.7 41.5#

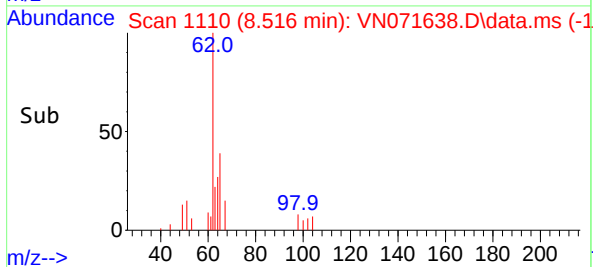
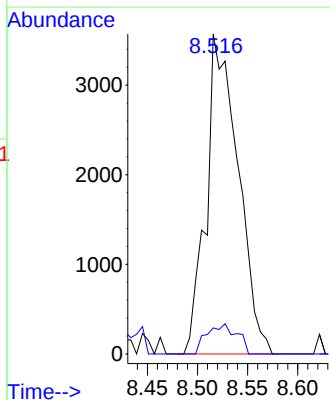
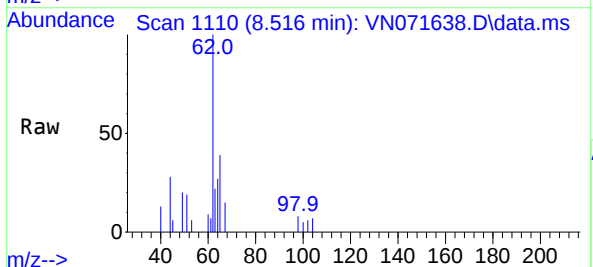
Manual Integrations
APPROVED

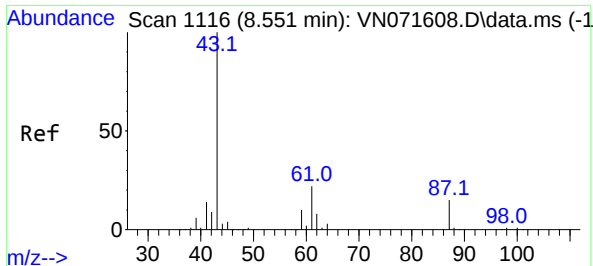
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#42
1,2-Dichloroethane
Concen: 0.803 ug/l
RT: 8.516 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

Tgt Ion: 62 Resp: 7892
Ion Ratio Lower Upper
62 100
98 8.9 0.0 19.4





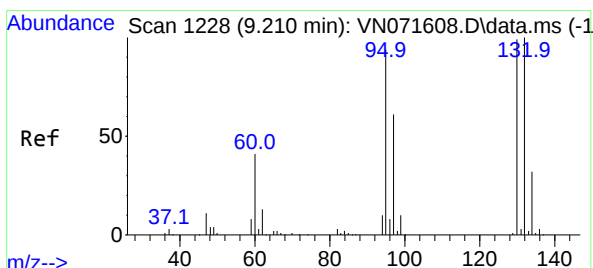
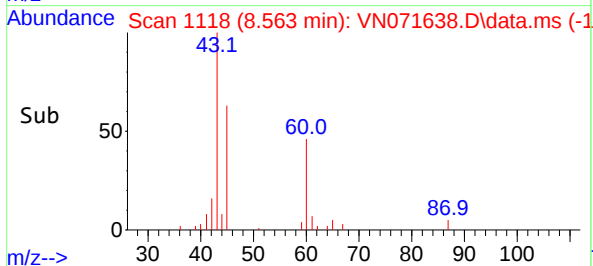
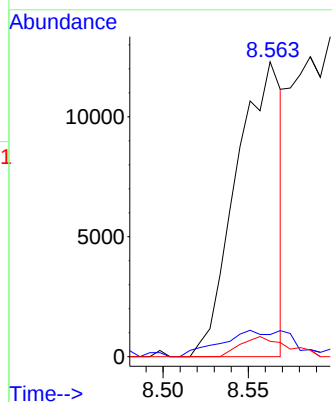
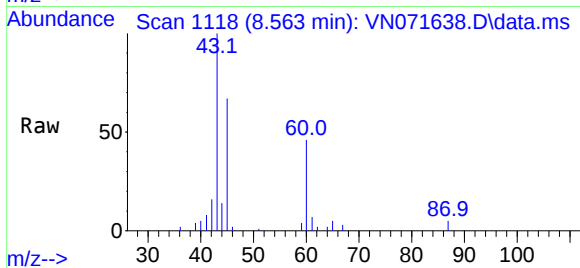
#43
Isopropyl Acetate
Concen: 1.265 ug/l
RT: 8.563 min Scan# 1116
Delta R.T. 0.012 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

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

Tgt Ion: 43 Resp: 22735
Ion Ratio Lower Upper
43 100
61 13.9 21.9 32.9
87 7.0 12.0 18.0

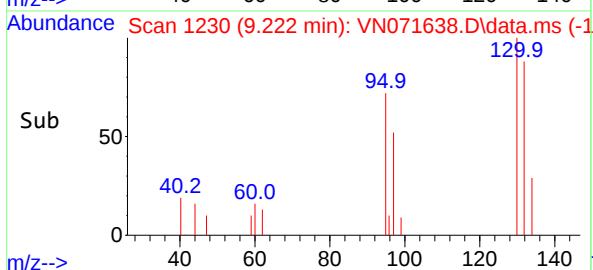
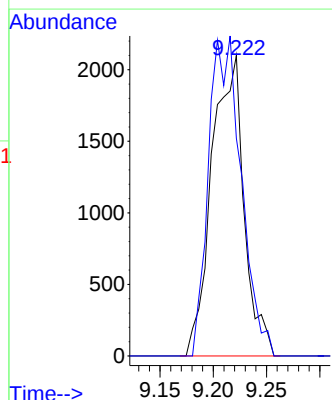
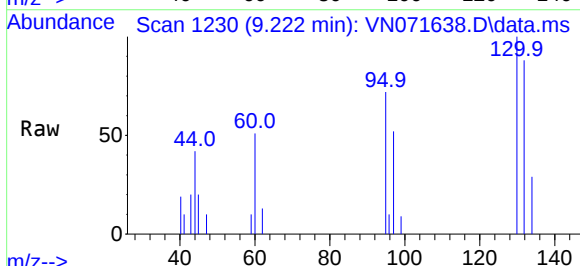
Manual Integrations
APPROVED

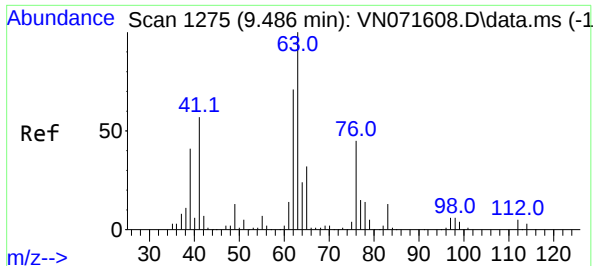
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#44
Trichloroethene
Concen: 0.590 ug/l
RT: 9.222 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

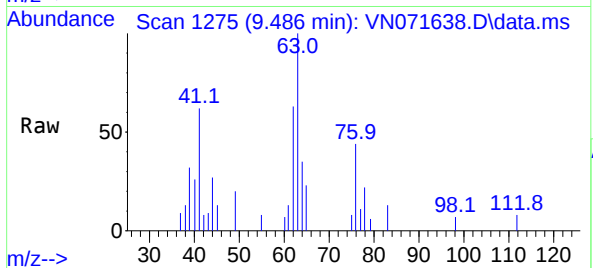
Tgt Ion:130 Resp: 4405
Ion Ratio Lower Upper
130 100
95 72.5 0.0 186.8





#45
1,2-Dichloropropane
Concen: 0.686 ug/l
RT: 9.486 min Scan# 1275
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

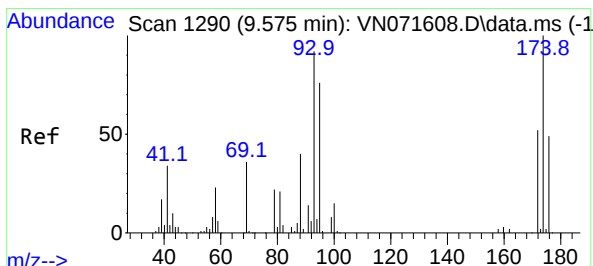
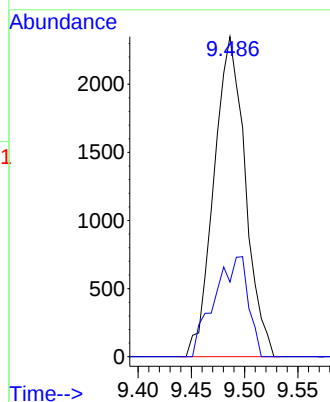
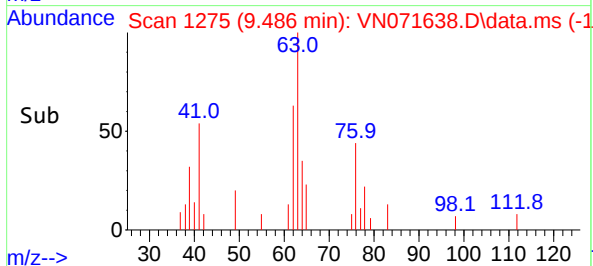
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



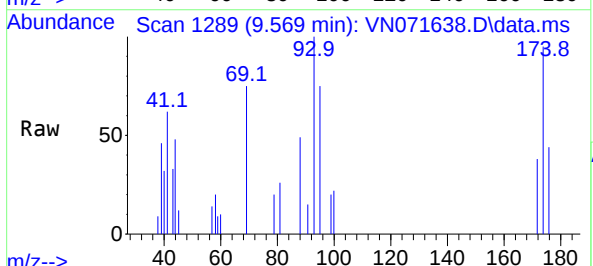
Tgt Ion: 63 Resp: 480
Ion Ratio Lower Upper
63 100
65 23.3 24.9 37.3

Manual Integrations
APPROVED

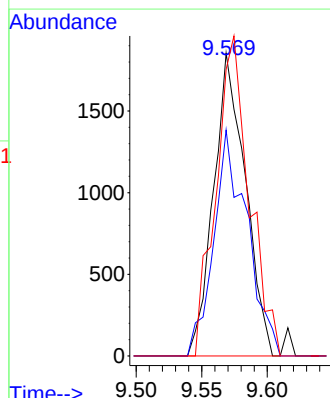
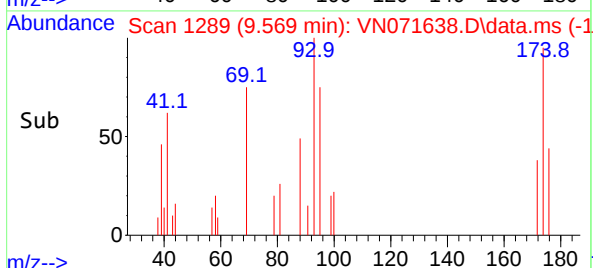
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

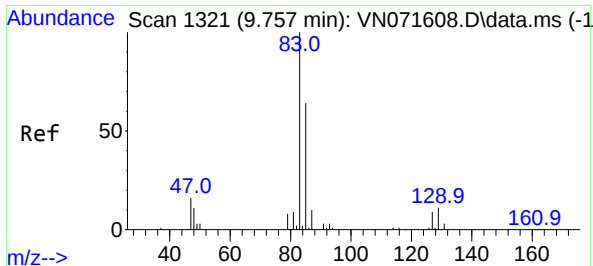


#46
Dibromomethane
Concen: 0.653 ug/l
RT: 9.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



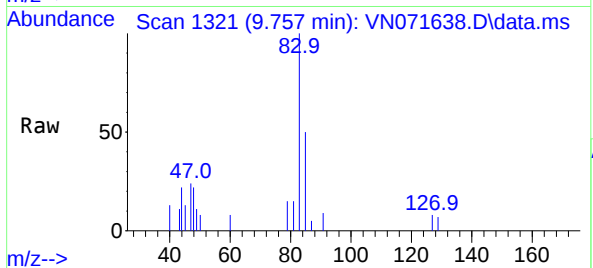
Tgt Ion: 93 Resp: 3131
Ion Ratio Lower Upper
93 100
95 78.0 66.9 100.3
174 110.4 86.6 130.0





#47
Bromodichloromethane
Concen: 0.597 ug/l
RT: 9.757 min Scan# 1321
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

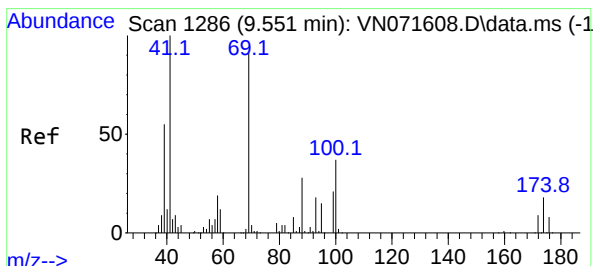
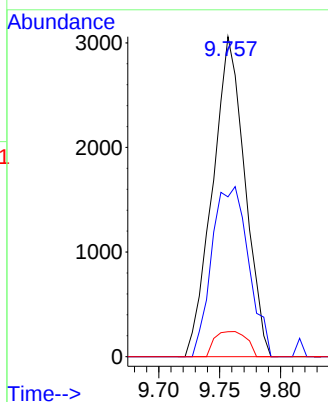
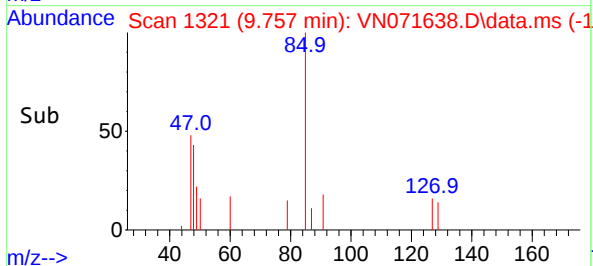
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



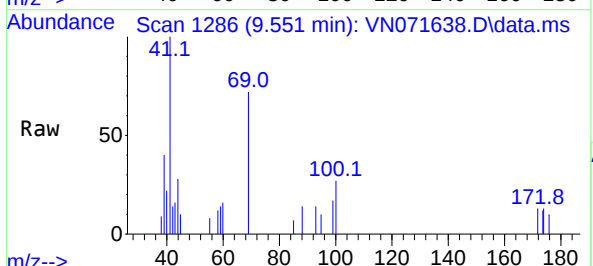
Tgt Ion: 83 Resp: 564
Ion Ratio Lower Upper
83 100
85 50.0 50.5 75.7
127 7.8 6.8 10.2

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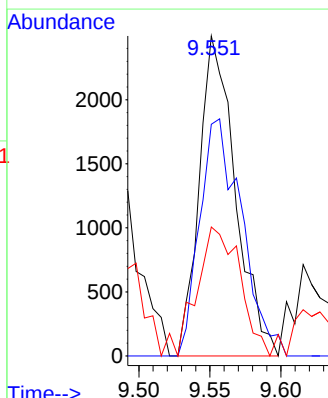
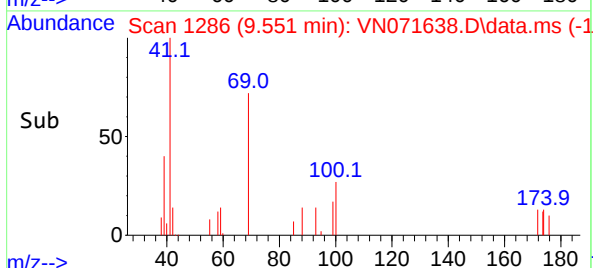
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

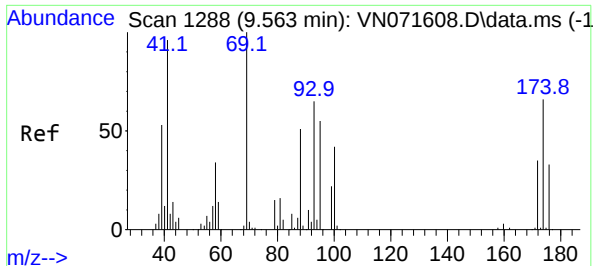


#48
Methyl methacrylate
Concen: 0.607 ug/l
RT: 9.551 min Scan# 1286
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



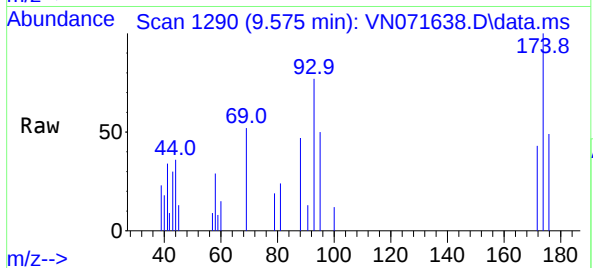
Tgt Ion: 41 Resp: 4425
Ion Ratio Lower Upper
41 100
69 85.7 74.7 112.1
39 48.4 45.6 68.4





#49
1,4-Dioxane
Concen: 11.567 ug/l
RT: 9.575 min Scan# 1288
Delta R.T. 0.011 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

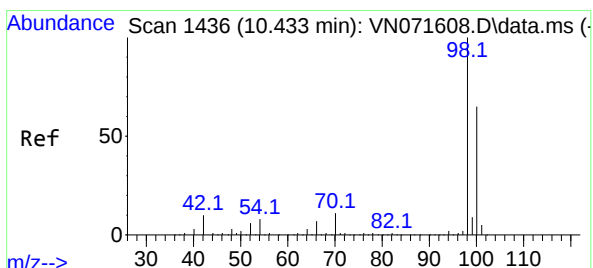
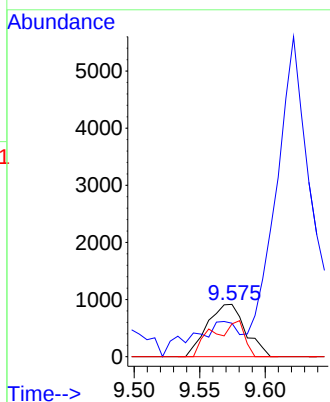
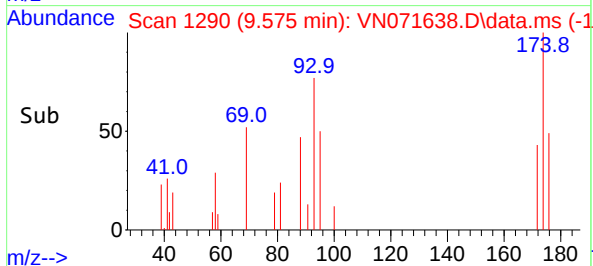
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 88 Resp: 185
Ion Ratio Lower Upper
88 100
43 80.2 20.2 30.4
58 56.8 54.2 81.4

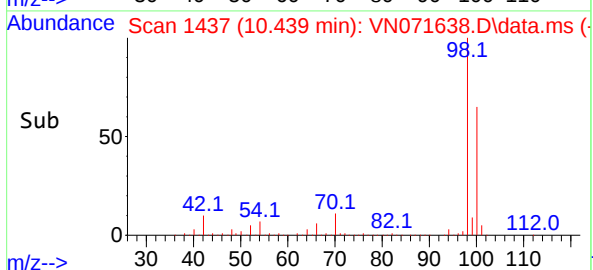
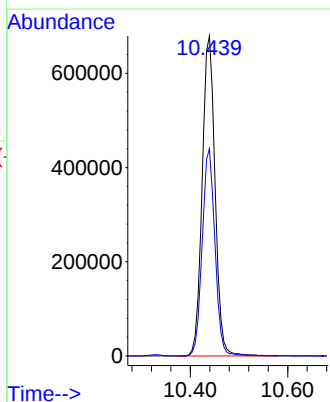
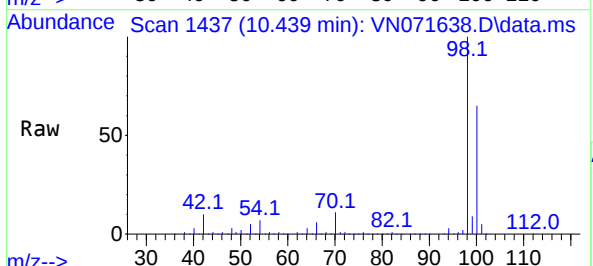
Manual Integrations
APPROVED

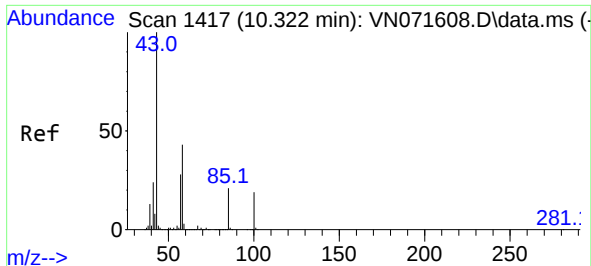
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#50
Toluene-d8
Concen: 46.863 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

Tgt Ion: 98 Resp: 1245009
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8





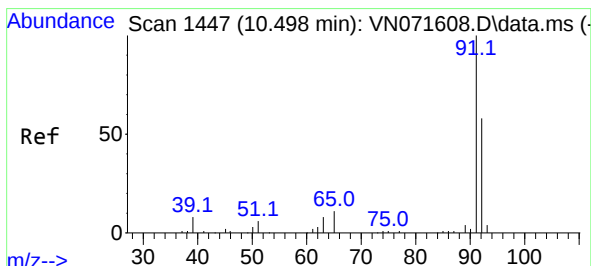
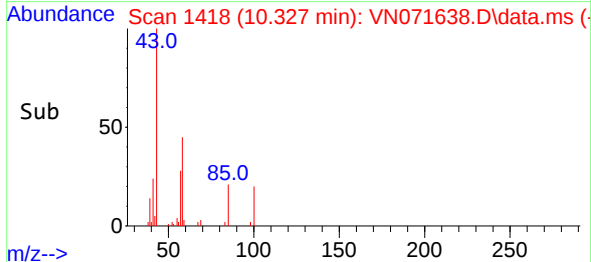
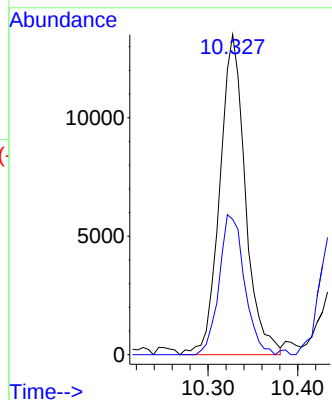
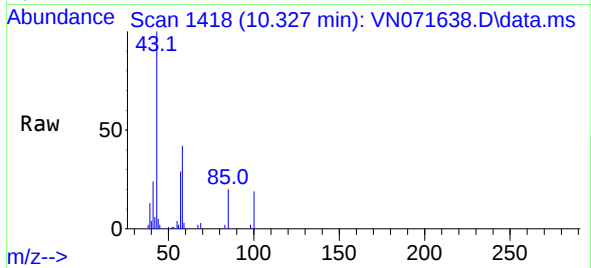
#51
4-Methyl-2-Pentanone
Concen: 2.690 ug/l
RT: 10.327 min Scan# 1417
Delta R.T. 0.005 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

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

Tgt Ion: 43 Resp: 26700
Ion Ratio Lower Upper
43 100
58 43.4 34.1 51.1

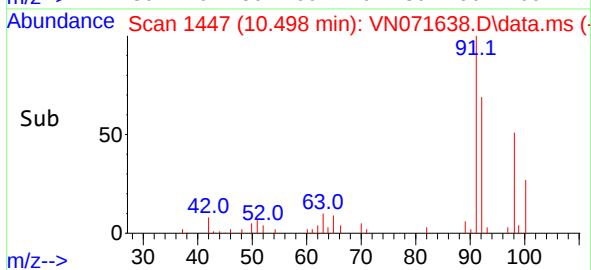
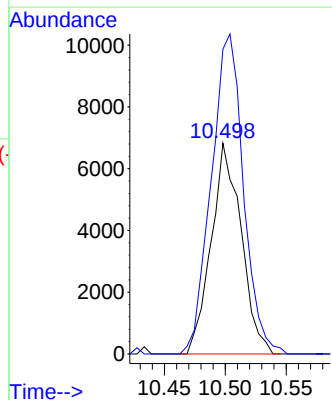
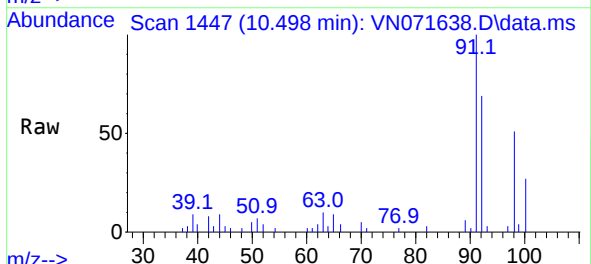
Manual Integrations
APPROVED

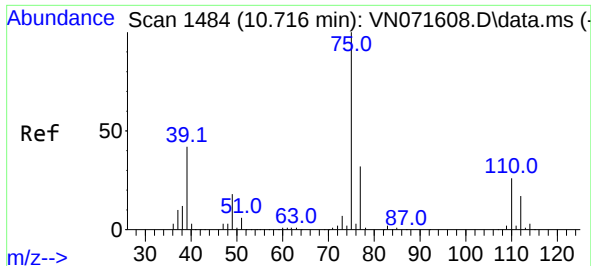
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#52
Toluene
Concen: 0.639 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

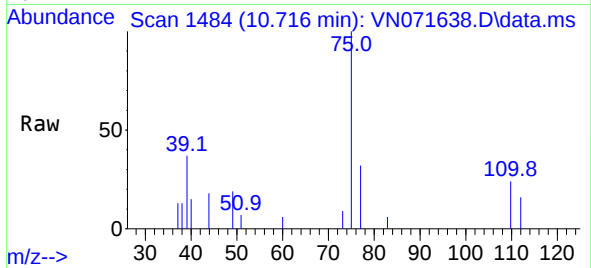
Tgt Ion: 92 Resp: 11679
Ion Ratio Lower Upper
92 100
91 163.4 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 0.540 ug/l
RT: 10.716 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

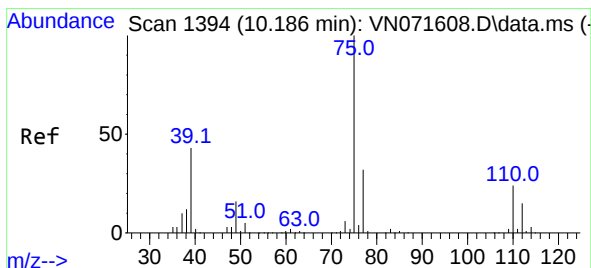
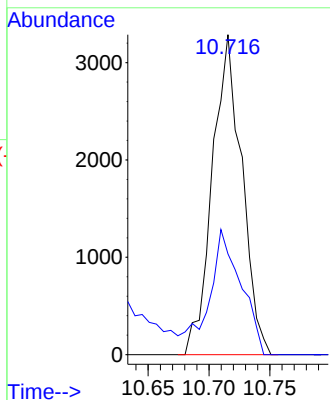
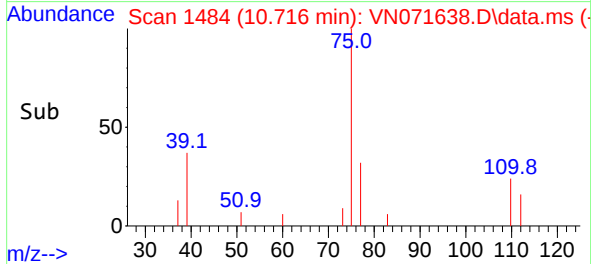
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



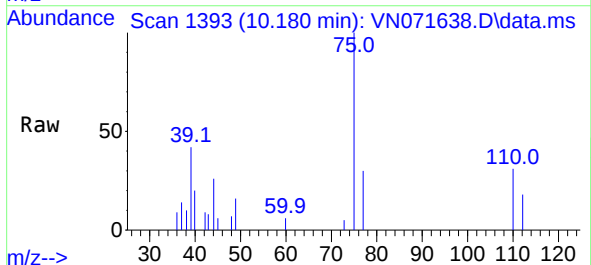
Tgt Ion: 75 Resp: 554
Ion Ratio Lower Upper
75 100
77 31.5 25.6 38.4

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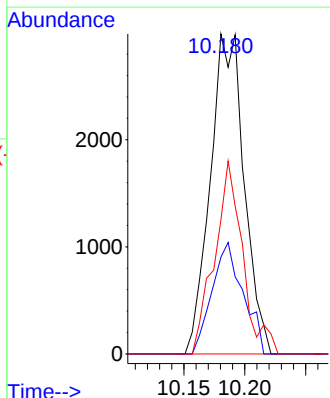
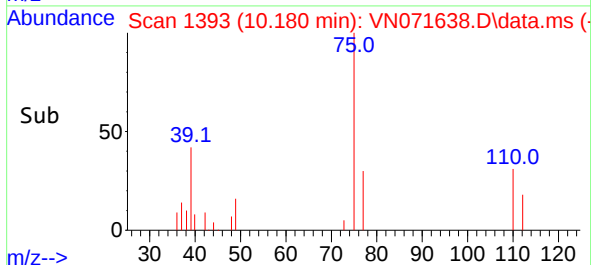
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

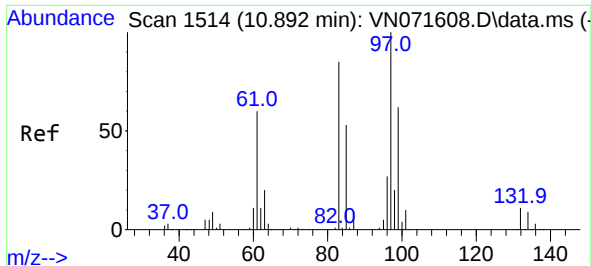


#54
cis-1,3-Dichloropropene
Concen: 0.518 ug/l
RT: 10.180 min Scan# 1393
Delta R.T. -0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



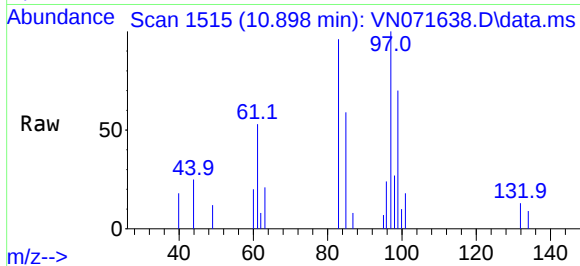
Tgt Ion: 75 Resp: 5788
Ion Ratio Lower Upper
75 100
77 30.2 25.2 37.8
39 41.9 35.7 53.5





#55
1,1,2-Trichloroethane
Concen: 0.616 ug/l
RT: 10.898 min Scan# 1515
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

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

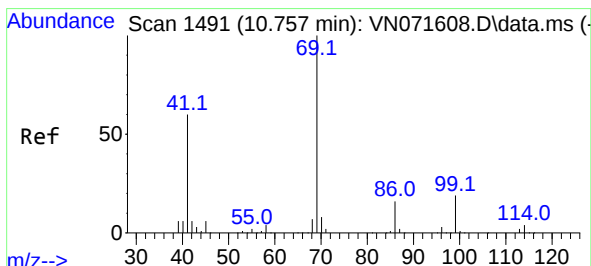
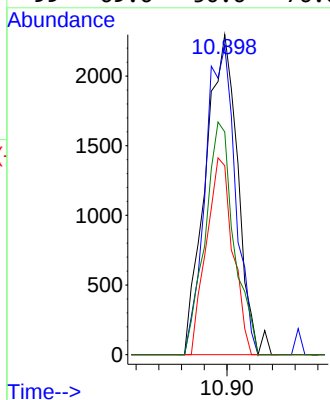
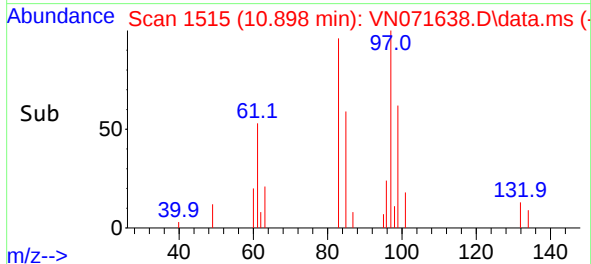


Tgt Ion: 97 Resp: 4530

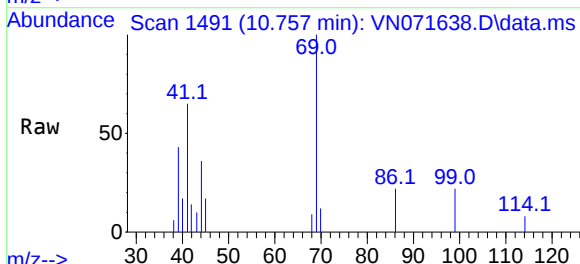
Ion	Ratio	Lower	Upper
97	100		
83	96.5	66.2	99.4
85	59.0	43.9	65.9
99	69.6	50.6	76.0

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

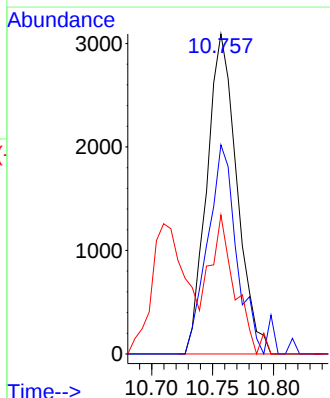
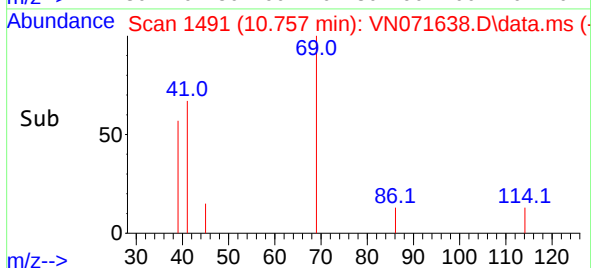


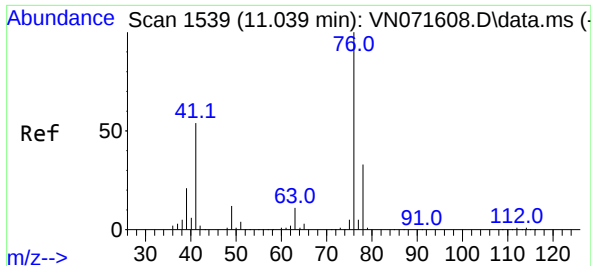
#56
Ethyl methacrylate
Concen: 0.483 ug/l
RT: 10.757 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



Tgt Ion: 69 Resp: 5311

Ion	Ratio	Lower	Upper
69	100		
41	62.5	47.8	71.6
39	36.6	27.3	40.9





#57

1,3-Dichloropropane

Concen: 0.629 ug/l

RT: 11.039 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN071638.D

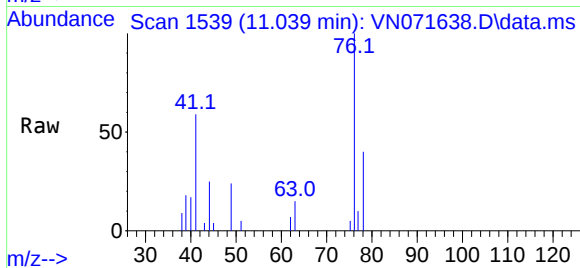
Acq: 29 Mar 2022 17:42

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022



Tgt Ion: 76 Resp: 773

Ion Ratio Lower Upper

76 100

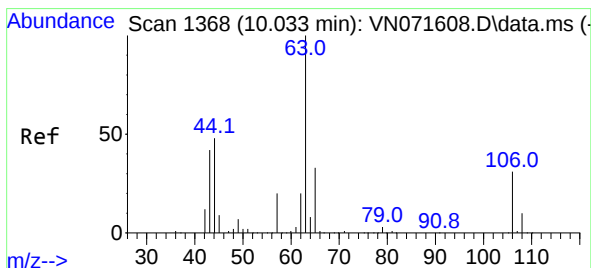
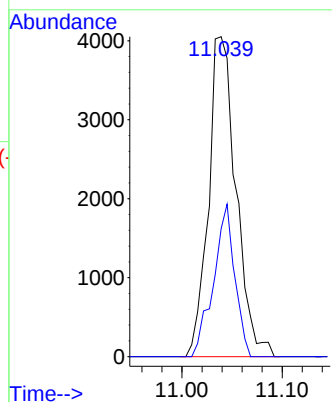
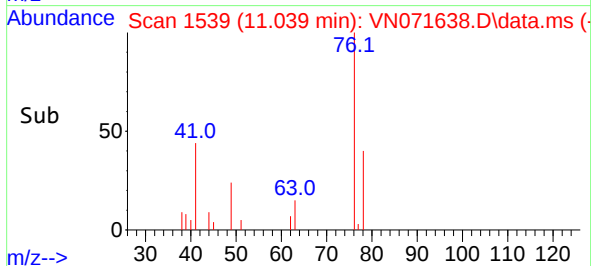
78 36.6 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/30/2022

Supervised By :Mahesh Dadoda 03/30/2022



#58

2-Chloroethyl Vinyl ether

Concen: 1.978 ug/l

RT: 10.039 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VN071638.D

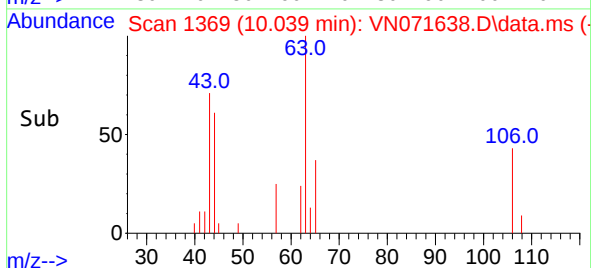
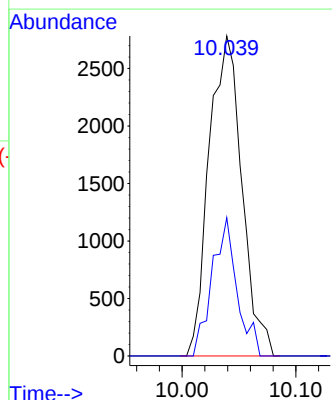
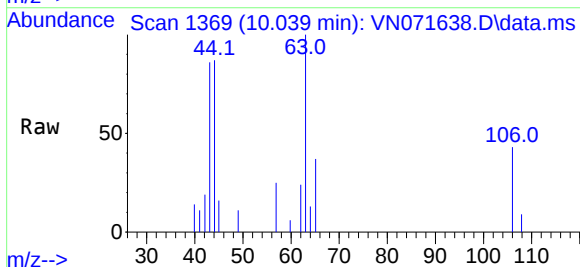
Acq: 29 Mar 2022 17:42

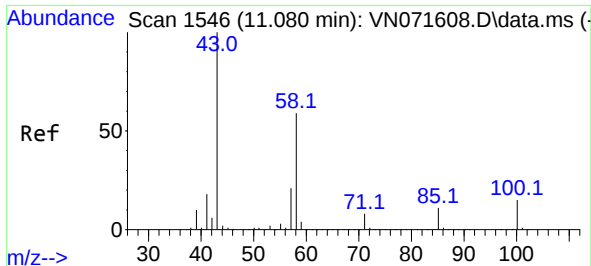
Tgt Ion: 63 Resp: 5592

Ion Ratio Lower Upper

63 100

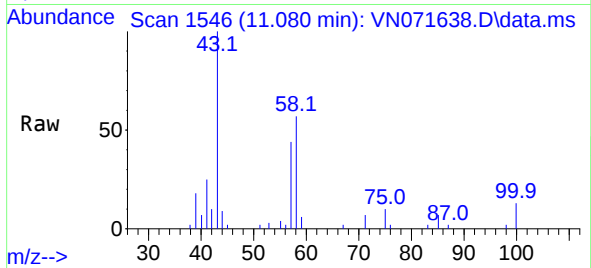
106 32.8 24.6 36.8





#59
2-Hexanone
Concen: 2.735 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

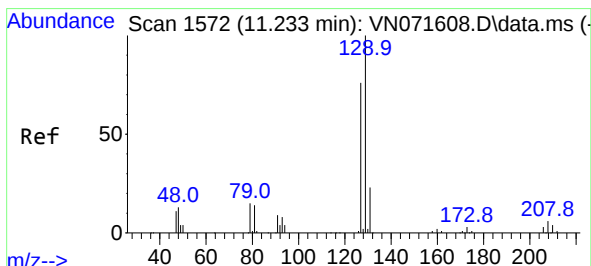
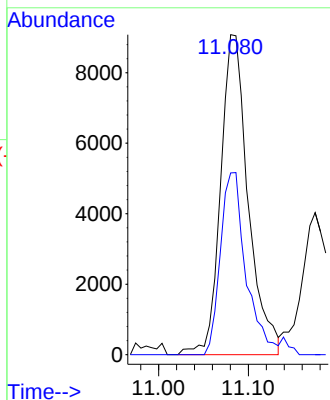
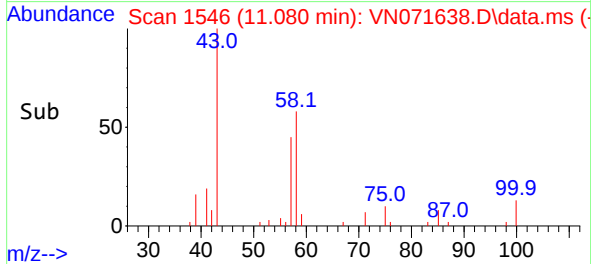
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



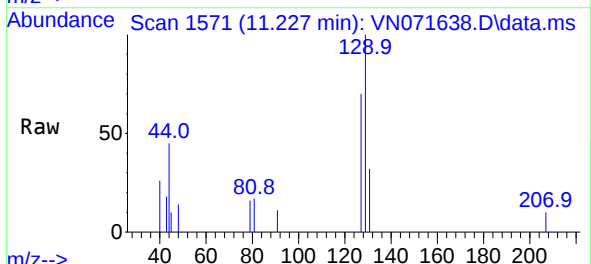
Tgt Ion: 43 Resp: 19420
Ion Ratio Lower Upper
43 100
58 52.6 29.7 89.1

Manual Integrations
APPROVED

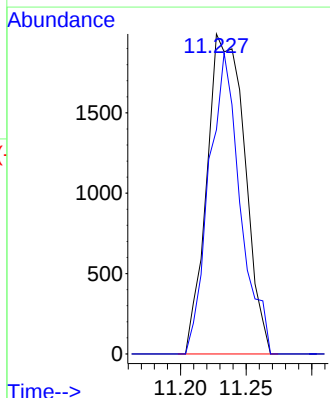
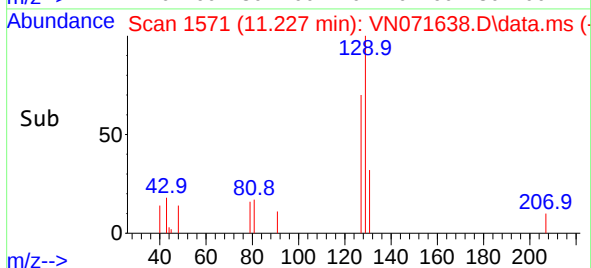
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

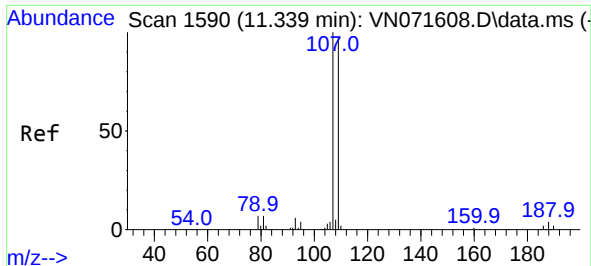


#60
Dibromochloromethane
Concen: 0.539 ug/l
RT: 11.227 min Scan# 1571
Delta R.T. -0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



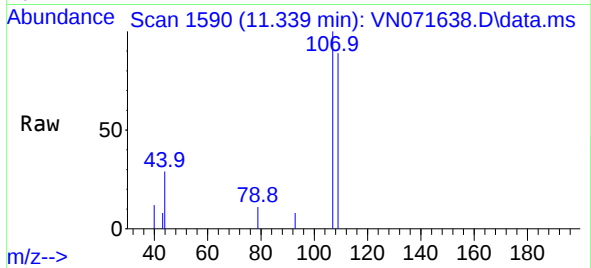
Tgt Ion:129 Resp: 3981
Ion Ratio Lower Upper
129 100
127 78.5 38.8 116.4





#61
1,2-Dibromoethane
Concen: 0.601 ug/l
RT: 11.339 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

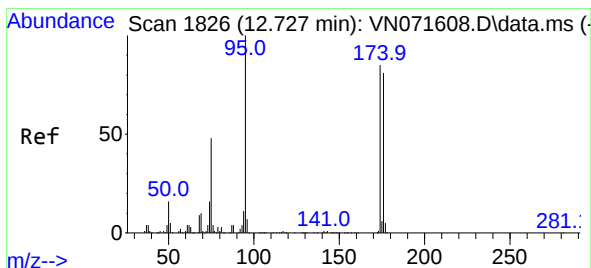
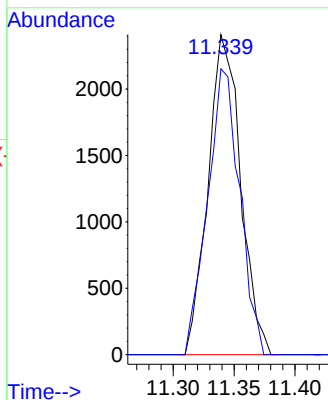
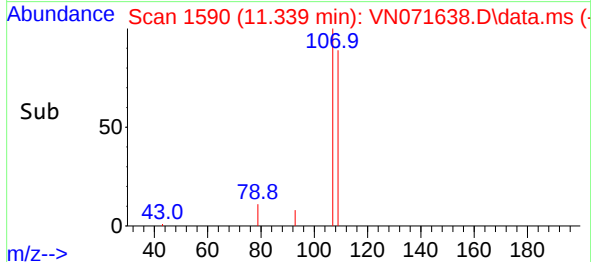
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



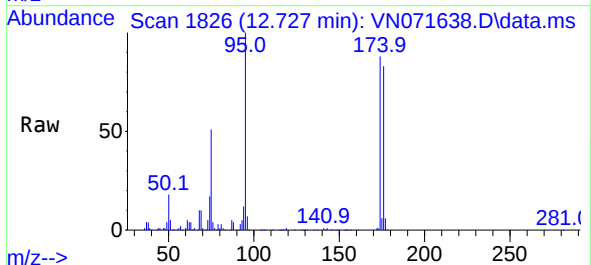
Tgt Ion:107 Resp: 4480
Ion Ratio Lower Upper
107 100
109 88.3 75.0 112.6

Manual Integrations
APPROVED

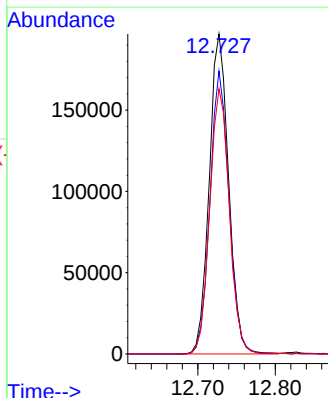
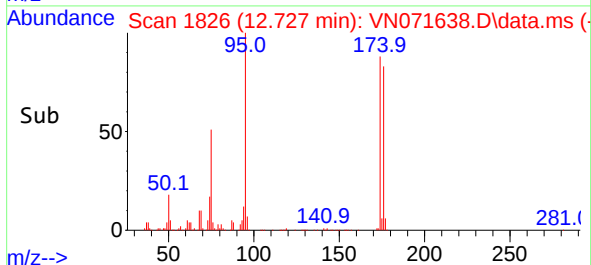
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

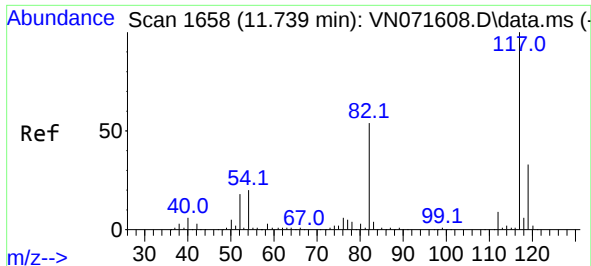


#62
4-Bromofluorobenzene
Concen: 39.460 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



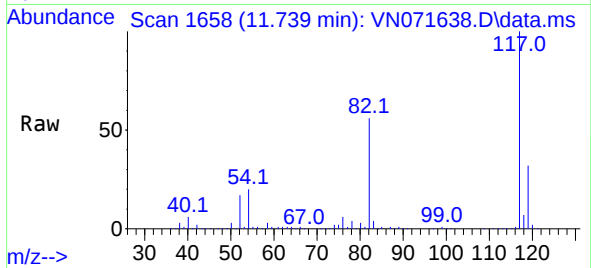
Tgt Ion: 95 Resp: 341988
Ion Ratio Lower Upper
95 100
174 87.1 0.0 167.6
176 83.4 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

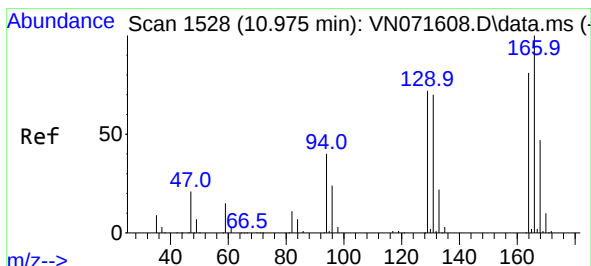
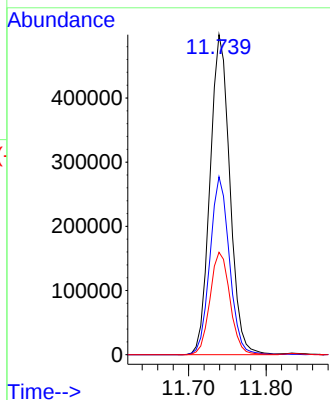
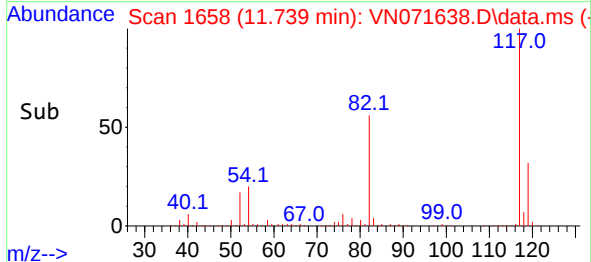
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



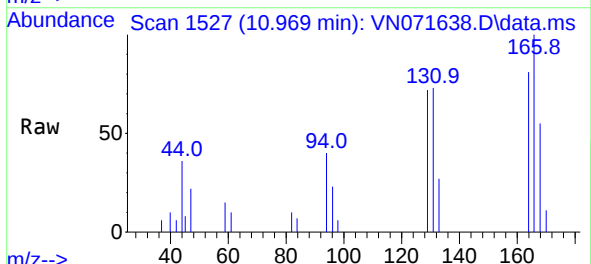
Tgt Ion:117 Resp: 88596
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 32.0 25.4 38.0

Manual Integrations
APPROVED

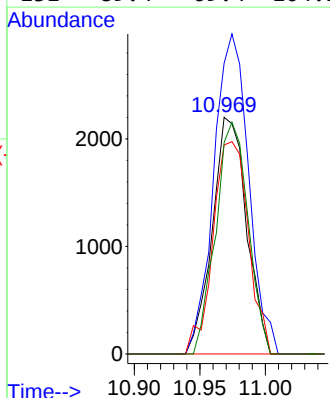
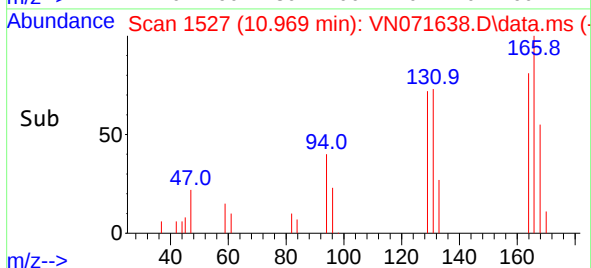
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

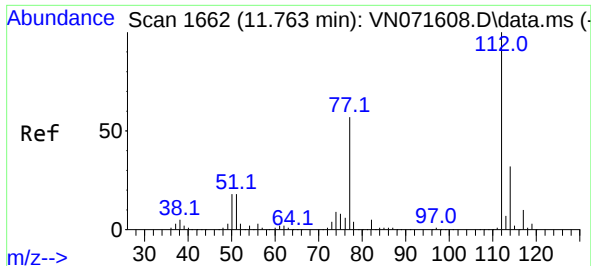


#64
Tetrachloroethene
Concen: 0.652 ug/l
RT: 10.969 min Scan# 1527
Delta R.T. -0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



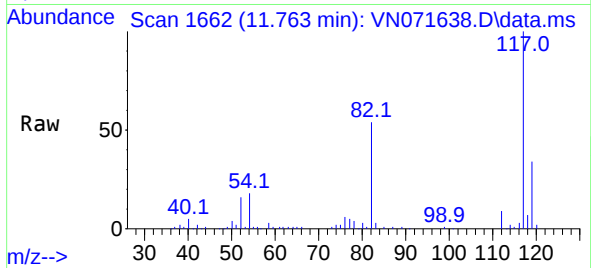
Tgt Ion:164 Resp: 4000
Ion Ratio Lower Upper
164 100
166 122.9 104.2 156.2
129 88.3 73.9 110.9
131 89.4 69.4 104.2





#65
Chlorobenzene
Concen: 0.690 ug/l
RT: 11.763 min Scan# 1662
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

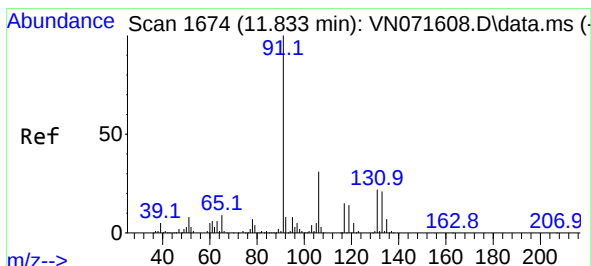
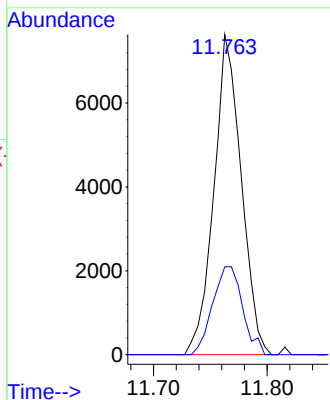
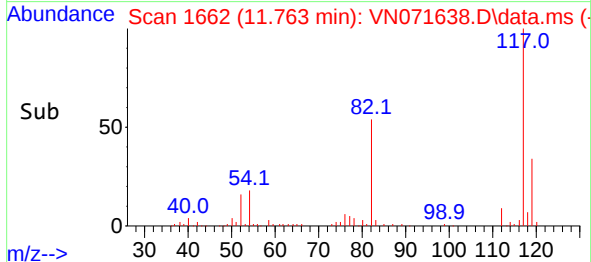
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



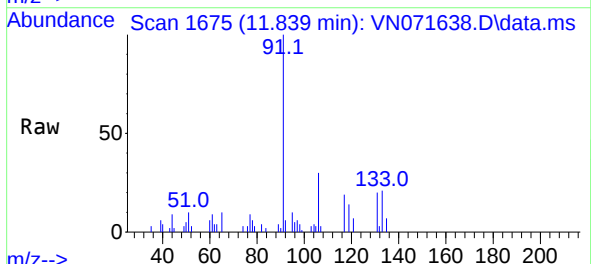
Tgt Ion:112 Resp: 12760
Ion Ratio Lower Upper
112 100
114 27.5 25.4 38.2

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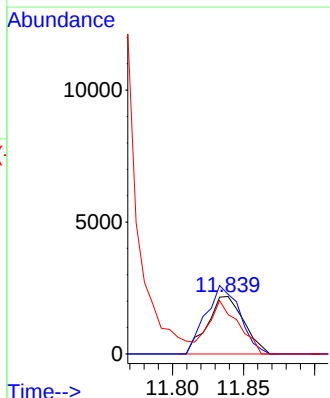
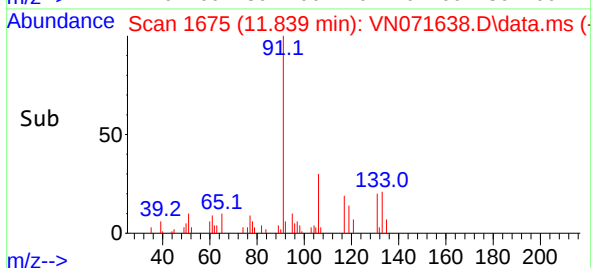
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

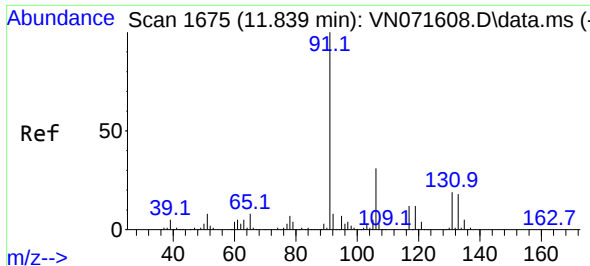


#66
1,1,1,2-Tetrachloroethane
Concen: 0.582 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



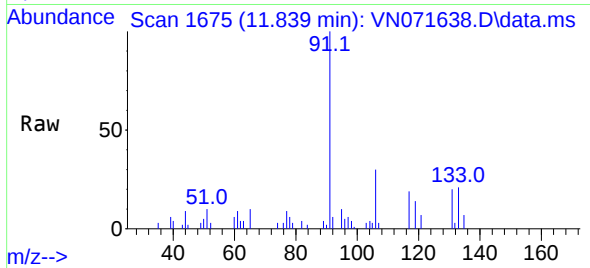
Tgt Ion:131 Resp: 3861
Ion Ratio Lower Upper
131 100
133 112.1 47.8 143.4
119 0.0 33.4 100.2#





#67
Ethyl Benzene
Concen: 0.556 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

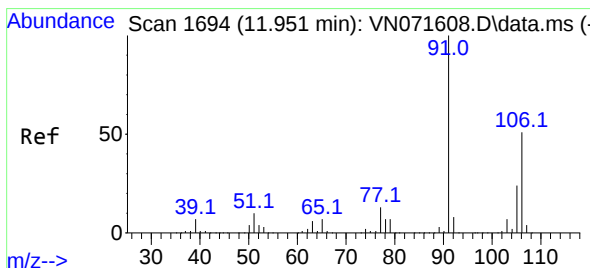
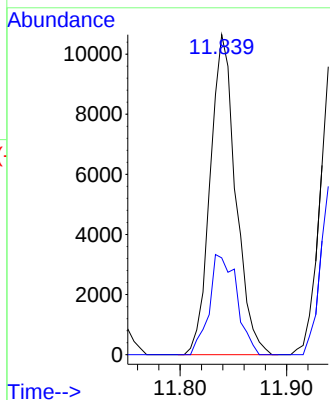
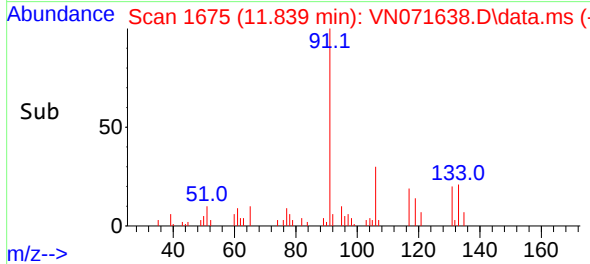
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



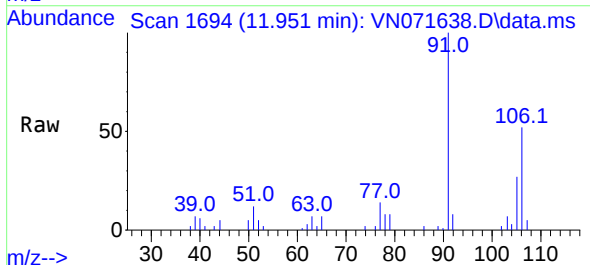
Tgt Ion: 91 Resp: 17734
Ion Ratio Lower Upper
91 100
106 30.3 24.9 37.3

Manual Integrations
APPROVED

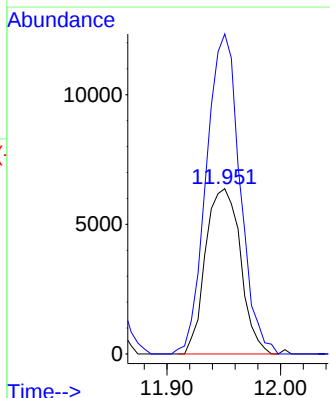
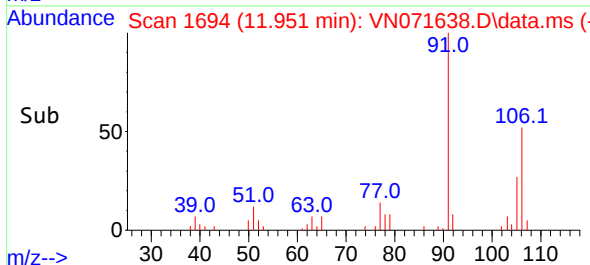
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

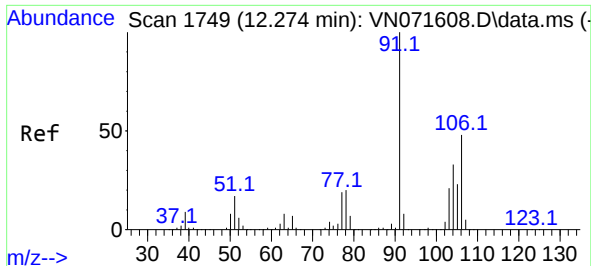


#68
m/p-Xylenes
Concen: 1.122 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



Tgt Ion:106 Resp: 13603
Ion Ratio Lower Upper
106 100
91 186.9 158.9 238.3





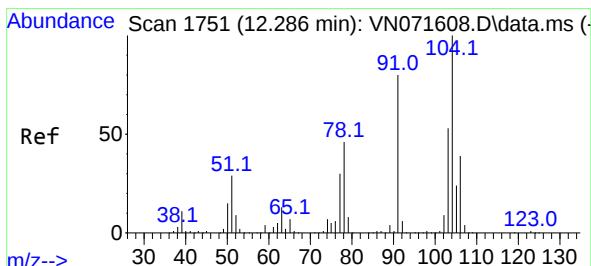
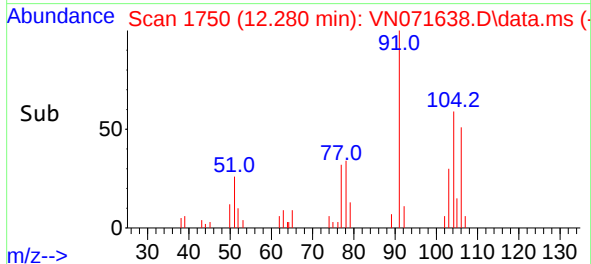
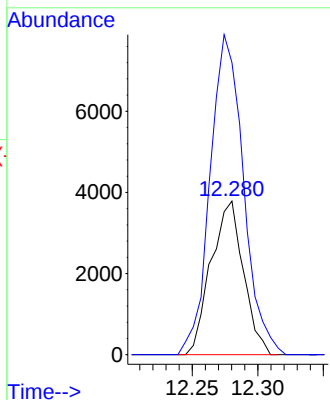
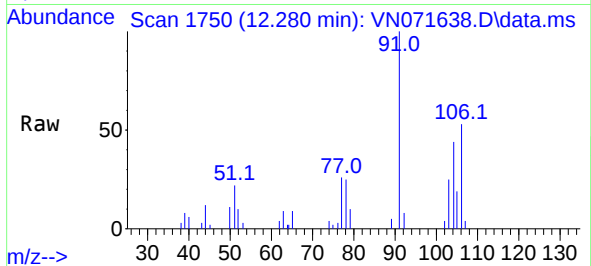
#69
o-Xylene
Concen: 0.534 ug/l
RT: 12.280 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

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

Tgt Ion:106 Resp: 6509
Ion Ratio Lower Upper
106 100
91 214.5 106.0 318.0

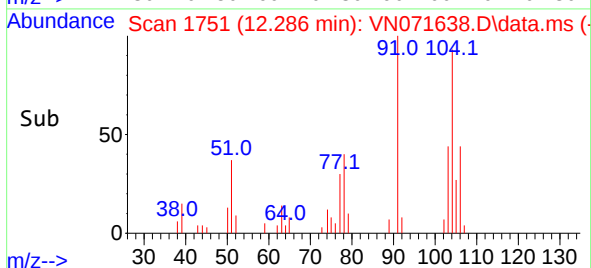
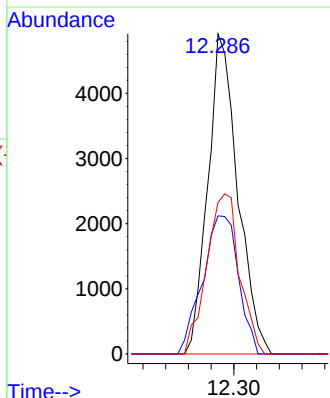
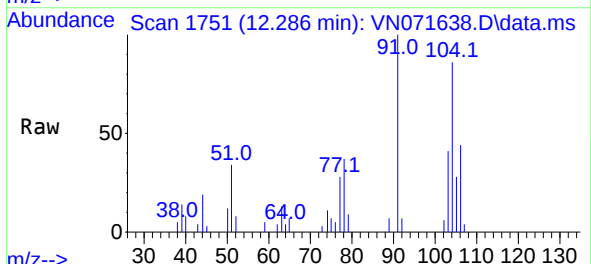
Manual Integrations
APPROVED

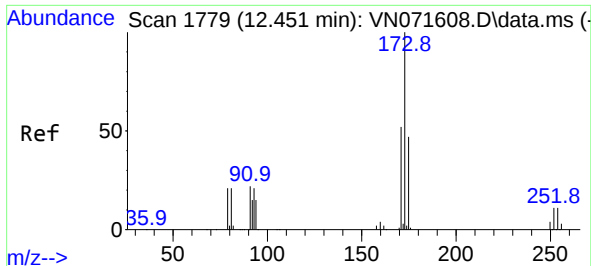
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#70
Styrene
Concen: 0.482 ug/l
RT: 12.286 min Scan# 1751
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

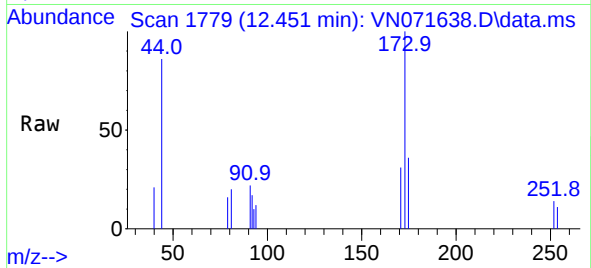
Tgt Ion:104 Resp: 8965
Ion Ratio Lower Upper
104 100
78 51.8 39.5 59.3
103 55.1 44.0 66.0





#71
Bromoform
Concen: 0.513 ug/l
RT: 12.451 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

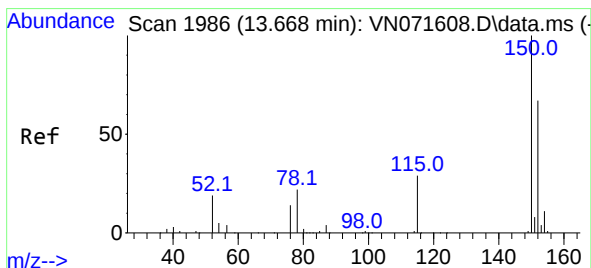
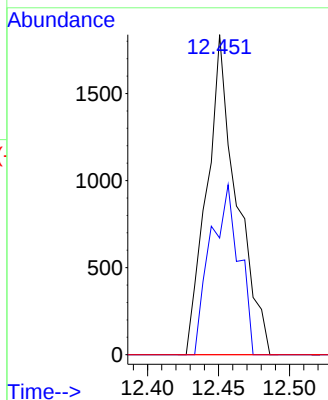
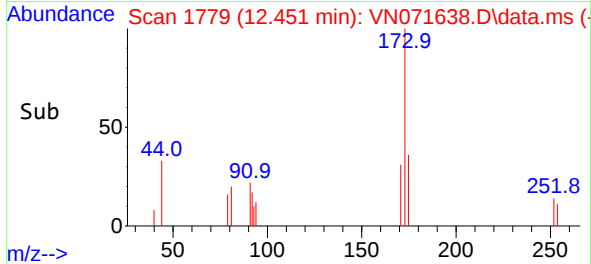
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



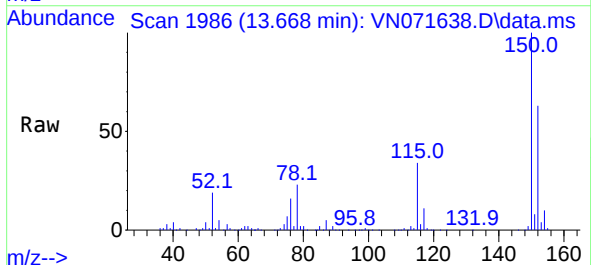
Tgt Ion:173 Resp: 2680
Ion Ratio Lower Upper
173 100
175 51.2 24.6 73.6
254 0.0 0.1 0.1

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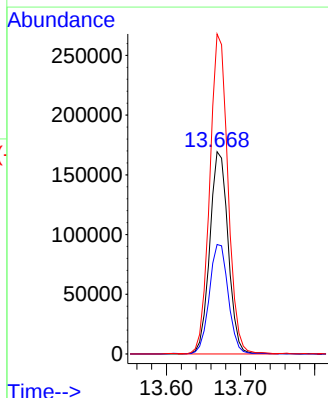
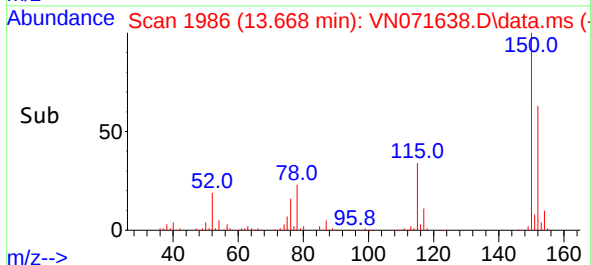
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

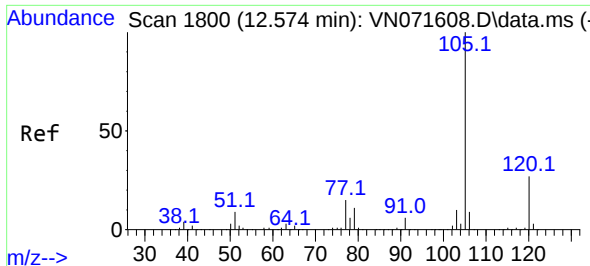


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



Tgt Ion:152 Resp: 291817
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.7
150 155.6 0.0 356.2





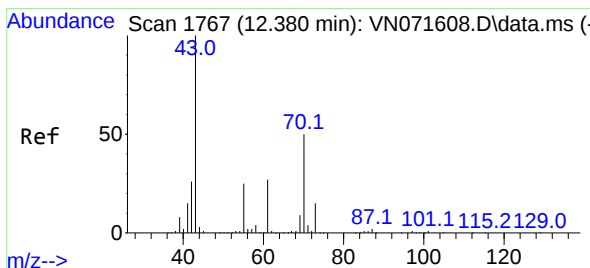
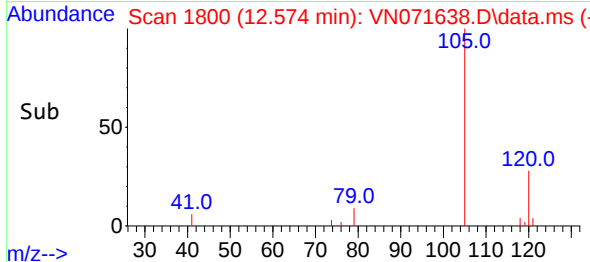
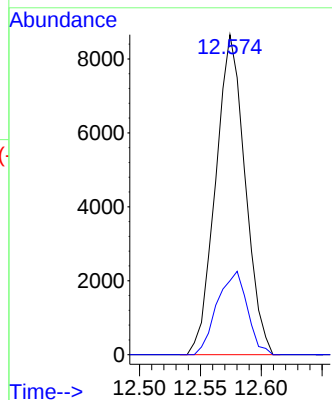
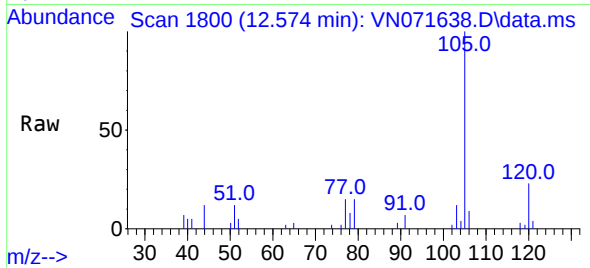
#73
Isopropylbenzene
Concen: 0.572 ug/l
RT: 12.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

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

Tgt Ion:105 Resp: 1459
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.4

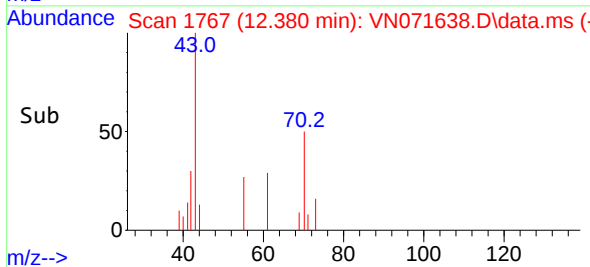
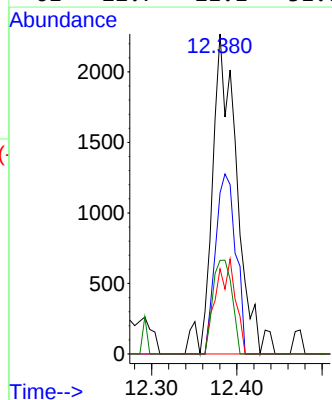
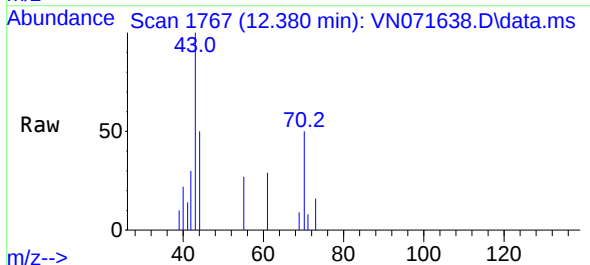
Manual Integrations
APPROVED

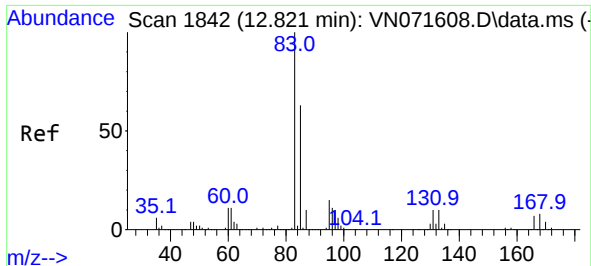
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#74
N-ethyl acetate
Concen: 0.589 ug/l
RT: 12.380 min Scan# 1767
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

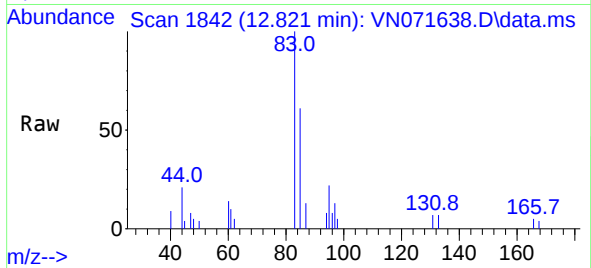
Tgt Ion: 43 Resp: 4563
Ion Ratio Lower Upper
43 100
70 46.3 39.0 58.4
55 23.6 21.1 31.7
61 22.7 21.1 31.7





#75
1,1,2,2-Tetrachloroethane
Concen: 0.769 ug/l
RT: 12.821 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

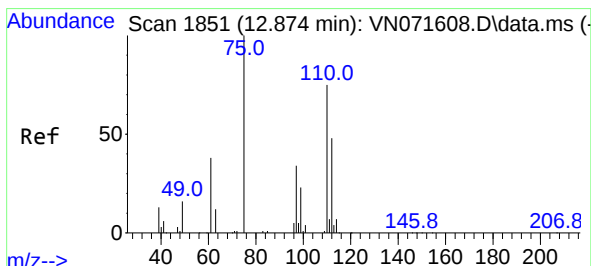
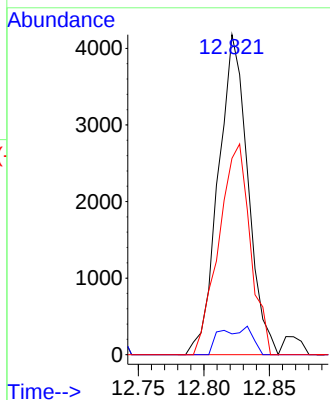
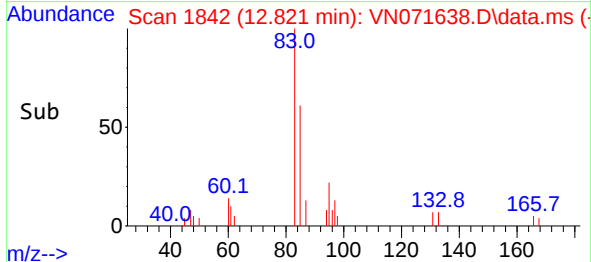
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



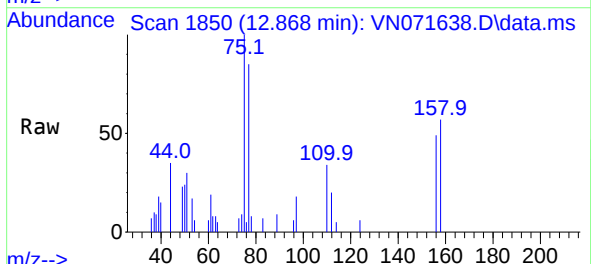
Tgt Ion: 83 Resp: 657
Ion Ratio Lower Upper
83 100
131 4.8 5.3 15.9
85 69.7 32.3 96.9

Manual Integrations
APPROVED

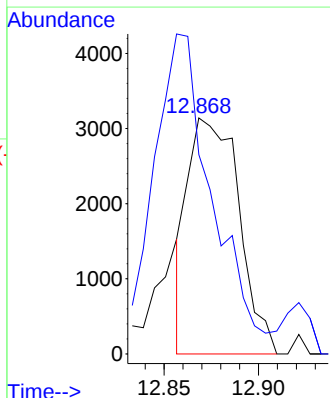
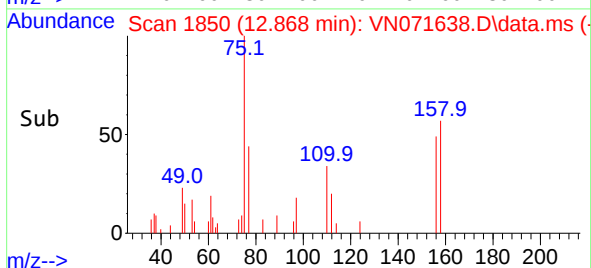
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

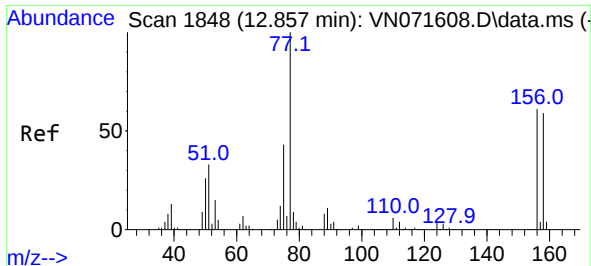


#76
1,2,3-Trichloropropane
Concen: 0.840 ug/l m
RT: 12.868 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



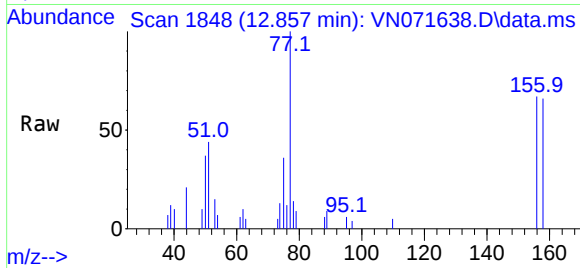
Tgt Ion: 75 Resp: 5887
Ion Ratio Lower Upper
75 100
77 156.0 98.5 295.5





#77
Bromobenzene
Concen: 0.681 ug/l
RT: 12.857 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

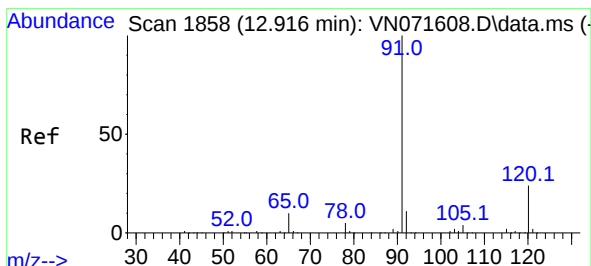
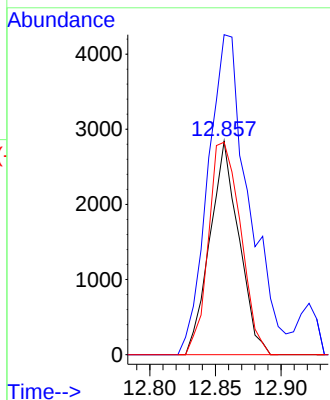
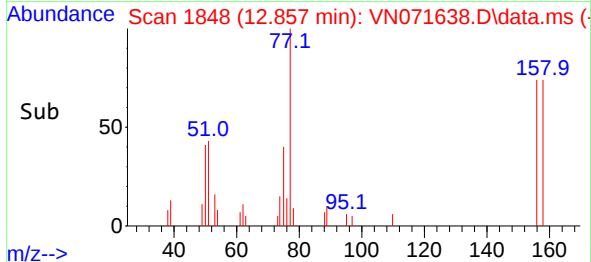
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



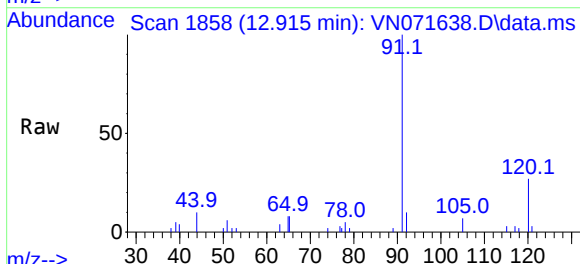
Tgt Ion:156 Resp: 437
Ion Ratio Lower Upper
156 100
77 210.0 100.5 301.5
158 110.6 48.9 146.6

Manual Integrations
APPROVED

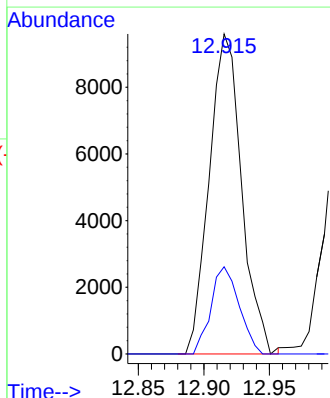
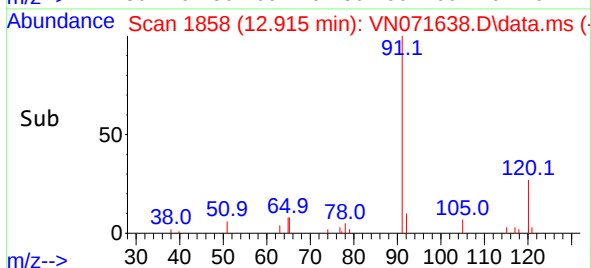
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

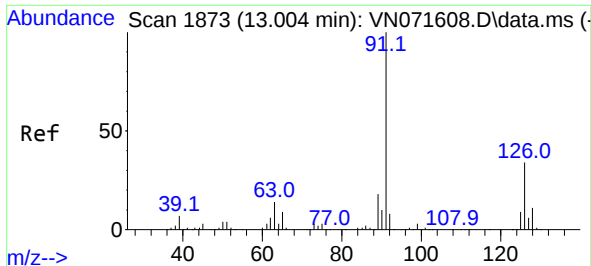


#78
n-propylbenzene
Concen: 0.598 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



Tgt Ion: 91 Resp: 16467
Ion Ratio Lower Upper
91 100
120 23.7 11.9 35.5





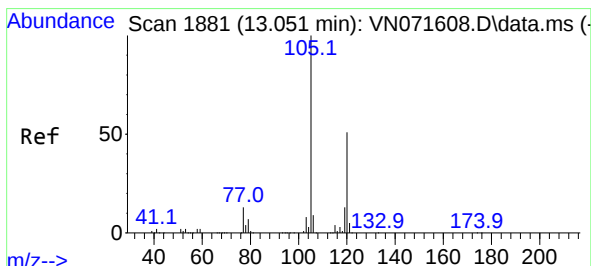
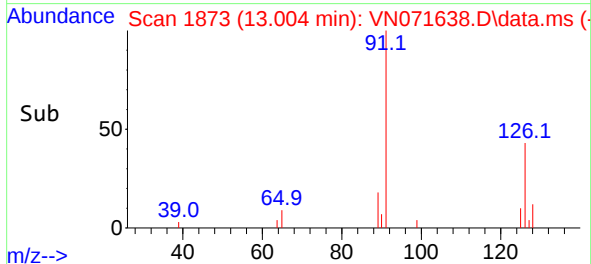
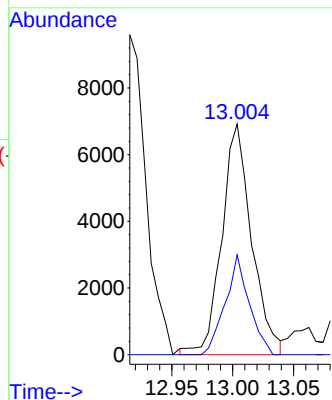
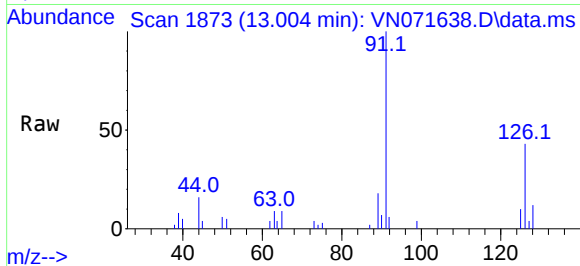
#79
2-Chlorotoluene
Concen: 0.684 ug/l
RT: 13.004 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

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

Tgt Ion: 91 Resp: 1179
Ion Ratio Lower Upper
91 100
126 34.8 17.3 51.9

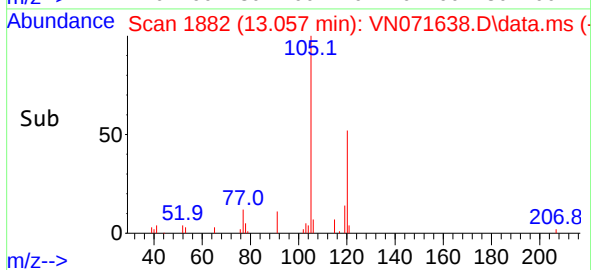
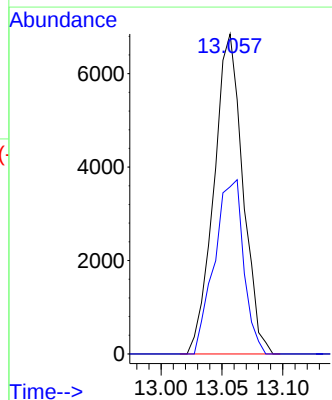
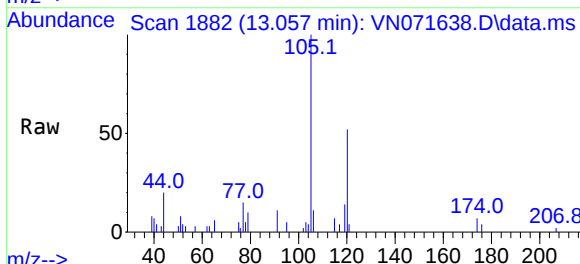
Manual Integrations
APPROVED

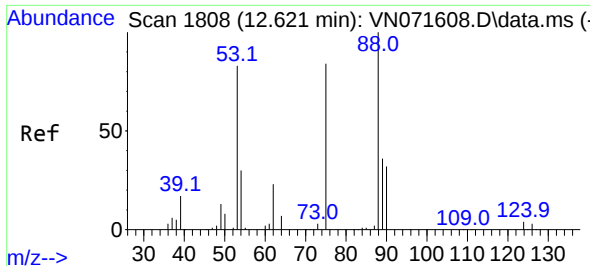
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#80
1,3,5-Trimethylbenzene
Concen: 0.562 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

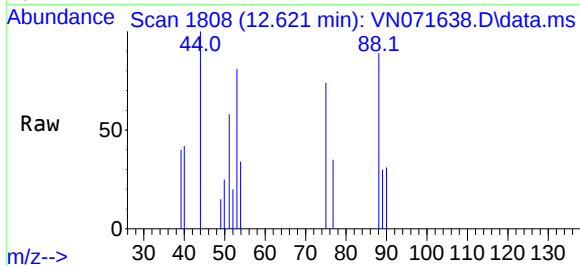
Tgt Ion:105 Resp: 11324
Ion Ratio Lower Upper
105 100
120 54.9 24.9 74.7





#81
trans-1,4-Dichloro-2-butene
Concen: 0.563 ug/l m
RT: 12.621 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

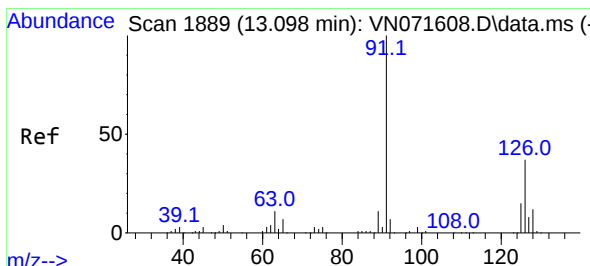
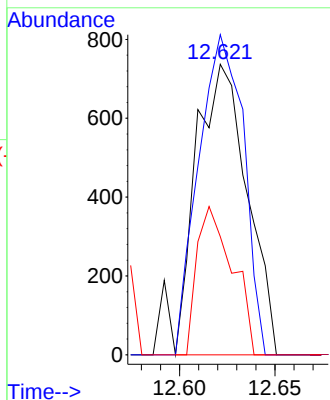
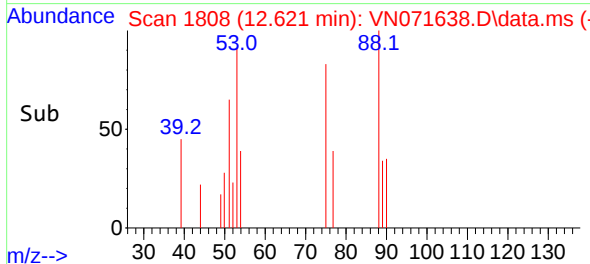
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



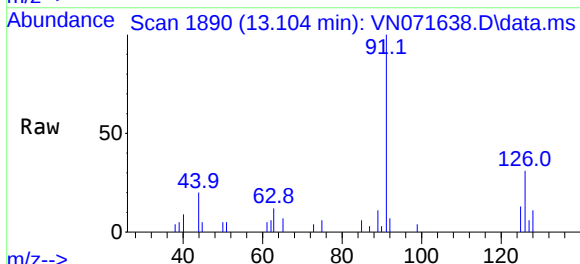
Tgt Ion: 75 Resp: 136
Ion Ratio Lower Upper
75 100
53 11.0 78.0 117.0
89 0.0 37.2 55.8

Manual Integrations
APPROVED

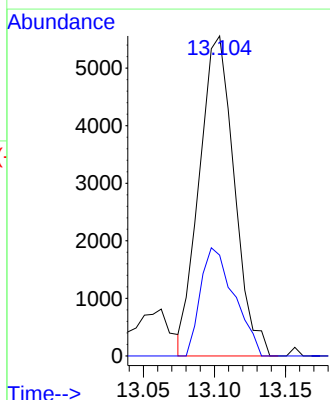
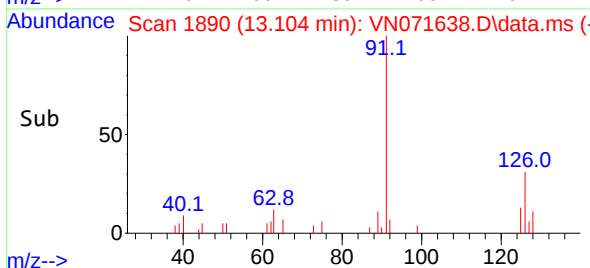
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

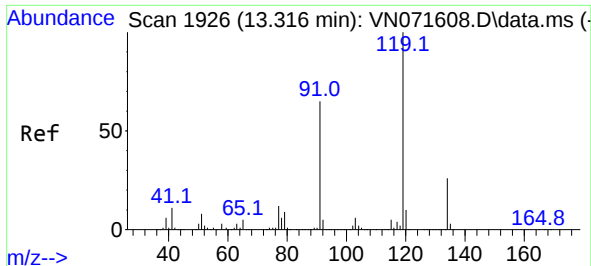


#82
4-Chlorotoluene
Concen: 0.592 ug/l
RT: 13.104 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



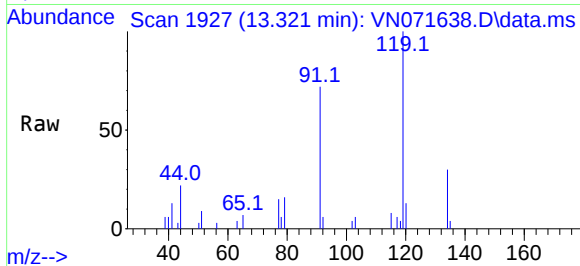
Tgt Ion: 91 Resp: 9519
Ion Ratio Lower Upper
91 100
126 32.7 17.2 51.6





#83
tert-Butylbenzene
Concen: 0.593 ug/l
RT: 13.321 min Scan# 1926
Delta R.T. 0.005 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

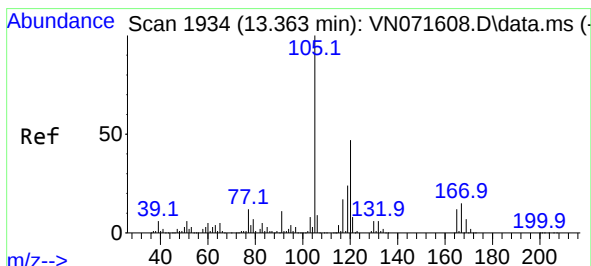
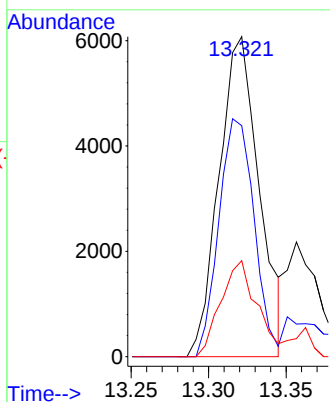
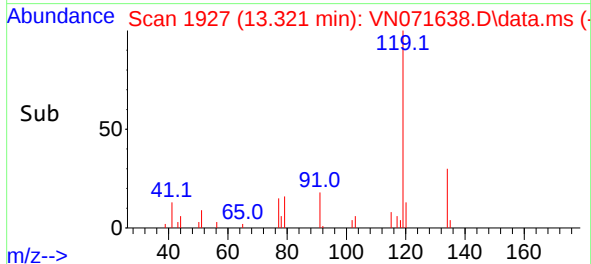
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



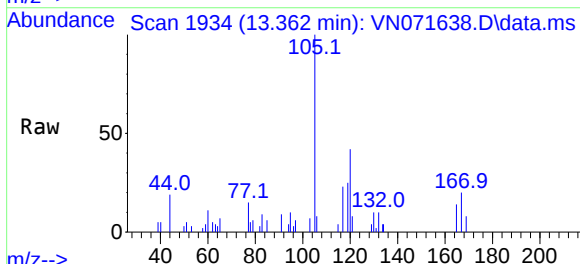
Tgt Ion:119 Resp: 1096
Ion Ratio Lower Upper
119 100
91 65.2 31.6 94.8
134 26.9 13.7 41.1

Manual Integrations
APPROVED

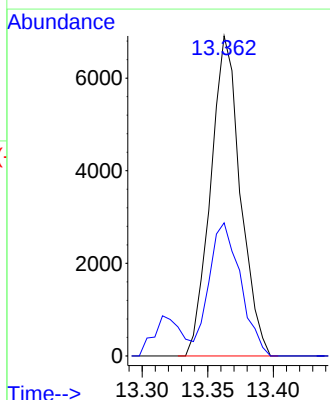
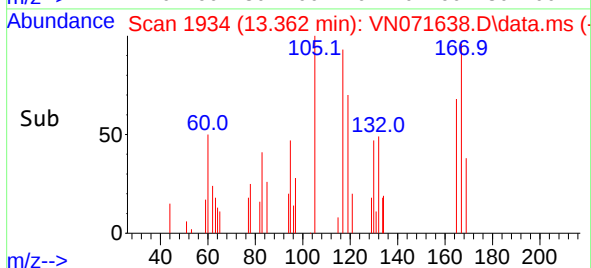
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

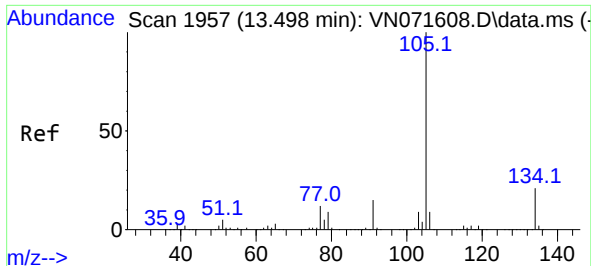


#84
1,2,4-Trimethylbenzene
Concen: 0.553 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.001 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



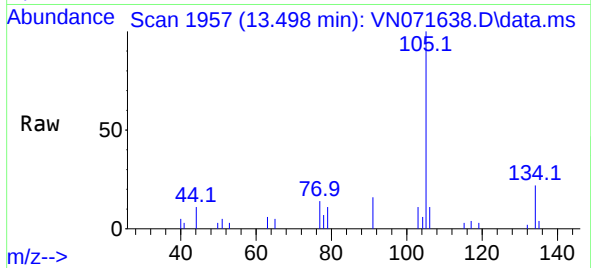
Tgt Ion:105 Resp: 10912
Ion Ratio Lower Upper
105 100
120 43.7 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 0.519 ug/l
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN071638.D
 Acq: 29 Mar 2022 17:42

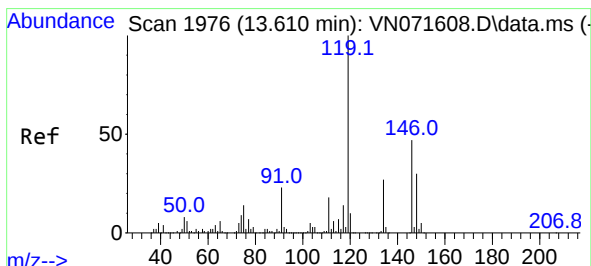
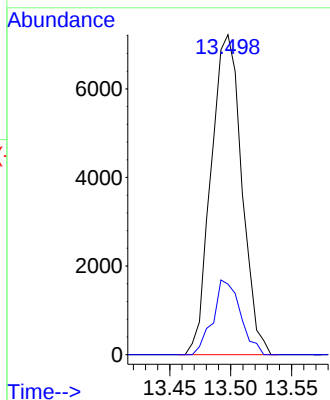
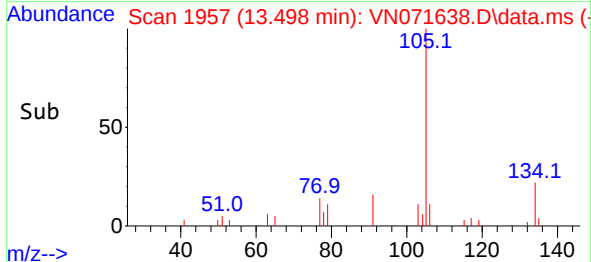
Instrument : MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2022



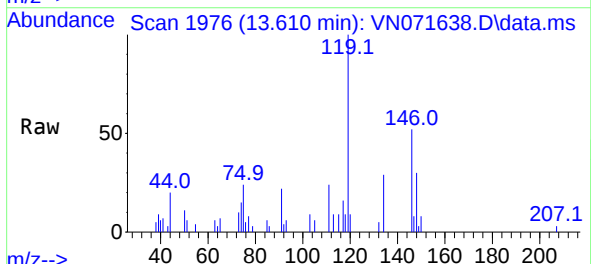
Tgt Ion:105 Resp: 12680
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.1

Manual Integrations
 APPROVED

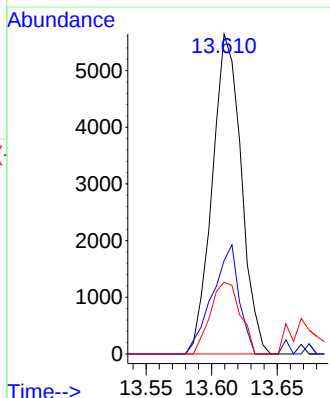
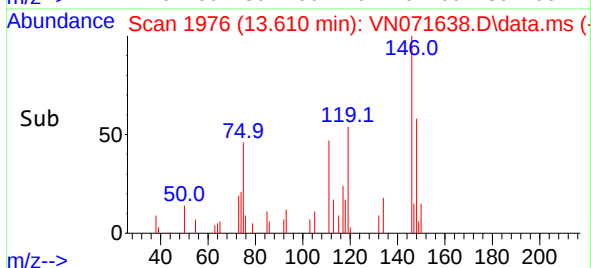
Reviewed By :John Carlone 03/30/2022
 Supervised By :Mahesh Dadoda 03/30/2022

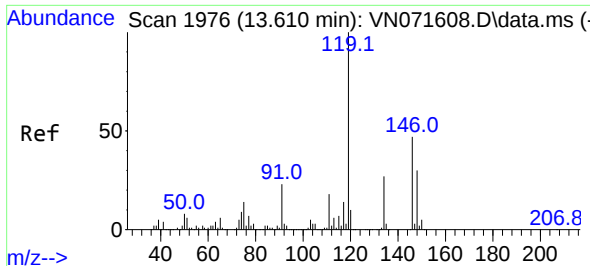


#86
 p-Isopropyltoluene
 Concen: 0.445 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VN071638.D
 Acq: 29 Mar 2022 17:42



Tgt Ion:119 Resp: 8648
 Ion Ratio Lower Upper
 119 100
 134 31.5 13.3 39.8
 91 23.2 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 0.623 ug/l

RT: 13.615 min Scan# 1976

Delta R.T. 0.005 min

Lab File: VN071638.D

Acq: 29 Mar 2022 17:42

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022

Tgt Ion:146 Resp: 6459

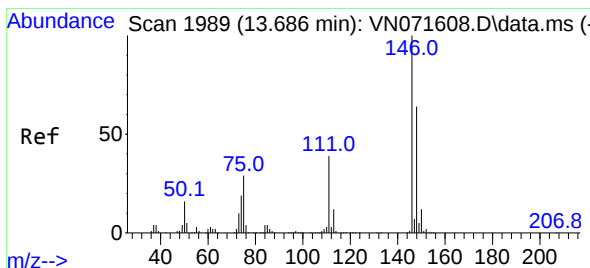
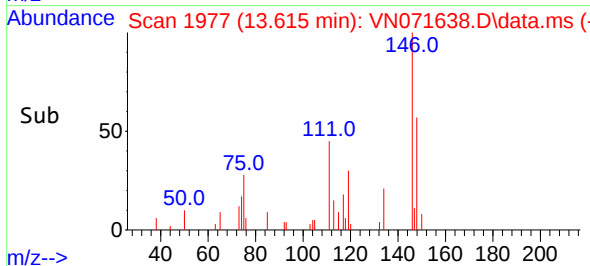
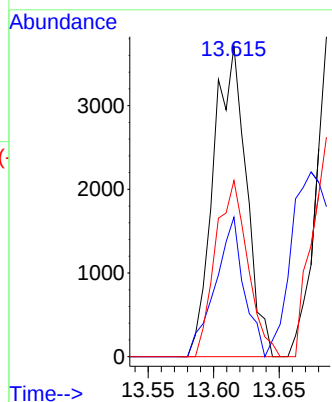
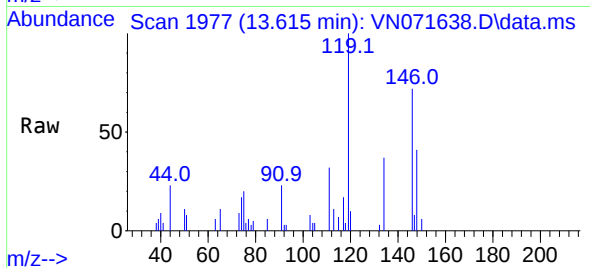
Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.0	60.0
148	55.7	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/30/2022

Supervised By :Mahesh Dadoda 03/30/2022



#88

1,4-Dichlorobenzene

Concen: 0.625 ug/l m

RT: 13.692 min Scan# 1990

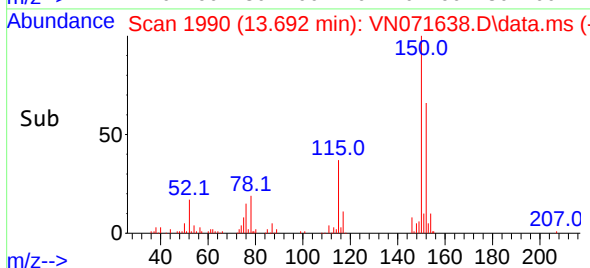
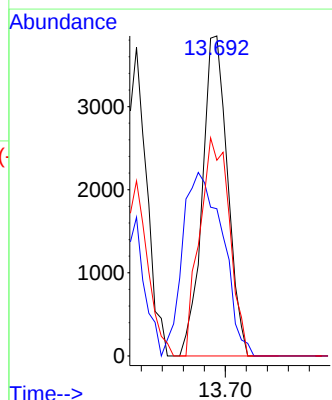
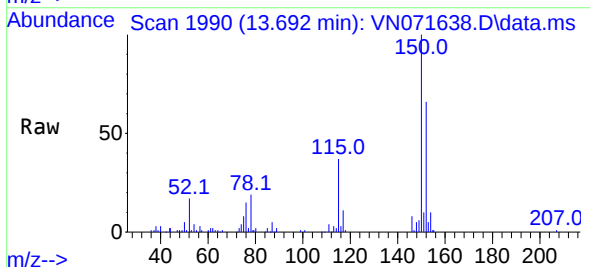
Delta R.T. 0.006 min

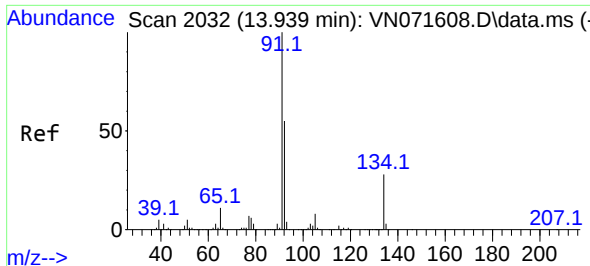
Lab File: VN071638.D

Acq: 29 Mar 2022 17:42

Tgt Ion:146 Resp: 6432

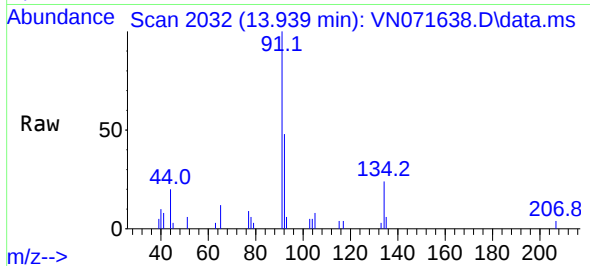
Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.1	57.1
148	56.0	31.4	94.3





#89
n-Butylbenzene
Concen: 0.502 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

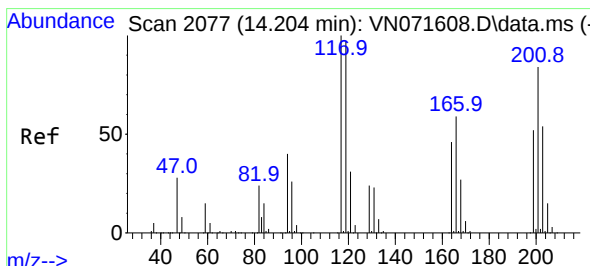
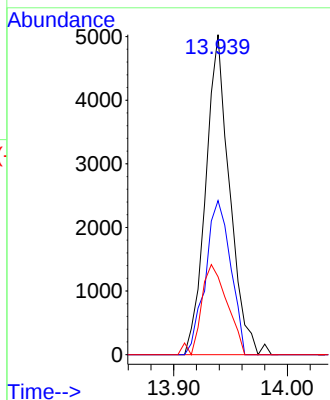
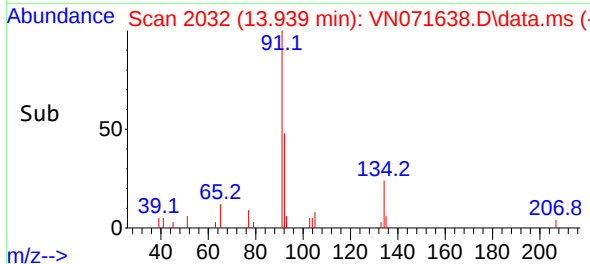
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



Tgt Ion: 91 Resp: 736
Ion Ratio Lower Upper
91 100
92 50.6 26.9 80.7
134 30.3 13.6 40.8

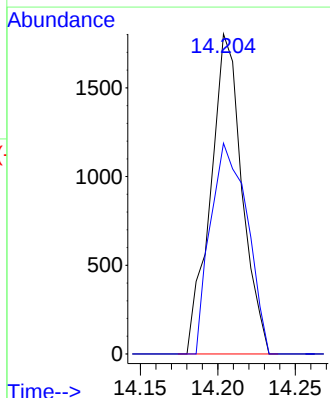
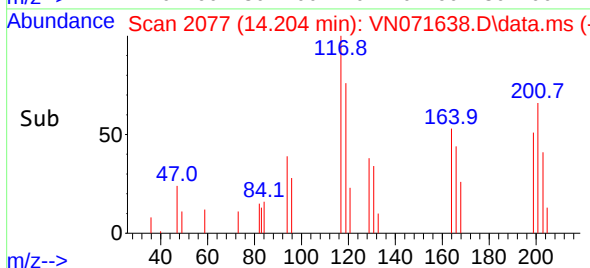
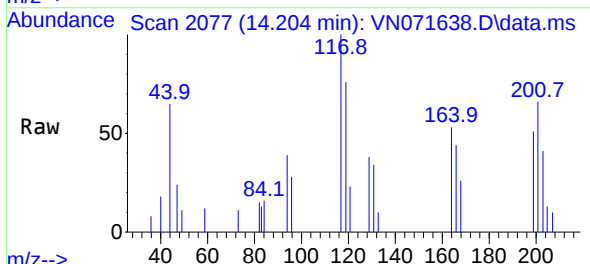
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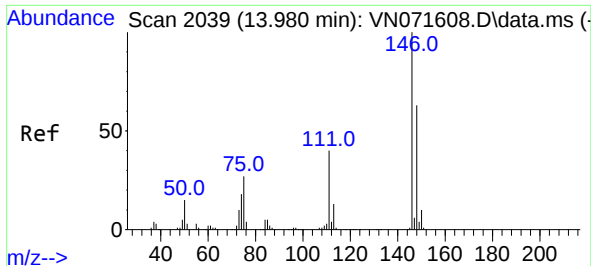
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022



#90
Hexachloroethane
Concen: 0.699 ug/l
RT: 14.204 min Scan# 2077
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

Tgt Ion:117 Resp: 2547
Ion Ratio Lower Upper
117 100
201 77.0 40.6 122.0





#91

1,2-Dichlorobenzene

Concen: 0.677 ug/l

RT: 13.986 min Scan# 2039

Delta R.T. 0.006 min

Lab File: VN071638.D

Acq: 29 Mar 2022 17:42

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022

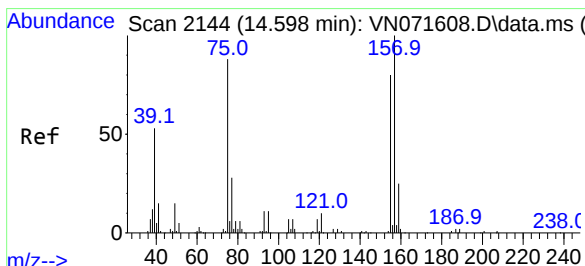
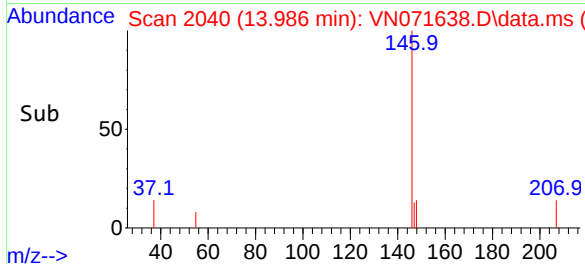
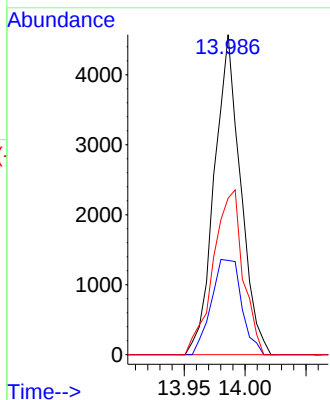
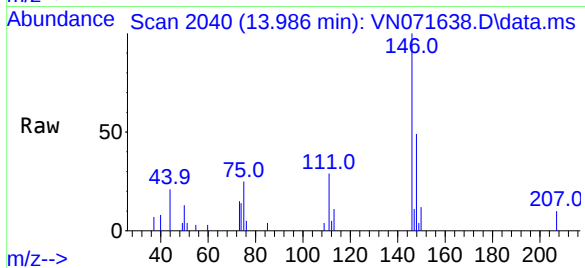
Tgt Ion:	146	Resp:	686
Ion Ratio	Lower	Upper	
146	100		
111	34.3	20.9	62.8
148	58.4	32.1	96.3

Manual Integrations

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Reviewed By :John Carlone 03/30/2022

Supervised By :Mahesh Dadoda 03/30/2022



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.535 ug/l

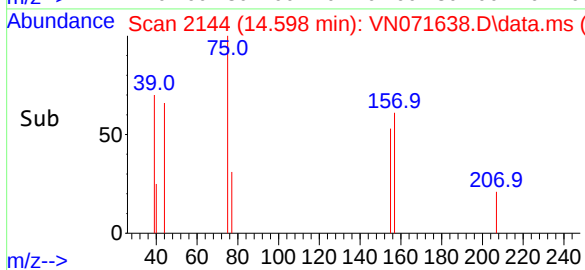
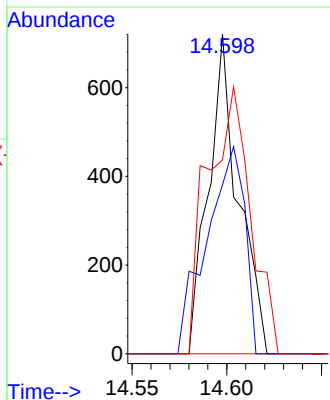
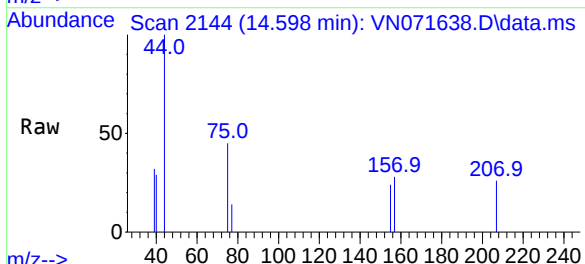
RT: 14.598 min Scan# 2144

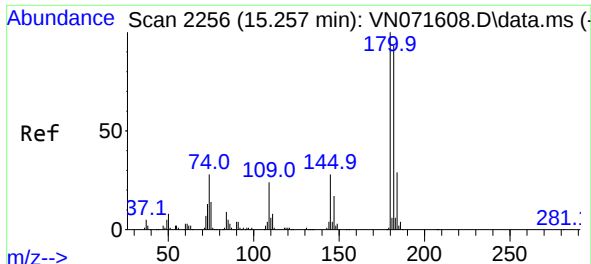
Delta R.T. -0.000 min

Lab File: VN071638.D

Acq: 29 Mar 2022 17:42

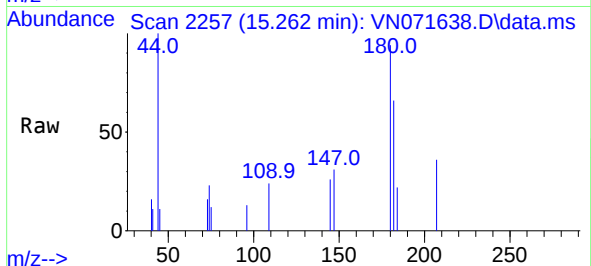
Tgt Ion:	75	Resp:	790
Ion Ratio	Lower	Upper	
75	100		
155	82.7	44.9	134.5
157	120.0	59.0	176.8





#93
1,2,4-Trichlorobenzene
Concen: 0.446 ug/l
RT: 15.262 min Scan# 21
Delta R.T. 0.005 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

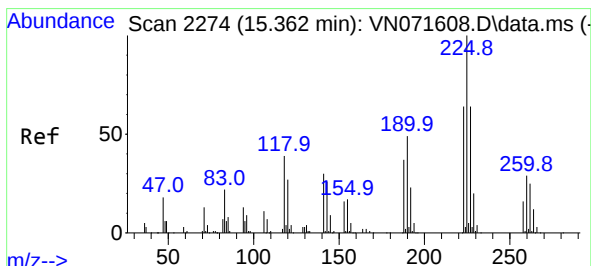
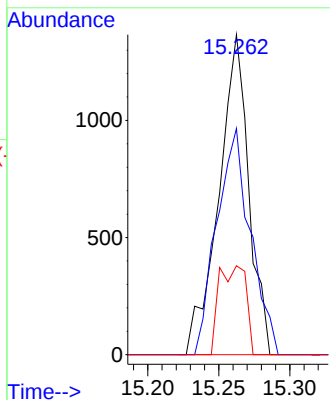
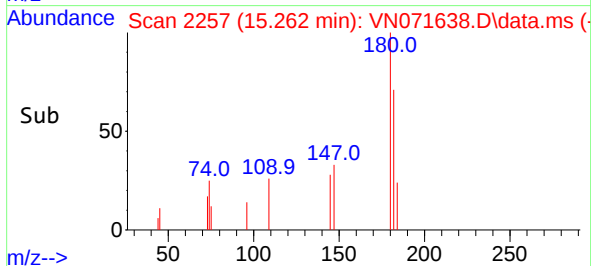
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



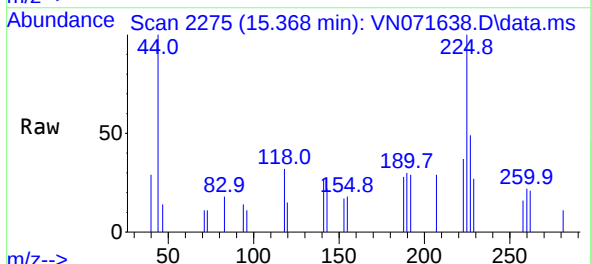
Tgt Ion:180 Resp: 200
Ion Ratio Lower Upper
180 100
182 79.6 47.5 142.5
145 25.0 14.5 43.5

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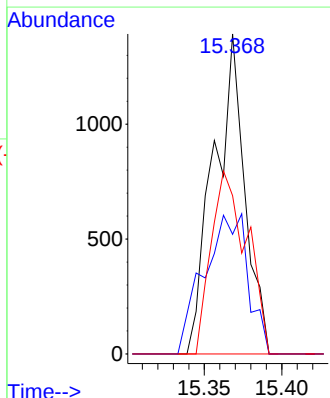
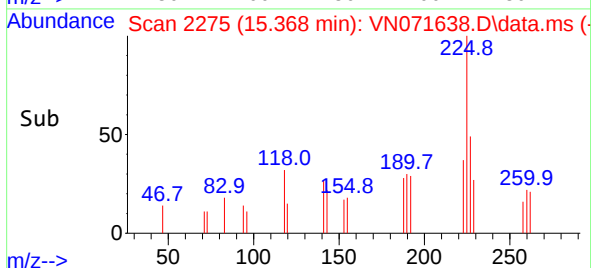
Reviewed By :John Carlone 03/30/2022
Supervised By :Mahesh Dadoda 03/30/2022

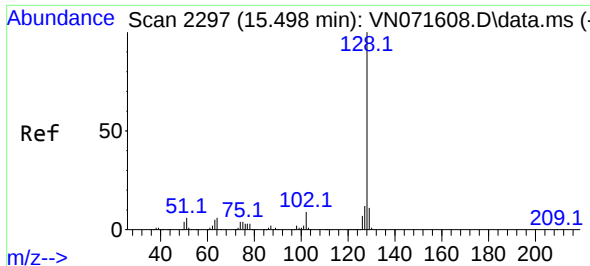


#94
Hexachlorobutadiene
Concen: 0.690 ug/l
RT: 15.368 min Scan# 2275
Delta R.T. 0.006 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



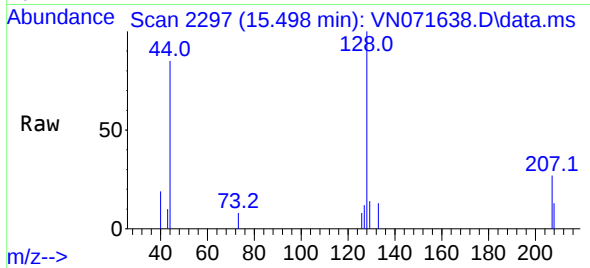
Tgt Ion:225 Resp: 1949
Ion Ratio Lower Upper
225 100
223 61.6 32.4 97.2
227 65.5 31.8 95.4





#95
Naphthalene
Concen: 0.306 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42

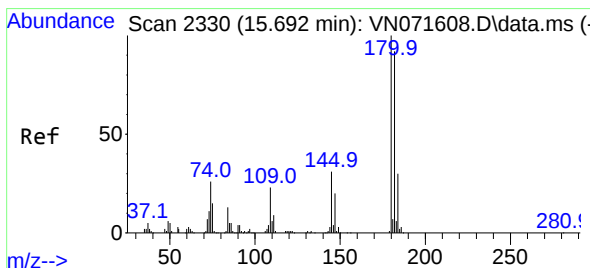
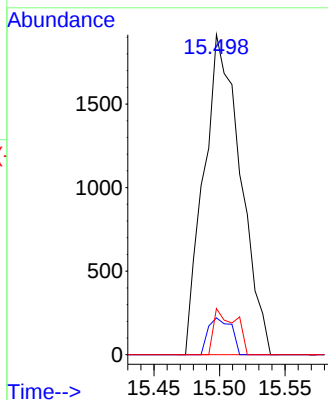
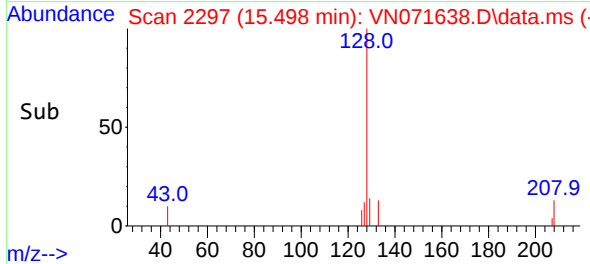
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



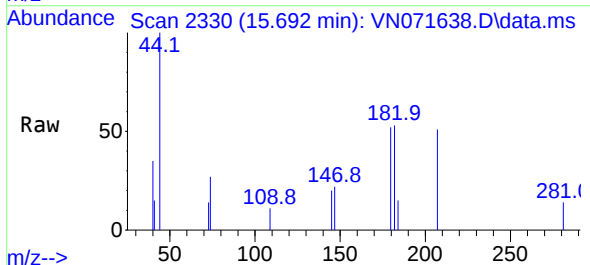
Tgt Ion:128 Resp: 3734
Ion Ratio Lower Upper
128 100
127 7.2 10.3 15.5
129 8.5 8.6 13.0

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



#96
1,2,3-Trichlorobenzene
Concen: 0.322 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN071638.D
Acq: 29 Mar 2022 17:42



Tgt Ion:180 Resp: 1444
Ion Ratio Lower Upper
180 100
182 107.7 47.8 143.3
145 29.5 15.5 46.5

