

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101723\
 Data File : VN079582.D
 Acq On : 17 Oct 2023 15:23
 Operator : JC\MD
 Sample : 04699-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2023

Quant Time: Oct 18 02:30:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 18 02:19:15 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/18/2023
 Supervised By : Mahesh Dadoda 10/20/2023

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

Internal Standards						
1) Bromochloromethane	7.818	128	21670	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	157938	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	184521	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	92091	29.890	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.633%		
60) 4-Bromofluorobenzene	12.853	95	94593	28.033	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.433%		
63) Toluene-d8	10.570	98	243942	30.852	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	102.833%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	15571	4.955	ug/l	88
3) Chloromethane	2.365	50	21217	5.209	ug/l	98
4) Vinyl Chloride	2.518	62	21936	4.990	ug/l #	87
5) Bromomethane	2.953	94	14730	5.404	ug/l	100
6) Chloroethane	3.118	64	18337	5.927	ug/l #	83
7) Trichlorofluoromethane	3.494	101	28983	5.403	ug/l	100
8) Diethyl Ether	3.959	74	10141	5.216	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	15606	5.085	ug/l	71
10) 1,1-Dichloroethene	4.347	96	14257	4.883	ug/l	95
11) Methyl Iodide	4.606	142	13932	4.310	ug/l	95
12) Methyl Acetate	5.030	43	37450	5.320	ug/l	100
13) Acrolein	4.194	56	15564	26.749	ug/l #	45
14) Acrylonitrile	5.724	53	42116m	24.985	ug/l	
15) Acetone	4.441	58	12350	23.128	ug/l	96
16) Carbon Disulfide	4.712	76	43488	4.884	ug/l	97
17) Allyl chloride	5.030	41	22276	4.948	ug/l	95
18) Methylene Chloride	5.277	84	19229	5.350	ug/l	94
19) trans-1,2-Dichloroethene	5.794	96	16180	4.953	ug/l	95
20) Diisopropyl ether	6.677	45	50235	4.706	ug/l #	90
21) 1,1-Dichloroethane	6.571	63	32656	5.034	ug/l	97
22) cis-1,2-Dichloroethene	7.494	96	18350	4.877	ug/l	99
23) tert-Butyl Alcohol	5.530	59	14457	25.648	ug/l #	100
24) Methyl tert-Butyl Ether	5.800	73	46635	4.760	ug/l #	83
25) Chloroform	7.965	83	32126	4.902	ug/l	93
26) Cyclohexane	8.259	56	22450	4.579	ug/l #	99
29) 1,1-Dichloropropene	8.376	75	23655	5.125	ug/l	85
30) 2-Butanone	7.494	43	57246	24.744	ug/l #	82
31) 2,2-Dichloropropane	7.500	77	25123	4.828	ug/l #	84
32) 1,1,1-Trichloroethane	8.171	97	27615	5.034	ug/l	98
33) Carbon Tetrachloride	8.365	117	23957	5.135	ug/l	93
34) Benzene	8.612	78	70587	5.034	ug/l #	85
35) Methacrylonitrile	7.782	41	11902	4.890	ug/l	84
36) 1,2-Dichloroethane	8.682	62	27297	5.452	ug/l	100
37) Trichloroethene	9.353	130	17222	5.254	ug/l	95
38) Methylcyclohexane	9.600	83	19811	4.458	ug/l	92
39) 1,2-Dichloropropane	9.623	63	19095	5.160	ug/l	100
40) Dibromomethane	9.718	93	12571	5.176	ug/l	96
41) Bromodichloromethane	9.894	83	25511	5.069	ug/l	99
42) Vinyl Acetate	6.606	43	133765	22.792	ug/l #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.571	43	23574m	5.419	ug/l	
44) Isopropyl Acetate	8.694	43	37567	4.858	ug/l	99
45) 1,4-Dioxane	9.700	88	5537	91.467	ug/l #	41
46) Methyl methacrylate	9.688	41	16707	4.870	ug/l	96
47) n-amyl Acetate	12.500	43	23816	4.267	ug/l	100
48) t-1,3-Dichloropropene	10.841	75	24499	4.815	ug/l	98
49) cis-1,3-Dichloropropene	10.318	75	26334	4.733	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	17098	5.075	ug/l	97
51) Ethyl methacrylate	10.876	69	21369	4.597	ug/l	94
52) 1,3-Dichloropropane	11.170	76	29896	5.009	ug/l	100
53) Dibromochloromethane	11.359	129	17082	4.961	ug/l	97
54) 1,2-Dibromoethane	11.476	107	17144	5.158	ug/l	95
55) 2-Chloroethyl vinyl ether	10.165	63	33265	18.757	ug/l	97
56) Bromoform	12.582	173	11285	4.954	ug/l #	95
58) 4-Methyl-2-Pentanone	10.447	43	111619	25.934	ug/l	98
59) 2-Hexanone	11.200	43	77041	24.400	ug/l	98
61) Tetrachloroethene	11.106	164	13877	5.477	ug/l	94
62) Toluene	10.635	91	73957	5.244	ug/l	99
64) Chlorobenzene	11.894	112	42579	5.206	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.964	131	16682	5.354	ug/l	97
66) Ethyl Benzene	11.970	91	70587	4.858	ug/l	100
67) m/p-Xylenes	12.076	106	47325	8.806	ug/l	92
68) o-Xylene	12.400	106	24916	4.850	ug/l	95
69) Styrene	12.417	104	34566	4.238	ug/l	95
70) Isopropylbenzene	12.700	105	58137	4.409	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	26408	5.633	ug/l	95
72) 1,2,3-Trichloropropane	12.994	75	22249m	5.226	ug/l	
73) Bromobenzene	12.988	156	14659	4.733	ug/l	94
74) n-propylbenzene	13.041	91	67631	4.406	ug/l	100
75) 2-Chlorotoluene	13.129	91	43359	4.544	ug/l	97
76) 1,3,5-Trimethylbenzene	13.176	105	47847	4.439	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	6102	4.696	ug/l	92
78) 4-Chlorotoluene	13.223	91	37353	4.143	ug/l	99
79) tert-butylbenzene	13.441	119	42311	4.883	ug/l	96
80) 1,2,4-Trimethylbenzene	13.488	105	42783	4.097	ug/l	97
81) sec-Butylbenzene	13.617	105	54306	4.464	ug/l	98
82) p-Isopropyltoluene	13.735	119	40417	4.188	ug/l	98
83) 1,3-Dichlorobenzene	13.741	146	21527	4.227	ug/l	97
84) 1,4-Dichlorobenzene	13.817	146	19404	3.974	ug/l	98
85) n-Butylbenzene	14.058	91	26649	3.534	ug/l	98
86) Hexachloroethane	14.341	117	10858	5.205	ug/l	98
87) 1,2-Dichlorobenzene	14.111	146	20448	4.039	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.723	75	3335	4.669	ug/l	98
89) 1,2,4-Trichlorobenzene	15.841	180	5048m	2.829	ug/l	
90) Hexachlorobutadiene	15.505	225	5684	4.497	ug/l	92
91) Naphthalene	15.641	128	12520	2.720	ug/l #	96
92) 1,2,3-Trichlorobenzene	15.841	180	5048m	2.829	ug/l	

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

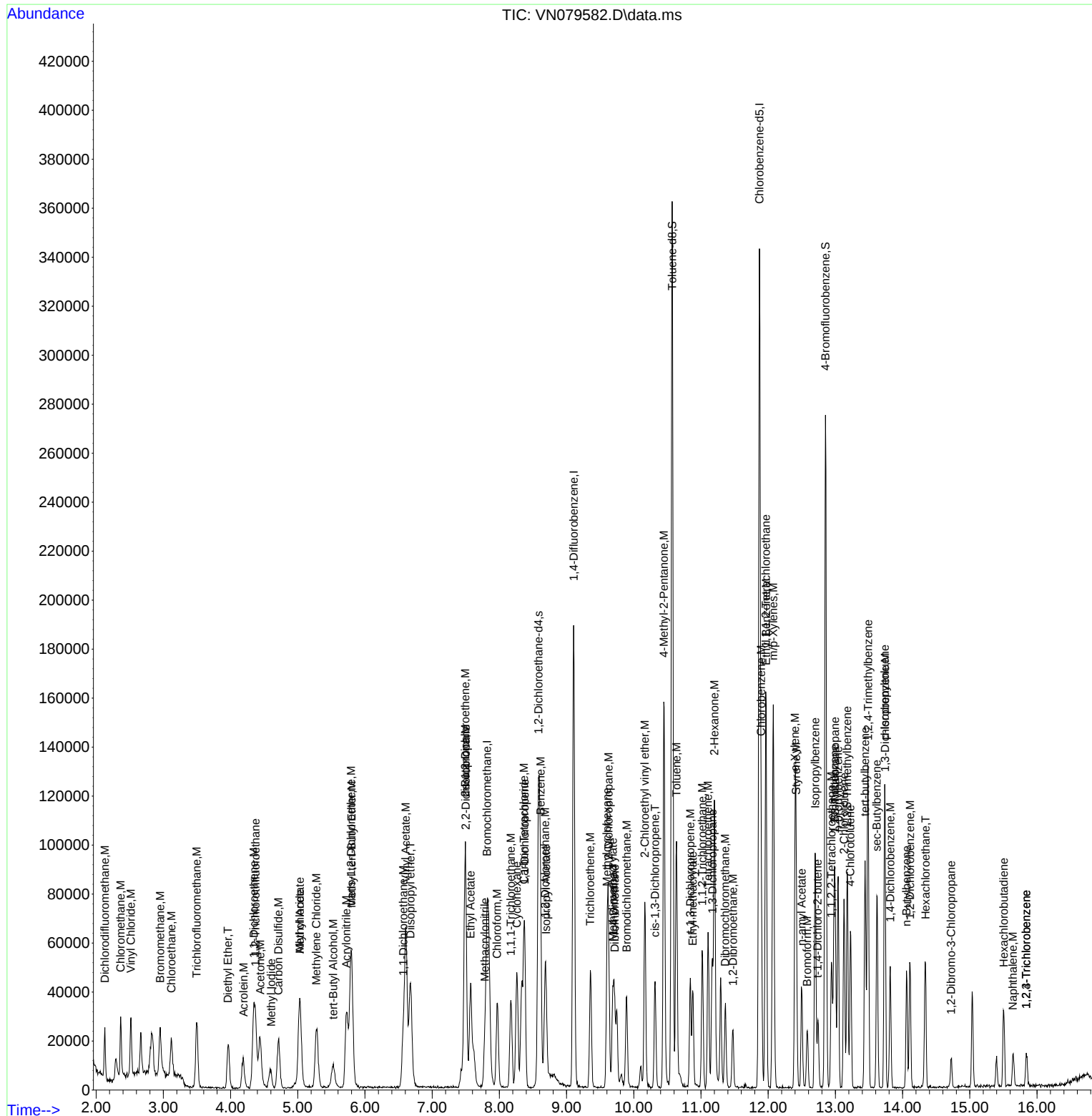
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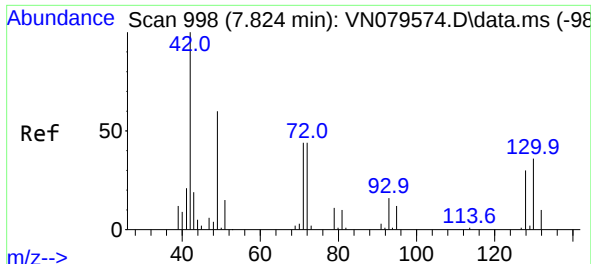
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MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023

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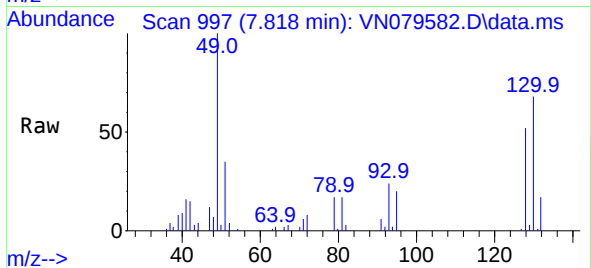
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

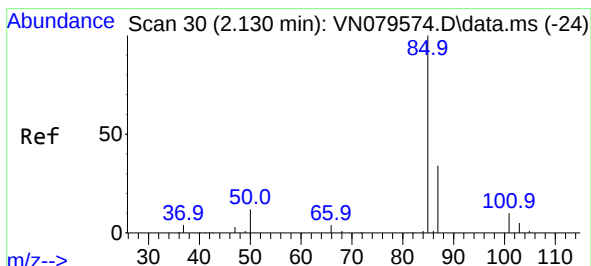
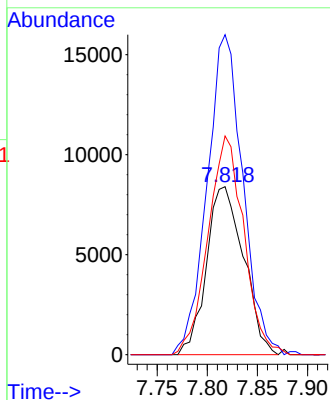
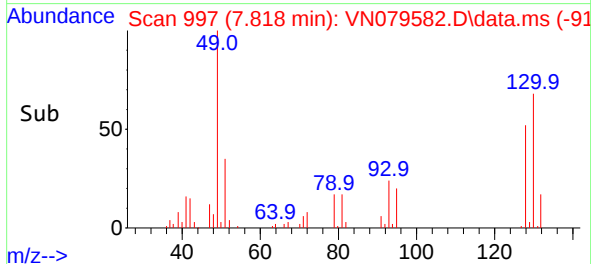
Instrument :
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ClientSampleId :
LOQ-WATER-02-QT4-2023



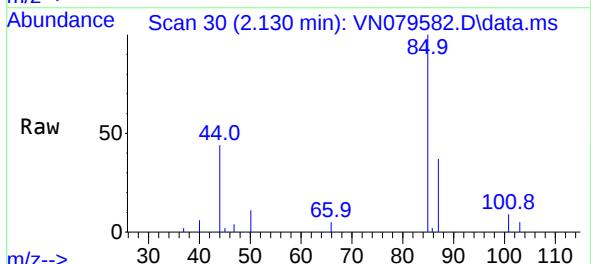
Tgt Ion:128 Resp: 21670
Ion Ratio Lower Upper
128 100
49 182.3 0.0 468.5
130 124.9 0.0 320.7

Manual Integrations
APPROVED

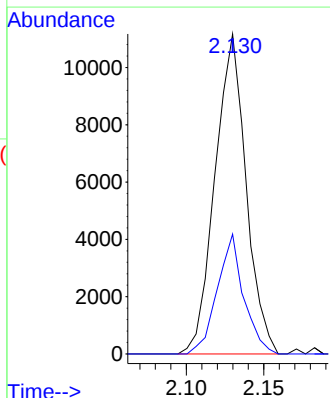
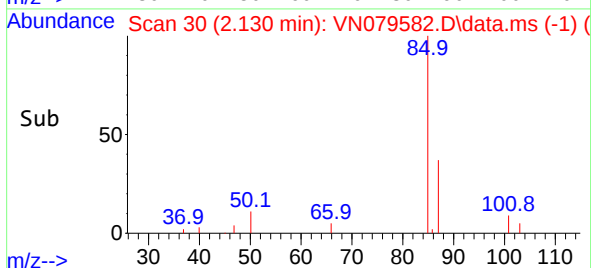
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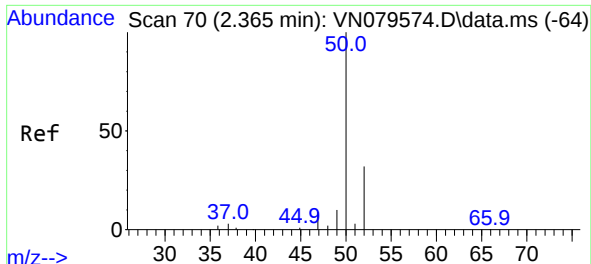


#2
Dichlorodifluoromethane
Concen: 4.955 ug/l
RT: 2.130 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



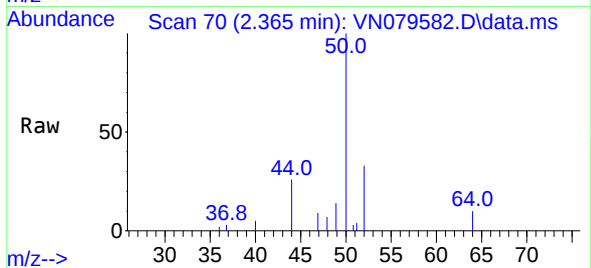
Tgt Ion: 85 Resp: 15571
Ion Ratio Lower Upper
85 100
87 37.5 15.6 46.7





#3
Chloromethane
Concen: 5.209 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

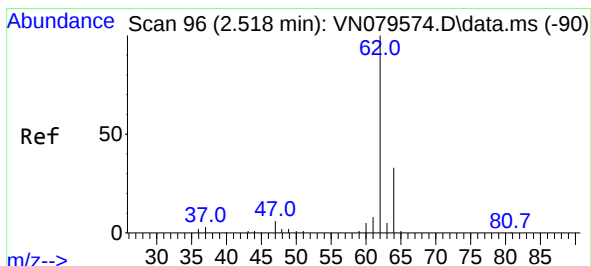
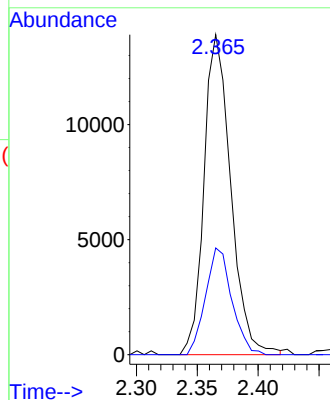
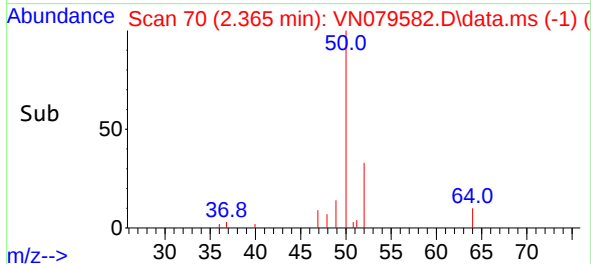
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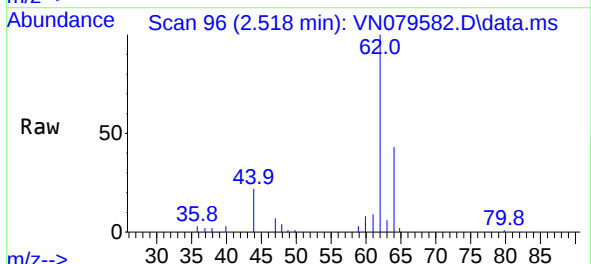
Tgt Ion: 50 Resp: 2121
Ion Ratio Lower Upper
50 100
52 33.4 25.6 38.4

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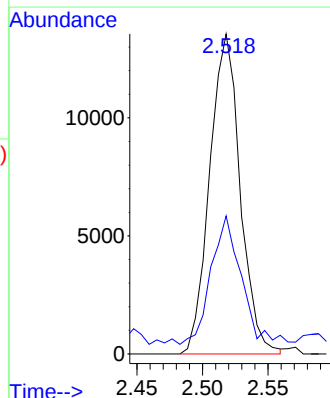
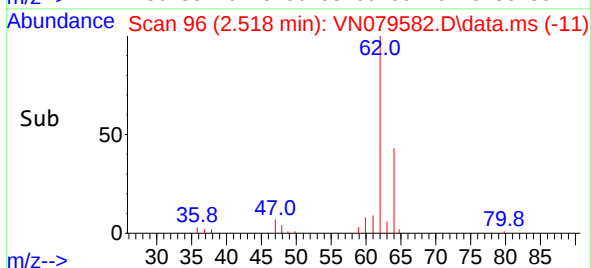
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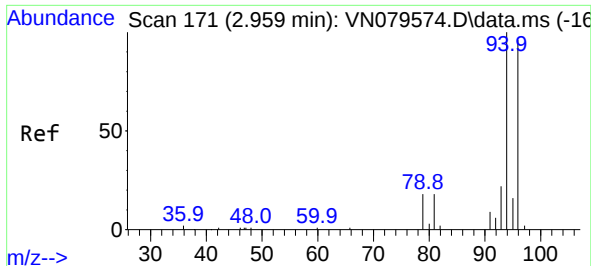


#4
Vinyl Chloride
Concen: 4.990 ug/l
RT: 2.518 min Scan# 96
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



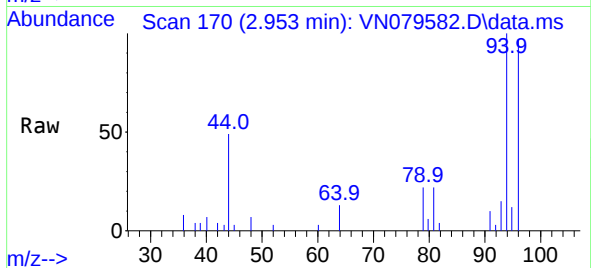
Tgt Ion: 62 Resp: 21936
Ion Ratio Lower Upper
62 100
64 40.2 26.4 39.6#





#5
Bromomethane
Concen: 5.404 ug/l
RT: 2.953 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

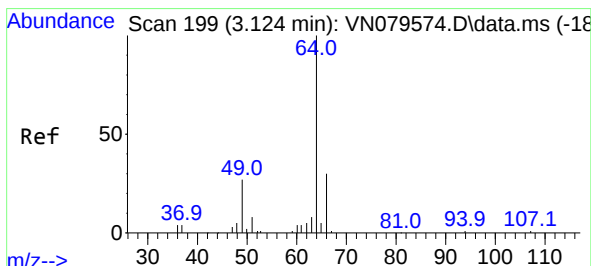
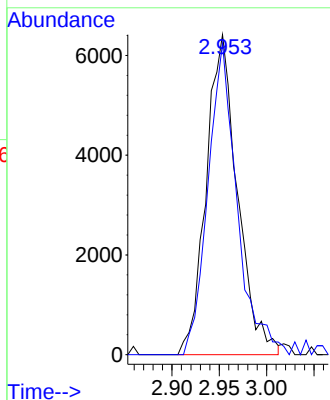
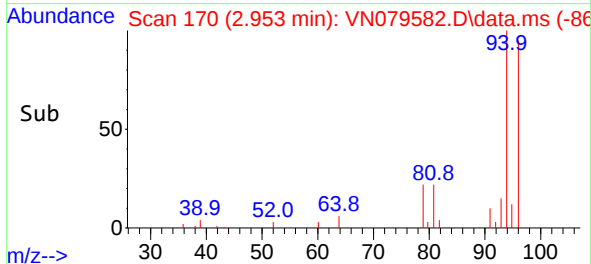
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Tgt Ion: 94 Resp: 14730
Ion Ratio Lower Upper
94 100
96 97.4 77.8 116.6

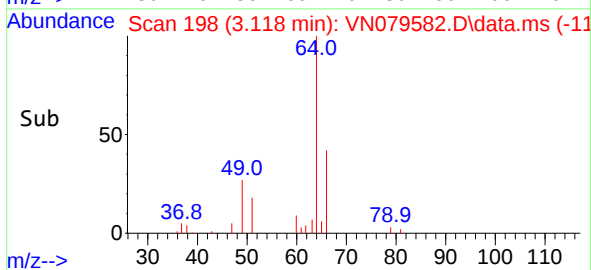
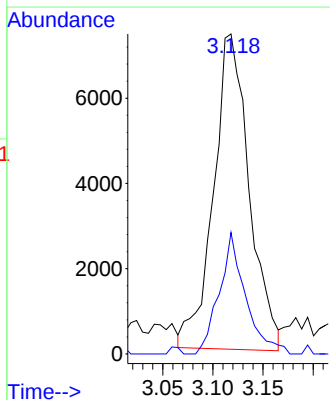
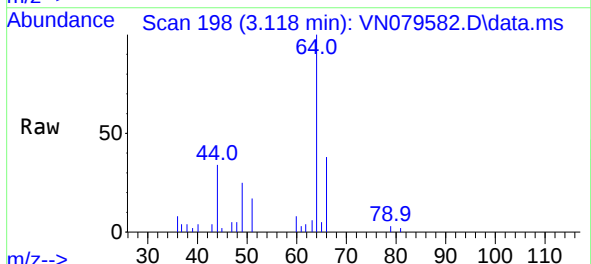
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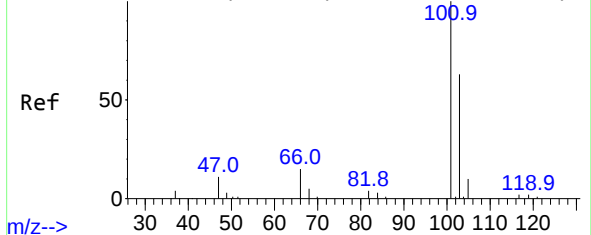


#6
Chloroethane
Concen: 5.927 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Tgt Ion: 64 Resp: 18337
Ion Ratio Lower Upper
64 100
66 38.2 23.3 34.9#



Abundance Scan 263 (3.500 min): VN079574.D\data.ms (-25



#7

Trichlorofluoromethane

Concen: 5.403 ug/l

RT: 3.494 min Scan# 210

Delta R.T. -0.006 min

Lab File: VN079582.D

Acq: 17 Oct 2023 15:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion:101 Resp: 2898

Ion Ratio Lower Upper

101 100

103 62.2 49.9 74.9

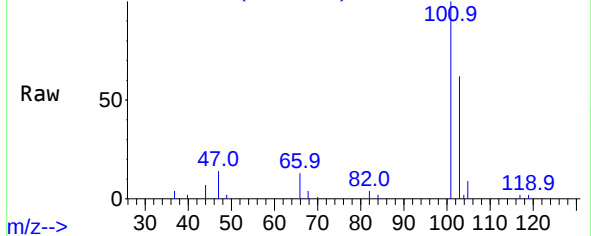
Manual Integrations

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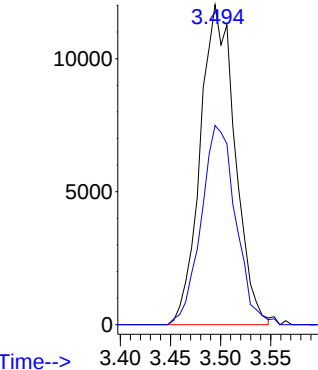
Reviewed By :John Carlone 10/18/2023

Supervised By :Mahesh Dadoda 10/20/2023

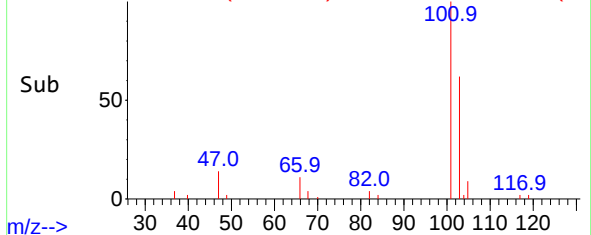
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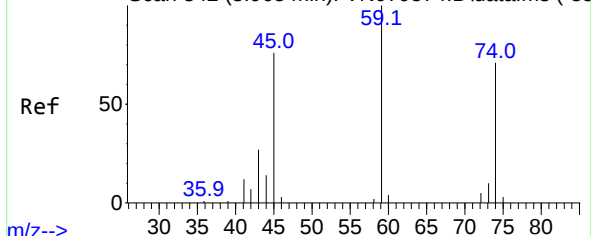
Abundance



Abundance Scan 262 (3.494 min): VN079582.D\data.ms (-17



Abundance Scan 342 (3.965 min): VN079574.D\data.ms (-33



#8

Diethyl Ether

Concen: 5.216 ug/l

RT: 3.959 min Scan# 341

Delta R.T. -0.006 min

Lab File: VN079582.D

Acq: 17 Oct 2023 15:23

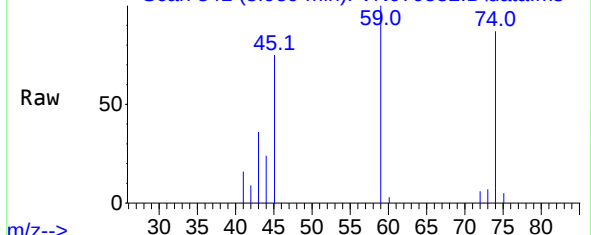
Tgt Ion: 74 Resp: 10141

Ion Ratio Lower Upper

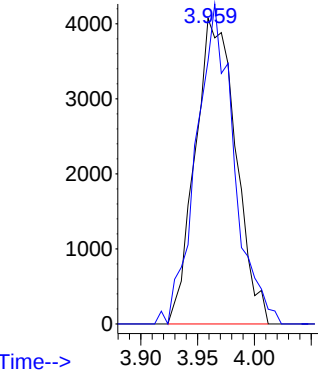
74 100

45 96.4 19.0 171.0

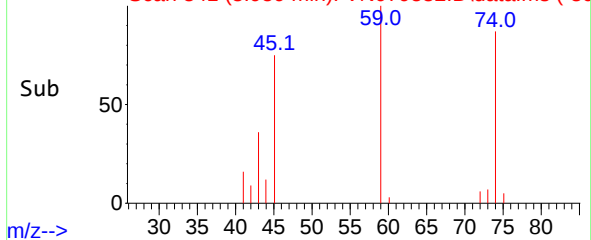
Abundance Scan 341 (3.959 min): VN079582.D\data.ms

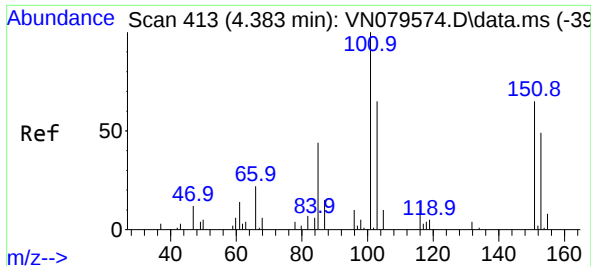


Abundance



Abundance Scan 341 (3.959 min): VN079582.D\data.ms (-30





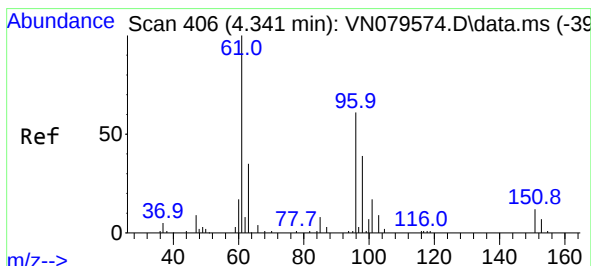
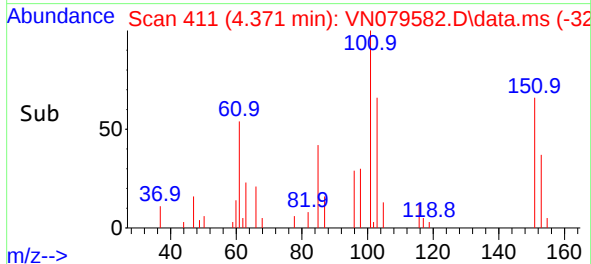
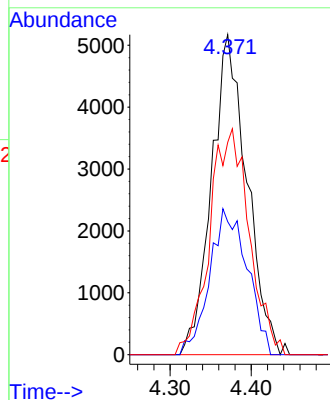
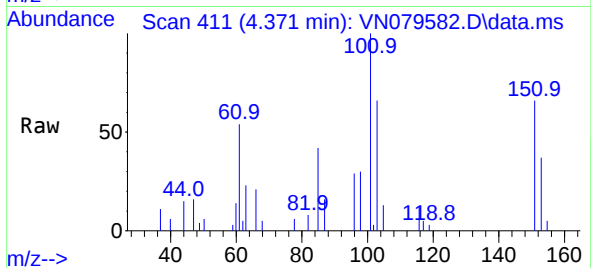
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.085 ug/l
RT: 4.371 min Scan# 411
Delta R.T. -0.012 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:101 Resp: 1560
Ion Ratio Lower Upper
101 100
85 24.7 0.0 92.0
151 47.0 0.0 138.4

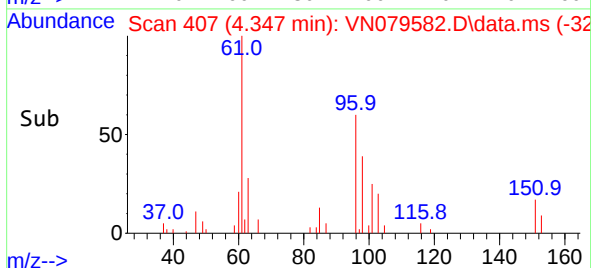
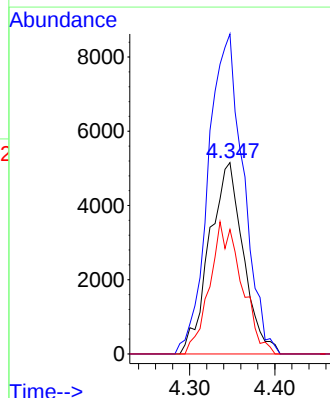
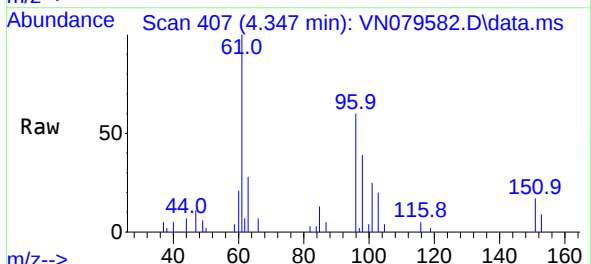
Manual Integrations
APPROVED

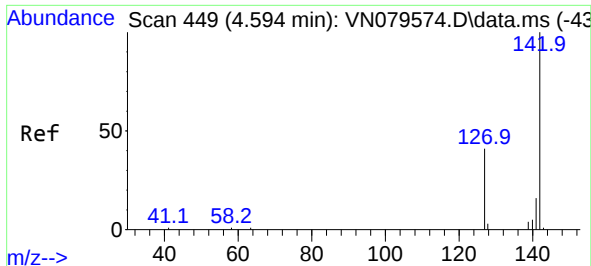
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#10
1,1-Dichloroethene
Concen: 4.883 ug/l
RT: 4.347 min Scan# 407
Delta R.T. 0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

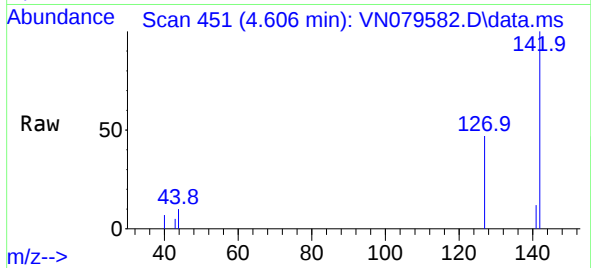
Tgt Ion: 96 Resp: 14257
Ion Ratio Lower Upper
96 100
61 167.2 141.3 211.9
98 65.0 53.2 79.8





#11
Methyl Iodide
Concen: 4.310 ug/l
RT: 4.606 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

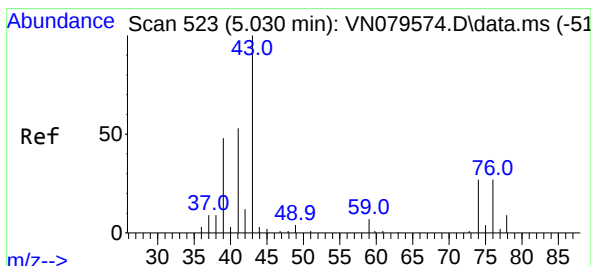
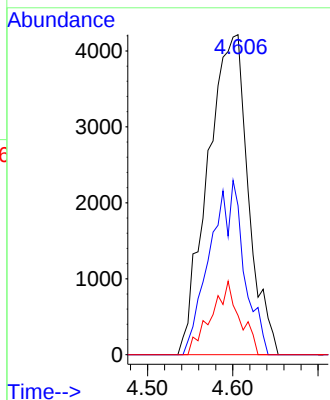
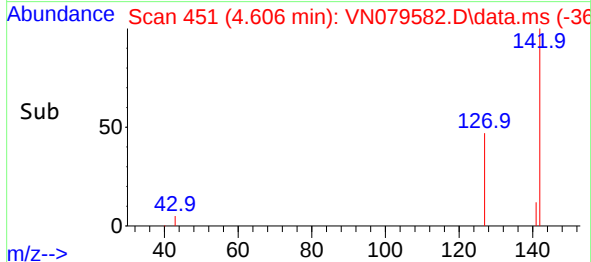
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion:142 Resp: 1393
Ion Ratio Lower Upper
142 100
127 46.6 24.6 73.8
141 12.3 7.7 23.1

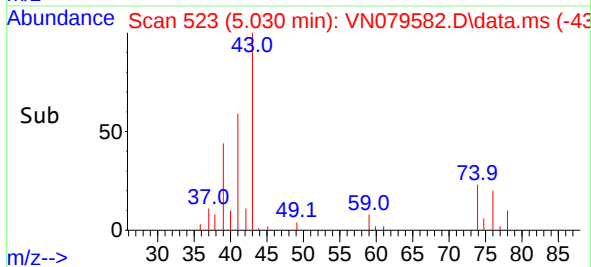
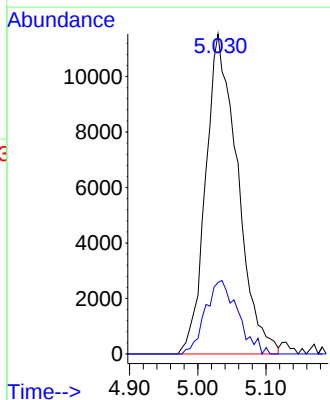
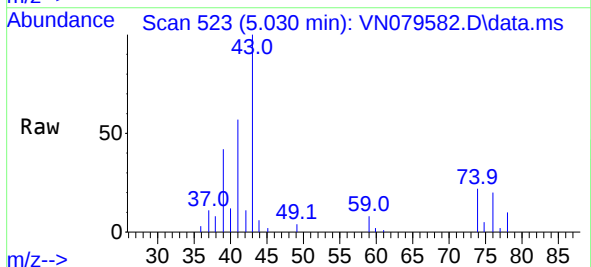
Manual Integrations
APPROVED

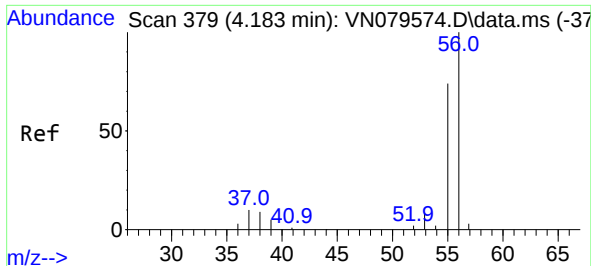
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#12
Methyl Acetate
Concen: 5.320 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

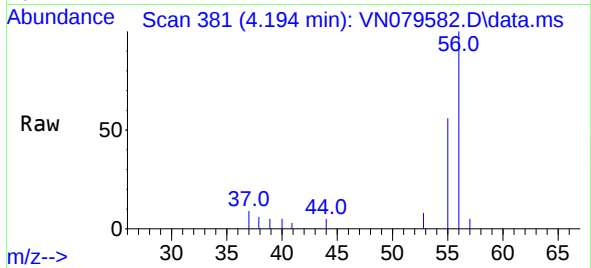
Tgt Ion: 43 Resp: 37450
Ion Ratio Lower Upper
43 100
74 22.5 18.1 27.1





#13
Acrolein
Concen: 26.749 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.012 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

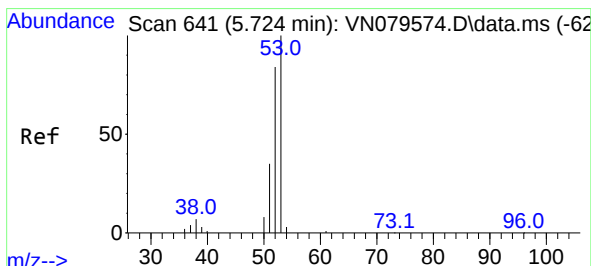
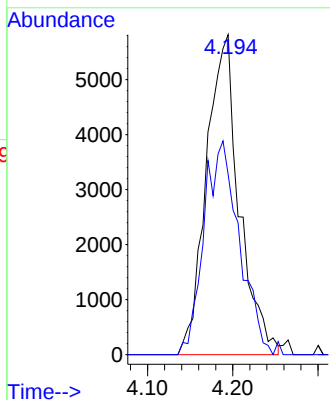
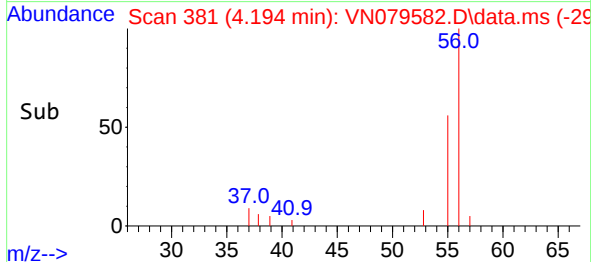
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



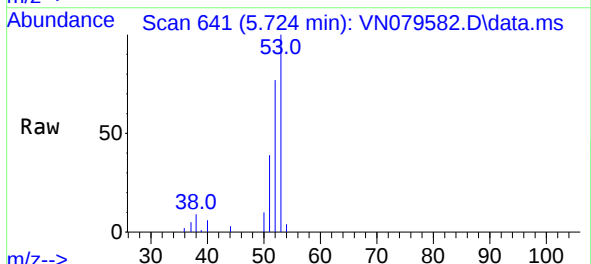
Tgt Ion: 56 Resp: 15564
Ion Ratio Lower Upper
56 100
55 26.0 57.1 85.7

Manual Integrations
APPROVED

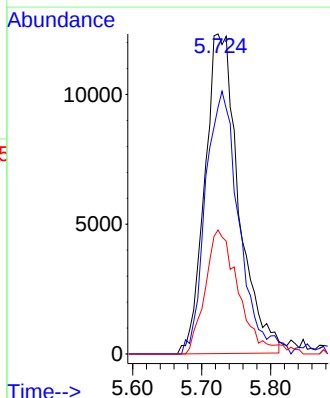
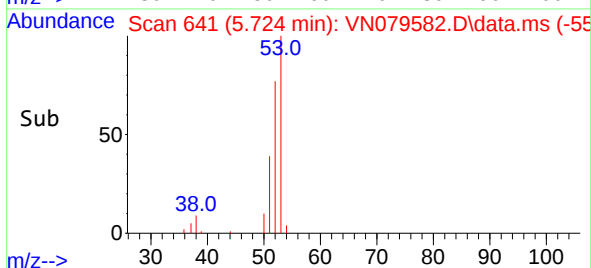
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

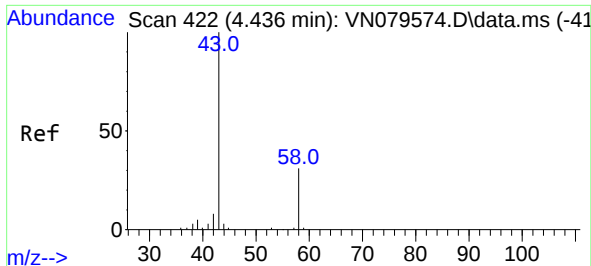


#14
Acrylonitrile
Concen: 24.985 ug/l m
RT: 5.724 min Scan# 641
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



Tgt Ion: 53 Resp: 42116
Ion Ratio Lower Upper
53 100
52 79.4 41.6 124.9
51 36.3 17.8 53.3





#15

Acetone

Concen: 23.128 ug/l

RT: 4.441 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN079582.D

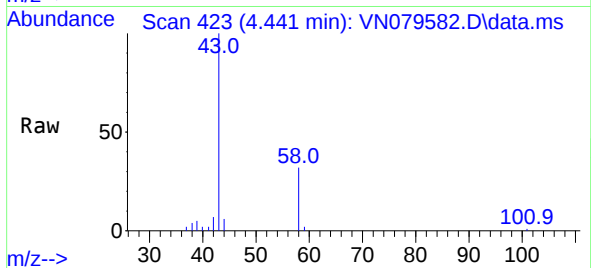
Acq: 17 Oct 2023 15:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2023



Tgt Ion: 58 Resp: 12350

Ion Ratio Lower Upper

58 100

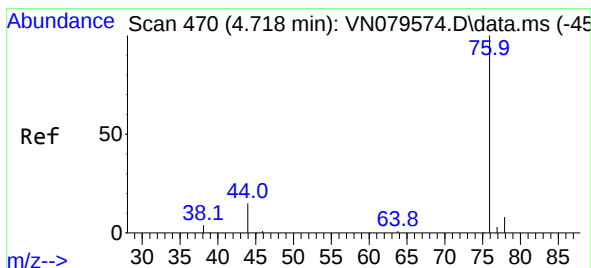
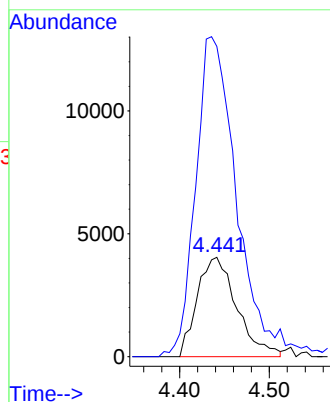
43 289.0 225.2 337.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/18/2023

Supervised By :Mahesh Dadoda 10/20/2023



#16

Carbon Disulfide

Concen: 4.884 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.006 min

Lab File: VN079582.D

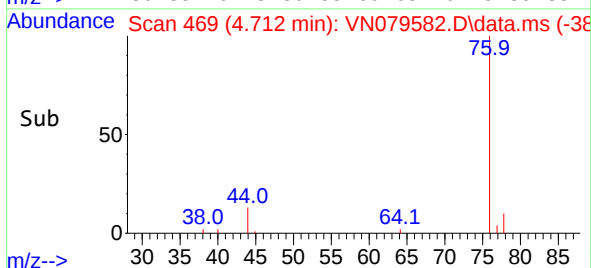
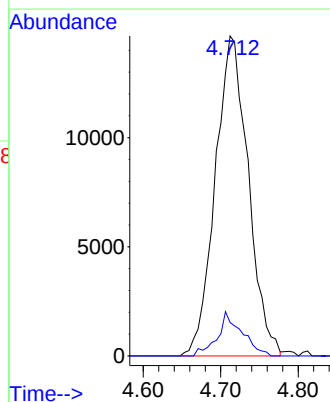
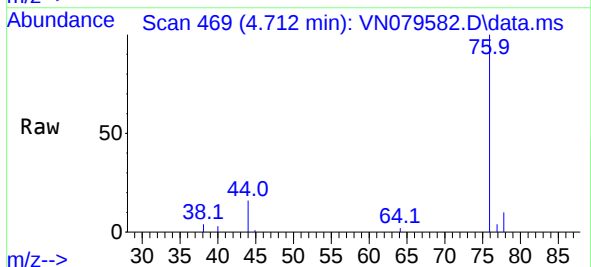
Acq: 17 Oct 2023 15:23

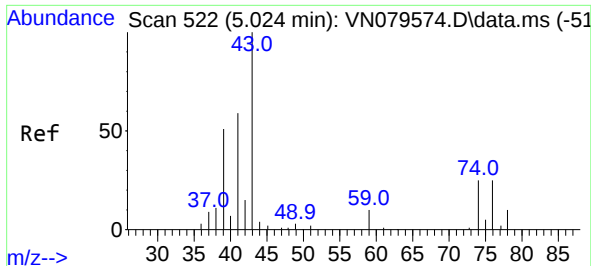
Tgt Ion: 76 Resp: 43488

Ion Ratio Lower Upper

76 100

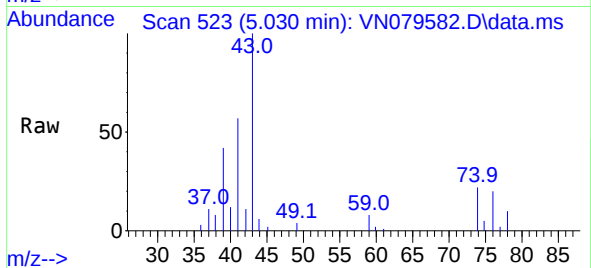
78 10.5 7.5 11.3





#17
Allyl chloride
Concen: 4.948 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

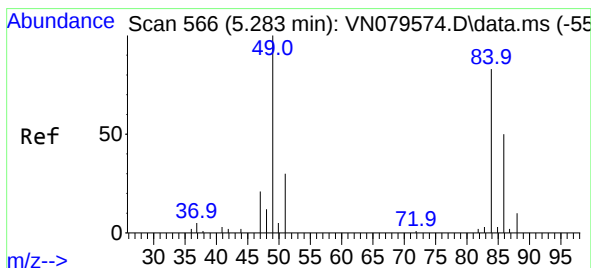
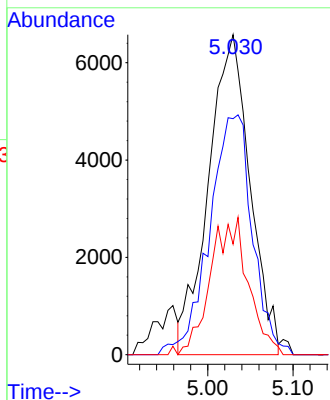
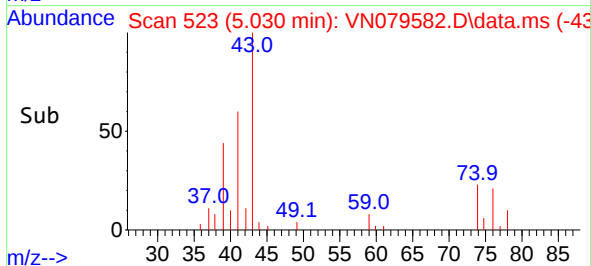
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 41 Resp: 22270
Ion Ratio Lower Upper
41 100
39 72.6 38.4 115.2
76 35.7 19.5 58.5

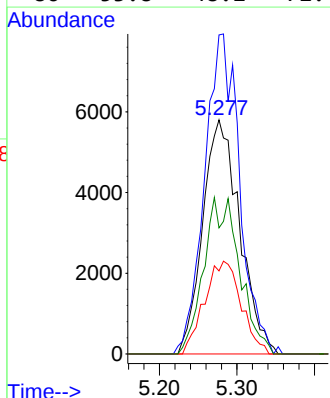
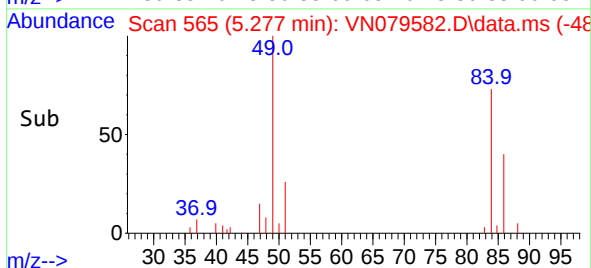
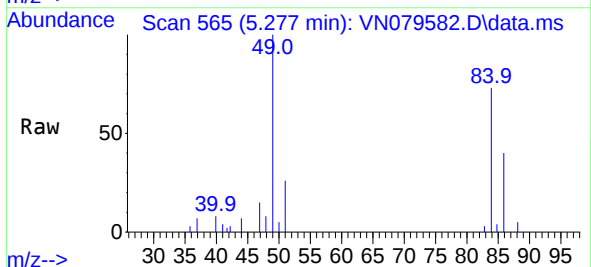
Manual Integrations
APPROVED

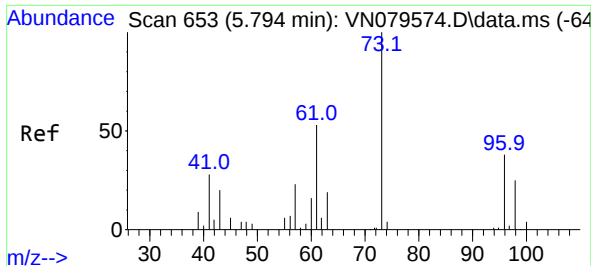
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#18
Methylene Chloride
Concen: 5.350 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

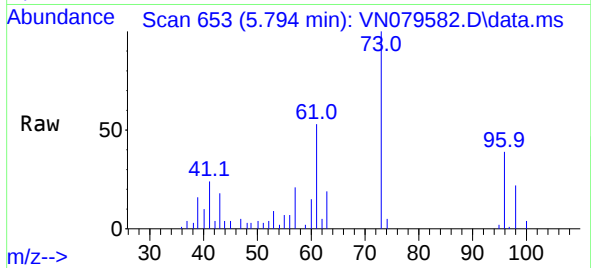
Tgt Ion: 84 Resp: 19229
Ion Ratio Lower Upper
84 100
49 133.2 100.9 151.3
51 35.5 29.4 44.2
86 53.8 48.2 72.4





#19
trans-1,2-Dichloroethene
Concen: 4.953 ug/l
RT: 5.794 min Scan# 618
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

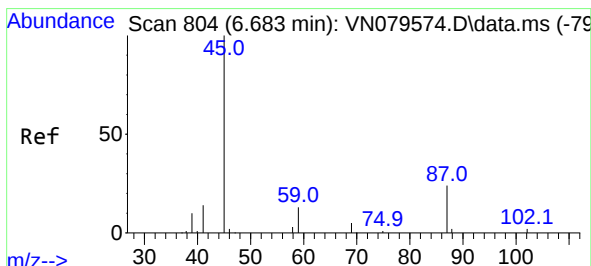
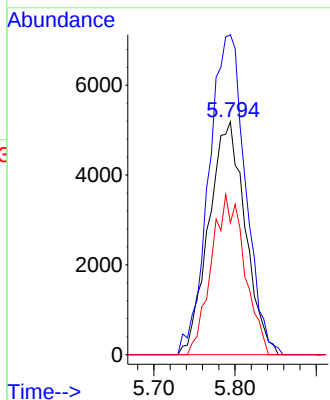
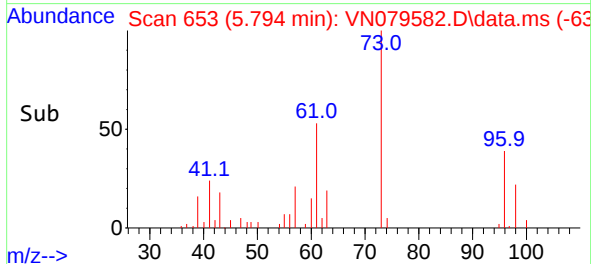
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2023



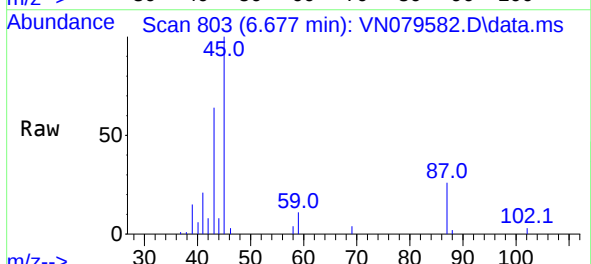
Tgt Ion: 96 Resp: 16180
Ion Ratio Lower Upper
96 100
61 137.5 113.4 170.0
98 56.6 50.4 75.6

Manual Integrations
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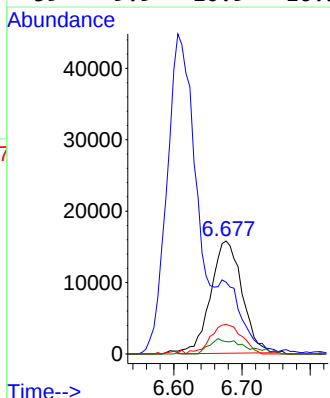
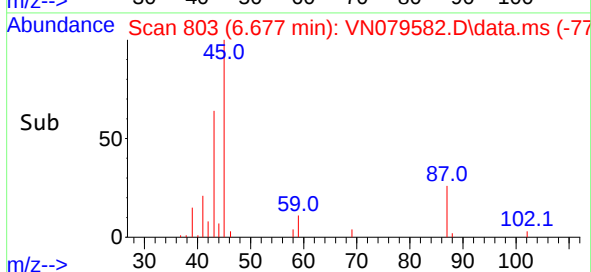
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

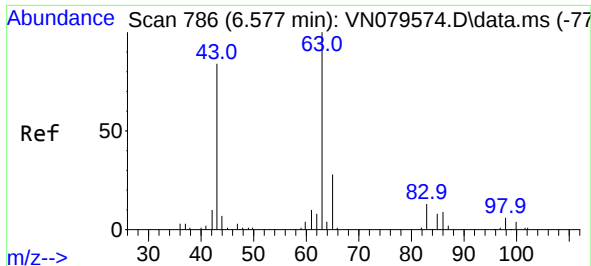


#20
Diisopropyl ether
Concen: 4.706 ug/l
RT: 6.677 min Scan# 803
Delta R.T. -0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



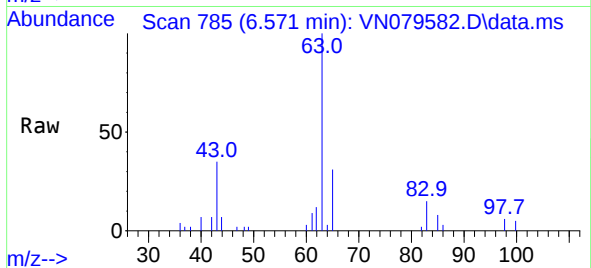
Tgt Ion: 45 Resp: 50235
Ion Ratio Lower Upper
45 100
43 62.4 42.1 63.1
87 26.4 20.5 30.7
59 9.9 10.9 16.3





#21
1,1-Dichloroethane
Concen: 5.034 ug/l
RT: 6.571 min Scan# 785
Delta R.T. -0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

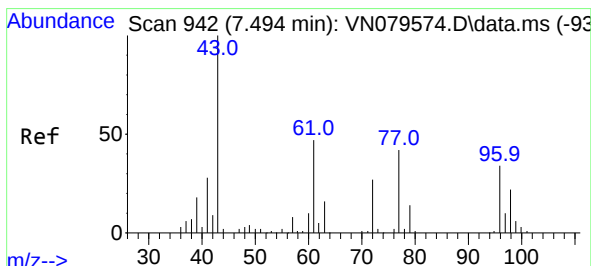
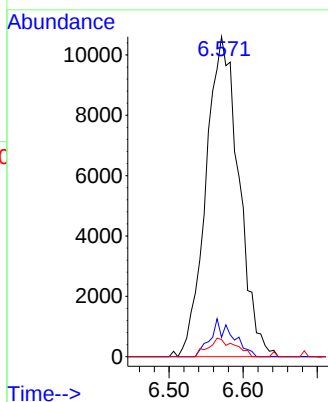
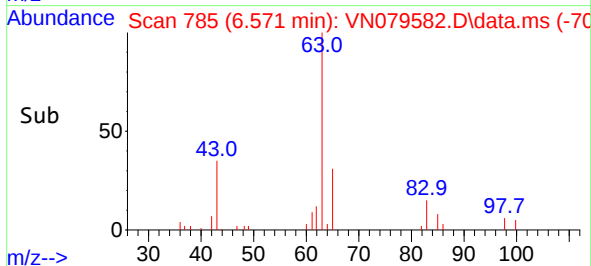
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



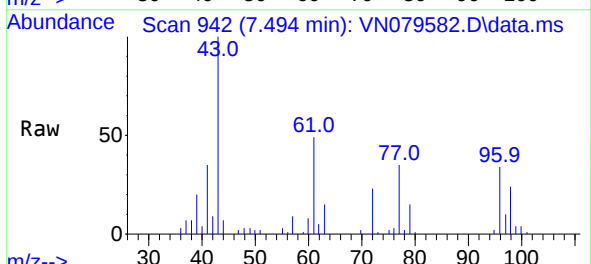
Tgt Ion: 63 Resp: 32650
Ion Ratio Lower Upper
63 100
98 6.1 2.8 8.4
100 5.3 1.9 5.7

Manual Integrations
APPROVED

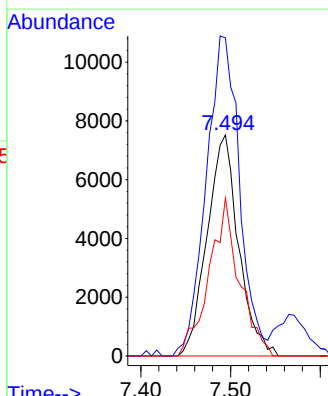
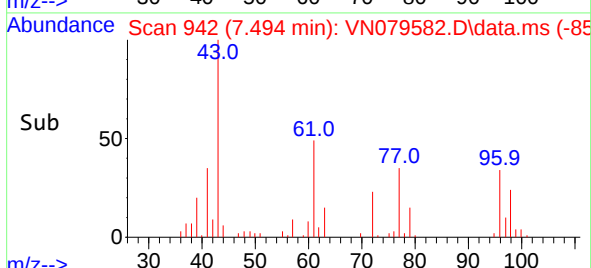
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

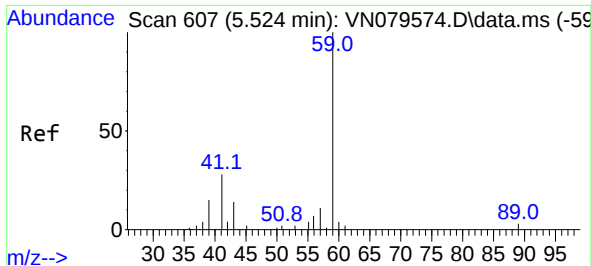


#22
cis-1,2-Dichloroethene
Concen: 4.877 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



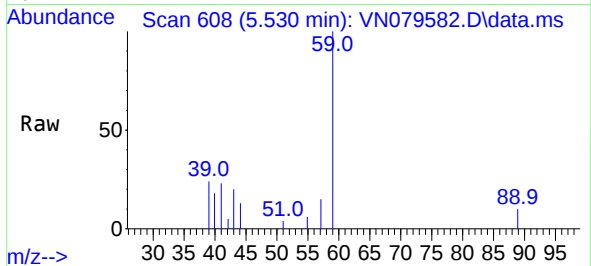
Tgt Ion: 96 Resp: 18350
Ion Ratio Lower Upper
96 100
61 153.5 124.6 186.8
98 68.4 54.2 81.4





#23
tert-Butyl Alcohol
Concen: 25.648 ug/l
RT: 5.530 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

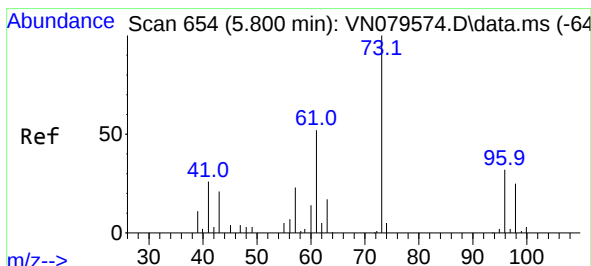
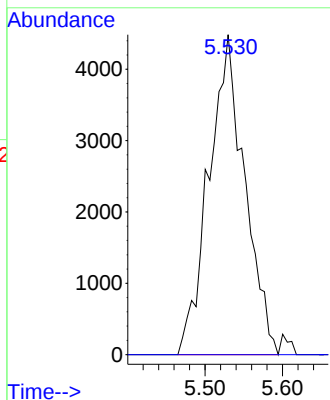
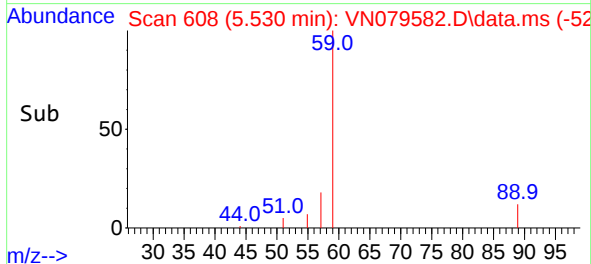
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 59 Resp: 1445
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

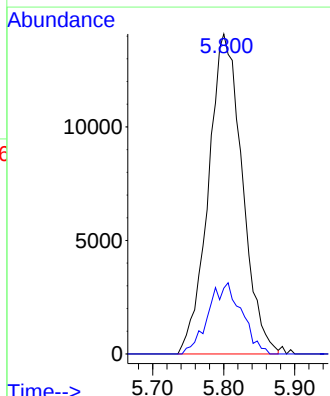
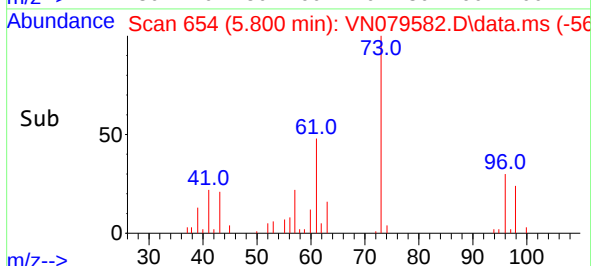
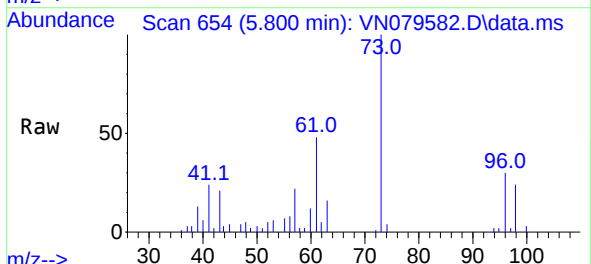
Manual Integrations
APPROVED

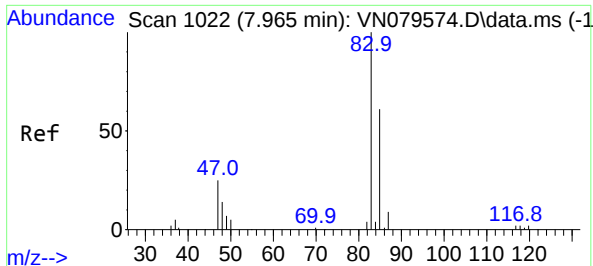
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#24
Methyl tert-Butyl Ether
Concen: 4.760 ug/l
RT: 5.800 min Scan# 654
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Tgt Ion: 73 Resp: 46635
Ion Ratio Lower Upper
73 100
43 12.9 16.6 24.8#





#25

Chloroform

Concen: 4.902 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VN079582.D

Acq: 17 Oct 2023 15:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2023

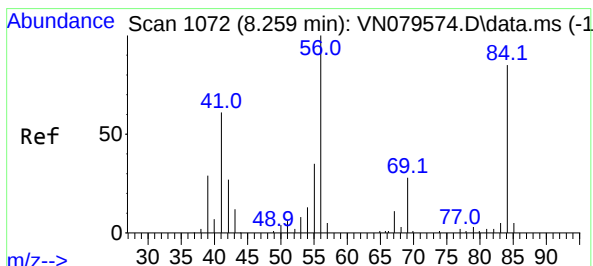
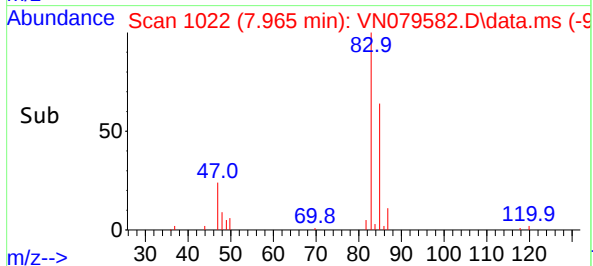
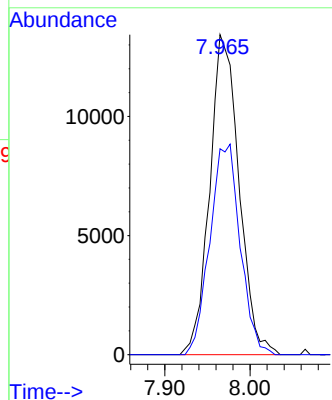
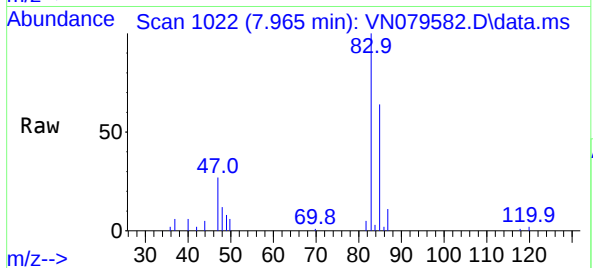
Tgt Ion: 83 Resp: 32120
 Ion Ratio Lower Upper
 83 100
 85 64.3 47.4 71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/18/2023

Supervised By :Mahesh Dadoda 10/20/2023



#26

Cyclohexane

Concen: 4.579 ug/l

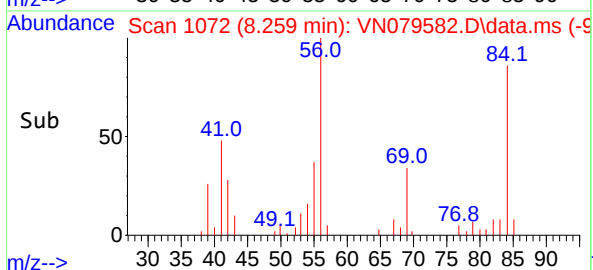
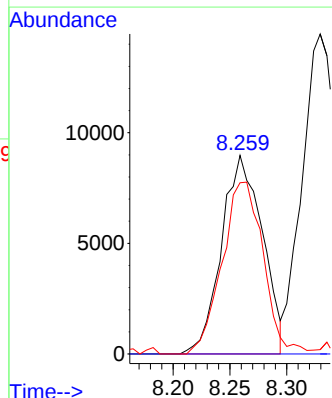
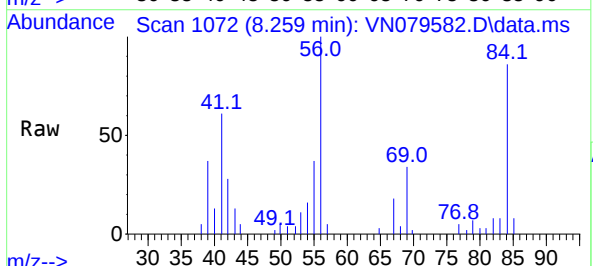
RT: 8.259 min Scan# 1072

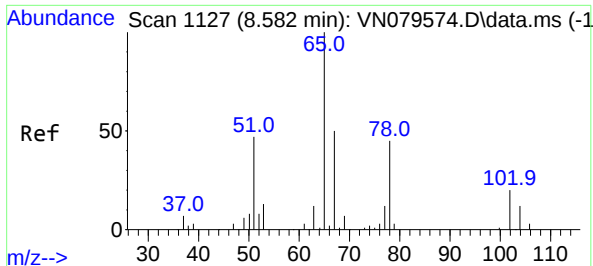
Delta R.T. -0.000 min

Lab File: VN079582.D

Acq: 17 Oct 2023 15:23

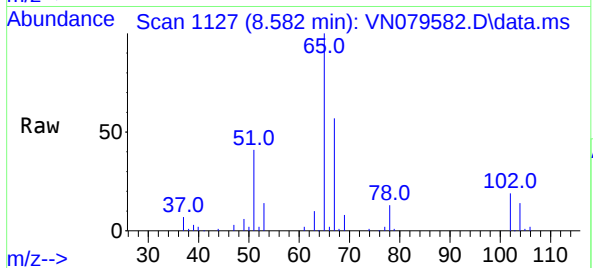
Tgt Ion: 56 Resp: 22450
 Ion Ratio Lower Upper
 56 100
 89 0.0 0.0 0.0
 84 85.6 69.0 103.4





#27
1,2-Dichloroethane-d4
Concen: 29.890 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

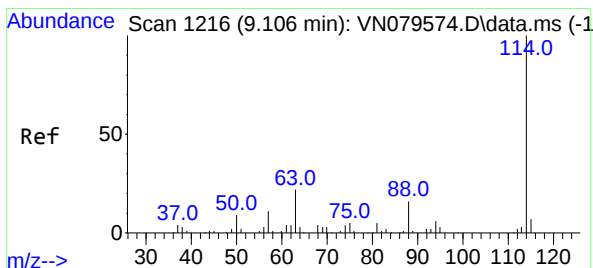
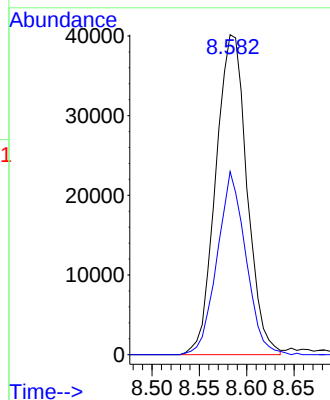
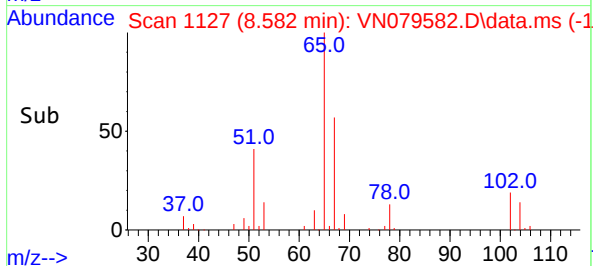
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



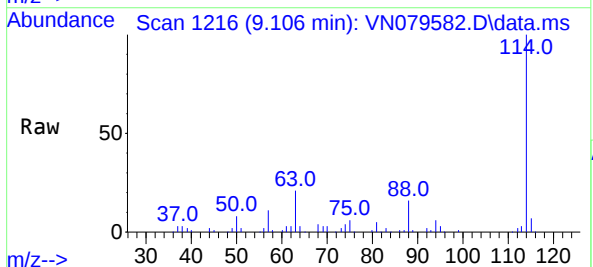
Tgt Ion: 65 Resp: 9209
Ion Ratio Lower Upper
65 100
67 52.5 42.1 63.1

Manual Integrations
APPROVED

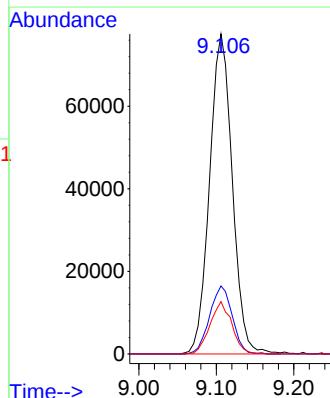
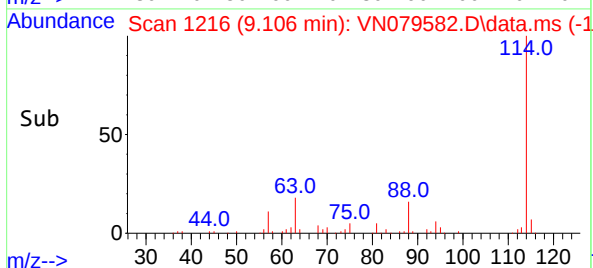
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

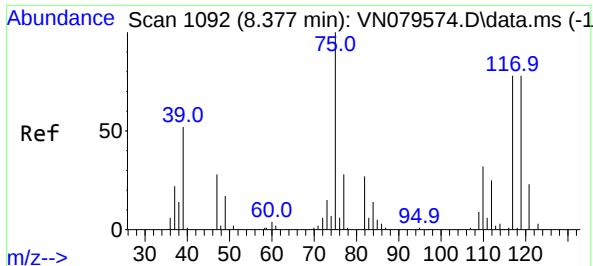


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



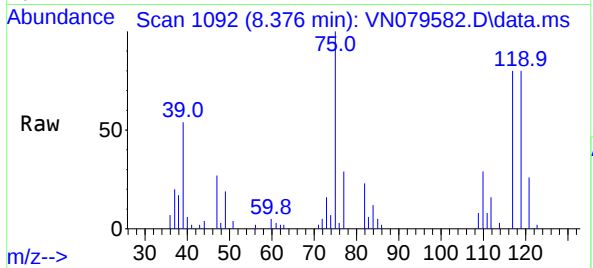
Tgt Ion:114 Resp: 157938
Ion Ratio Lower Upper
114 100
63 21.1 18.1 27.1
88 15.7 12.2 18.2





#29
1,1-Dichloropropene
Concen: 5.125 ug/l
RT: 8.376 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

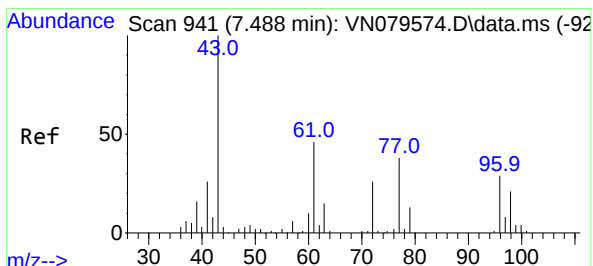
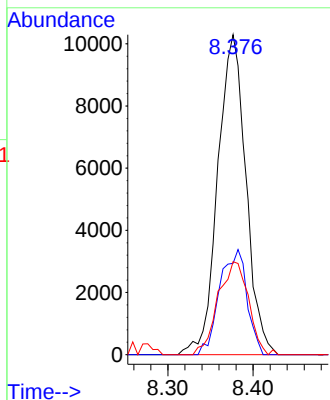
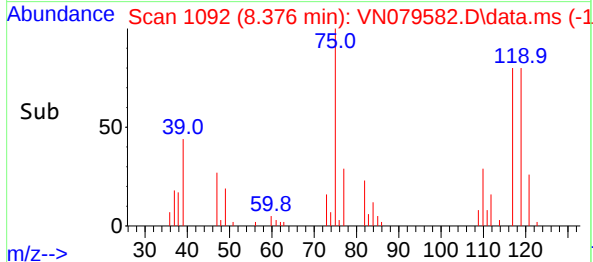
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



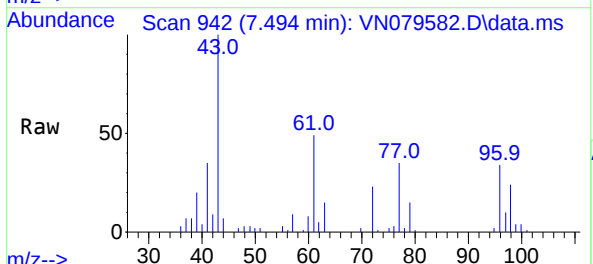
Tgt Ion: 75 Resp: 2365
Ion Ratio Lower Upper
75 100
110 17.9 0.0 66.8
77 31.1 0.0 61.2

Manual Integrations
APPROVED

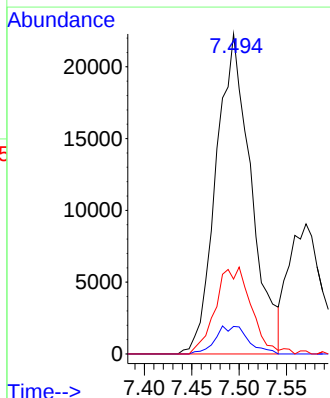
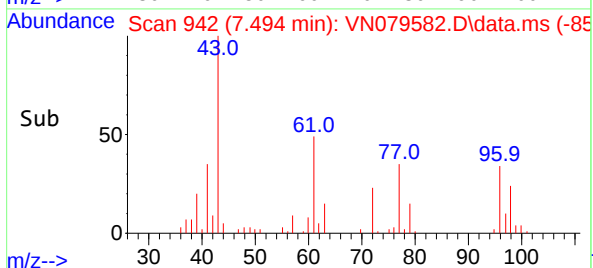
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

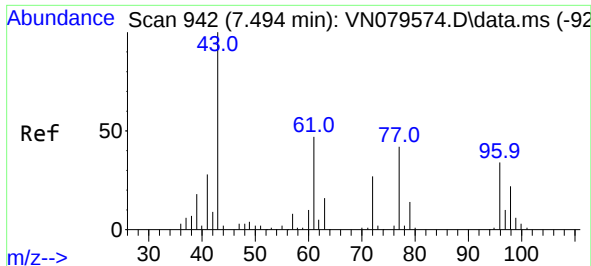


#30
2-Butanone
Concen: 24.744 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



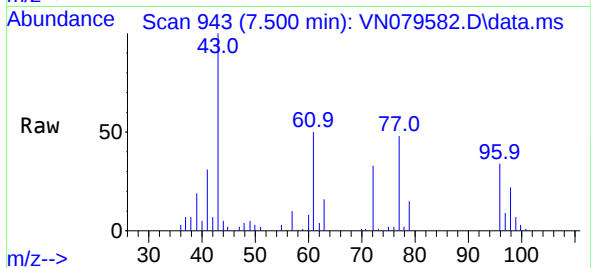
Tgt Ion: 43 Resp: 57246
Ion Ratio Lower Upper
43 100
57 4.5 6.4 9.6#
72 15.4 20.7 31.1#





#31
2,2-Dichloropropane
Concen: 4.828 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

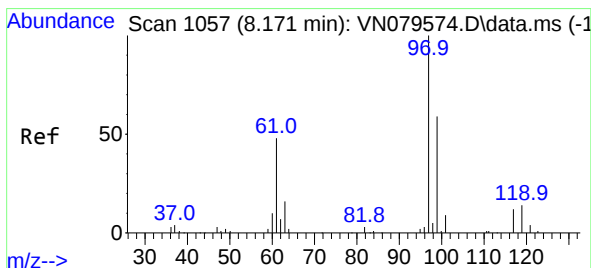
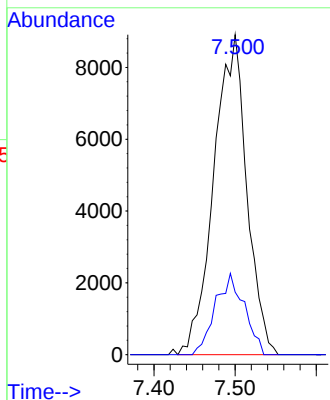
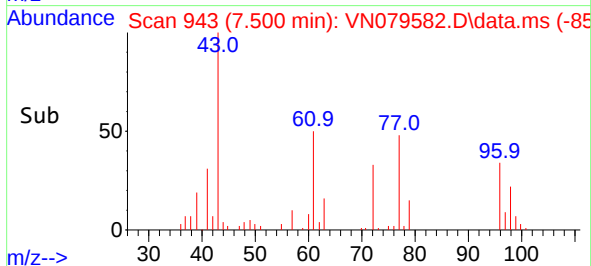
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



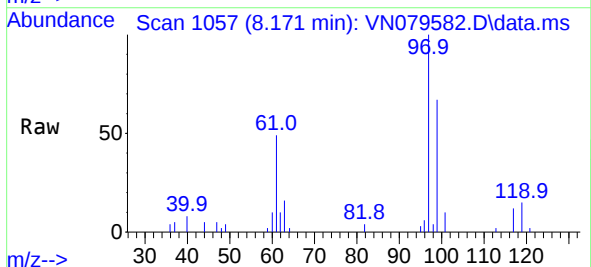
Tgt Ion: 77 Resp: 2512
Ion Ratio Lower Upper
77 100
97 14.8 17.9 26.9

Manual Integrations
APPROVED

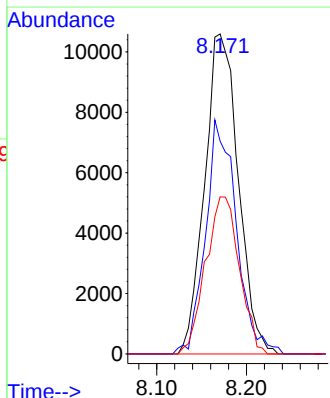
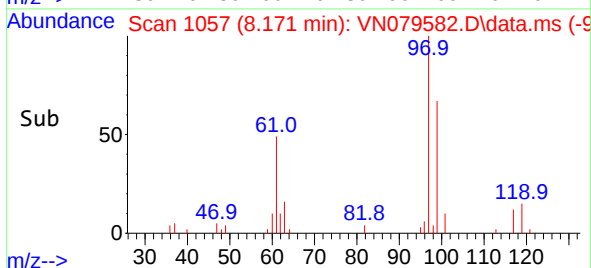
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

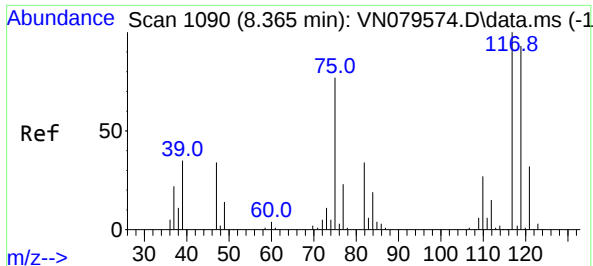


#32
1,1,1-Trichloroethane
Concen: 5.034 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



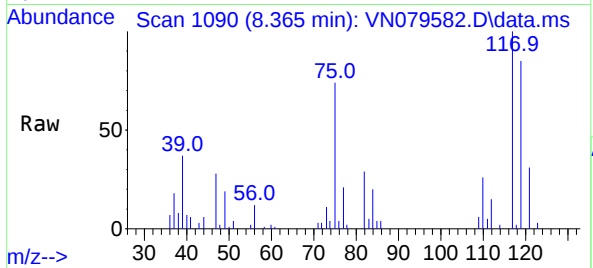
Tgt Ion: 97 Resp: 27615
Ion Ratio Lower Upper
97 100
99 63.9 51.9 77.9
61 49.2 37.6 56.4





#33
Carbon Tetrachloride
Concen: 5.135 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

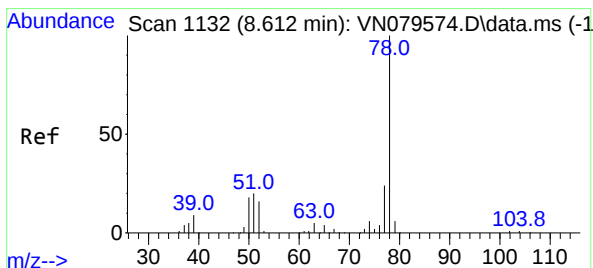
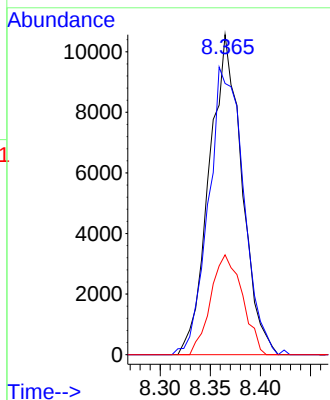
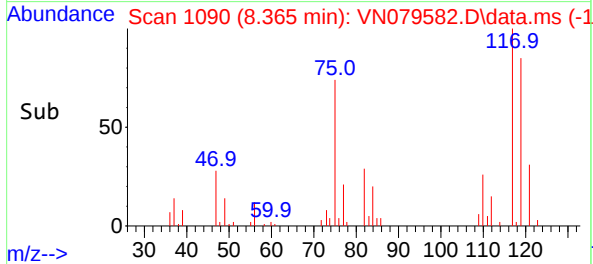
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2023



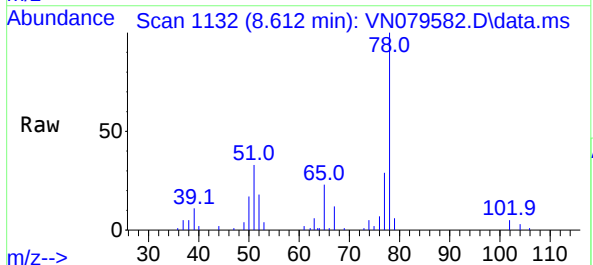
Tgt Ion: 117 Resp: 2395
Ion Ratio Lower Upper
117 100
119 84.7 75.0 112.6
121 31.2 24.3 36.5

Manual Integrations
APPROVED

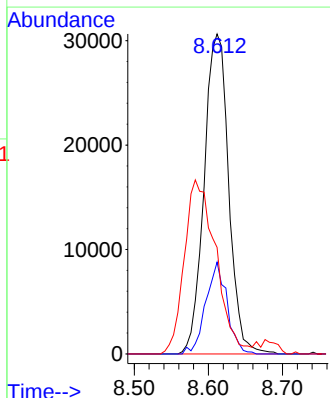
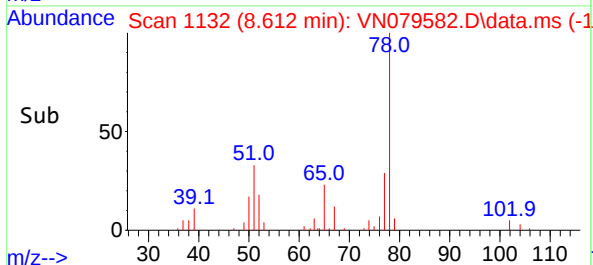
Reviewed By : John Carlone 10/18/2023
Supervised By : Mahesh Dadoda 10/20/2023

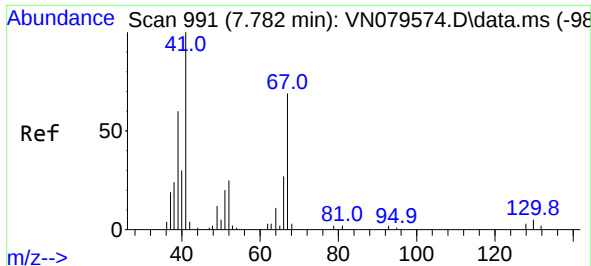


#34
Benzene
Concen: 5.034 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



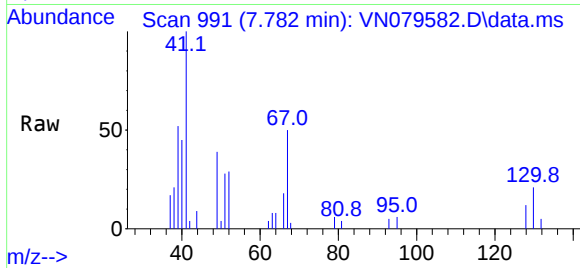
Tgt Ion: 78 Resp: 70587
Ion Ratio Lower Upper
78 100
77 28.7 19.7 29.5
51 30.4 15.8 23.6





#35
Methacrylonitrile
Concen: 4.890 ug/l
RT: 7.782 min Scan# 991
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

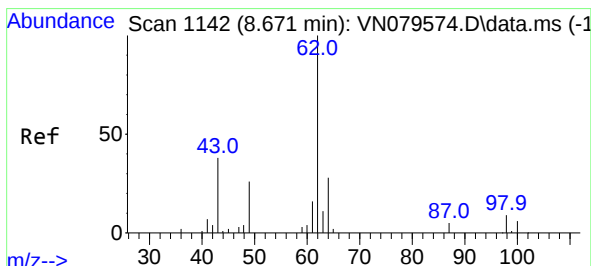
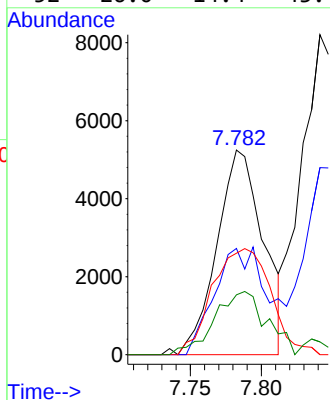
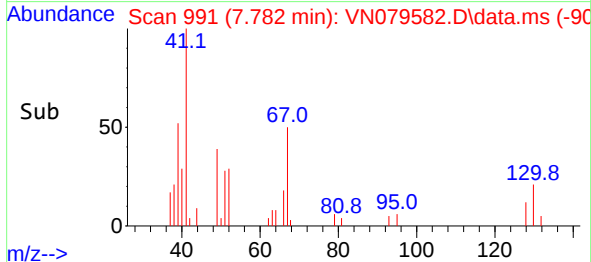
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2023



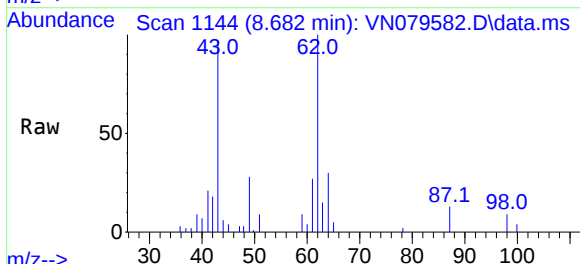
Tgt Ion: 41	Resp: 1190
Ion Ratio	Lower Upper
41 100	
39 51.9	26.3 78.8
67 49.5	37.5 112.3
52 26.0	14.4 43.4

Manual Integrations
APPROVED

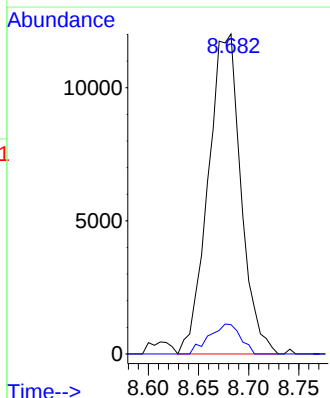
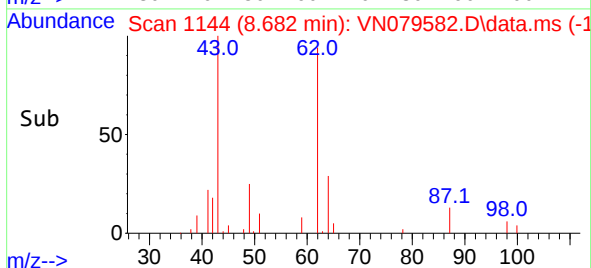
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

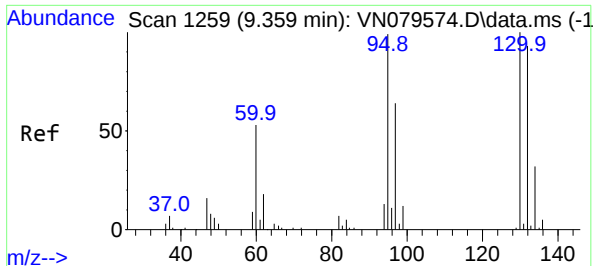


#36
1,2-Dichloroethane
Concen: 5.452 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



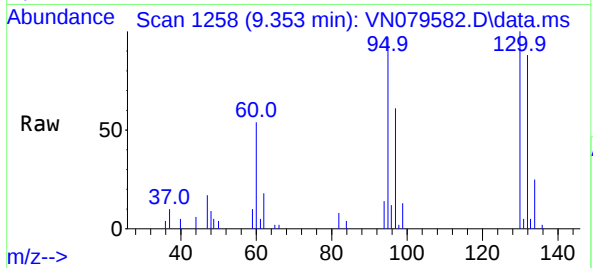
Tgt Ion: 62	Resp: 27297
Ion Ratio	Lower Upper
62 100	
98 8.9	7.2 10.8





#37
Trichloroethene
Concen: 5.254 ug/l
RT: 9.353 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

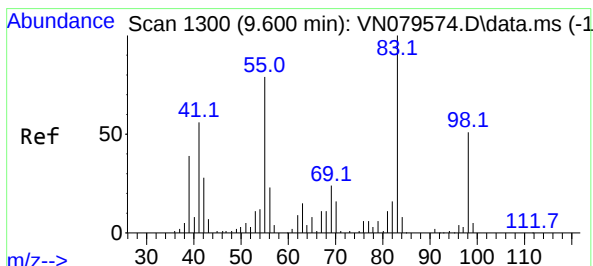
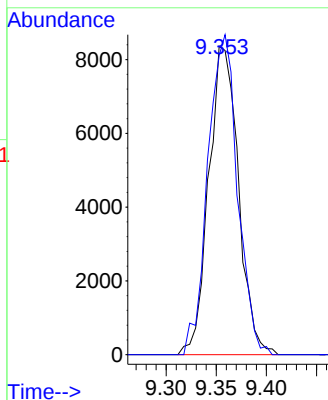
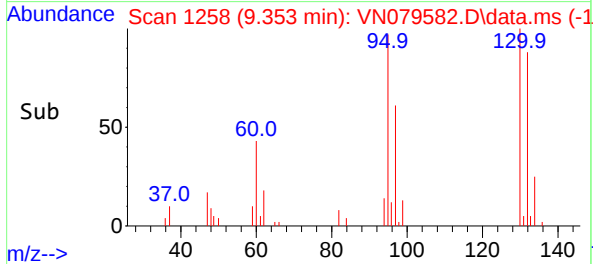
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



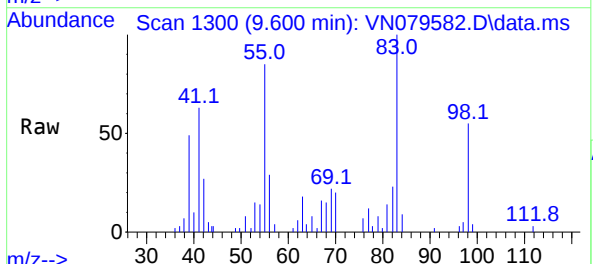
Tgt Ion:130 Resp: 1722
Ion Ratio Lower Upper
130 100
95 96.9 81.2 121.8

Manual Integrations
APPROVED

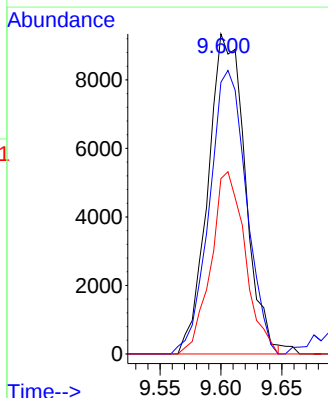
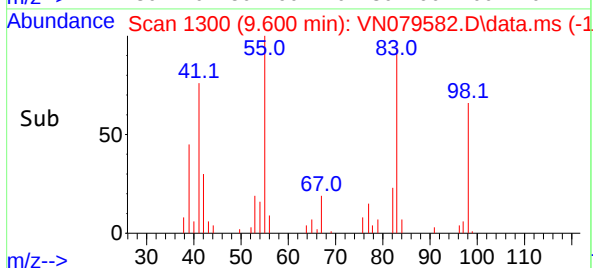
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

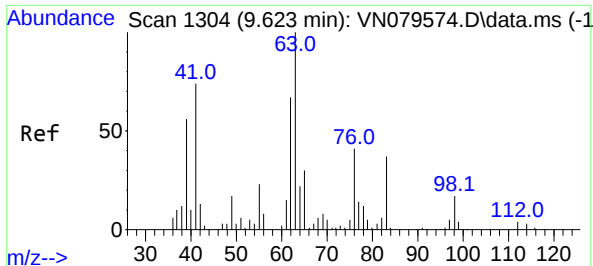


#38
Methylcyclohexane
Concen: 4.458 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



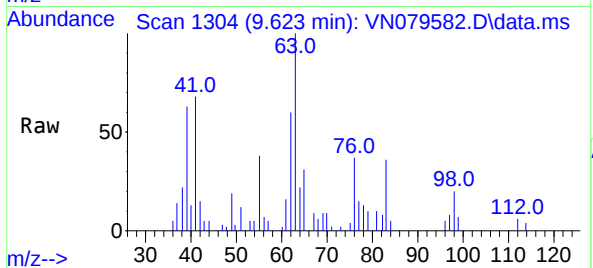
Tgt Ion: 83 Resp: 19811
Ion Ratio Lower Upper
83 100
55 88.3 39.7 119.1
98 52.3 24.4 73.2





#39
1,2-Dichloropropane
Concen: 5.160 ug/l
RT: 9.623 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

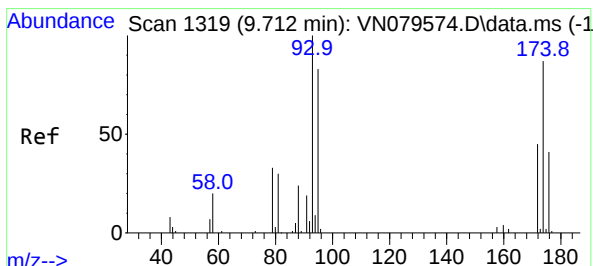
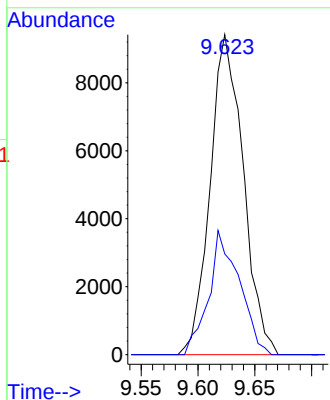
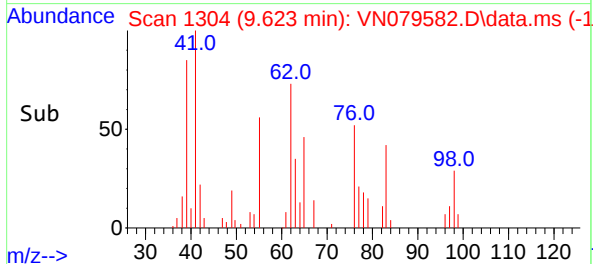
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



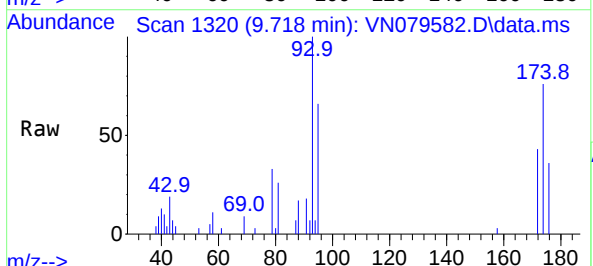
Tgt Ion: 63 Resp: 1909
Ion Ratio Lower Upper
63 100
65 31.5 25.3 37.9

Manual Integrations
APPROVED

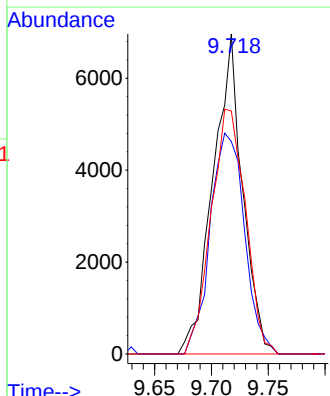
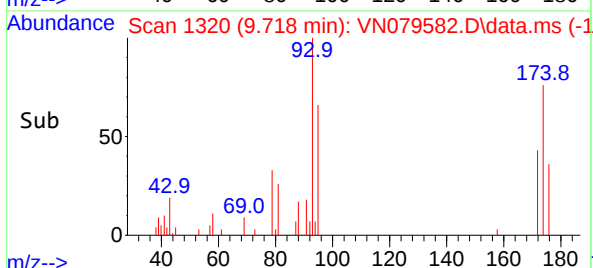
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

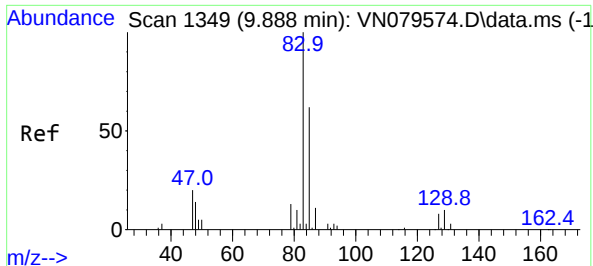


#40
Dibromomethane
Concen: 5.176 ug/l
RT: 9.718 min Scan# 1320
Delta R.T. 0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



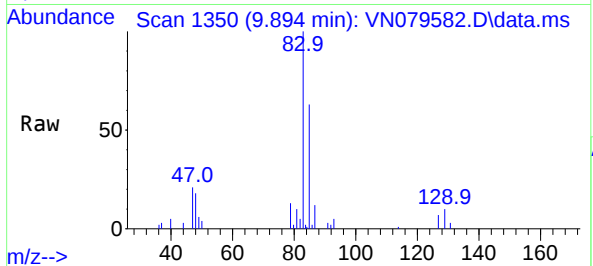
Tgt Ion: 93 Resp: 12571
Ion Ratio Lower Upper
93 100
95 80.5 0.0 166.6
174 89.1 0.0 171.0





#41
Bromodichloromethane
Concen: 5.069 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

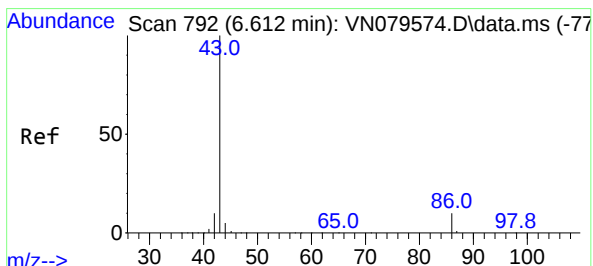
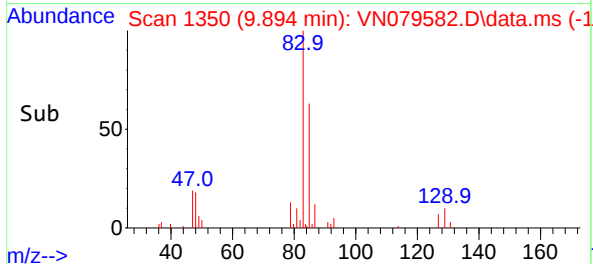
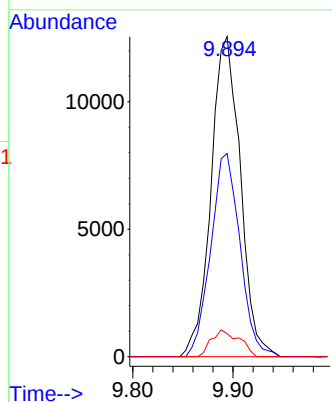
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 83 Resp: 2551
Ion Ratio Lower Upper
83 100
85 63.5 50.3 75.5
127 7.2 6.8 10.2

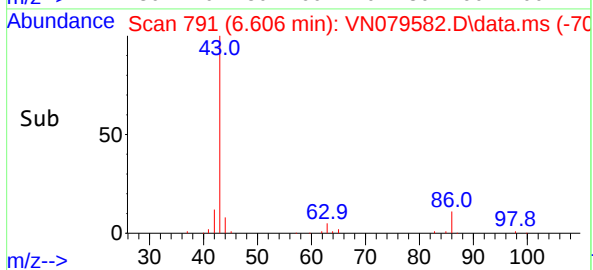
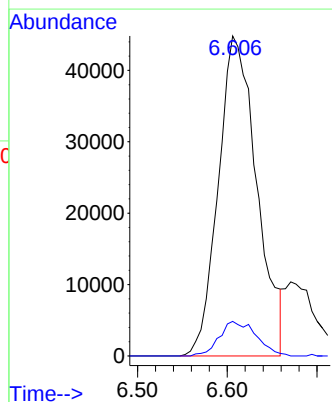
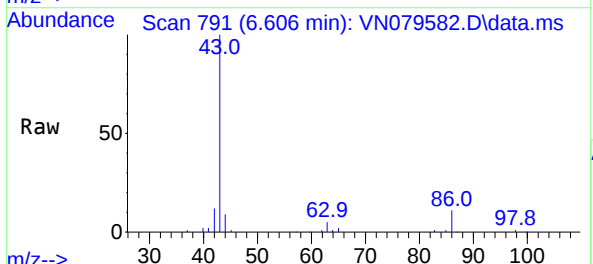
Manual Integrations
APPROVED

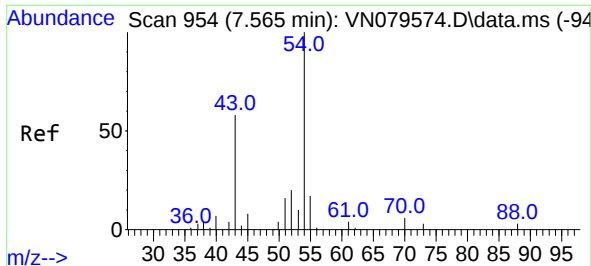
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#42
Vinyl Acetate
Concen: 22.792 ug/l
RT: 6.606 min Scan# 791
Delta R.T. -0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

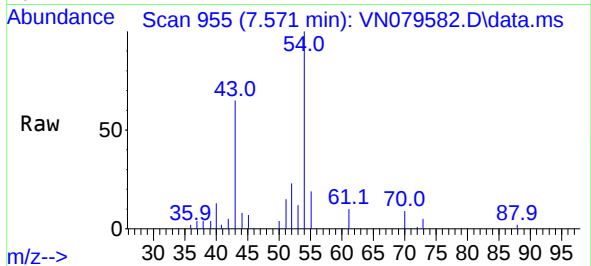
Tgt Ion: 43 Resp: 133765
Ion Ratio Lower Upper
43 100
86 6.7 8.2 12.2#





#43
Ethyl Acetate
Concen: 5.419 ug/l m
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

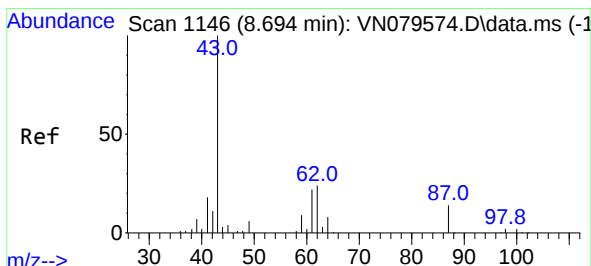
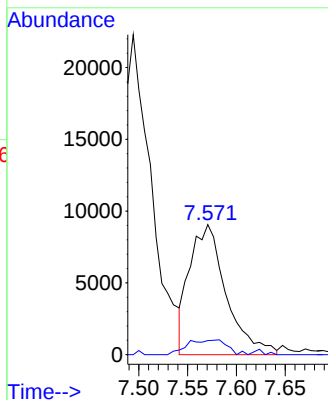
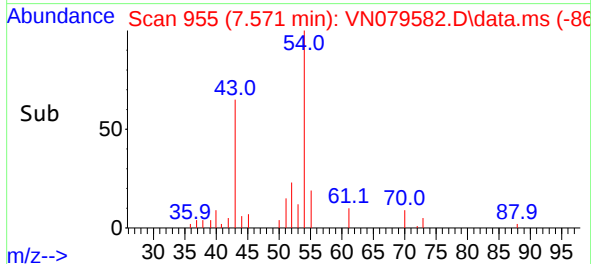
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 43 Resp: 23574
Ion Ratio Lower Upper
43 100
45 0.3 11.8 17.8

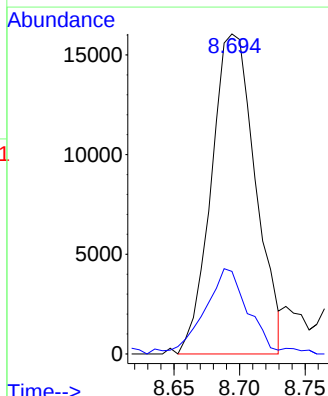
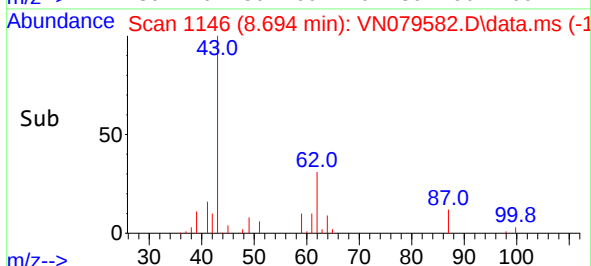
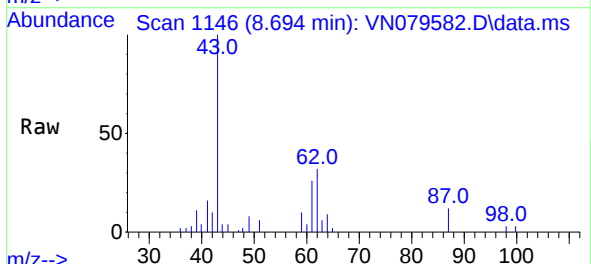
Manual Integrations
APPROVED

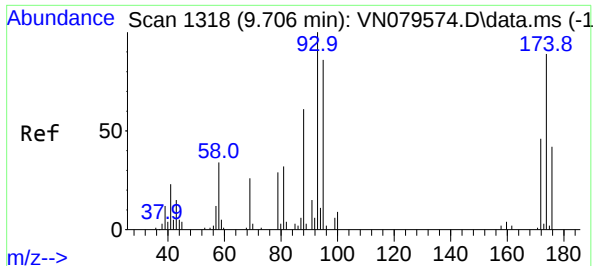
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#44
Isopropyl Acetate
Concen: 4.858 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Tgt Ion: 43 Resp: 37567
Ion Ratio Lower Upper
43 100
61 25.8 20.3 30.5





#45

1,4-Dioxane

Concen: 91.467 ug/l

RT: 9.700 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN079582.D

Acq: 17 Oct 2023 15:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 88 Resp: 553

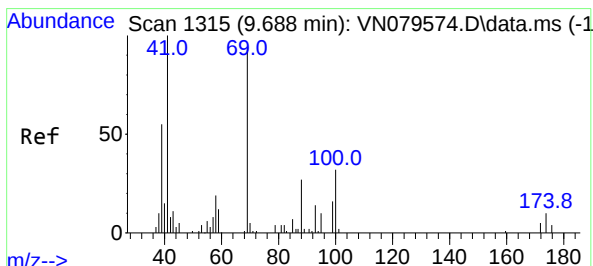
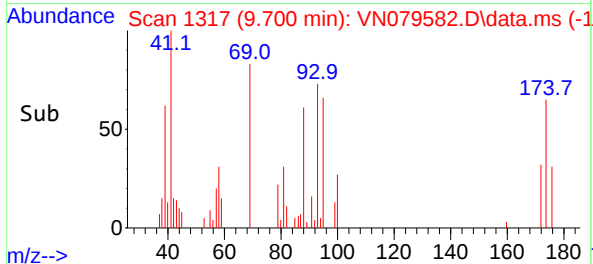
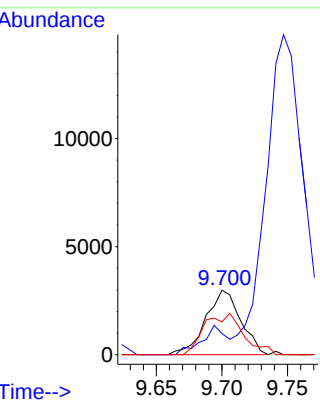
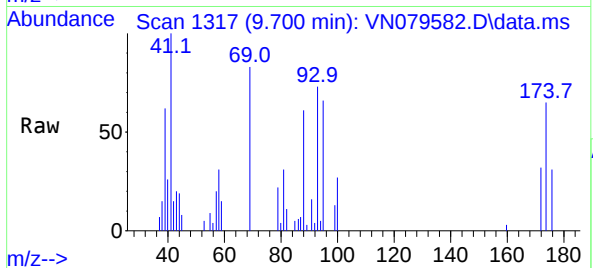
Ion	Ratio	Lower	Upper
88	100		
43	0.0	28.7	43.1
58	22.7	56.9	85.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/18/2023

Supervised By :Mahesh Dadoda 10/20/2023



#46

Methyl methacrylate

Concen: 4.870 ug/l

RT: 9.688 min Scan# 1315

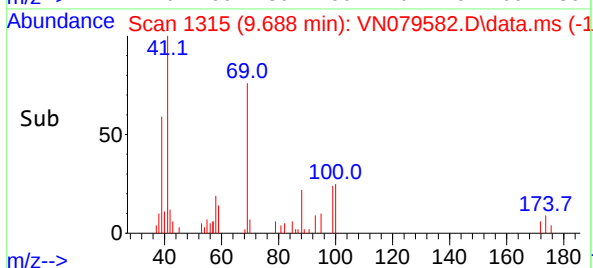
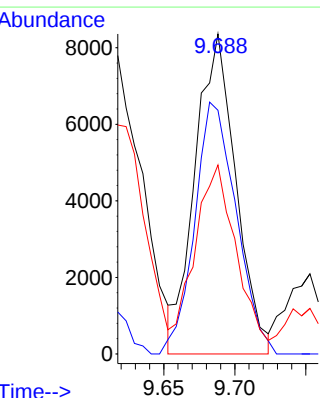
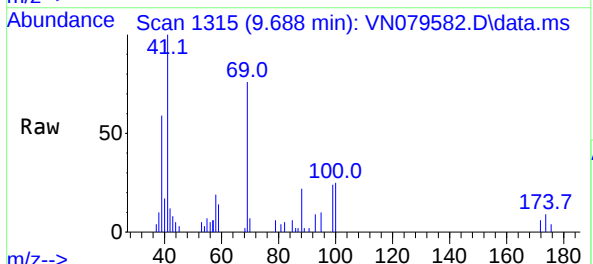
Delta R.T. -0.000 min

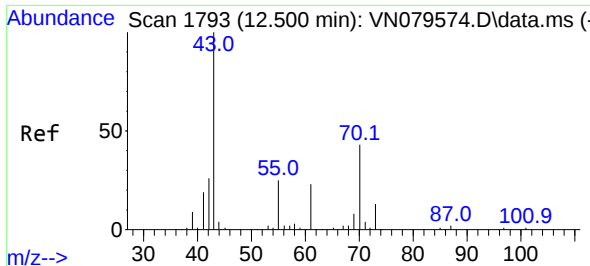
Lab File: VN079582.D

Acq: 17 Oct 2023 15:23

Tgt Ion: 41 Resp: 16707

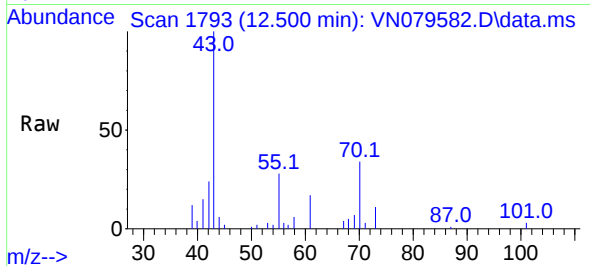
Ion	Ratio	Lower	Upper
41	100		
69	76.9	40.0	119.9
39	58.5	31.1	93.3





#47
n-amyl acetate
Concen: 4.267 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

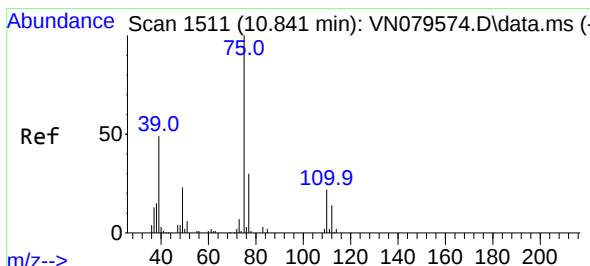
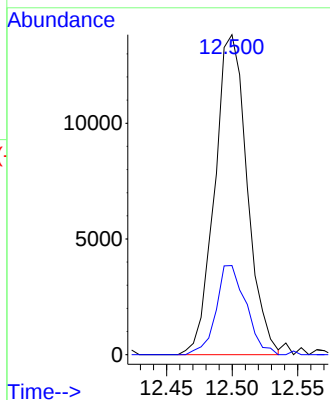
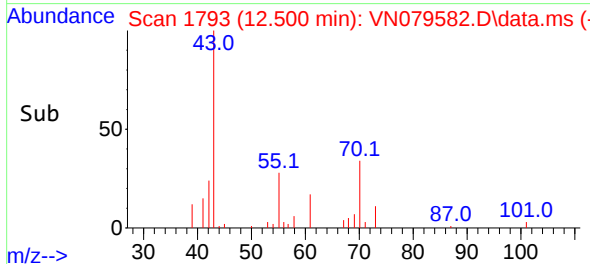
Instrument : MSVOA_N
ClientSampleId : VN079582.D
LOQ-WATER-02-QT4-2023



Tgt Ion: 43 Resp: 23810
Ion Ratio Lower Upper
43 100
55 25.7 20.7 31.1

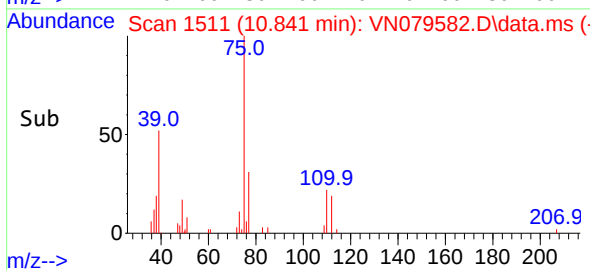
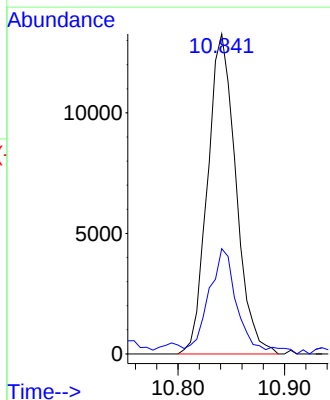
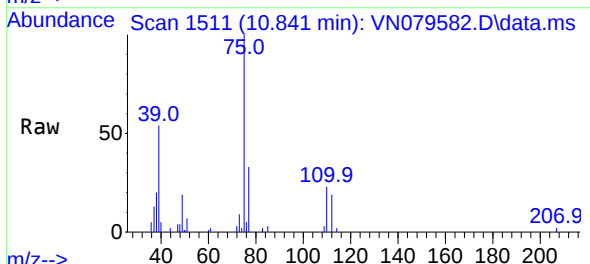
Manual Integrations
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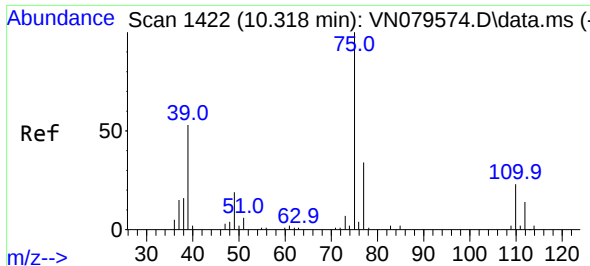
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#48
t-1,3-Dichloropropene
Concen: 4.815 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

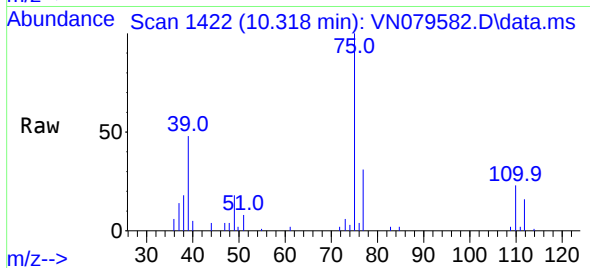
Tgt Ion: 75 Resp: 24499
Ion Ratio Lower Upper
75 100
77 31.2 25.6 38.4





#49
 cis-1,3-Dichloropropene
 Concen: 4.733 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN079582.D
 Acq: 17 Oct 2023 15:23

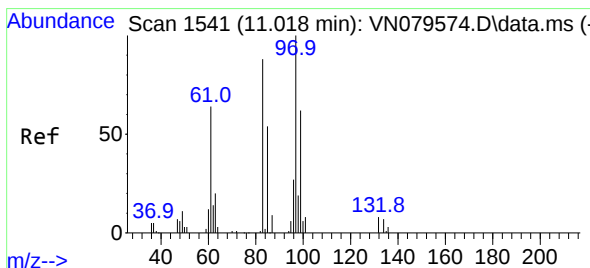
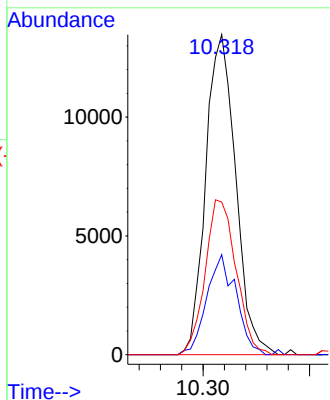
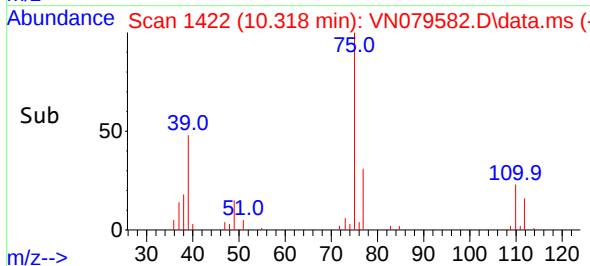
Instrument : MSVOA_N
 ClientSampleId : VN079582.D
 LOQ-WATER-02-QT4-2023



Tgt Ion: 75 Resp: 26334
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.6
 39 47.7 42.4 63.6

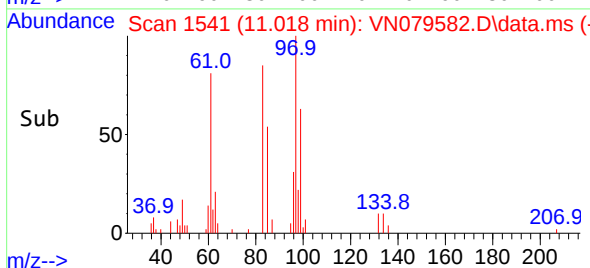
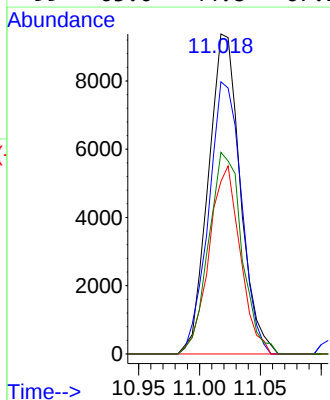
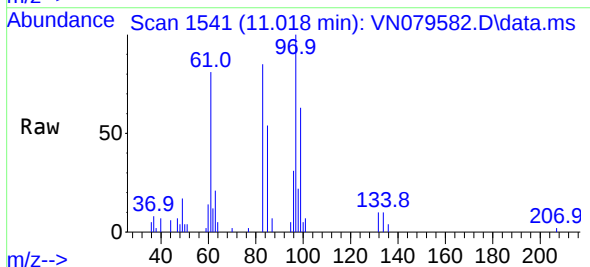
Manual Integrations
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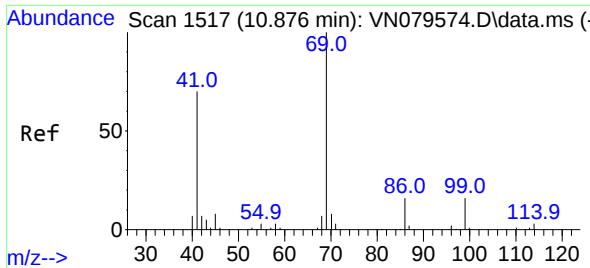
Reviewed By :John Carlone 10/18/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#50
 1,1,2-Trichloroethane
 Concen: 5.075 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. -0.000 min
 Lab File: VN079582.D
 Acq: 17 Oct 2023 15:23

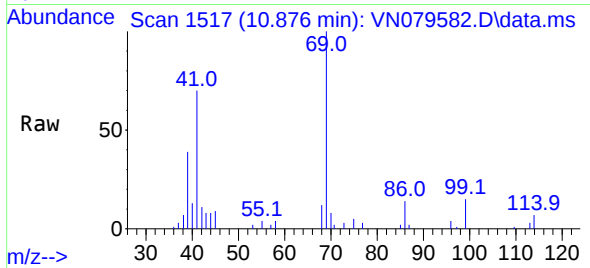
Tgt Ion: 97 Resp: 17098
 Ion Ratio Lower Upper
 97 100
 83 85.1 68.2 102.4
 85 53.9 42.9 64.3
 99 63.0 44.8 67.2





#51
Ethyl methacrylate
Concen: 4.597 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

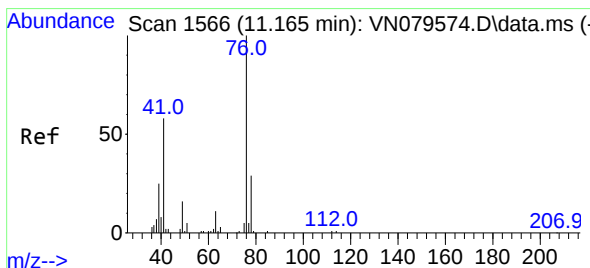
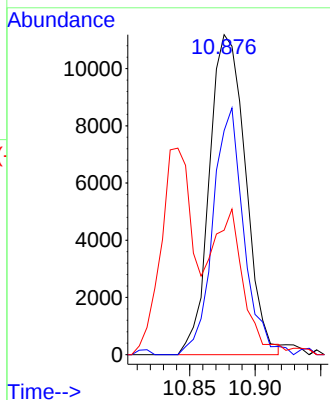
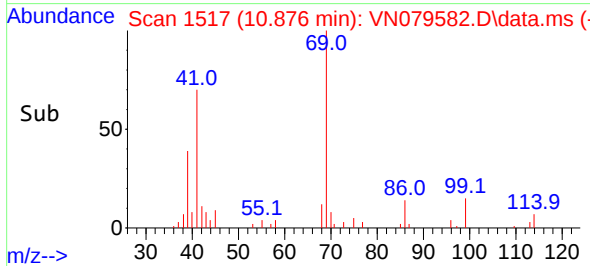
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



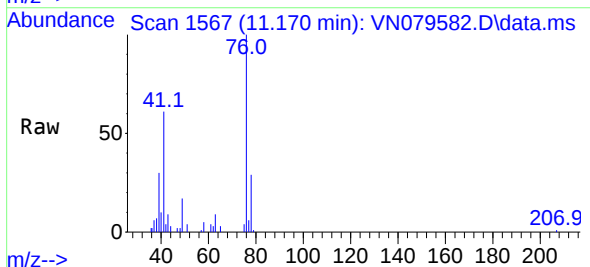
Tgt Ion: 69 Resp: 21369
Ion Ratio Lower Upper
69 100
41 70.0 33.8 101.3
39 35.7 21.3 63.9

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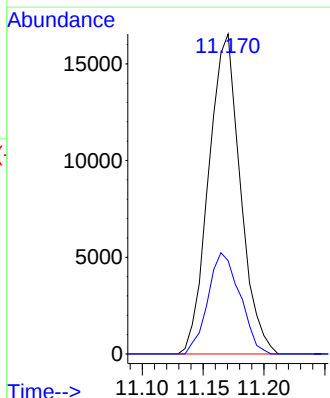
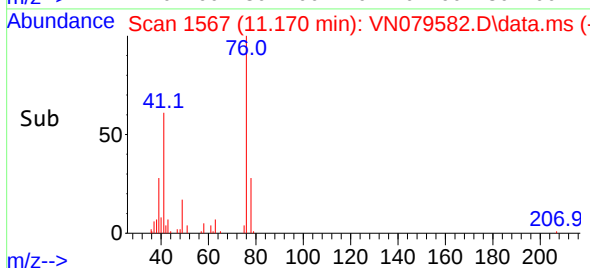
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

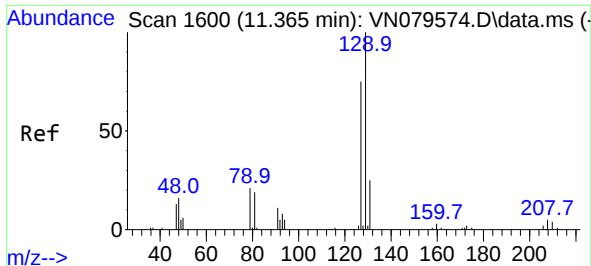


#52
1,3-Dichloropropane
Concen: 5.009 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



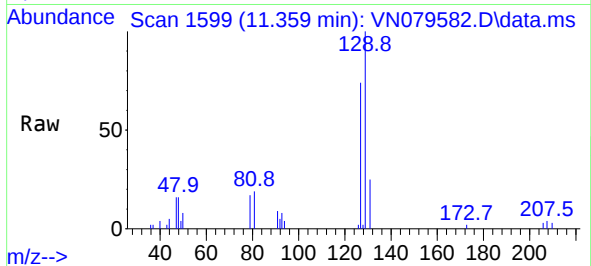
Tgt Ion: 76 Resp: 29896
Ion Ratio Lower Upper
76 100
78 32.0 0.0 64.0





#53
Dibromochloromethane
Concen: 4.961 ug/l
RT: 11.359 min Scan# 11359
Delta R.T. -0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

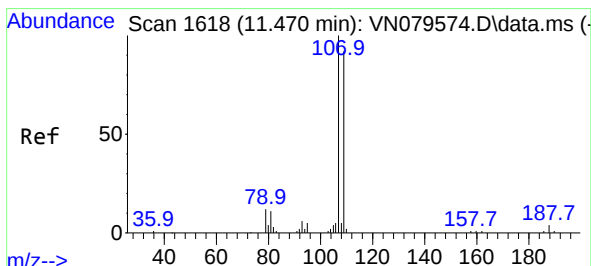
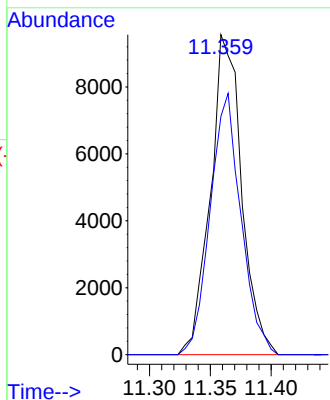
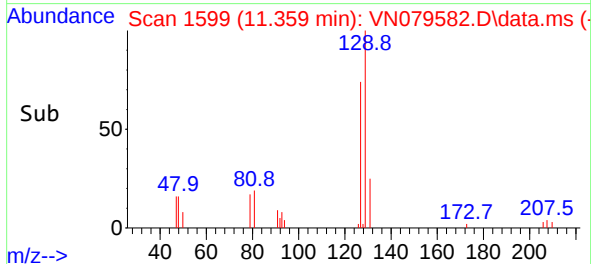
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion:129 Resp: 17082
Ion Ratio Lower Upper
129 100
127 80.5 38.8 116.3

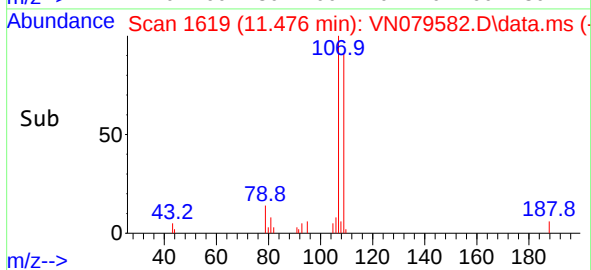
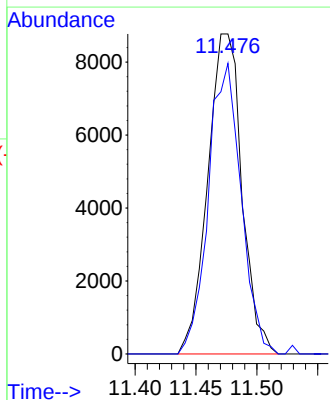
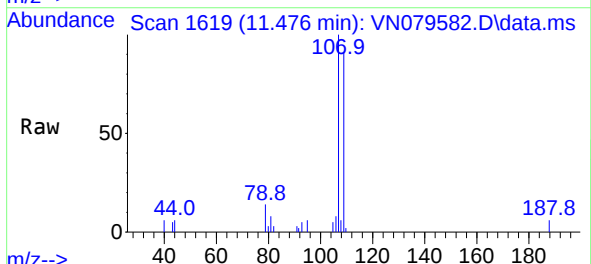
Manual Integrations
APPROVED

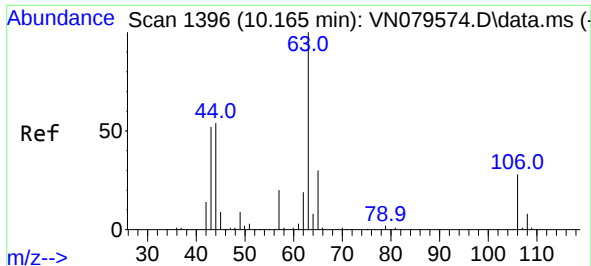
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#54
1,2-Dibromoethane
Concen: 5.158 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

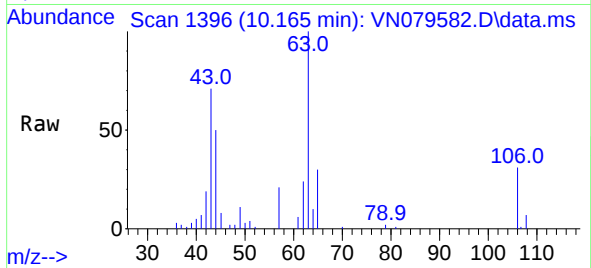
Tgt Ion:107 Resp: 17144
Ion Ratio Lower Upper
107 100
109 87.0 73.2 109.8





#55
2-Chloroethyl vinyl ether
Concen: 18.757 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

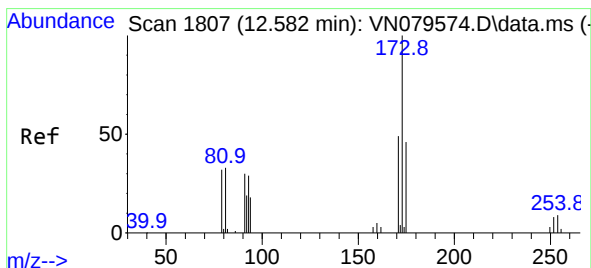
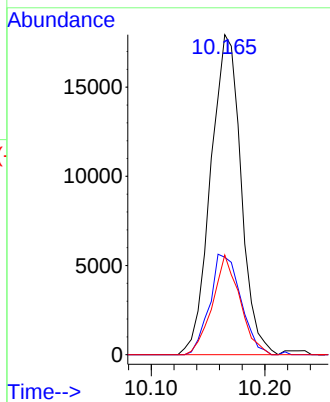
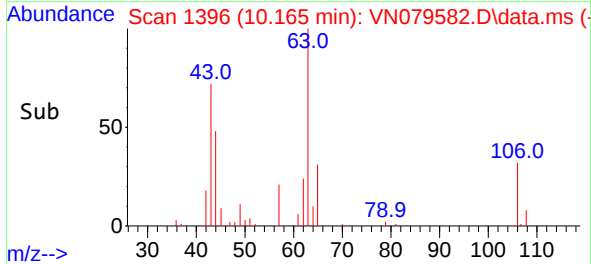
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 63 Resp: 3326
Ion Ratio Lower Upper
63 100
65 32.1 25.9 38.9
106 28.3 20.6 30.8

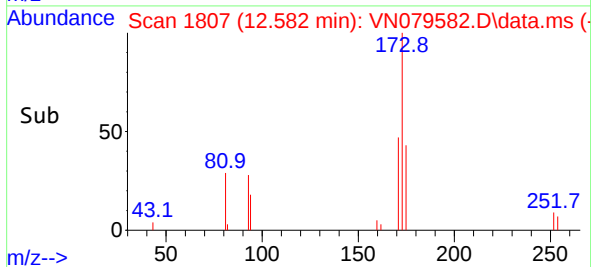
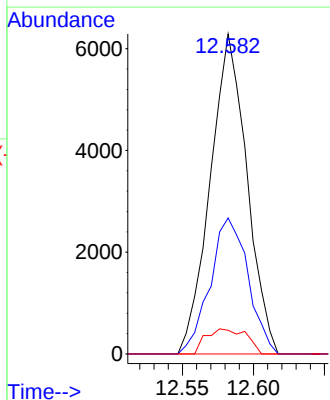
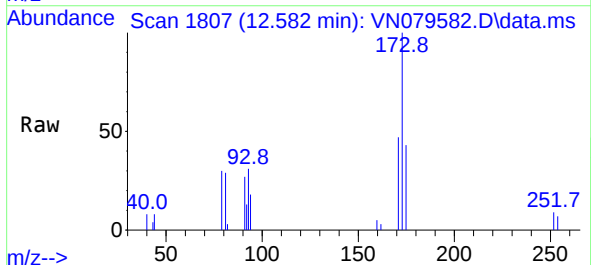
Manual Integrations
APPROVED

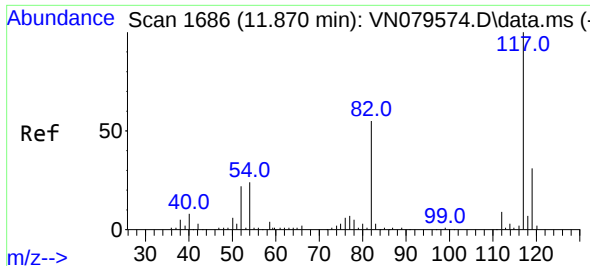
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#56
Bromoform
Concen: 4.954 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

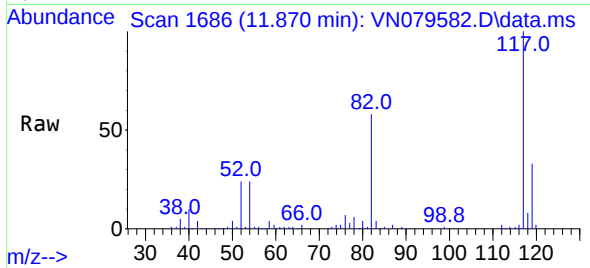
Tgt Ion:173 Resp: 11285
Ion Ratio Lower Upper
173 100
175 44.0 37.9 56.9
254 6.5 7.3 10.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

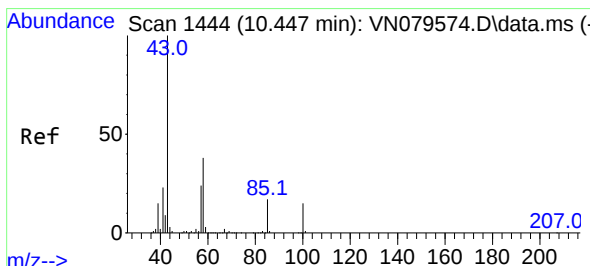
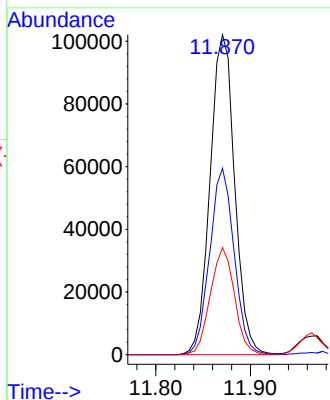
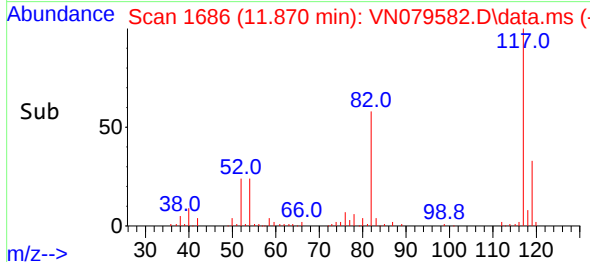
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



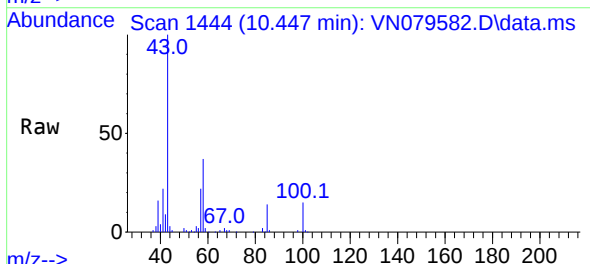
Tgt Ion:117 Resp: 18452
Ion Ratio Lower Upper
117 100
82 57.8 46.2 69.2
119 32.7 25.2 37.8

Manual Integrations
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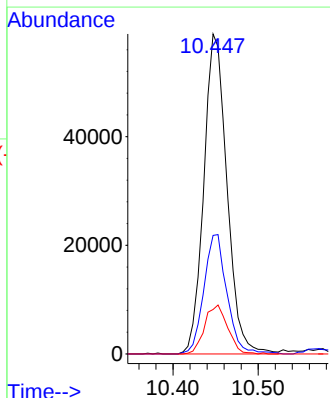
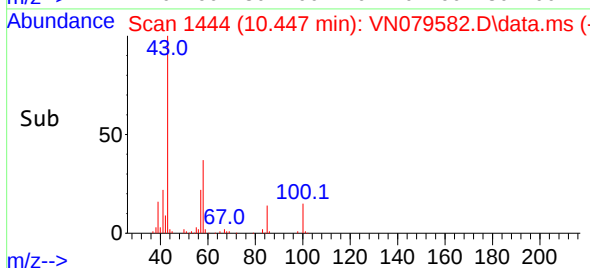
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

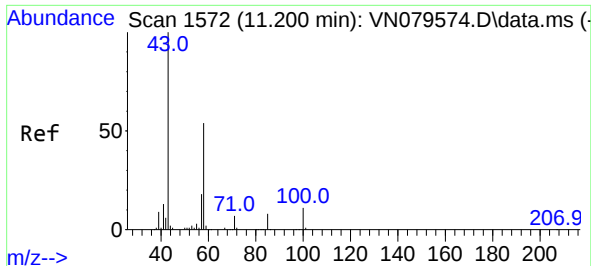


#58
4-Methyl-2-Pentanone
Concen: 25.934 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



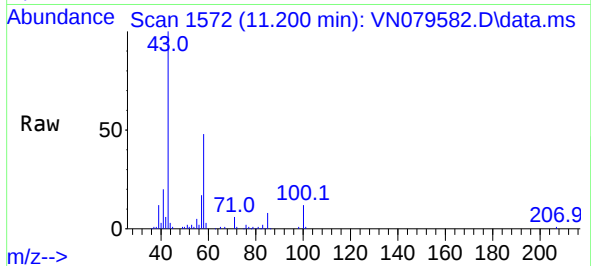
Tgt Ion: 43 Resp: 111619
Ion Ratio Lower Upper
43 100
58 36.9 30.4 45.6
85 15.1 13.2 19.8





#59
2-Hexanone
Concen: 24.400 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

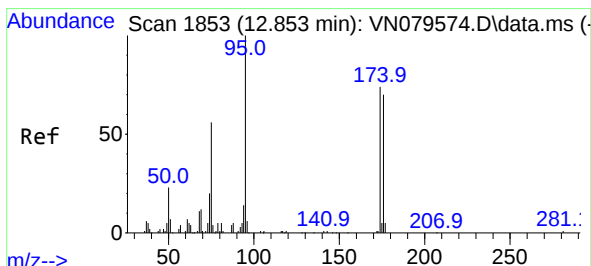
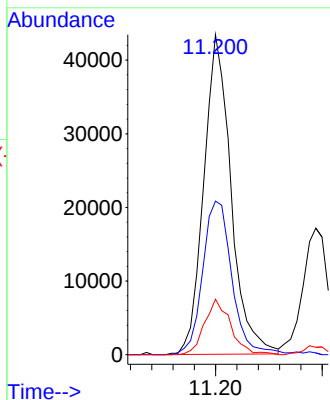
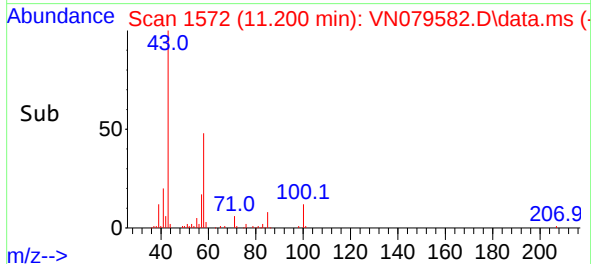
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 43 Resp: 7704
Ion Ratio Lower Upper
43 100
58 51.5 42.3 63.5
57 16.4 13.9 20.9

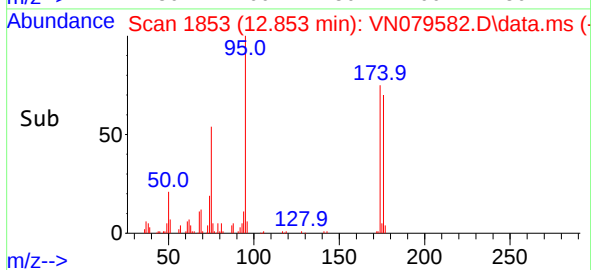
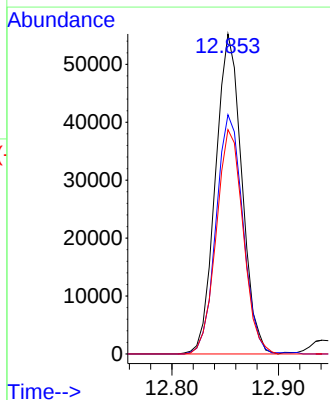
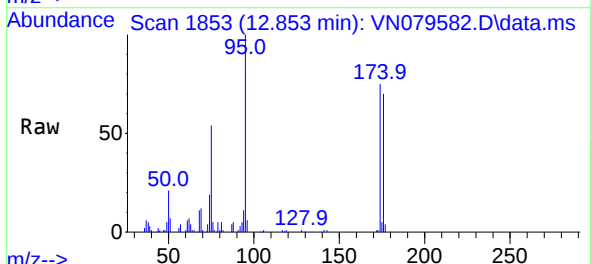
Manual Integrations
APPROVED

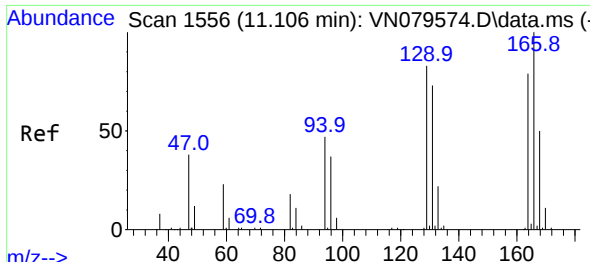
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#60
4-Bromofluorobenzene
Concen: 28.033 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

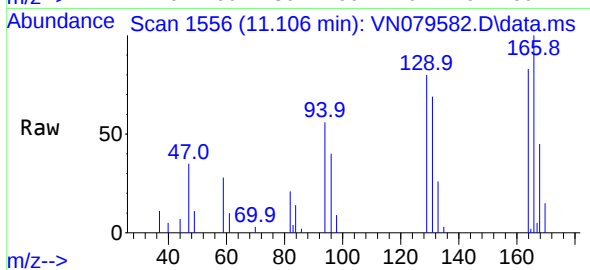
Tgt Ion: 95 Resp: 94593
Ion Ratio Lower Upper
95 100
174 76.2 60.5 90.7
176 71.6 57.2 85.8





#61
Tetrachloroethene
Concen: 5.477 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

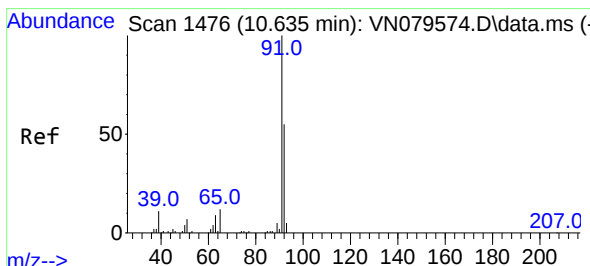
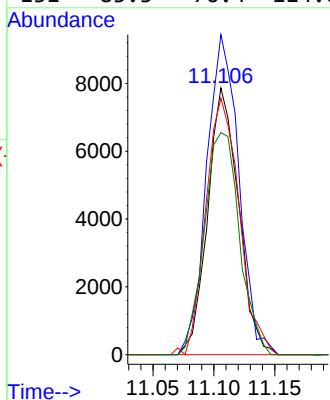
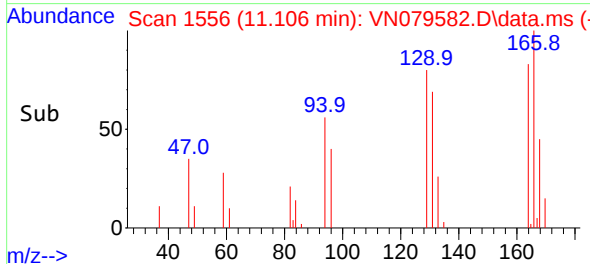
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



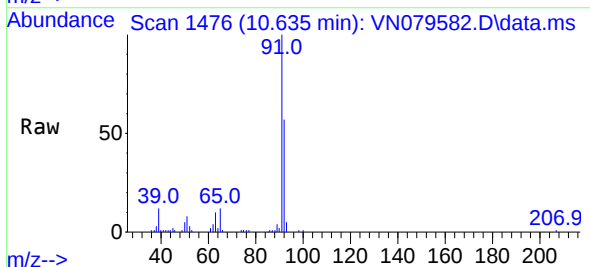
Tgt Ion:164 Resp: 1387
Ion Ratio Lower Upper
164 100
166 120.0 98.2 147.4
129 96.2 75.0 112.4
131 83.3 76.4 114.6

Manual Integrations
APPROVED

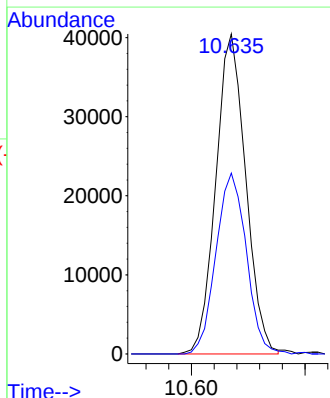
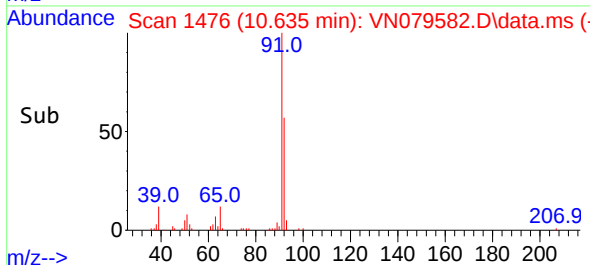
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

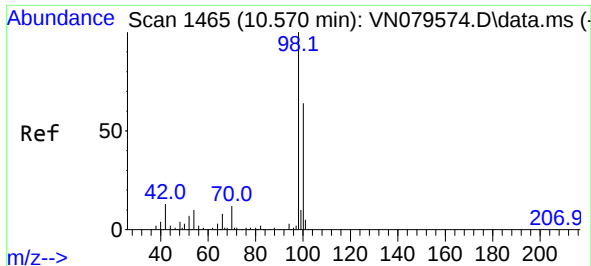


#62
Toluene
Concen: 5.244 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



Tgt Ion: 91 Resp: 73957
Ion Ratio Lower Upper
91 100
92 57.3 45.3 67.9





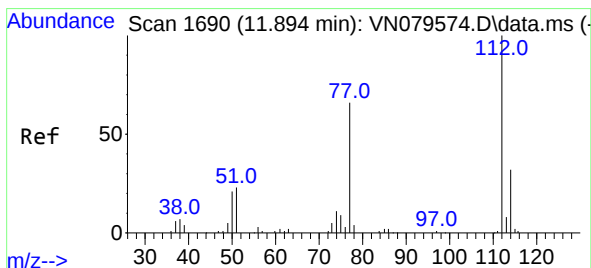
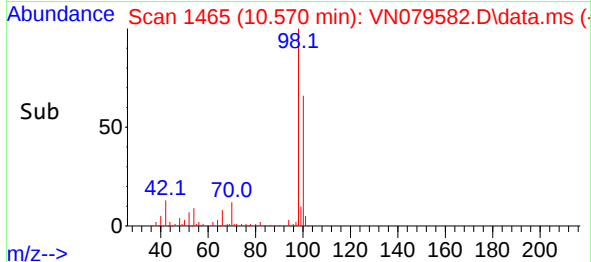
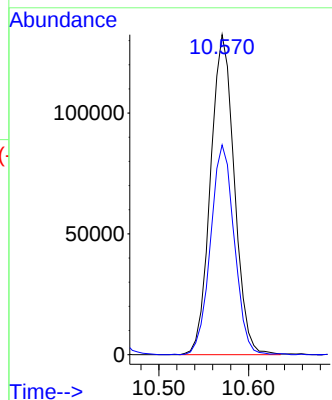
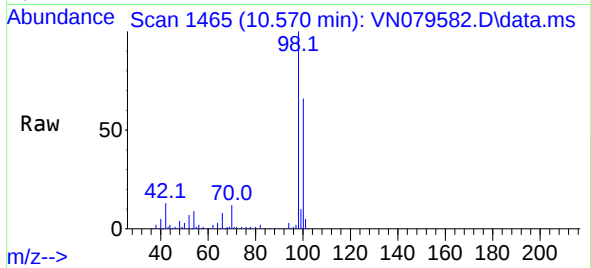
#63
Toluene-d8
Concen: 30.852 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2023

Tgt Ion: 98 Resp: 24394
Ion Ratio Lower Upper
98 100
100 65.3 51.6 77.4

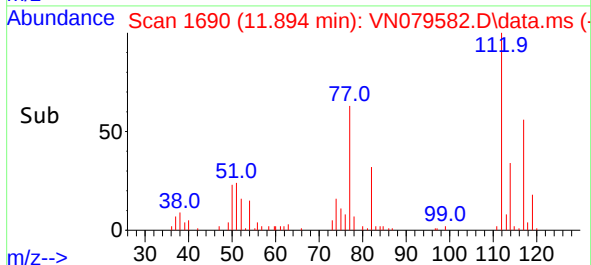
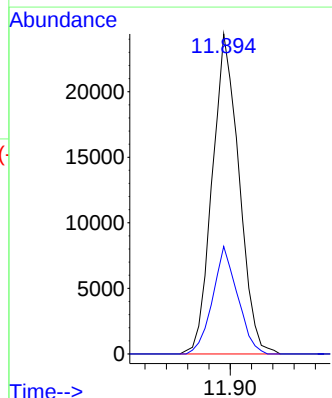
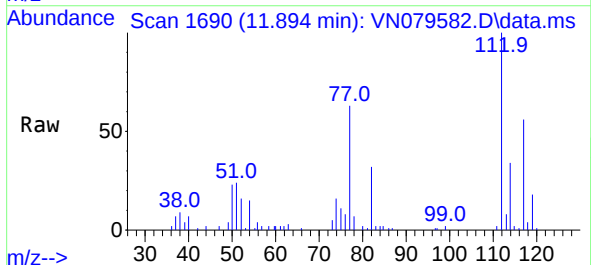
Manual Integrations
APPROVED

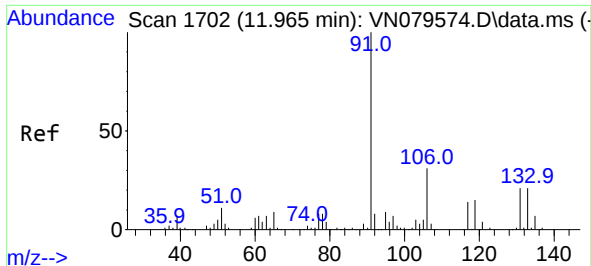
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#64
Chlorobenzene
Concen: 5.206 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Tgt Ion:112 Resp: 42579
Ion Ratio Lower Upper
112 100
114 33.6 28.1 42.1





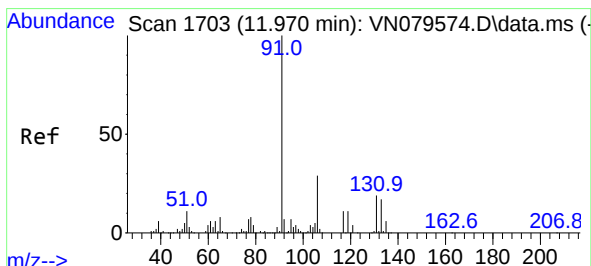
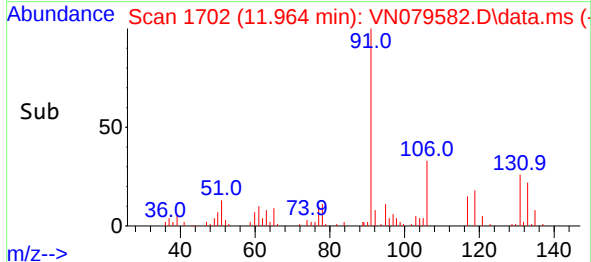
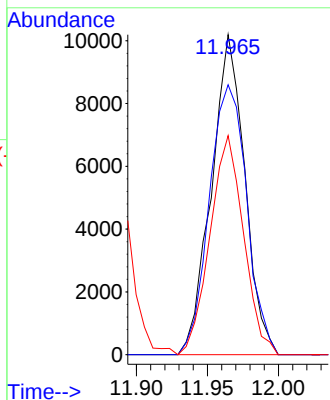
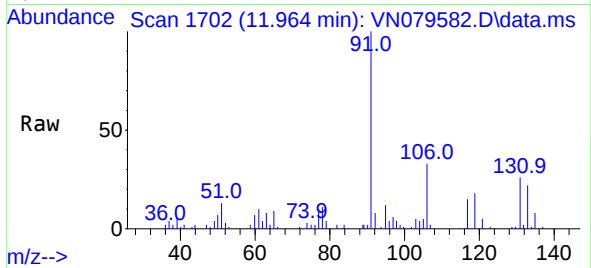
#65
1,1,1,2-Tetrachloroethane
Concen: 5.354 ug/l
RT: 11.964 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:131 Resp: 1668
Ion Ratio Lower Upper
131 100
133 94.5 0.0 196.0
119 68.9 0.0 135.6

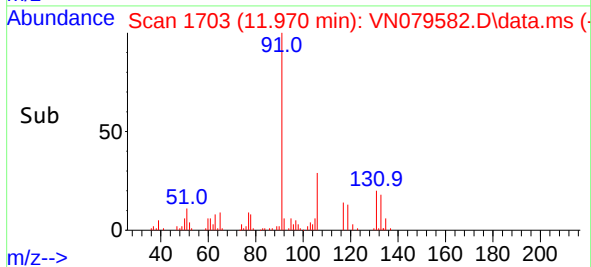
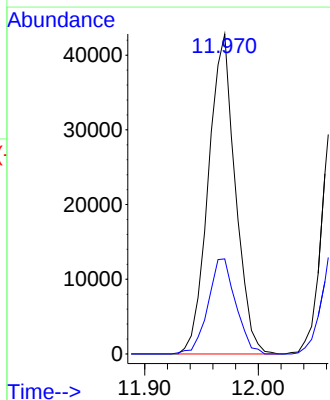
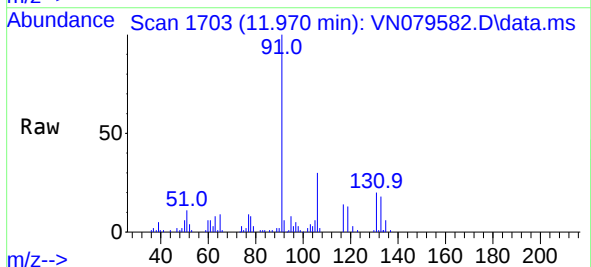
Manual Integrations
APPROVED

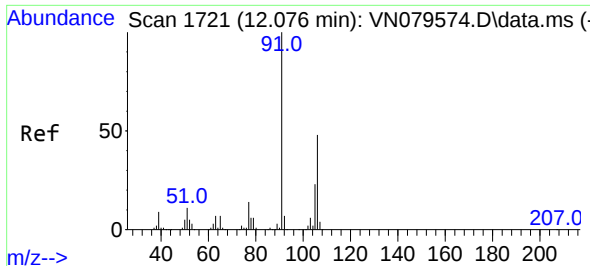
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#66
Ethyl Benzene
Concen: 4.858 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Tgt Ion: 91 Resp: 70587
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.8





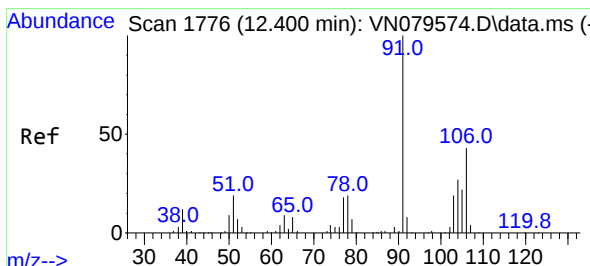
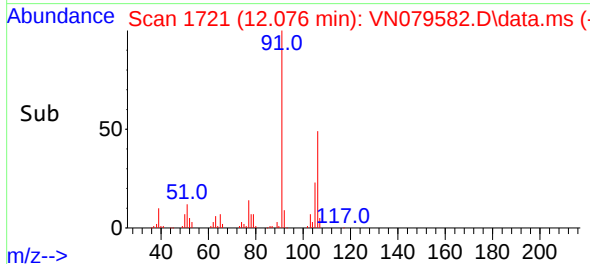
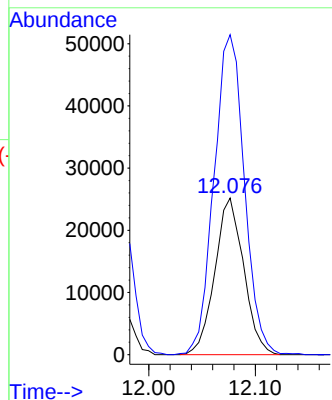
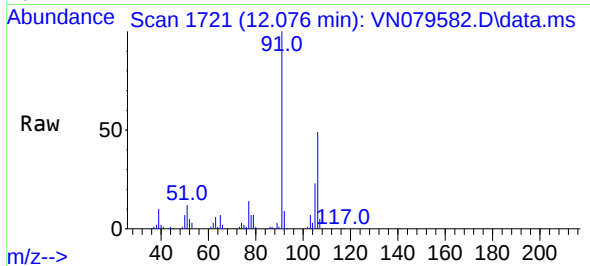
#67
m/p-Xylenes
Concen: 8.806 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:106 Resp: 47325
Ion Ratio Lower Upper
106 100
91 214.9 161.8 242.6

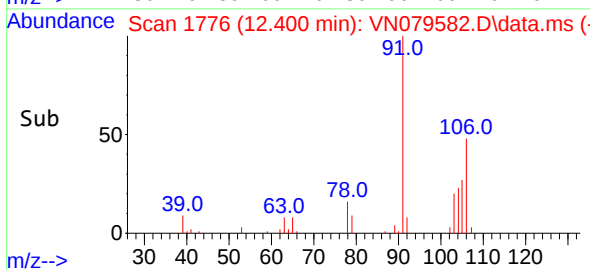
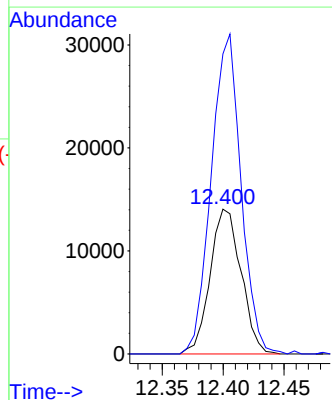
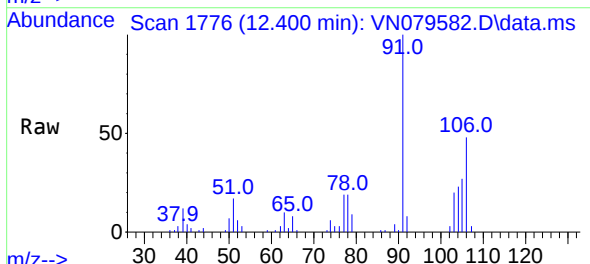
Manual Integrations
APPROVED

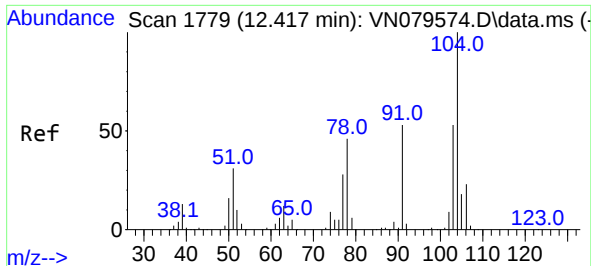
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#68
o-Xylene
Concen: 4.850 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

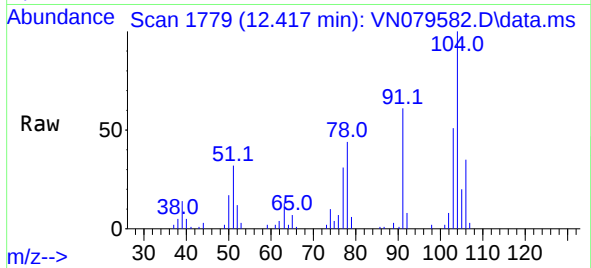
Tgt Ion:106 Resp: 24916
Ion Ratio Lower Upper
106 100
91 212.3 109.9 329.7





#69
Styrene
Concen: 4.238 ug/l
RT: 12.417 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

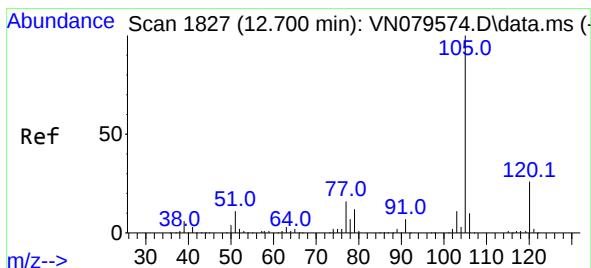
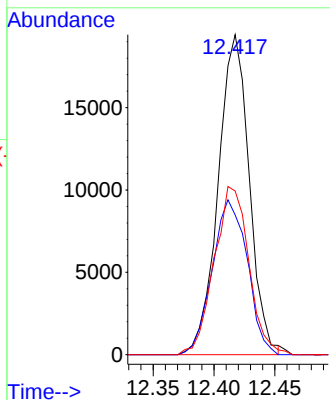
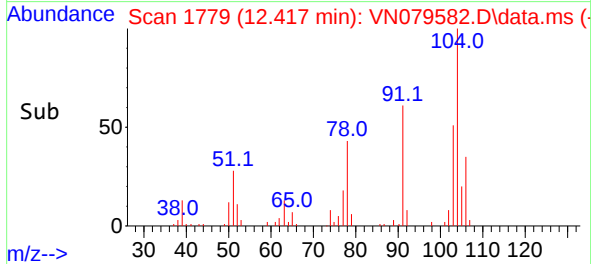
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



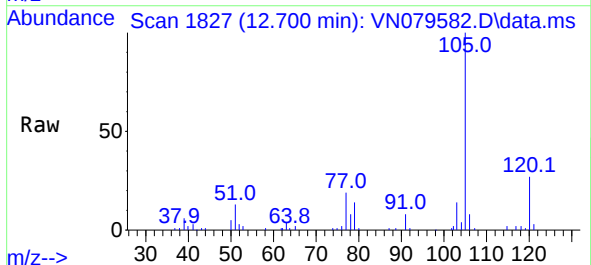
Tgt Ion:104 Resp: 3456
Ion Ratio Lower Upper
104 100
78 54.4 41.2 61.8
103 58.5 43.1 64.7

Manual Integrations
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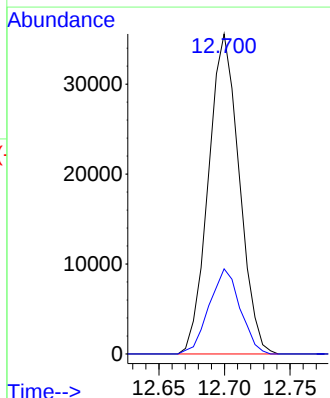
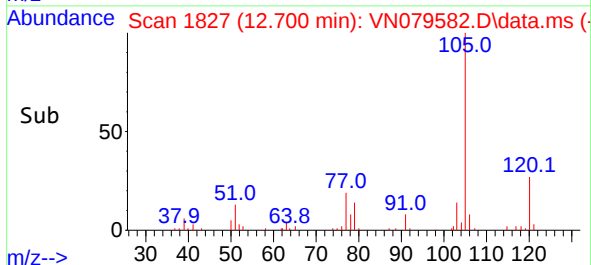
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

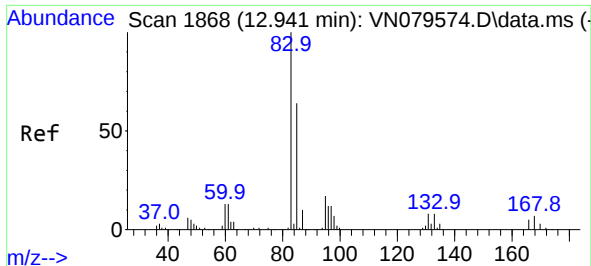


#70
Isopropylbenzene
Concen: 4.409 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



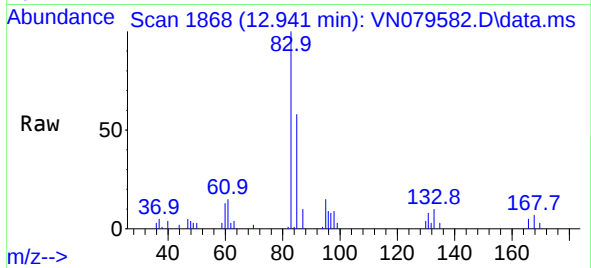
Tgt Ion:105 Resp: 58137
Ion Ratio Lower Upper
105 100
120 26.8 18.1 33.5





#71
1,1,2,2-Tetrachloroethane
Concen: 5.633 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

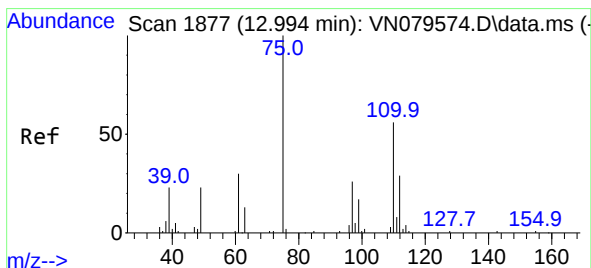
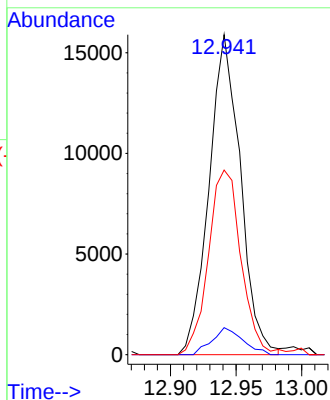
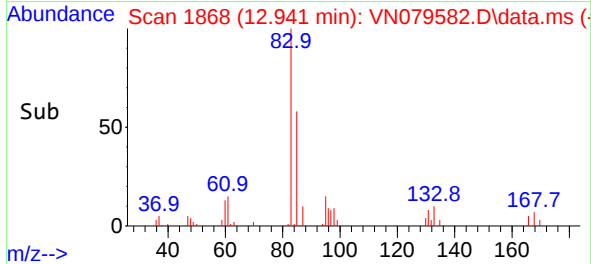
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 83 Resp: 26408
Ion Ratio Lower Upper
83 100
131 8.3 4.5 13.4
85 59.6 32.1 96.3

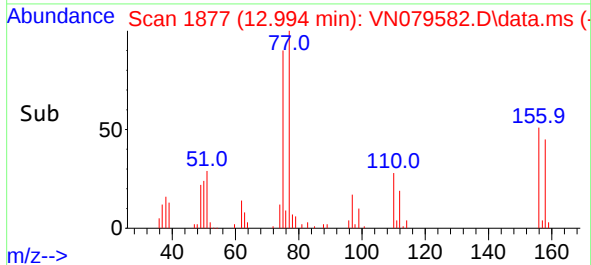
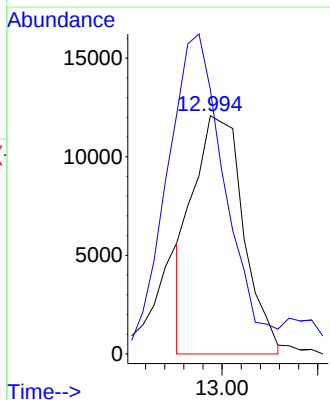
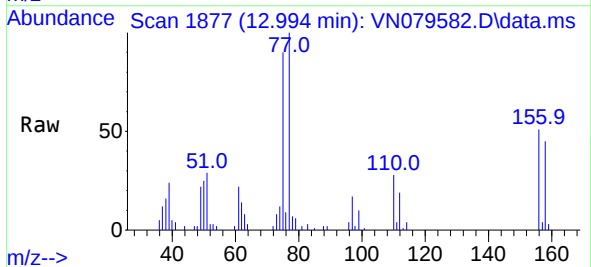
Manual Integrations
APPROVED

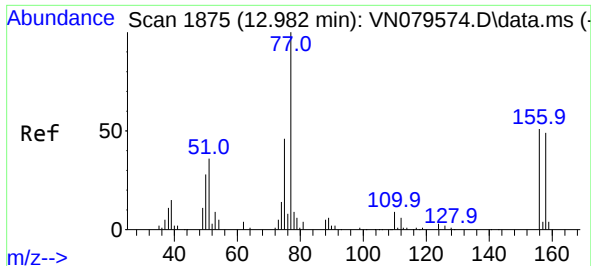
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#72
1,2,3-Trichloropropane
Concen: 5.226 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

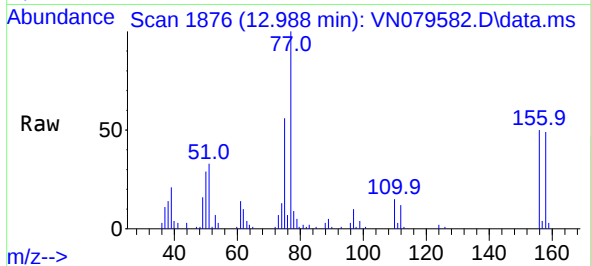
Tgt Ion: 75 Resp: 22249
Ion Ratio Lower Upper
75 100
77 156.1 0.0 338.2





#73
Bromobenzene
Concen: 4.733 ug/l
RT: 12.988 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

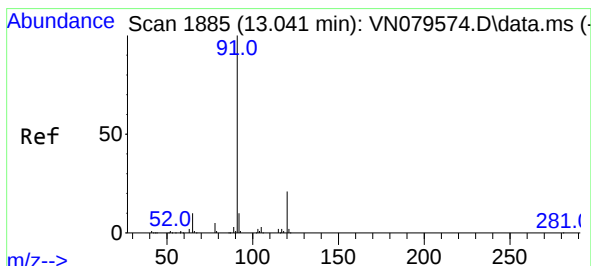
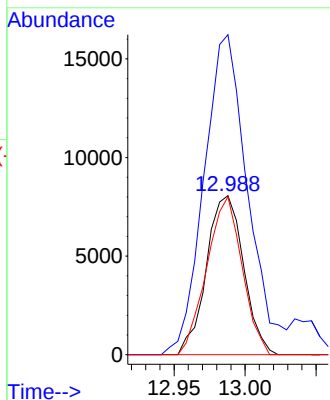
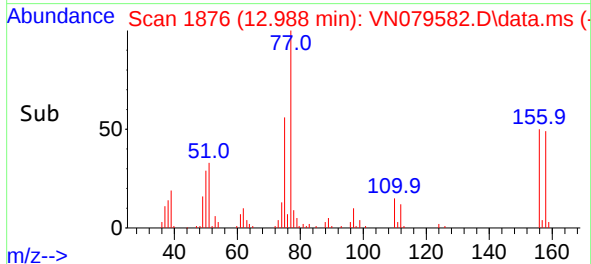
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



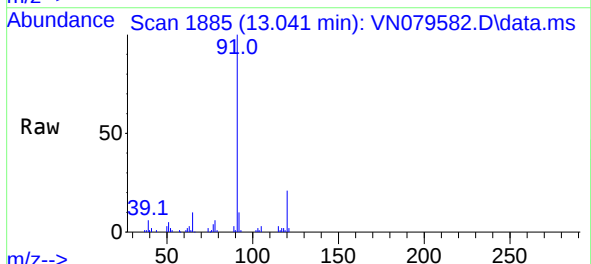
Tgt Ion:156 Resp: 14659
Ion Ratio Lower Upper
156 100
77 236.9 0.0 448.2
158 94.4 0.0 194.8

Manual Integrations
APPROVED

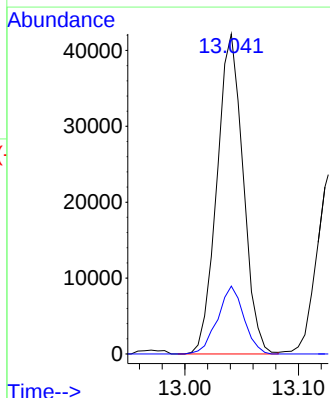
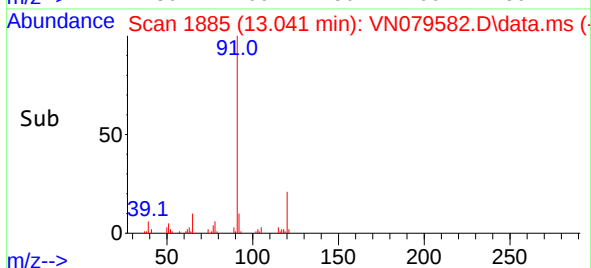
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

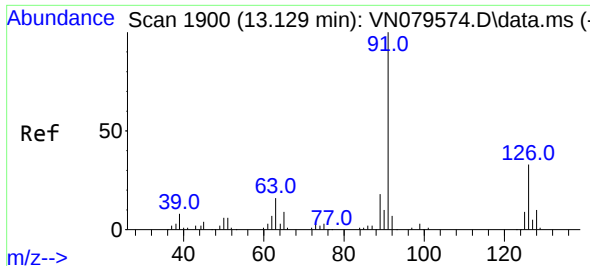


#74
n-propylbenzene
Concen: 4.406 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



Tgt Ion: 91 Resp: 67631
Ion Ratio Lower Upper
91 100
120 21.2 0.0 42.0





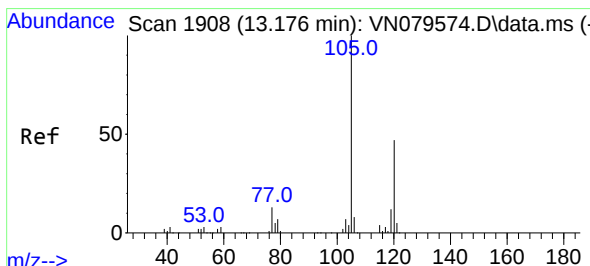
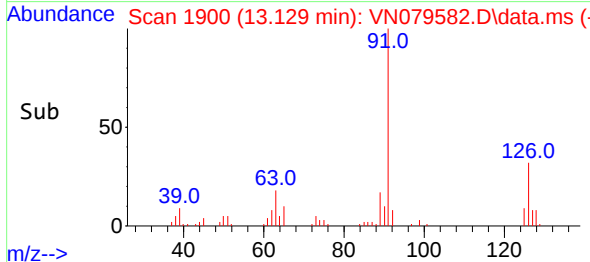
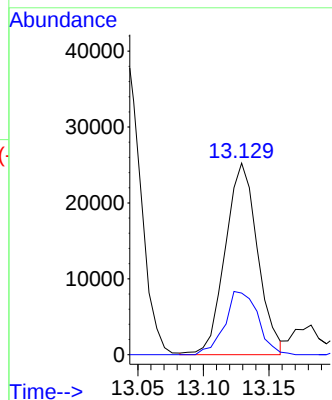
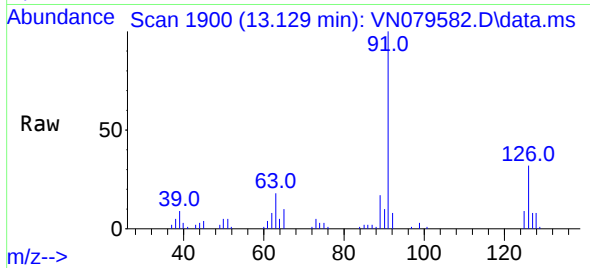
#75
2-Chlorotoluene
Concen: 4.544 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion: 91 Resp: 43359
Ion Ratio Lower Upper
91 100
126 33.9 0.0 64.6

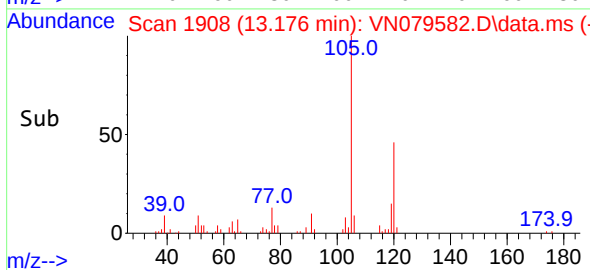
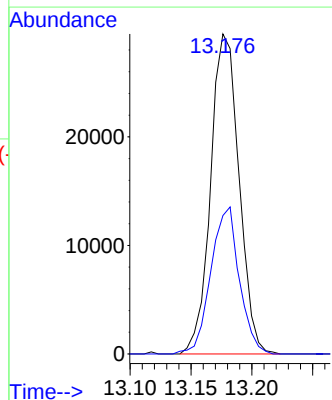
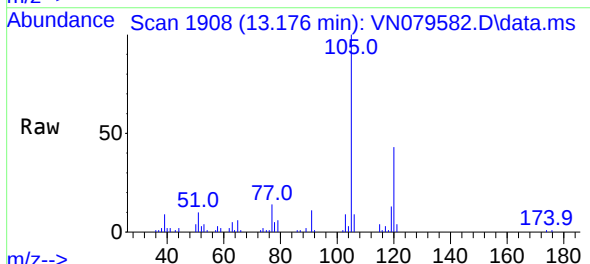
Manual Integrations
APPROVED

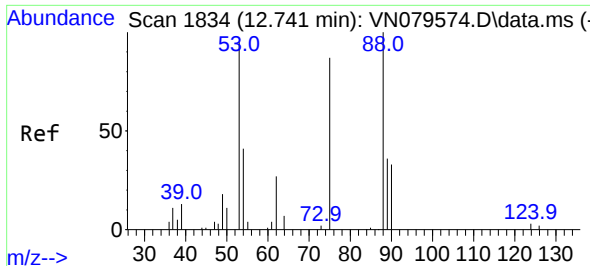
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#76
1,3,5-Trimethylbenzene
Concen: 4.439 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

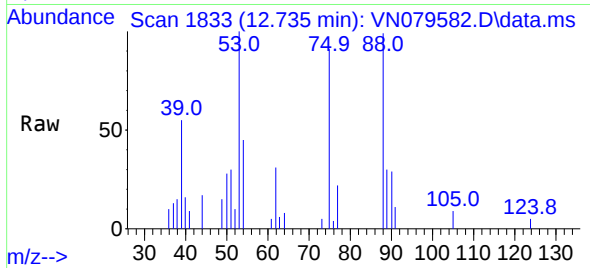
Tgt Ion:105 Resp: 47847
Ion Ratio Lower Upper
105 100
120 46.0 0.0 93.2





#77
t-1,4-Dichloro-2-butene
Concen: 4.696 ug/l
RT: 12.735 min Scan# 1834
Delta R.T. -0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

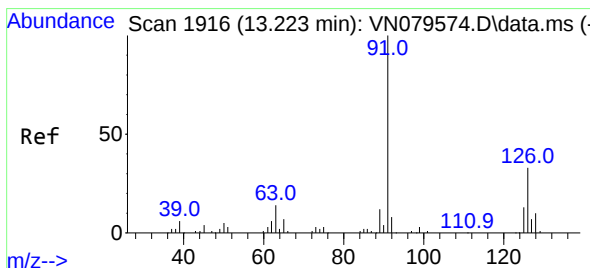
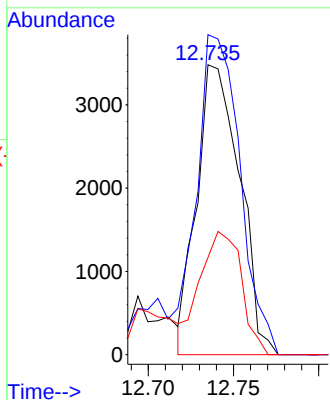
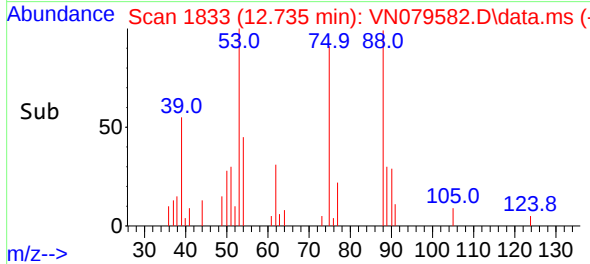
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



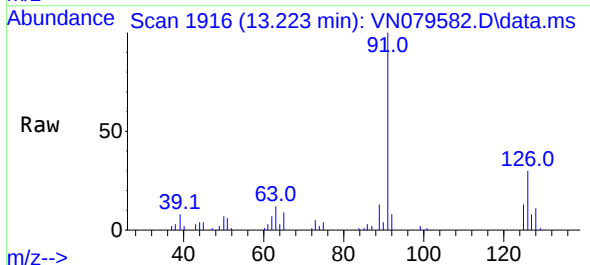
Tgt Ion: 75 Resp: 610
Ion Ratio Lower Upper
75 100
53 110.4 53.0 159.1
89 33.5 22.6 67.7

Manual Integrations
APPROVED

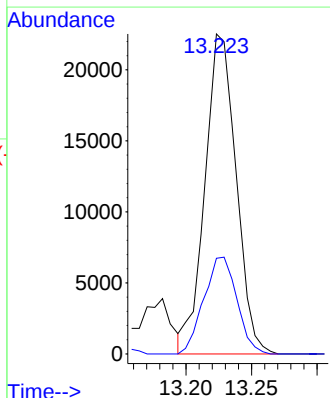
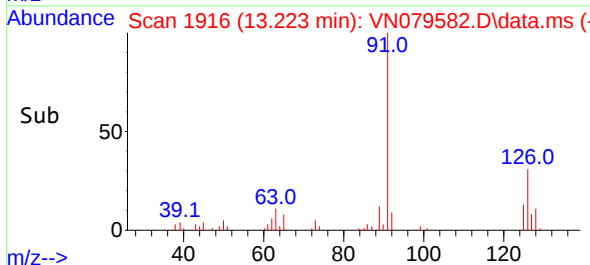
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023

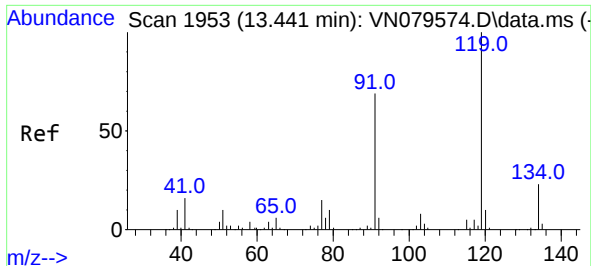


#78
4-Chlorotoluene
Concen: 4.143 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



Tgt Ion: 91 Resp: 37353
Ion Ratio Lower Upper
91 100
126 32.0 0.0 65.4





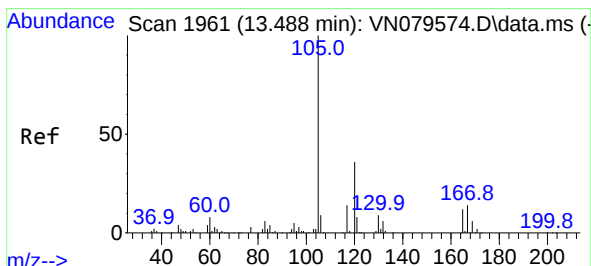
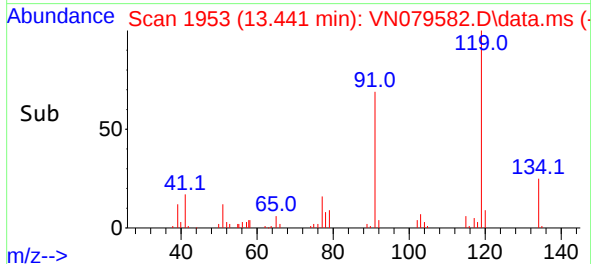
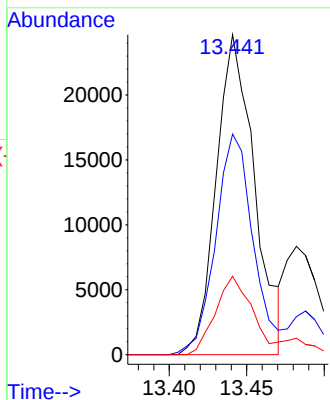
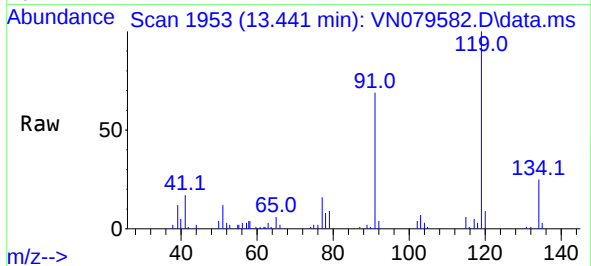
#79
tert-butylbenzene
Concen: 4.883 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:119 Resp: 4231
Ion Ratio Lower Upper
119 100
91 67.3 0.0 140.6
134 23.1 0.0 49.8

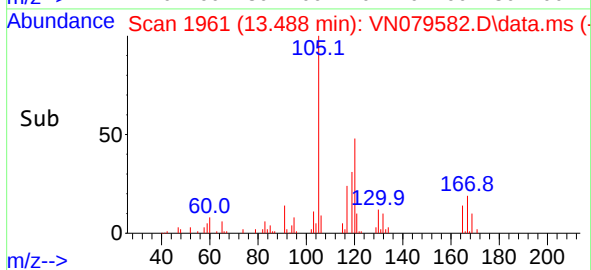
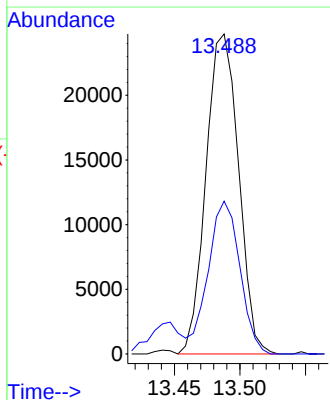
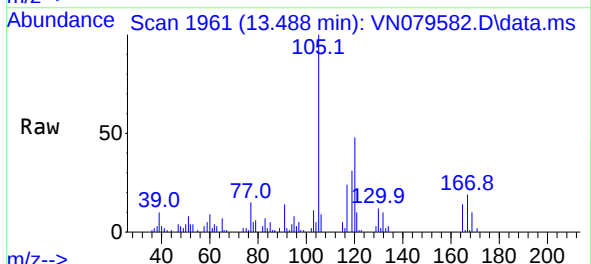
Manual Integrations
APPROVED

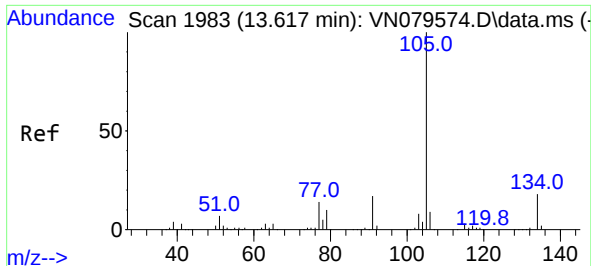
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#80
1,2,4-Trimethylbenzene
Concen: 4.097 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Tgt Ion:105 Resp: 42783
Ion Ratio Lower Upper
105 100
120 46.5 0.0 88.6





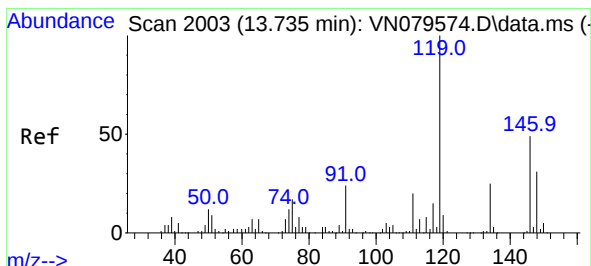
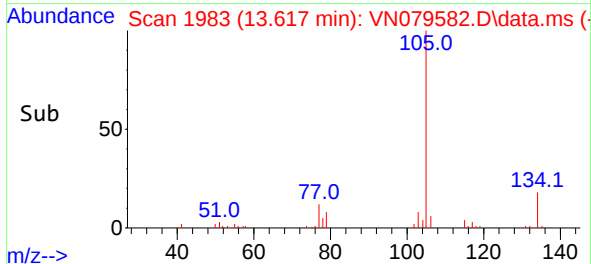
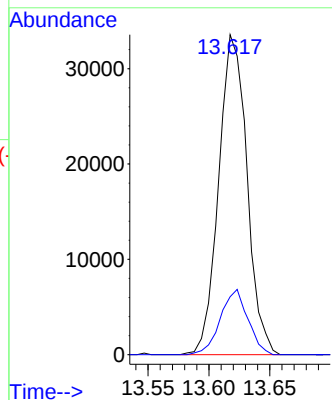
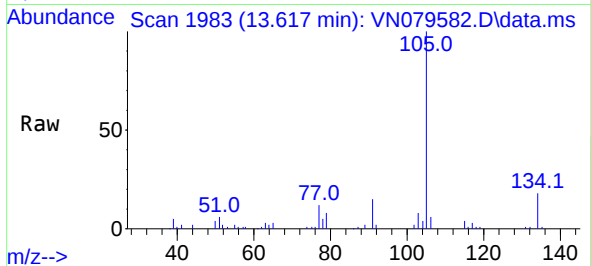
#81
 sec-Butylbenzene
 Concen: 4.464 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN079582.D
 Acq: 17 Oct 2023 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2023

Tgt Ion:105 Resp: 54300
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 38.2

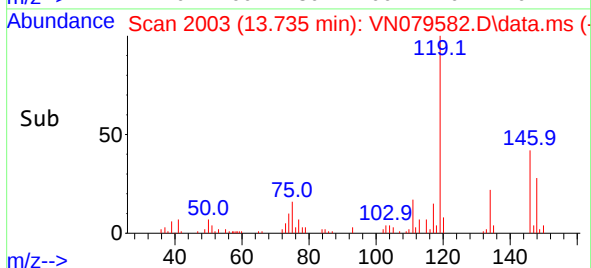
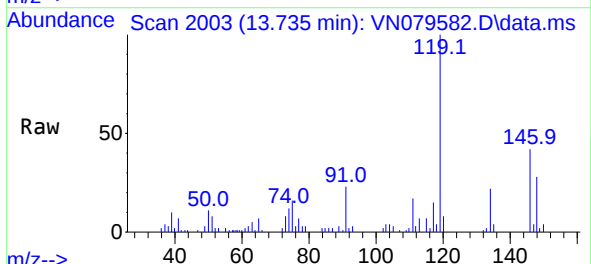
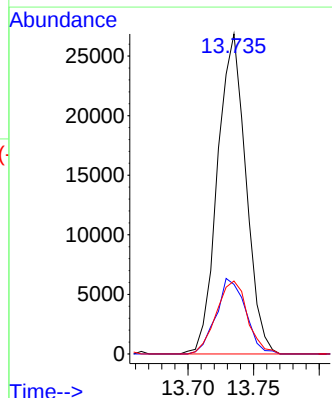
Manual Integrations
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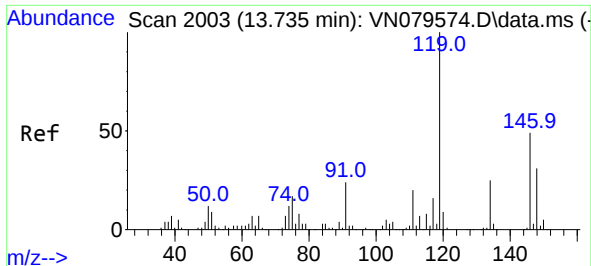
Reviewed By :John Carlone 10/18/2023
 Supervised By :Mahesh Dadoda 10/20/2023



#82
 p-Isopropyltoluene
 Concen: 4.188 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. -0.000 min
 Lab File: VN079582.D
 Acq: 17 Oct 2023 15:23

Tgt Ion:119 Resp: 40417
 Ion Ratio Lower Upper
 119 100
 134 24.4 0.0 52.2
 91 25.0 0.0 50.0





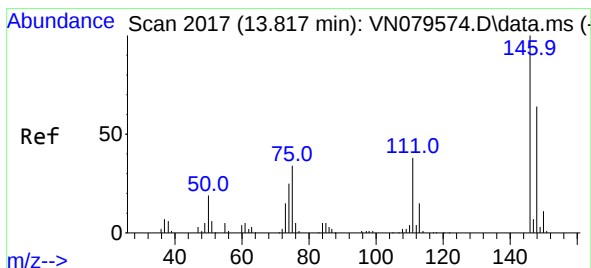
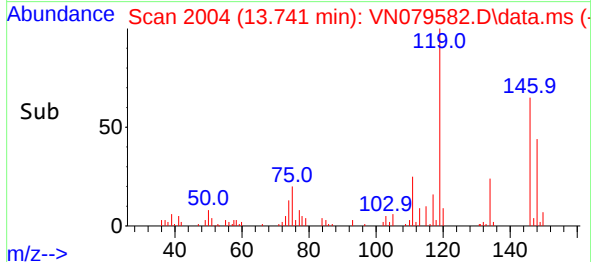
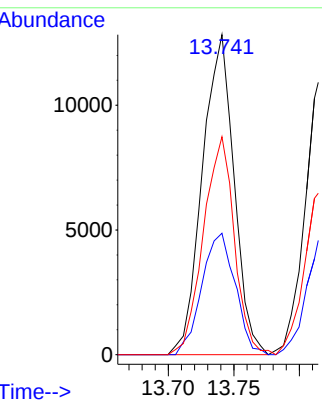
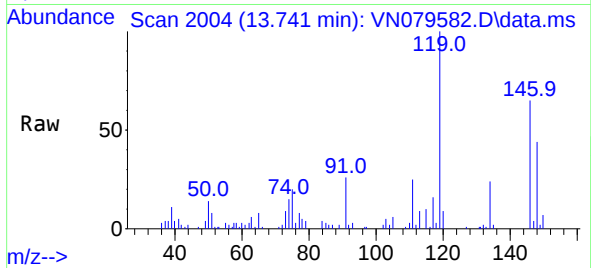
#83
1,3-Dichlorobenzene
Concen: 4.227 ug/l
RT: 13.741 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:146 Resp: 2152
Ion Ratio Lower Upper
146 100
111 40.1 21.0 63.0
148 66.5 32.4 97.0

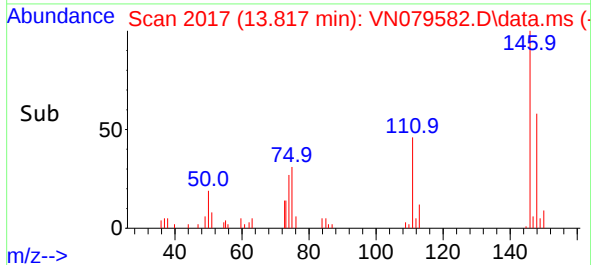
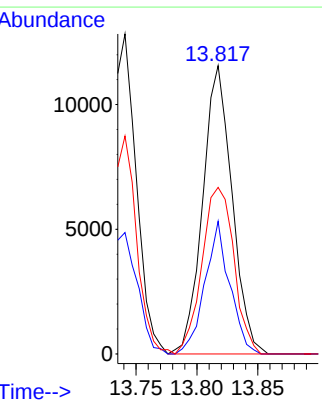
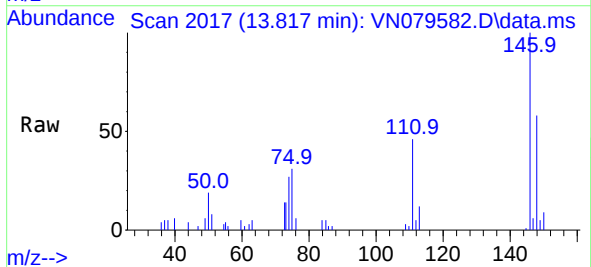
Manual Integrations
APPROVED

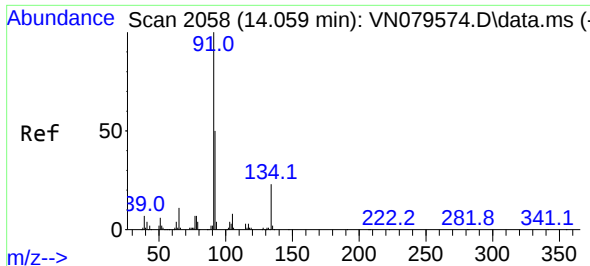
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#84
1,4-Dichlorobenzene
Concen: 3.974 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

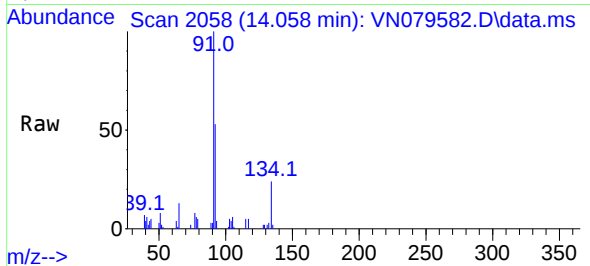
Tgt Ion:146 Resp: 19404
Ion Ratio Lower Upper
146 100
111 39.0 19.9 59.7
148 62.8 32.6 97.7





#85
n-Butylbenzene
Concen: 3.534 ug/l
RT: 14.058 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

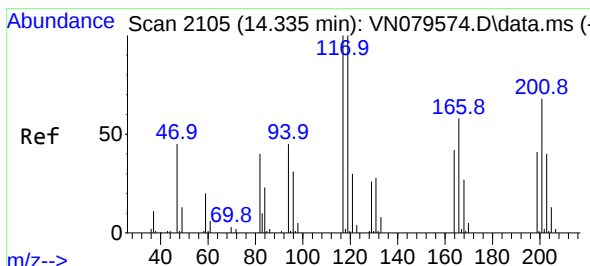
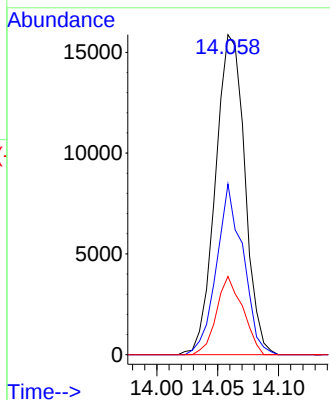
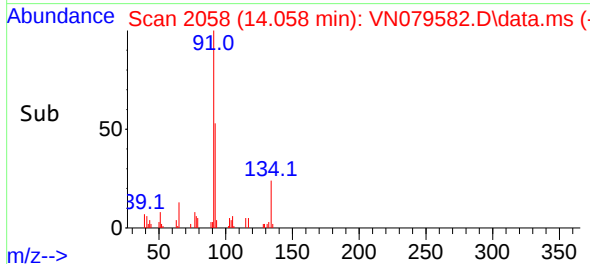
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2023



Tgt Ion: 91 Resp: 26649
Ion Ratio Lower Upper
91 100
92 48.3 0.0 99.6
134 21.9 0.0 46.2

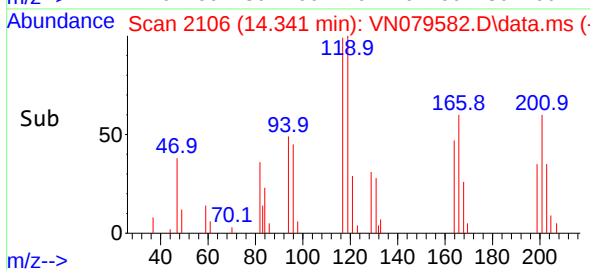
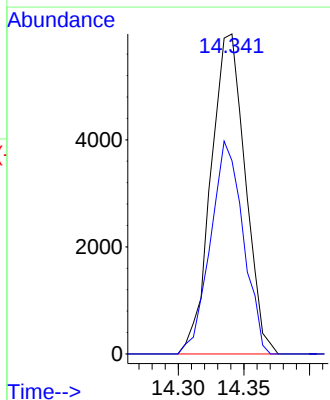
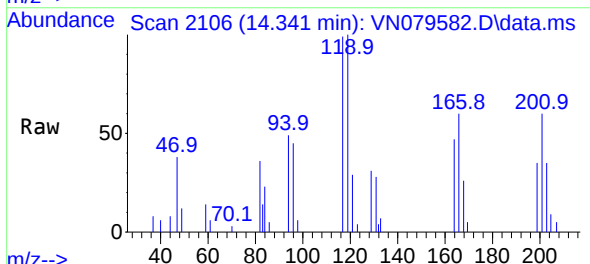
Manual Integrations
APPROVED

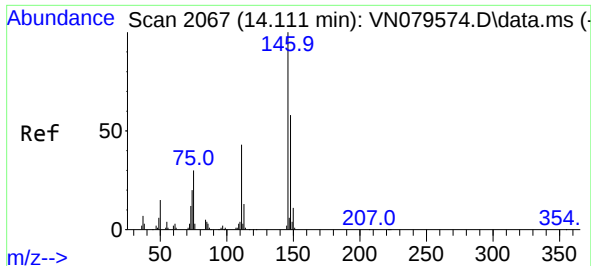
Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#86
Hexachloroethane
Concen: 5.205 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

Tgt Ion:117 Resp: 10858
Ion Ratio Lower Upper
117 100
201 63.6 32.5 97.5





#87

1,2-Dichlorobenzene

Concen: 4.039 ug/l

RT: 14.111 min Scan# 2067

Delta R.T. -0.000 min

Lab File: VN079582.D

Acq: 17 Oct 2023 15:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion:146 Resp: 2044

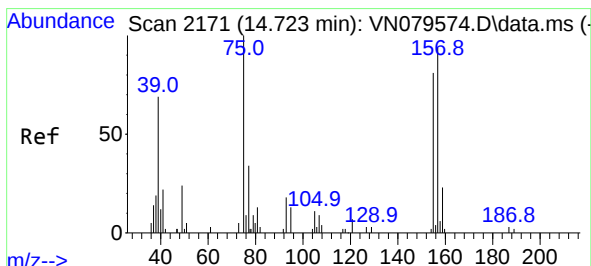
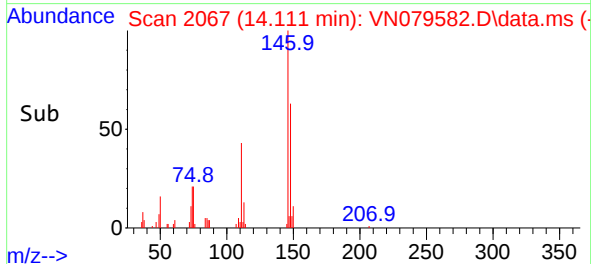
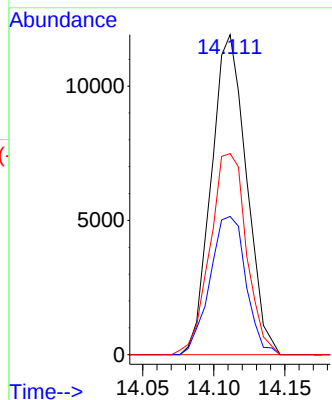
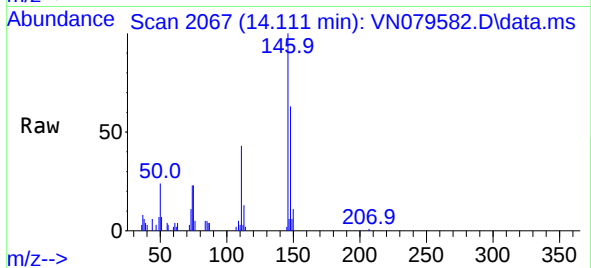
Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.0	66.0
148	65.2	31.1	93.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/18/2023

Supervised By :Mahesh Dadoda 10/20/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 4.669 ug/l

RT: 14.723 min Scan# 2171

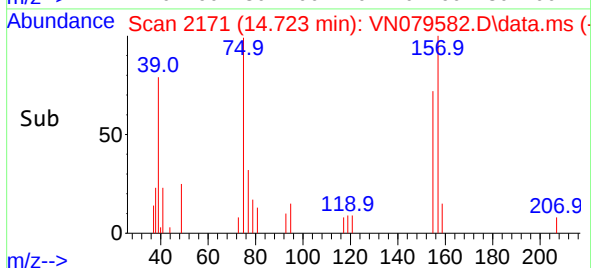
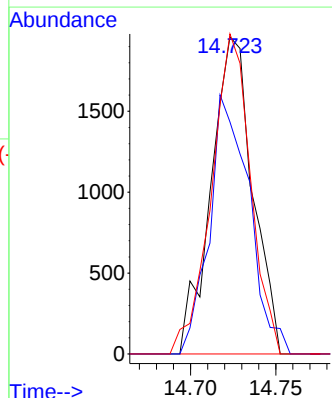
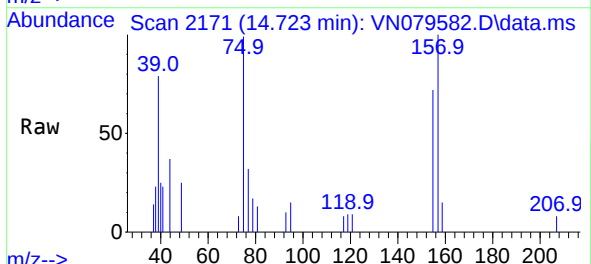
Delta R.T. -0.000 min

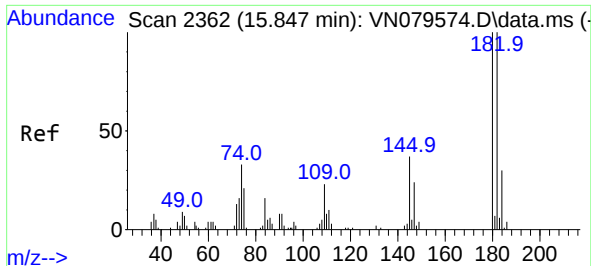
Lab File: VN079582.D

Acq: 17 Oct 2023 15:23

Tgt Ion: 75 Resp: 3335

Ion	Ratio	Lower	Upper
75	100		
155	77.8	60.7	91.1
157	94.5	76.8	115.2





#89

1,2,4-Trichlorobenzene

Concen: 2.829 ug/l m

RT: 15.841 min Scan# 2362

Delta R.T. -0.006 min

Lab File: VN079582.D

Acq: 17 Oct 2023 15:23

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2023

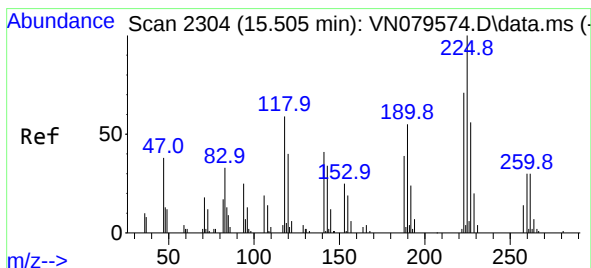
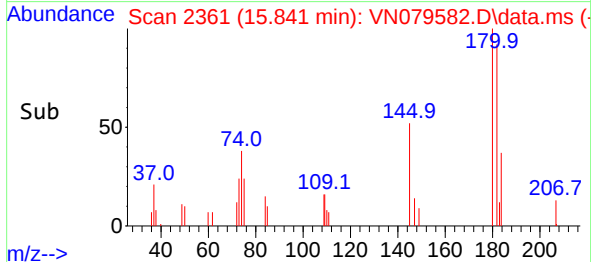
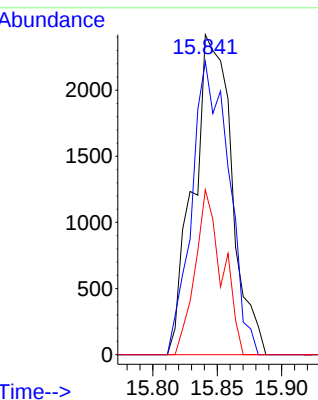
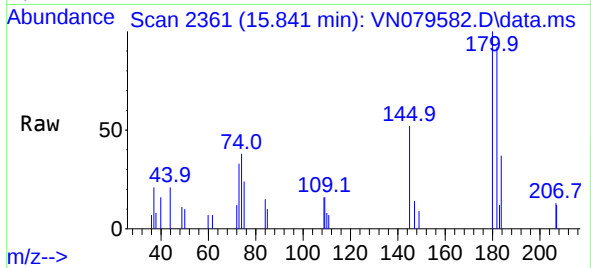
Tgt Ion:180	Resp:	5048
Ion Ratio	Lower	Upper
180	100	
182	71.9	74.2 111.4
145	28.1	25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/18/2023

Supervised By :Mahesh Dadoda 10/20/2023



#90

Hexachlorobutadiene

Concen: 4.497 ug/l

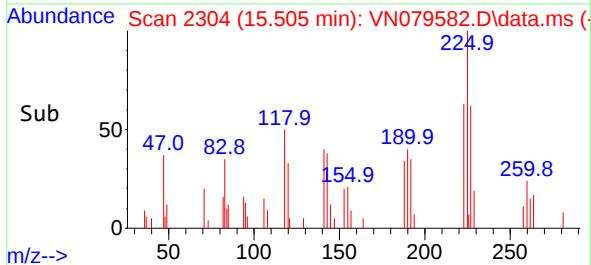
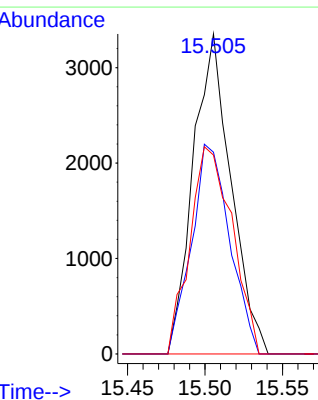
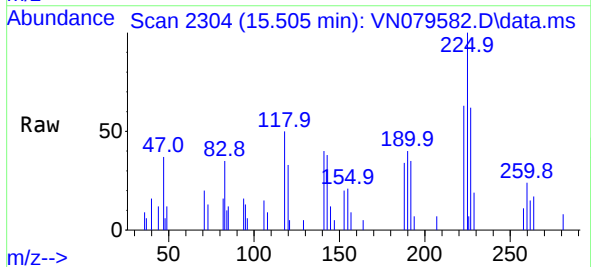
RT: 15.505 min Scan# 2304

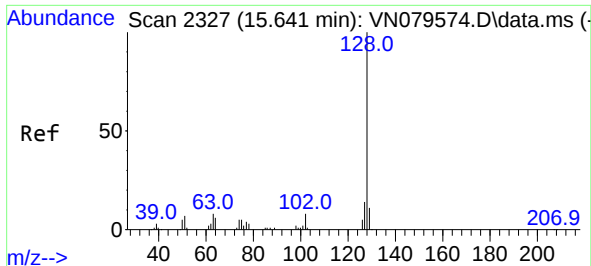
Delta R.T. -0.000 min

Lab File: VN079582.D

Acq: 17 Oct 2023 15:23

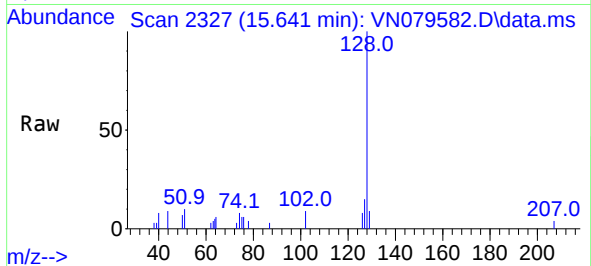
Tgt Ion:225	Resp:	5684
Ion Ratio	Lower	Upper
225	100	
223	66.3	0.0 126.0
227	72.3	0.0 127.0





#91
Naphthalene
Concen: 2.720 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23

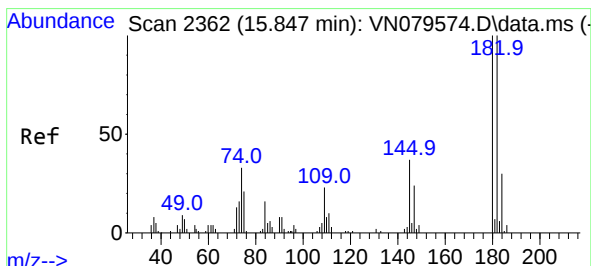
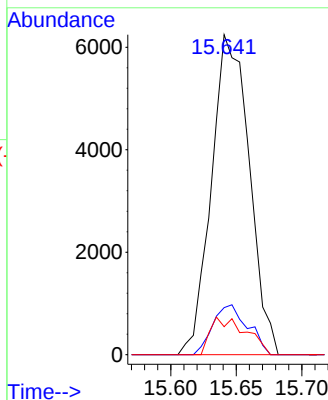
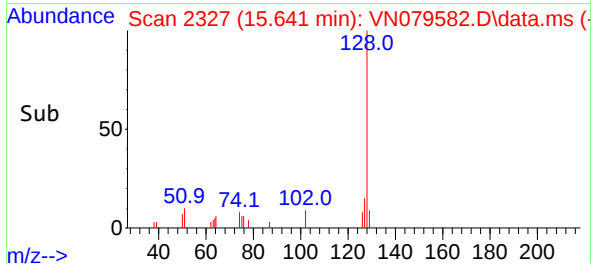
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2023



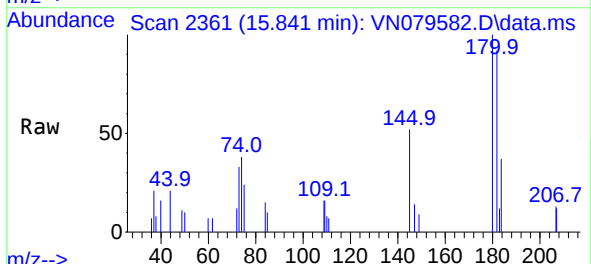
Tgt Ion:128 Resp: 12520
Ion Ratio Lower Upper
128 100
127 14.5 10.9 16.3
129 8.0 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/18/2023
Supervised By :Mahesh Dadoda 10/20/2023



#92
1,2,3-Trichlorobenzene
Concen: 2.829 ug/l m
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN079582.D
Acq: 17 Oct 2023 15:23



Tgt Ion:180 Resp: 5048
Ion Ratio Lower Upper
180 100
182 87.7 0.0 185.6
145 36.3 0.0 63.6

