

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101222\
 Data File : VN074885.D
 Acq On : 12 Oct 2022 19:09
 Operator : JC\MD
 Sample : N4955-08 5.0 LOQ
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2022

Quant Time: Oct 13 08:02:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/13/2022
 Supervised By : Mahesh Dadoda 10/14/2022

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

Internal Standards						
1) Bromochloromethane	7.824	128	66040	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	386639	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	357239	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.589	65	213230	34.488	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 114.967%#			
60) 4-Bromofluorobenzene	12.847	95	170596	26.928	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 89.767%			
63) Toluene-d8	10.571	98	634952	30.796	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.667%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.148	85	21781	5.939	ug/l	99
3) Chloromethane	2.377	50	39351	6.635	ug/l	92
4) Vinyl Chloride	2.530	62	53657	6.144	ug/l	95
5) Bromomethane	2.924	94	50042	7.227	ug/l	92
6) Chloroethane	3.107	64	40634	6.204	ug/l	97
7) Trichlorofluoromethane	3.495	101	41598	6.389	ug/l	87
8) Diethyl Ether	3.983	74	17978	5.921	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.383	101	24230m	5.914	ug/l	
10) 1,1-Dichloroethene	4.354	96	26557	6.589	ug/l #	80
11) Methyl Iodide	4.606	142	28320m	5.629	ug/l	
12) Methyl Acetate	5.048	43	64558m	6.646	ug/l	
13) Acrolein	4.201	56	39571	28.830	ug/l	91
14) Acrylonitrile	5.748	53	102360	28.252	ug/l	88
15) Acetone	4.471	58	28557m	28.759	ug/l	
16) Carbon Disulfide	4.730	76	61895	5.978	ug/l	97
17) Allyl chloride	5.048	41	52052m	6.487	ug/l	
18) Methylene Chloride	5.295	84	36223m	6.931	ug/l	
19) trans-1,2-Dichloroethene	5.806	96	26806m	6.059	ug/l	
20) Diisopropyl ether	6.683	45	104053m	5.555	ug/l	
21) 1,1-Dichloroethane	6.589	63	56545	5.933	ug/l	97
22) cis-1,2-Dichloroethene	7.506	96	31453	5.677	ug/l	95
23) tert-Butyl Alcohol	5.548	59	53480	35.031	ug/l #	100
24) Methyl tert-Butyl Ether	5.818	73	94537m	5.616	ug/l	
25) Chloroform	7.983	83	54612m	5.771	ug/l	
26) Cyclohexane	8.259	56	48543	5.799	ug/l #	53
29) 1,1-Dichloropropene	8.377	75	37191	5.331	ug/l	67
30) 2-Butanone	7.506	43	152824	27.456	ug/l	98
31) 2,2-Dichloropropane	7.494	77	46842m	5.485	ug/l	
32) 1,1,1-Trichloroethane	8.183	97	44940	5.372	ug/l #	78
33) Carbon Tetrachloride	8.371	117	33914	4.936	ug/l	96
34) Benzene	8.612	78	130014	5.638	ug/l #	86
35) Methacrylonitrile	7.800	41	25856	4.520	ug/l	86
36) 1,2-Dichloroethane	8.677	62	40897	5.326	ug/l #	93
37) Trichloroethene	9.359	130	25906	5.402	ug/l	84
38) Methylcyclohexane	9.606	83	44625	5.265	ug/l	96
39) 1,2-Dichloropropane	9.624	63	32368	5.415	ug/l	97
40) Dibromomethane	9.718	93	22992m	5.804	ug/l	
41) Bromodichloromethane	9.888	83	43034	5.578	ug/l #	98
42) Vinyl Acetate	6.624	43	452783m	27.308	ug/l	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	62646m	5.789	ug/l	
44) Isopropyl Acetate	8.700	43	87281	5.215	ug/l	98
45) 1,4-Dioxane	9.700	88	16033	104.478	ug/l #	84
46) Methyl methacrylate	9.688	41	39512	5.451	ug/l	84
47) n-amyl Acetate	12.500	43	72819	4.973	ug/l	100
48) t-1,3-Dichloropropene	10.841	75	41496	4.688	ug/l #	75
49) cis-1,3-Dichloropropene	10.312	75	44426	4.733	ug/l	95
50) 1,1,2-Trichloroethane	11.018	97	30618	5.252	ug/l	94
51) Ethyl methacrylate	10.877	69	46390	4.680	ug/l	91
52) 1,3-Dichloropropane	11.165	76	56643	5.630	ug/l	99
53) Dibromochloromethane	11.359	129	27092	4.744	ug/l	94
54) 1,2-Dibromoethane	11.471	107	29185	5.211	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	92018	23.732	ug/l	96
56) Bromoform	12.582	173	18664	4.535	ug/l	98
58) 4-Methyl-2-Pentanone	10.447	43	288724	25.987	ug/l	98
59) 2-Hexanone	11.200	43	218773	25.586	ug/l	97
61) Tetrachloroethene	11.106	164	20689	5.432	ug/l #	80
62) Toluene	10.635	91	133244	5.399	ug/l	96
64) Chlorobenzene	11.894	112	77374	5.515	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.965	131	25939	4.909	ug/l	95
66) Ethyl Benzene	11.965	91	128634	4.793	ug/l	100
67) m/p-Xylenes	12.077	106	96303	9.552	ug/l	97
68) o-Xylene	12.400	106	53381	5.209	ug/l	93
69) Styrene	12.418	104	73647	4.390	ug/l	92
70) Isopropylbenzene	12.694	105	125649	4.754	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.941	83	51016	5.160	ug/l	98
72) 1,2,3-Trichloropropane	12.994	75	39295m	4.731	ug/l	
73) Bromobenzene	12.976	156	30031	5.422	ug/l	85
74) n-propylbenzene	13.041	91	136696	4.436	ug/l	100
75) 2-Chlorotoluene	13.129	91	79597	4.415	ug/l	93
76) 1,3,5-Trimethylbenzene	13.176	105	97924	4.559	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	13060	3.784	ug/l	69
78) 4-Chlorotoluene	13.224	91	75257	4.374	ug/l	98
79) tert-butylbenzene	13.441	119	88132	4.613	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	100506	4.650	ug/l	95
81) sec-Butylbenzene	13.618	105	112543	4.098	ug/l	100
82) p-Isopropyltoluene	13.729	119	88491	4.056	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	46878	4.337	ug/l	98
84) 1,4-Dichlorobenzene	13.812	146	49139	4.733	ug/l	98
85) n-Butylbenzene	14.059	91	76136	3.953	ug/l	99
86) Hexachloroethane	14.335	117	18461	4.320	ug/l	97
87) 1,2-Dichlorobenzene	14.112	146	48798	4.547	ug/l	93
88) 1,2-Dibromo-3-Chloropr...	14.723	75	8789	4.404	ug/l #	84
89) 1,2,4-Trichlorobenzene	15.400	180	22694m	4.630	ug/l	
90) Hexachlorobutadiene	15.506	225	12731m	5.328	ug/l	
91) Naphthalene	15.641	128	83766	4.307	ug/l	97
92) 1,2,3-Trichlorobenzene	15.841	180	22879	4.463	ug/l	97

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

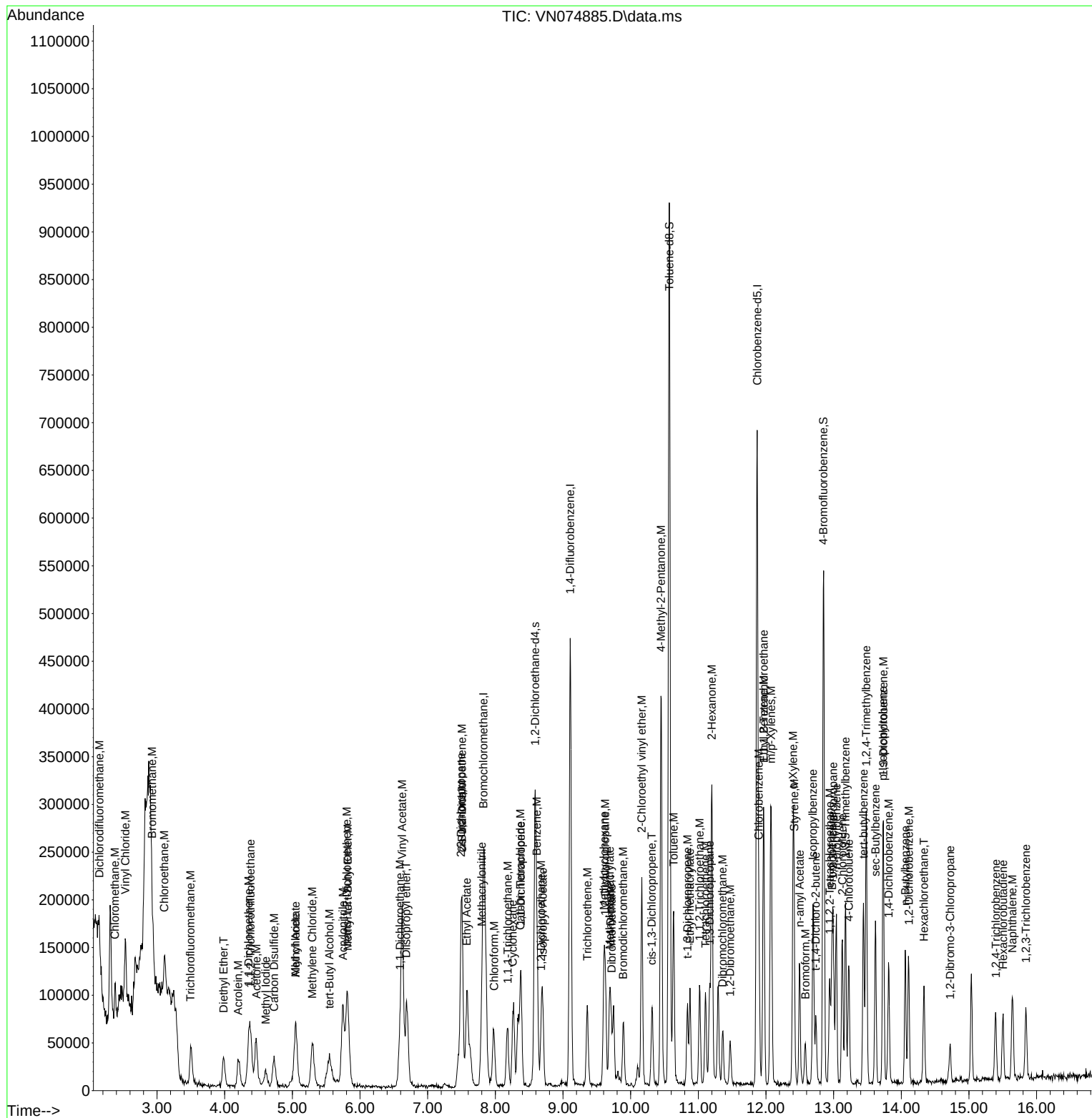
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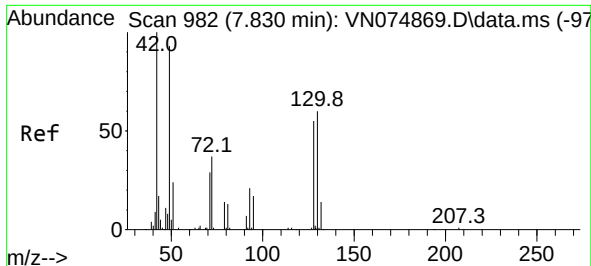
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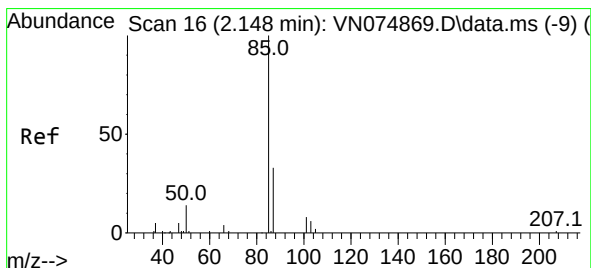
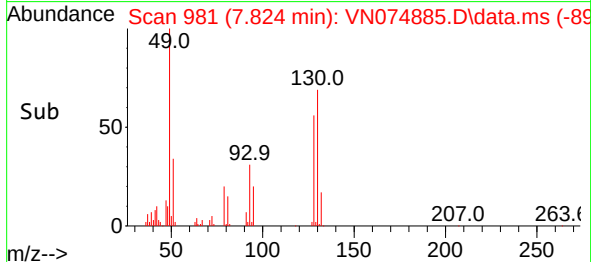
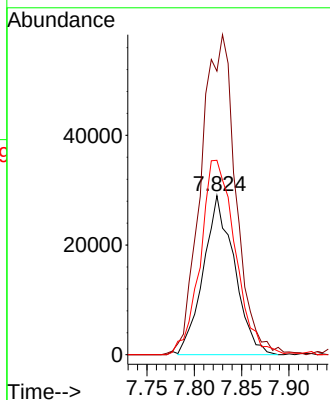
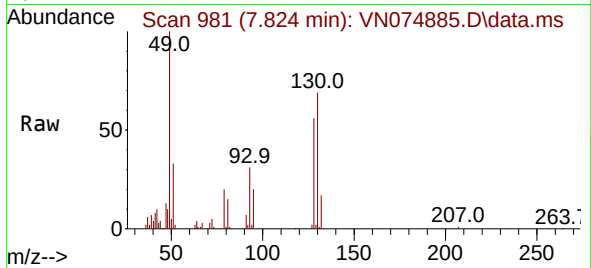
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022

Tgt Ion:128 Resp: 66040
Ion Ratio Lower Upper
128 100
49 226.3 0.0 492.0
130 135.6 0.0 313.3

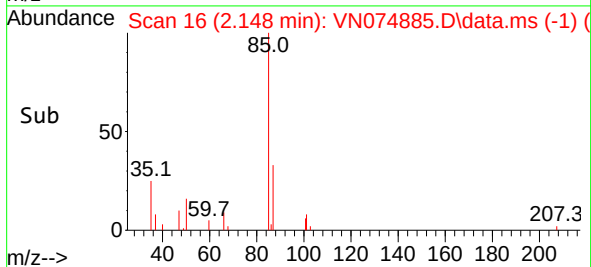
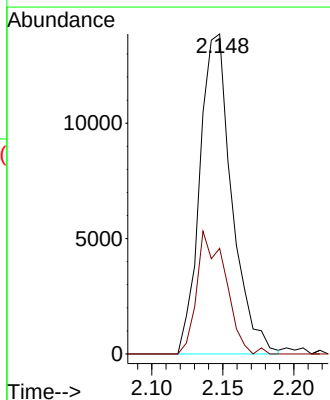
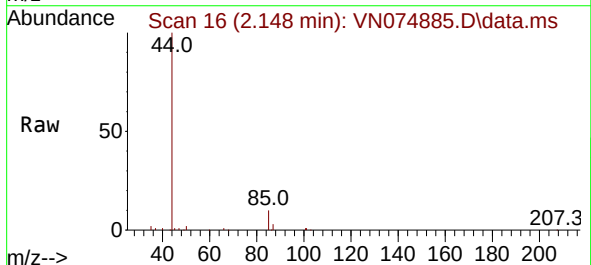
Manual Integrations
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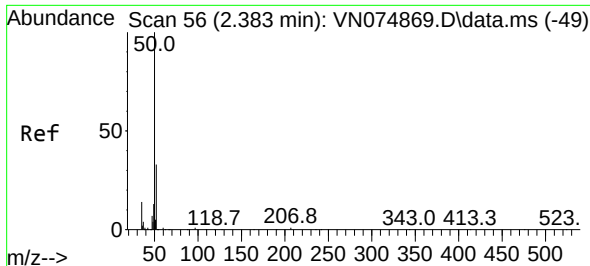
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#2
Dichlorodifluoromethane
Concen: 5.939 ug/l
RT: 2.148 min Scan# 16
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion: 85 Resp: 21781
Ion Ratio Lower Upper
85 100
87 33.0 16.7 50.1





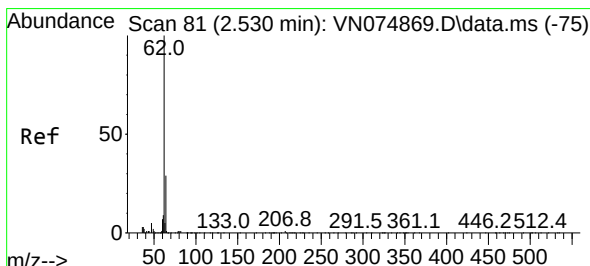
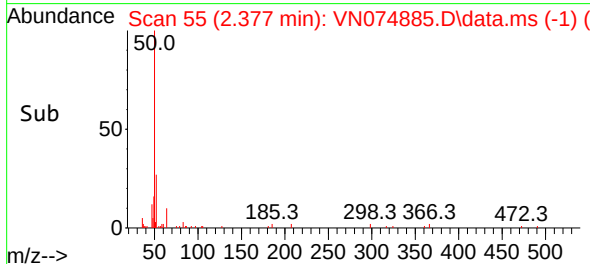
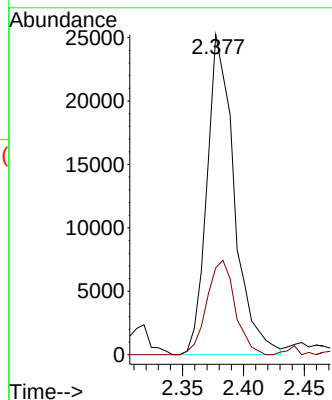
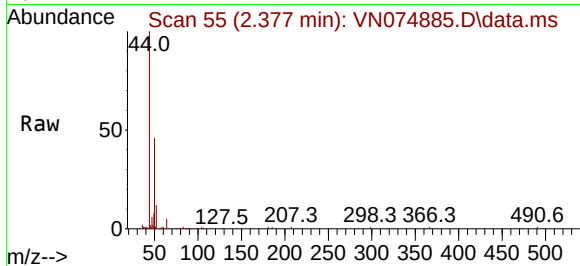
#3
Chloromethane
Concen: 6.635 ug/l
RT: 2.377 min Scan# 50
Delta R.T. -0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2022

Tgt Ion: 50 Resp: 3935
Ion Ratio Lower Upper
50 100
52 27.2 25.5 38.3

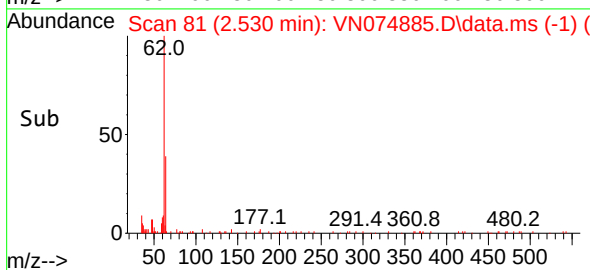
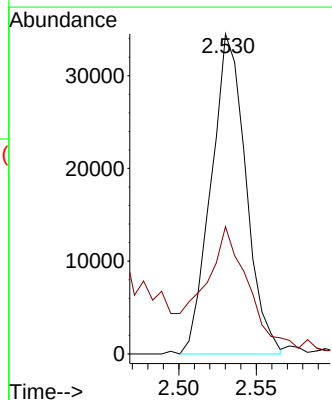
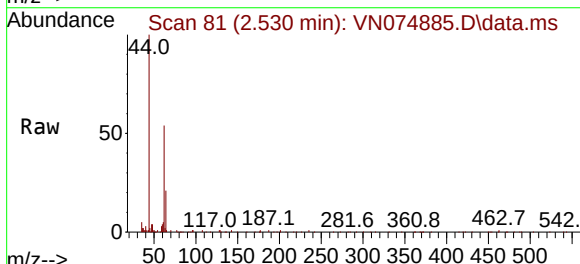
Manual Integrations
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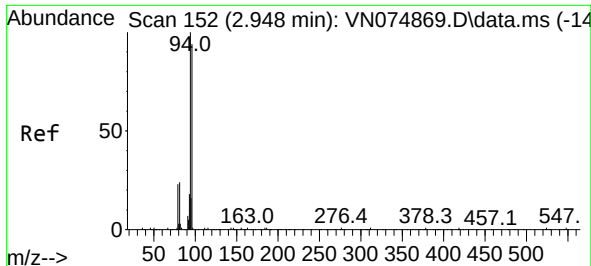
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#4
Vinyl Chloride
Concen: 6.144 ug/l
RT: 2.530 min Scan# 81
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

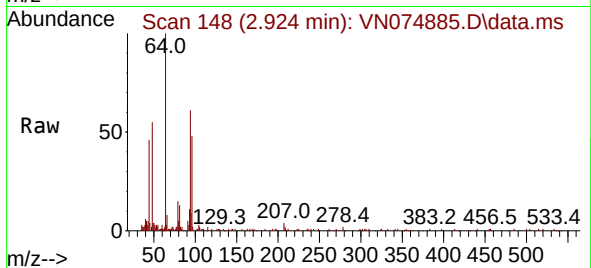
Tgt Ion: 62 Resp: 53657
Ion Ratio Lower Upper
62 100
64 34.8 25.6 38.4





#5
Bromomethane
Concen: 7.227 ug/l
RT: 2.924 min Scan# 14
Delta R.T. -0.024 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

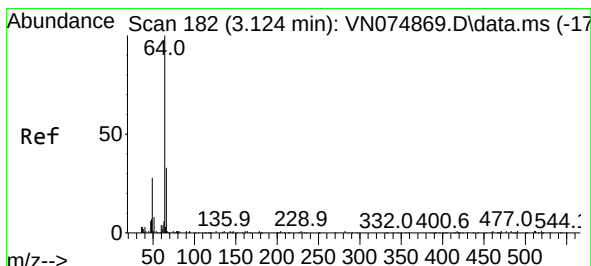
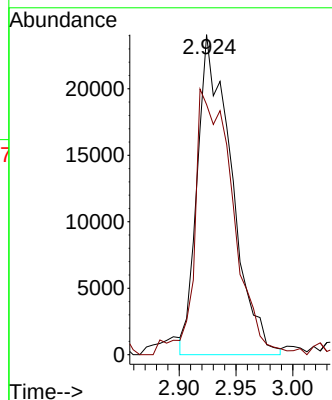
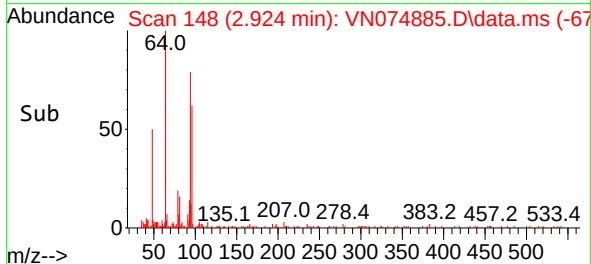
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion: 94 Resp: 5004
Ion Ratio Lower Upper
94 100
96 77.6 68.3 102.5

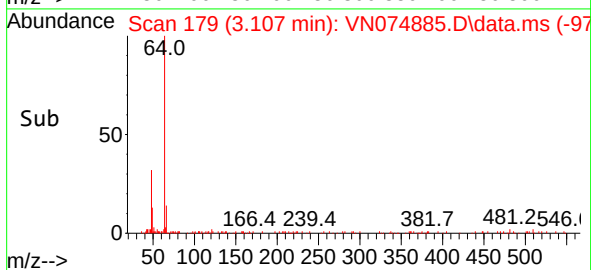
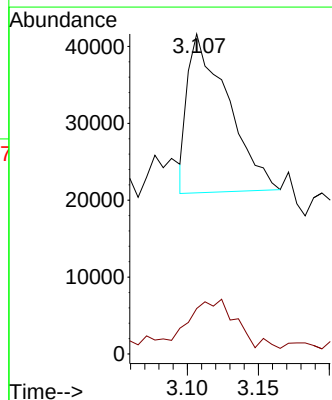
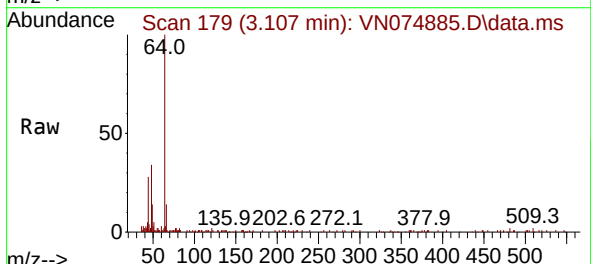
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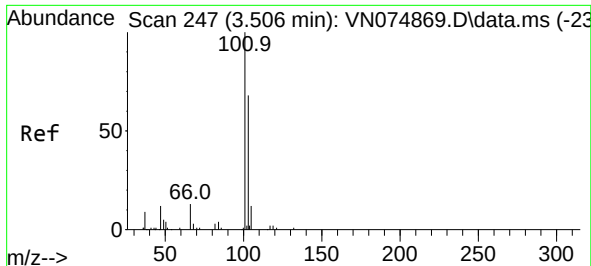
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#6
Chloroethane
Concen: 6.204 ug/l
RT: 3.107 min Scan# 179
Delta R.T. -0.018 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

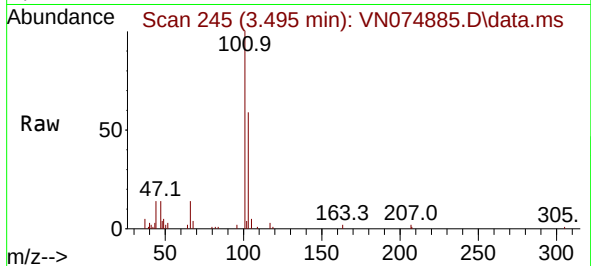
Tgt Ion: 64 Resp: 40634
Ion Ratio Lower Upper
64 100
66 25.6 21.8 32.8





#7
 Trichlorofluoromethane
 Concen: 6.389 ug/l
 RT: 3.495 min Scan# 247
 Delta R.T. -0.012 min
 Lab File: VN074885.D
 Acq: 12 Oct 2022 19:09

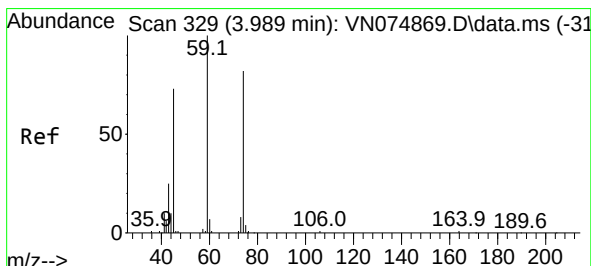
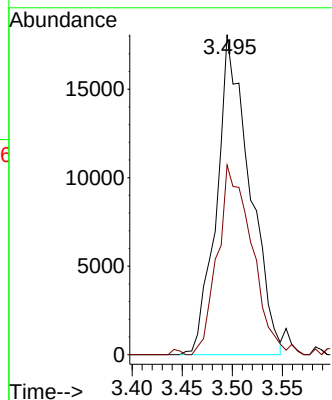
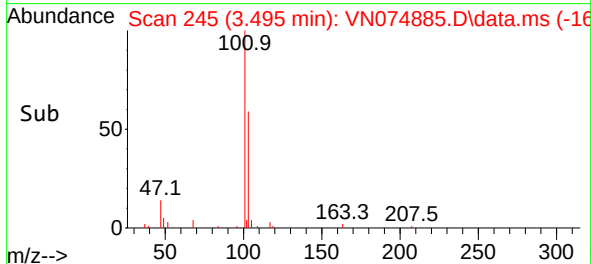
Instrument : MSVOA_N
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Tgt Ion:101 Resp: 41598
 Ion Ratio Lower Upper
 101 100
 103 58.1 54.8 82.2

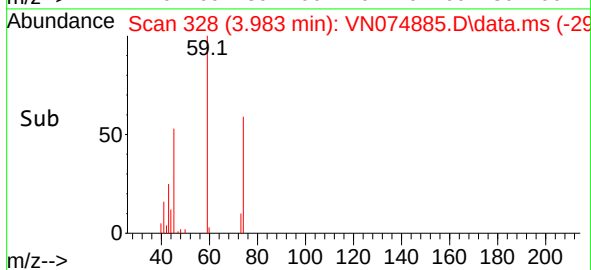
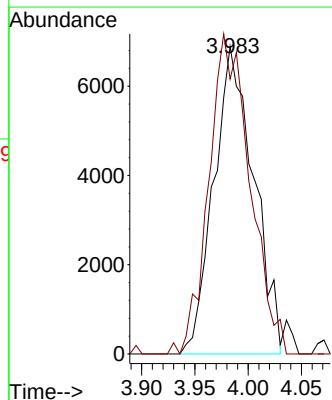
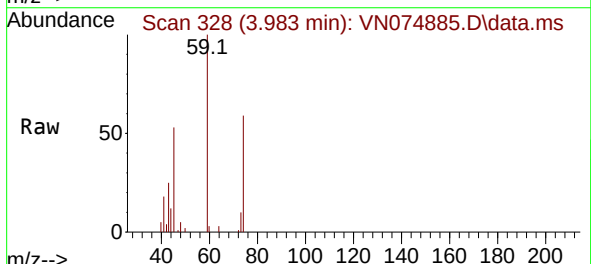
Manual Integrations
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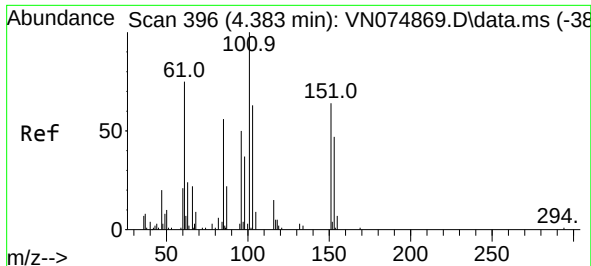
Reviewed By :John Carlone 10/13/2022
 Supervised By :Mahesh Dadoda 10/14/2022



#8
 Diethyl Ether
 Concen: 5.921 ug/l
 RT: 3.983 min Scan# 328
 Delta R.T. -0.006 min
 Lab File: VN074885.D
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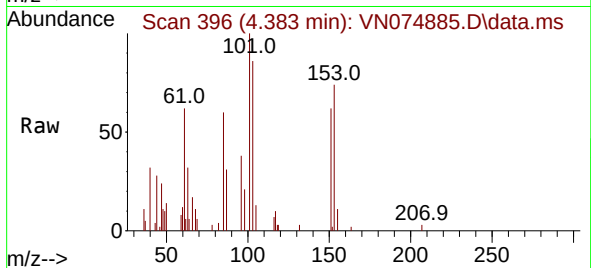
Tgt Ion: 74 Resp: 17978
 Ion Ratio Lower Upper
 74 100
 45 106.5 19.0 171.0





#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.914 ug/l m
 RT: 4.383 min Scan# 396
 Delta R.T. 0.000 min
 Lab File: VN074885.D
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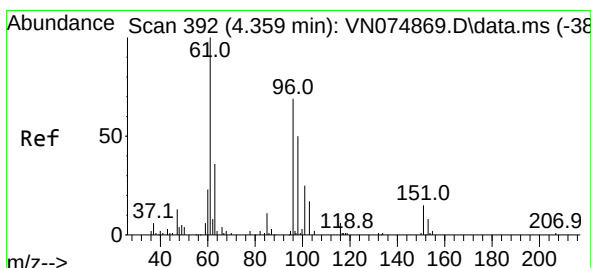
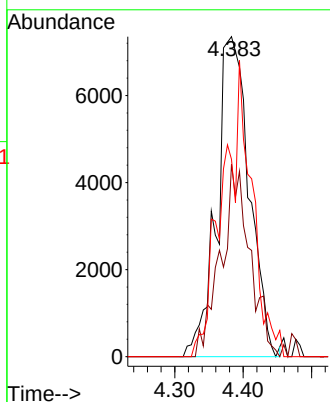
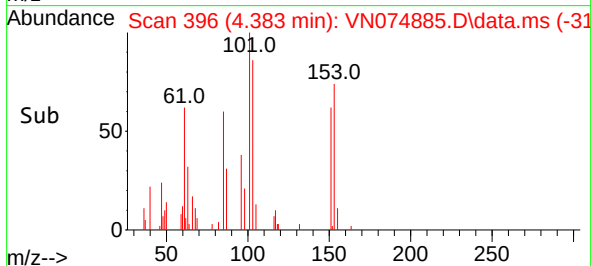
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 ClientSampleId :
 LOQ-WATER-02-QT4-2022



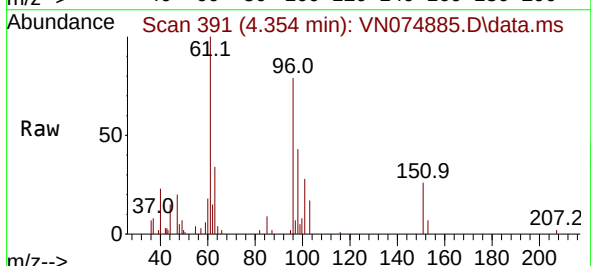
Tgt Ion: 101 Resp: 24230
 Ion Ratio Lower Upper
 101 100
 85 34.7 0.0 94.6
 151 25.1 0.0 144.8

Manual Integrations
 APPROVED

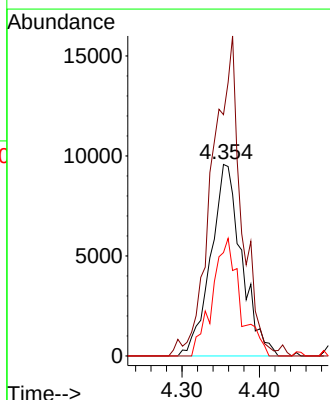
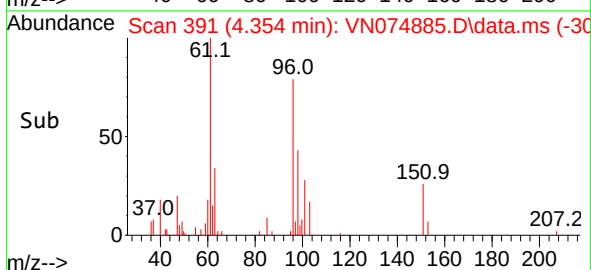
Reviewed By :John Carlone 10/13/2022
 Supervised By :Mahesh Dadoda 10/14/2022

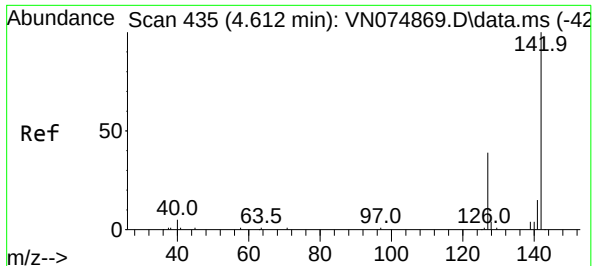


#10
 1,1-Dichloroethene
 Concen: 6.589 ug/l
 RT: 4.354 min Scan# 391
 Delta R.T. -0.006 min
 Lab File: VN074885.D
 Acq: 12 Oct 2022 19:09



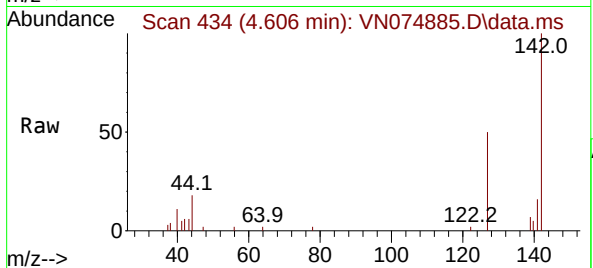
Tgt Ion: 96 Resp: 26557
 Ion Ratio Lower Upper
 96 100
 61 123.1 125.5 188.3#
 98 54.0 45.0 67.4





#11
Methyl Iodide
Concen: 5.629 ug/l m
RT: 4.606 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

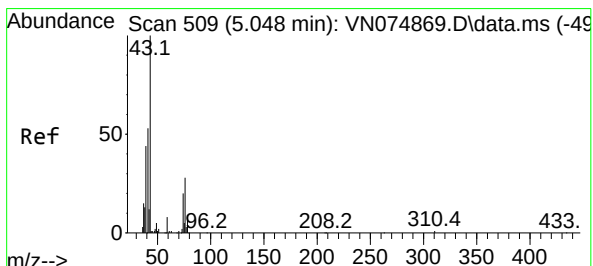
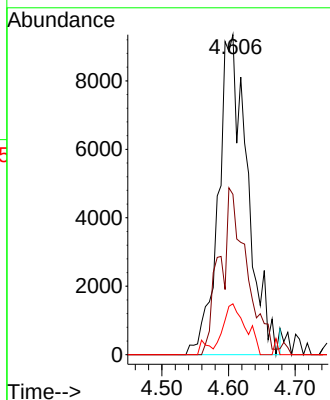
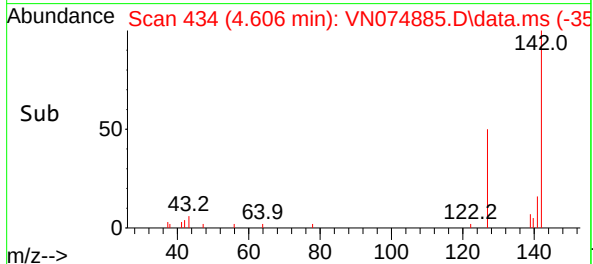
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion:142 Resp: 28320
Ion Ratio Lower Upper
142 100
127 50.1 19.3 57.8
141 15.9 7.7 23.1

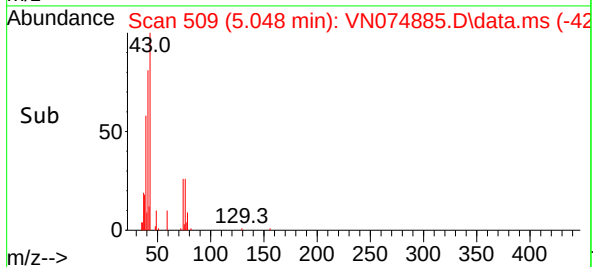
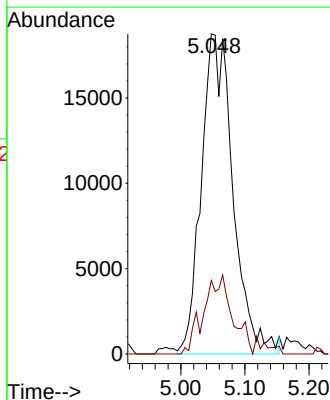
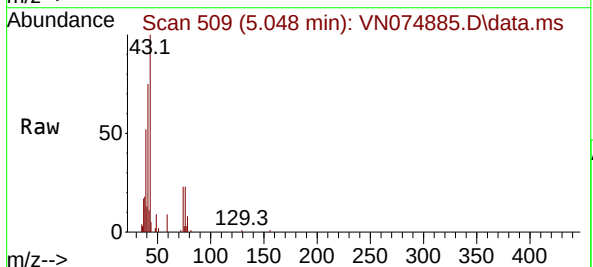
Manual Integrations
APPROVED

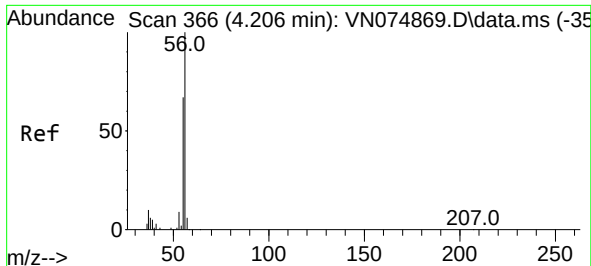
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#12
Methyl Acetate
Concen: 6.646 ug/l m
RT: 5.048 min Scan# 509
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

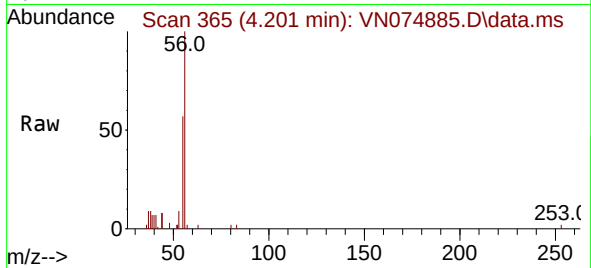
Tgt Ion: 43 Resp: 64558
Ion Ratio Lower Upper
43 100
74 23.0 19.0 28.6





#13
Acrolein
Concen: 28.830 ug/l
RT: 4.201 min Scan# 30
Delta R.T. -0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

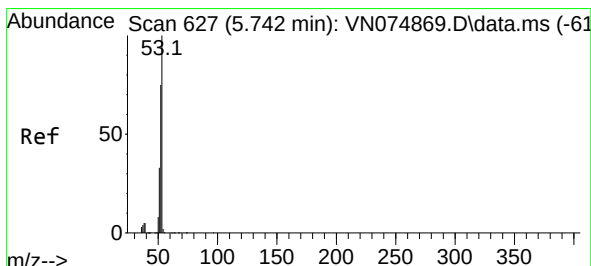
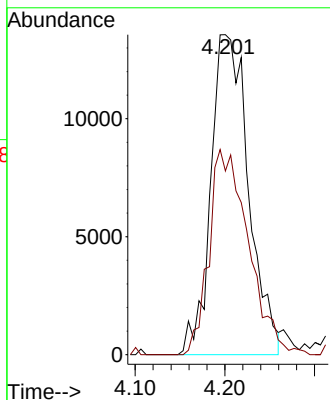
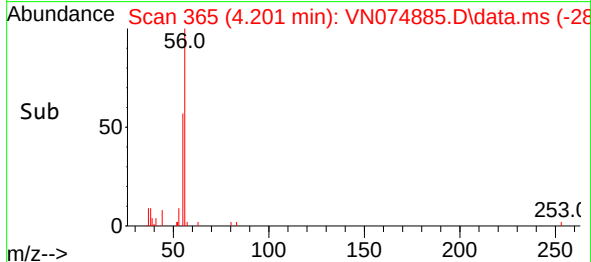
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion: 56 Resp: 3957
Ion Ratio Lower Upper
56 100
55 62.6 56.2 84.2

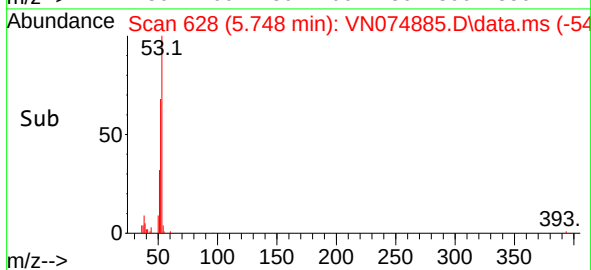
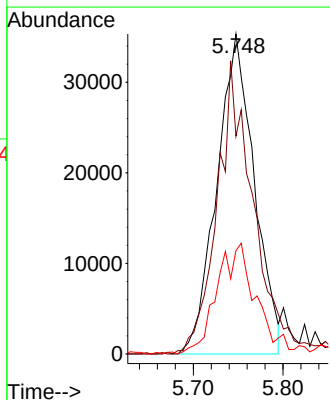
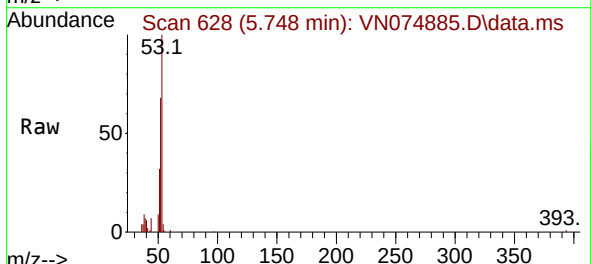
Manual Integrations
APPROVED

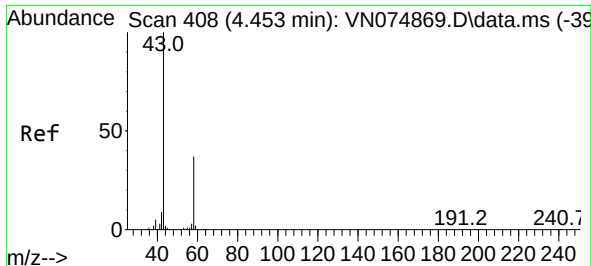
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#14
Acrylonitrile
Concen: 28.252 ug/l
RT: 5.748 min Scan# 628
Delta R.T. 0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion: 53 Resp: 102360
Ion Ratio Lower Upper
53 100
52 87.2 40.8 122.4
51 18.8 17.0 51.0





#15

Acetone

Concen: 28.759 ug/l m

RT: 4.471 min Scan# 411

Delta R.T. 0.018 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2022

Tgt Ion: 58 Resp: 2855

Ion Ratio Lower Upper

58 100

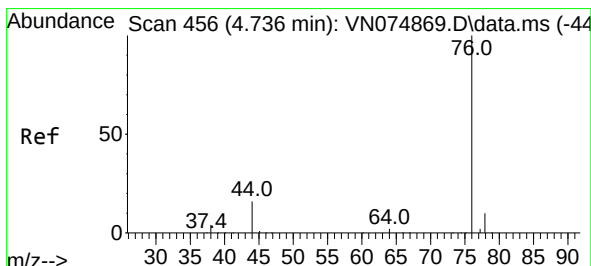
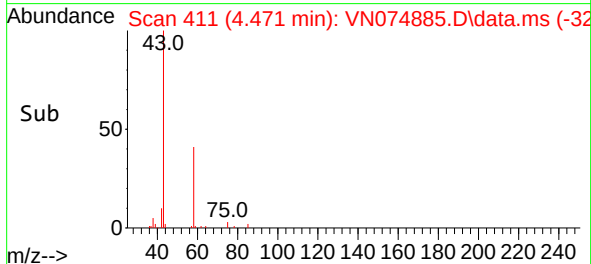
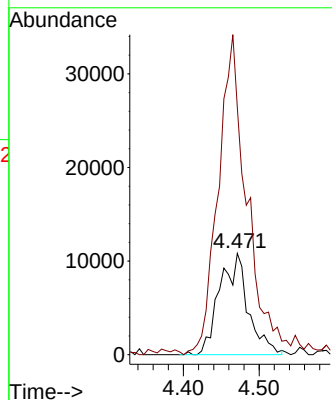
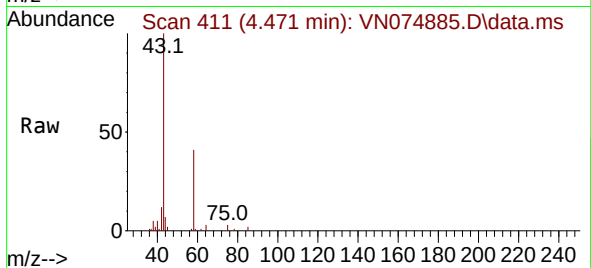
43 244.1 232.2 348.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/13/2022

Supervised By :Mahesh Dadoda 10/14/2022



#16

Carbon Disulfide

Concen: 5.978 ug/l

RT: 4.730 min Scan# 455

Delta R.T. -0.006 min

Lab File: VN074885.D

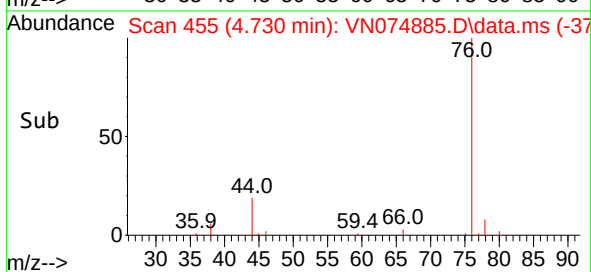
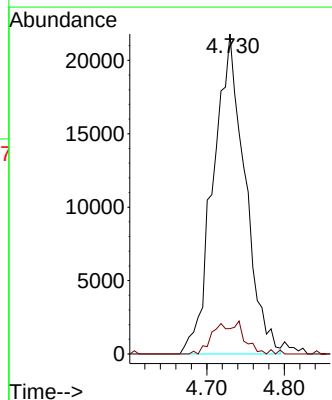
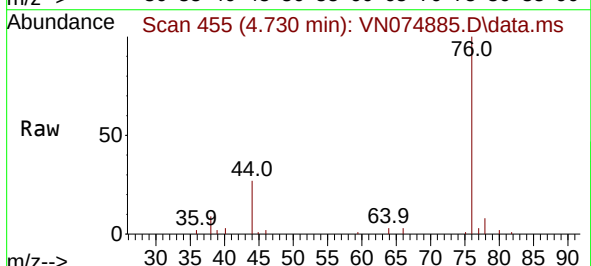
Acq: 12 Oct 2022 19:09

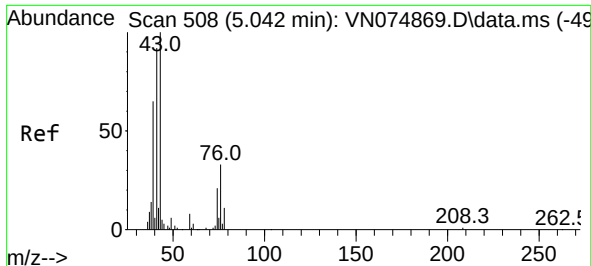
Tgt Ion: 76 Resp: 61895

Ion Ratio Lower Upper

76 100

78 7.9 7.2 10.8





#17

Allyl chloride

Concen: 6.487 ug/l m

RT: 5.048 min Scan# 508

Delta R.T. 0.006 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

Instrument :

MSVOA_N

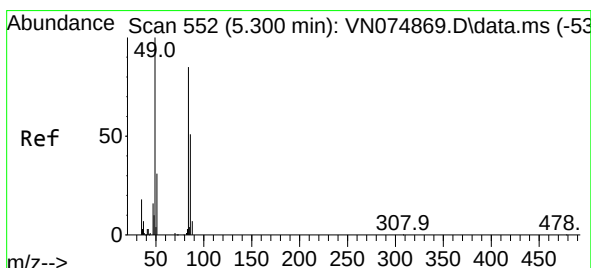
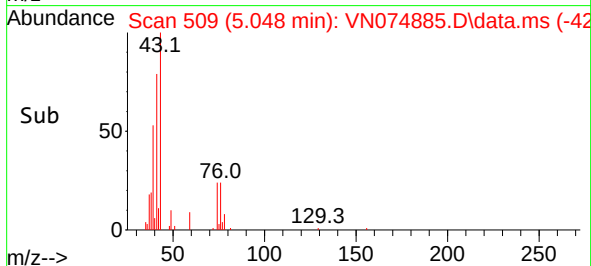
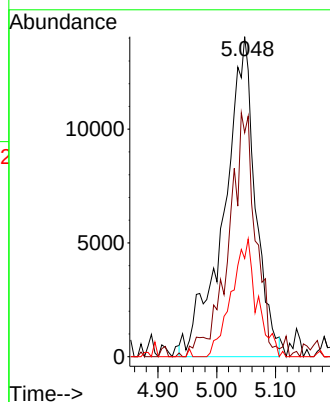
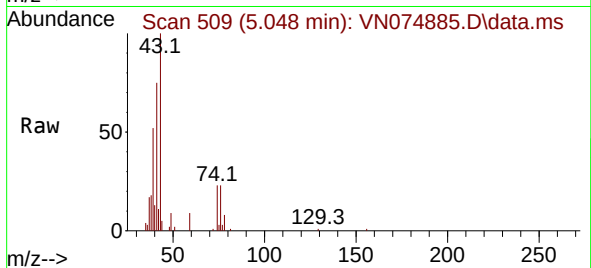
ClientSampleId :

LOQ-WATER-02-QT4-2022

Tgt Ion: 41	Resp: 5205
Ion Ratio	Lower Upper
41 100	
39 70.0	39.1 117.5
76 30.7	19.8 59.4

Manual Integrations
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Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#18

Methylene Chloride

Concen: 6.931 ug/l m

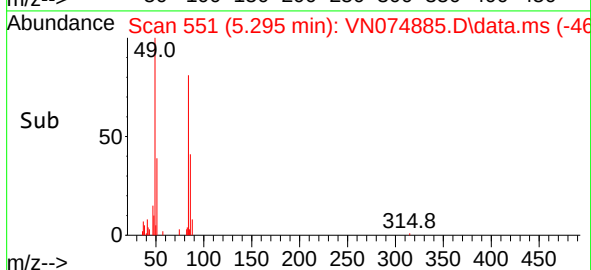
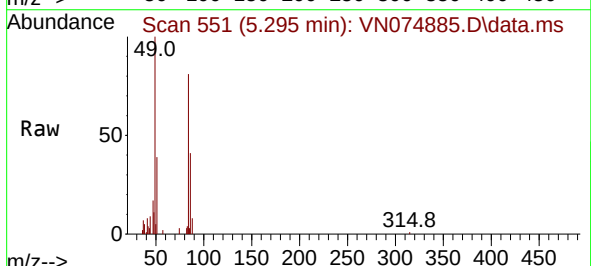
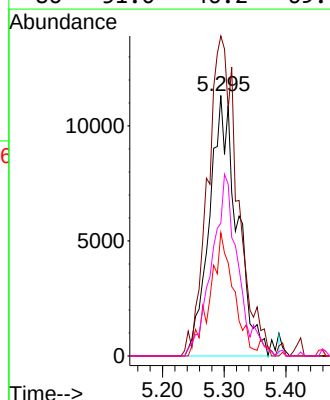
RT: 5.295 min Scan# 551

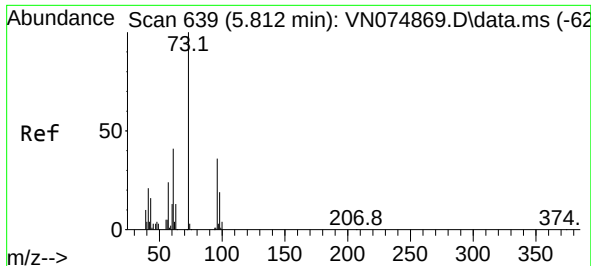
Delta R.T. -0.006 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

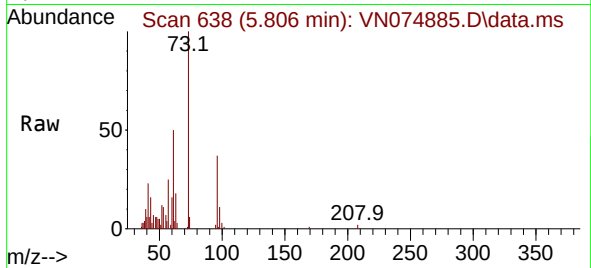
Tgt Ion: 84	Resp: 36223
Ion Ratio	Lower Upper
84 100	
49 122.8	99.6 149.4
51 47.3	28.2 42.2#
86 51.0	46.2 69.4





#19
trans-1,2-Dichloroethene
Concen: 6.059 ug/l m
RT: 5.806 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

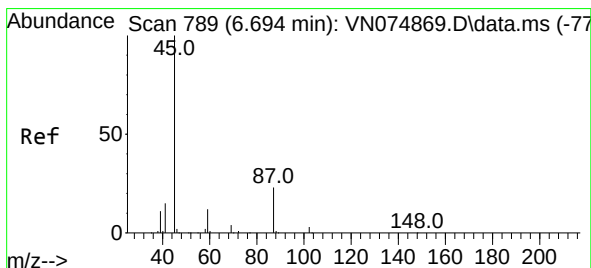
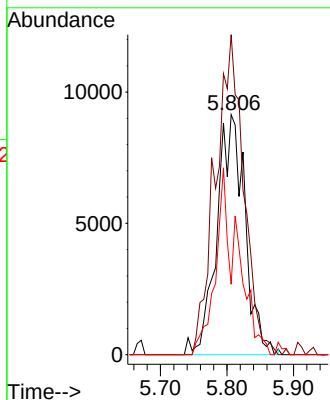
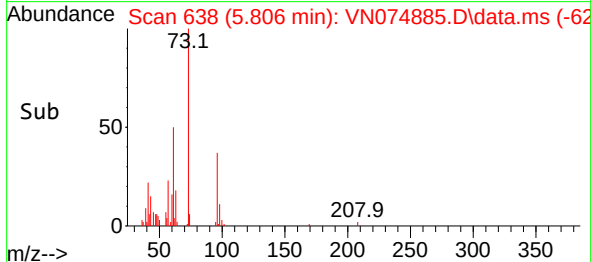
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion: 96 Resp: 26800
Ion Ratio Lower Upper
96 100
61 133.3 110.2 165.4
98 29.3 50.0 75.0

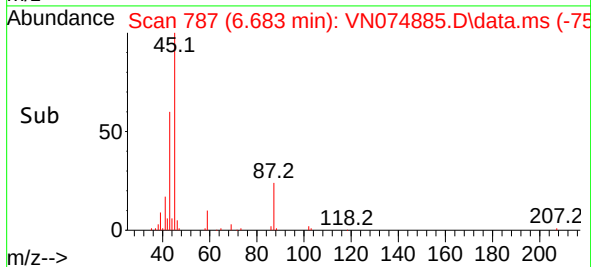
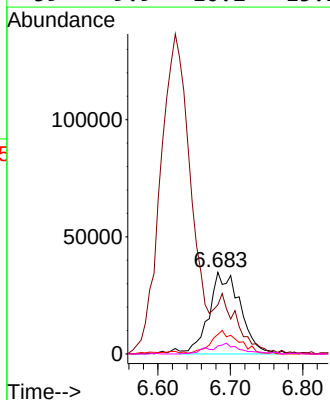
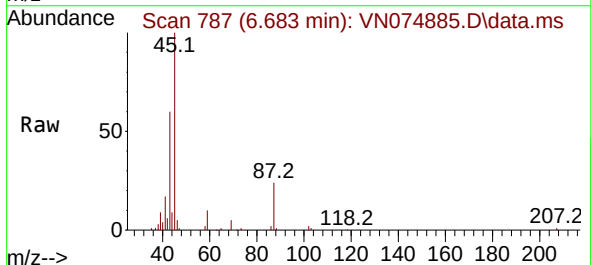
Manual Integrations
APPROVED

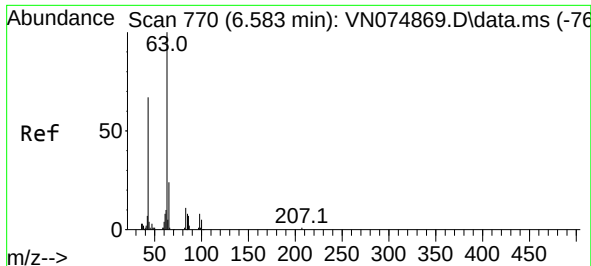
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#20
Diisopropyl ether
Concen: 5.555 ug/l m
RT: 6.683 min Scan# 787
Delta R.T. -0.012 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion: 45 Resp: 104053
Ion Ratio Lower Upper
45 100
43 60.2 47.3 70.9
87 23.9 21.8 32.8
59 9.9 10.2 15.2





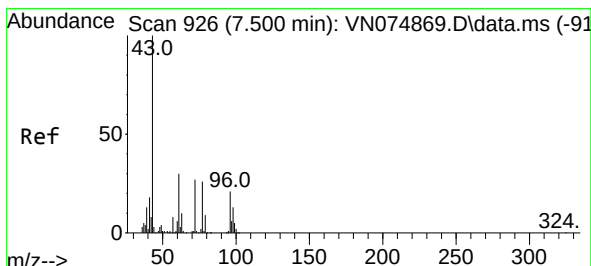
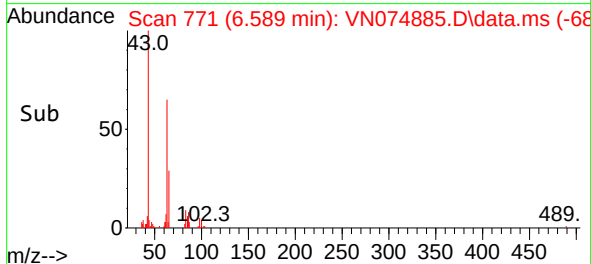
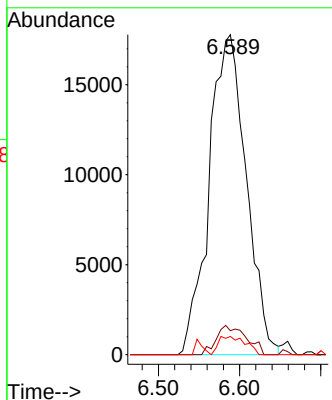
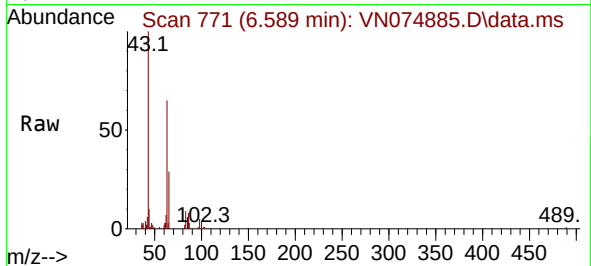
#21
1,1-Dichloroethane
Concen: 5.933 ug/l
RT: 6.589 min Scan# 771
Delta R.T. 0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022

Tgt Ion: 63 Resp: 5654
Ion Ratio Lower Upper
63 100
98 7.5 3.3 9.9
100 5.7 2.2 6.6

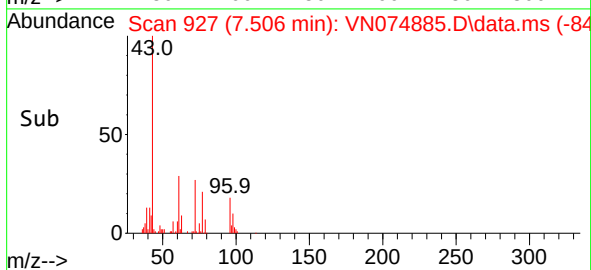
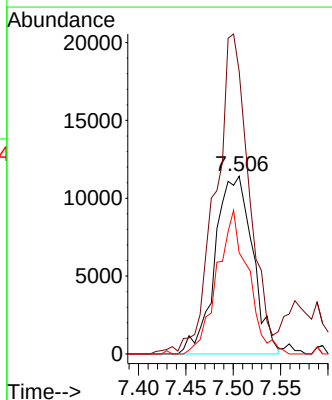
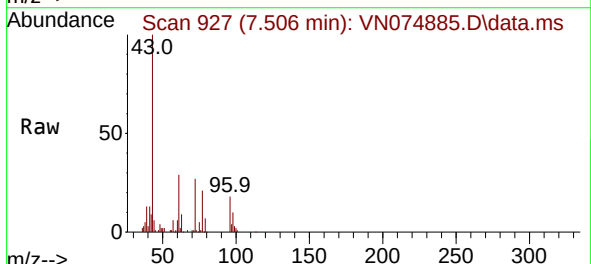
Manual Integrations
APPROVED

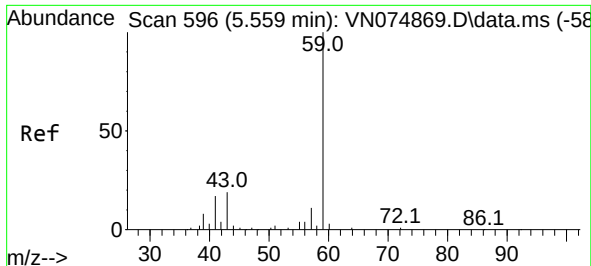
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#22
cis-1,2-Dichloroethene
Concen: 5.677 ug/l
RT: 7.506 min Scan# 927
Delta R.T. 0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

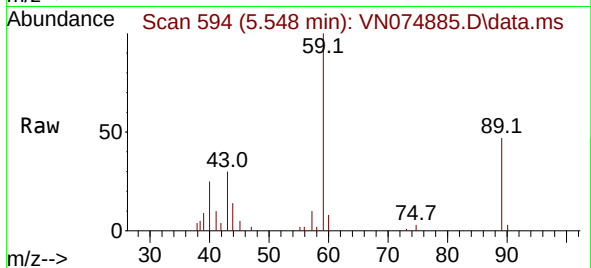
Tgt Ion: 96 Resp: 31453
Ion Ratio Lower Upper
96 100
61 157.3 118.8 178.2
98 66.8 52.1 78.1





#23
tert-Butyl Alcohol
Concen: 35.031 ug/l
RT: 5.548 min Scan# 596
Delta R.T. -0.012 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

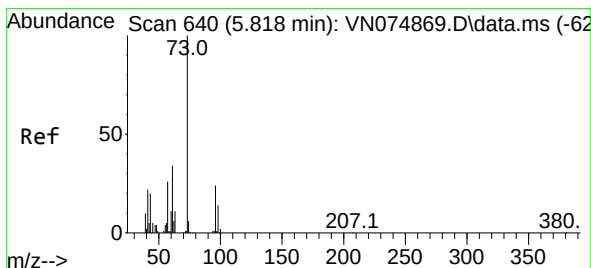
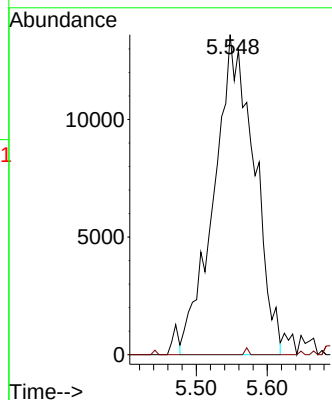
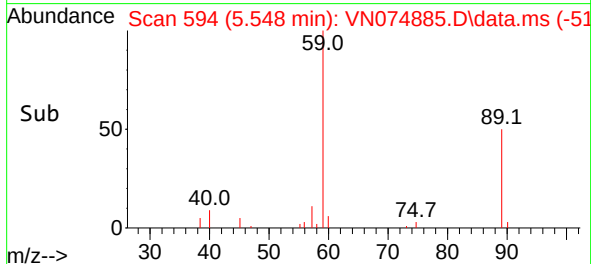
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion: 59 Resp: 53480
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4

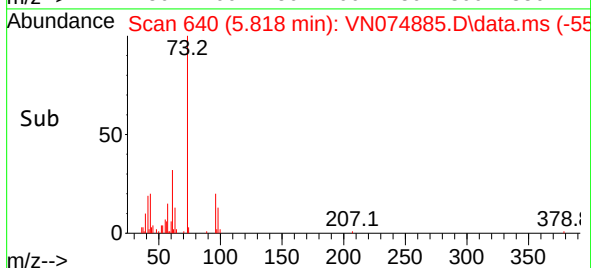
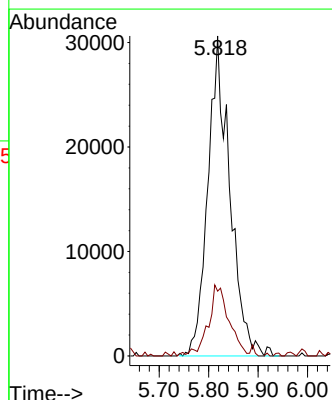
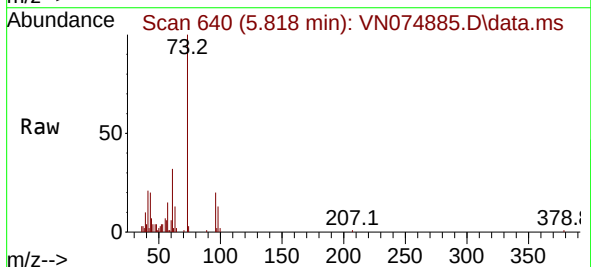
Manual Integrations
APPROVED

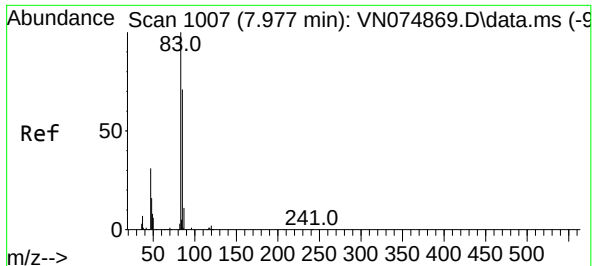
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#24
Methyl tert-Butyl Ether
Concen: 5.616 ug/l m
RT: 5.818 min Scan# 640
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

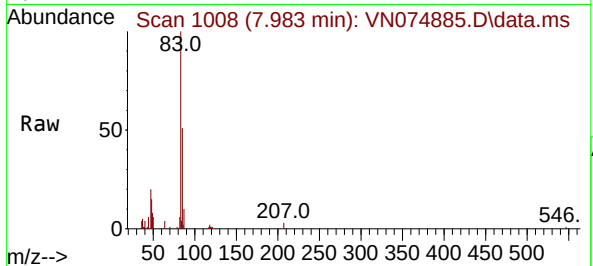
Tgt Ion: 73 Resp: 94537
Ion Ratio Lower Upper
73 100
43 19.8 15.6 23.4





#25
Chloroform
Concen: 5.771 ug/l m
RT: 7.983 min Scan# 1007
Delta R.T. 0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

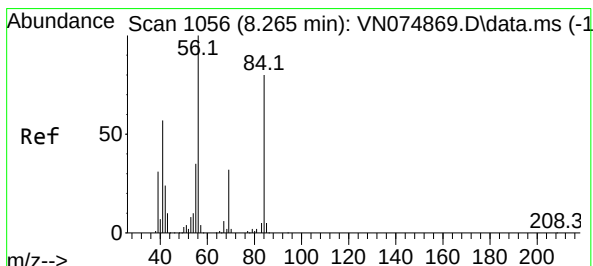
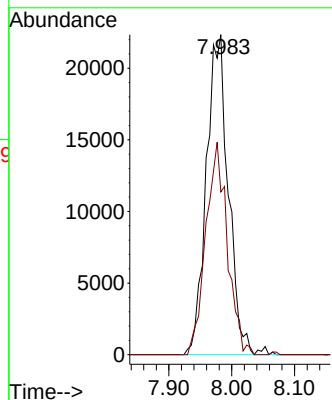
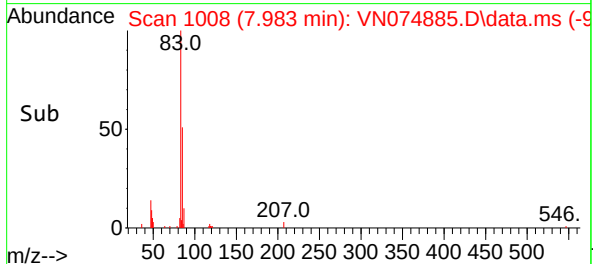
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion: 83 Resp: 54612
Ion Ratio Lower Upper
83 100
85 50.9 53.6 80.4

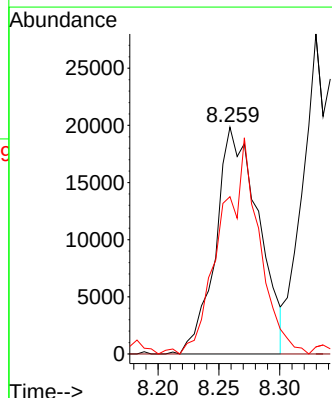
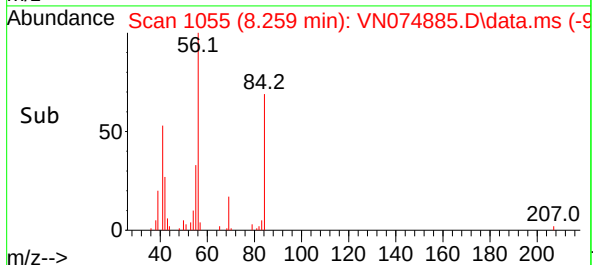
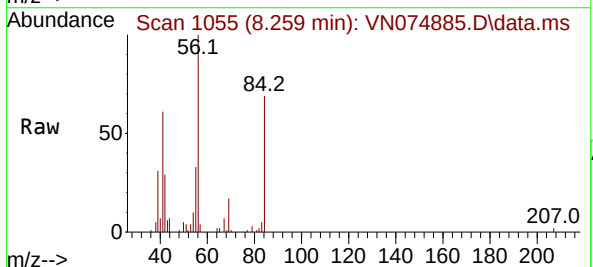
Manual Integrations
APPROVED

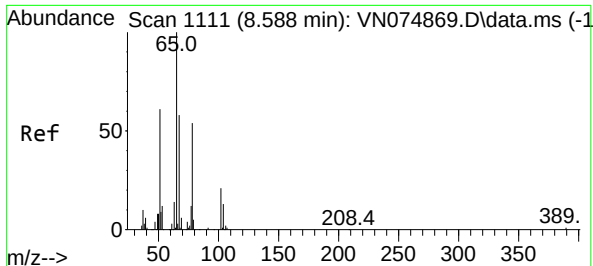
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#26
Cyclohexane
Concen: 5.799 ug/l
RT: 8.259 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion: 56 Resp: 48543
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 42.8 68.4 102.6





#27

1,2-Dichloroethane-d4

Concen: 34.488 ug/l

RT: 8.589 min Scan# 1111

Delta R.T. 0.000 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2022

Tgt Ion: 65 Resp: 213230

Ion Ratio Lower Upper

65 100

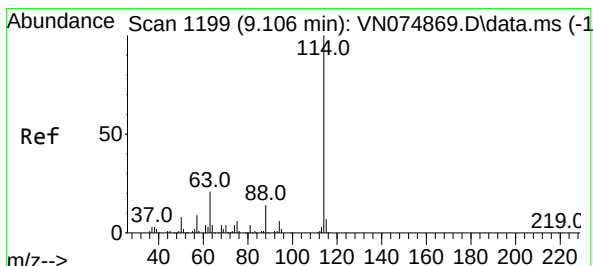
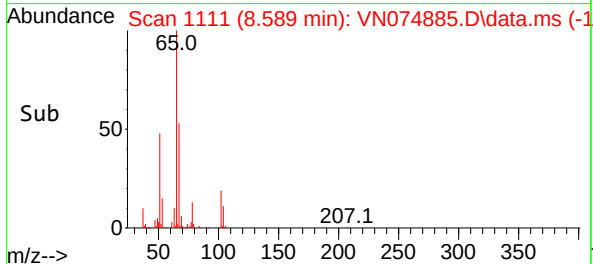
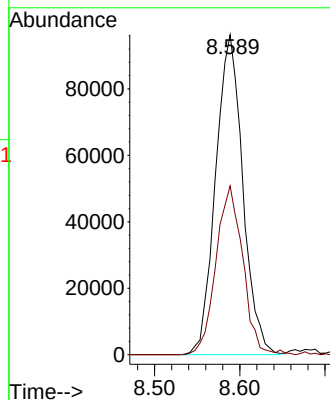
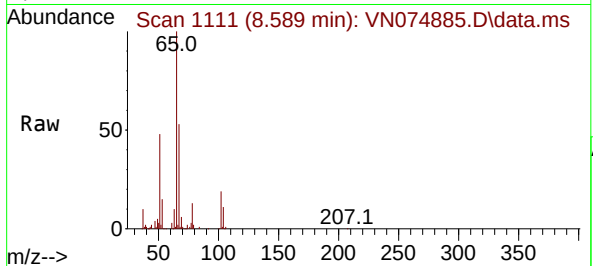
67 51.7 45.2 67.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/13/2022

Supervised By :Mahesh Dadoda 10/14/2022



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

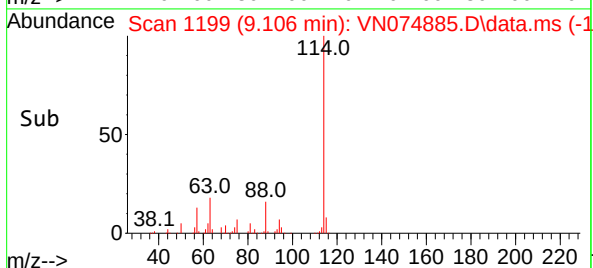
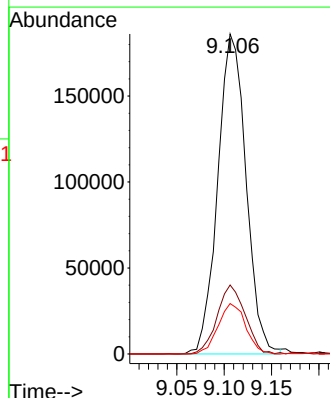
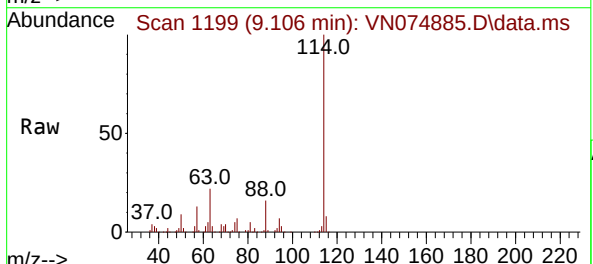
Tgt Ion:114 Resp: 386639

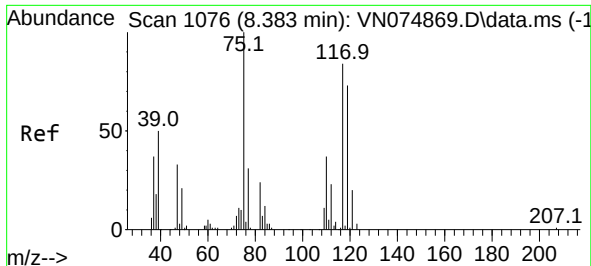
Ion Ratio Lower Upper

114 100

63 21.3 16.6 25.0

88 15.3 12.2 18.4





#29

1,1-Dichloropropene

Concen: 5.331 ug/l

RT: 8.377 min Scan# 1075

Delta R.T. -0.006 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2022

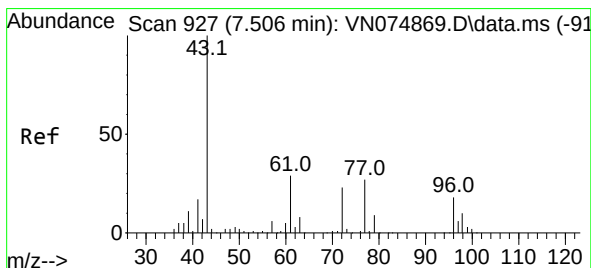
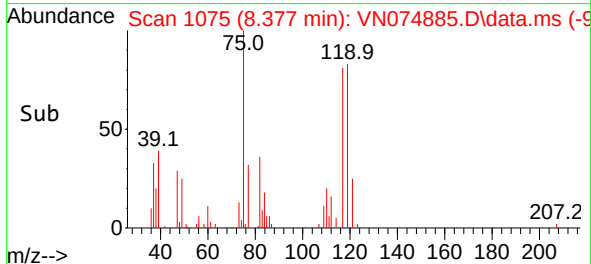
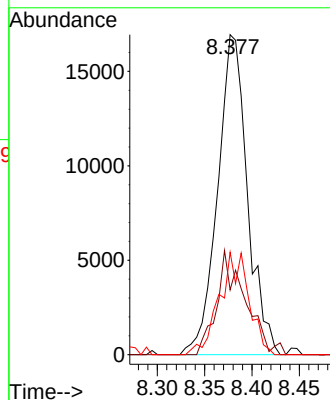
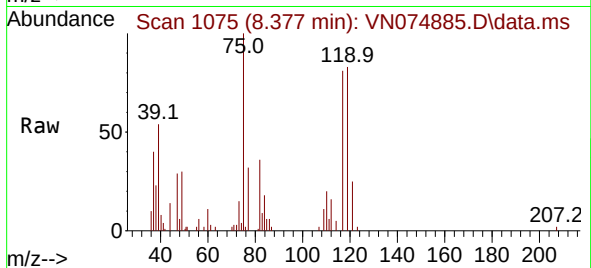
Tgt Ion:	75	Resp:	3719
Ion Ratio	Lower	Upper	
75	100		
110	15.0	0.0	72.2
77	15.5	0.0	64.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/13/2022

Supervised By :Mahesh Dadoda 10/14/2022



#30

2-Butanone

Concen: 27.456 ug/l

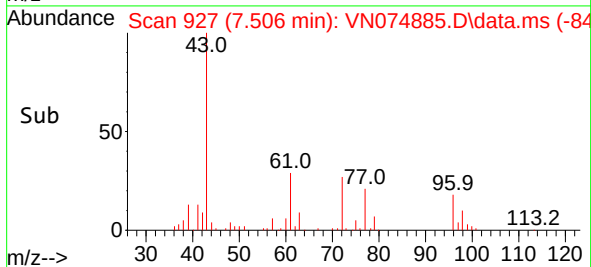
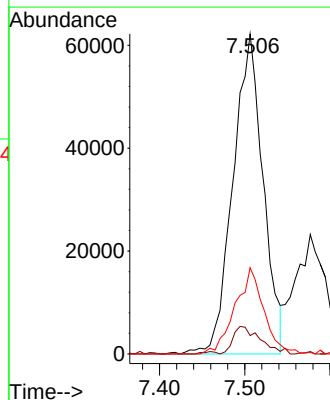
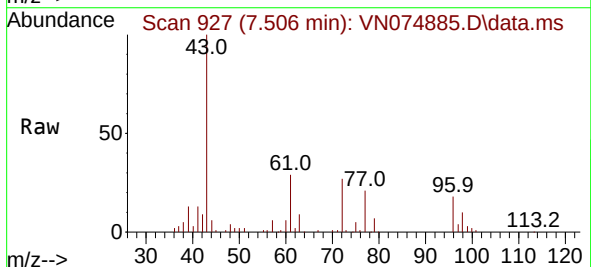
RT: 7.506 min Scan# 927

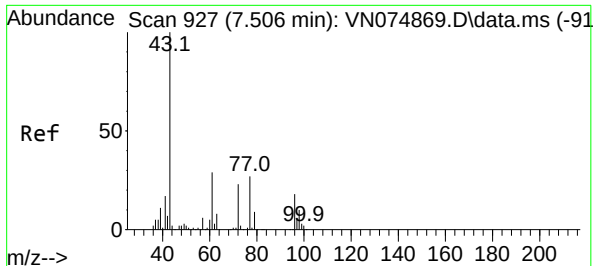
Delta R.T. 0.000 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

Tgt Ion:	43	Resp:	152824
Ion Ratio	Lower	Upper	
43	100		
57	7.5	6.3	9.5
72	24.8	21.0	31.4





#31

2,2-Dichloropropane

Concen: 5.485 ug/l m

RT: 7.494 min Scan# 91

Delta R.T. -0.012 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

Instrument :

MSVOA_N

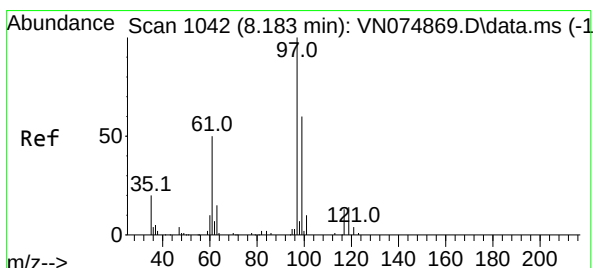
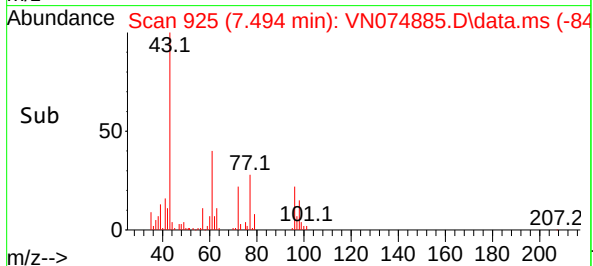
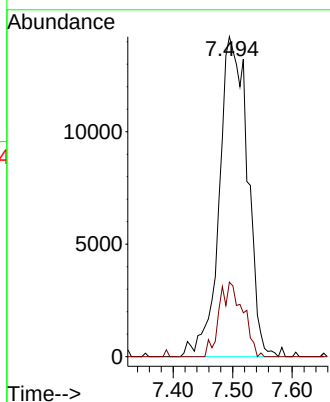
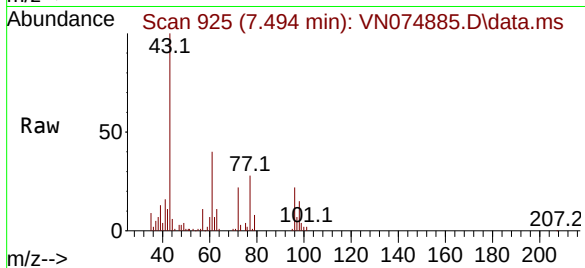
ClientSampleId :

LOQ-WATER-02-QT4-2022

Tgt Ion: 77 Resp: 4684
 Ion Ratio Lower Upper
 77 100
 97 12.4 18.4 27.6

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/13/2022
 Supervised By :Mahesh Dadoda 10/14/2022



#32

1,1,1-Trichloroethane

Concen: 5.372 ug/l

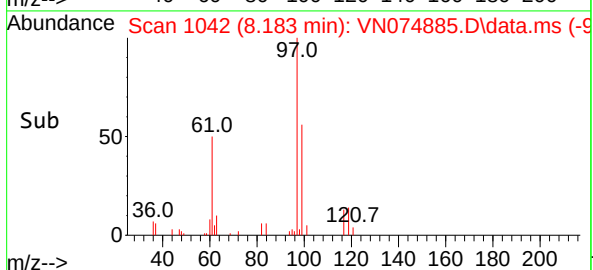
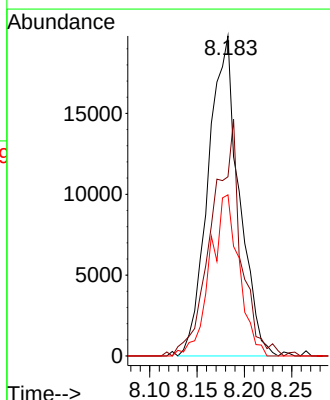
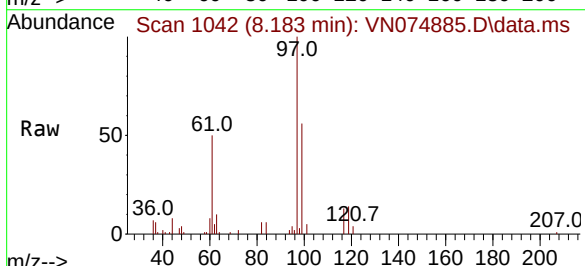
RT: 8.183 min Scan# 1042

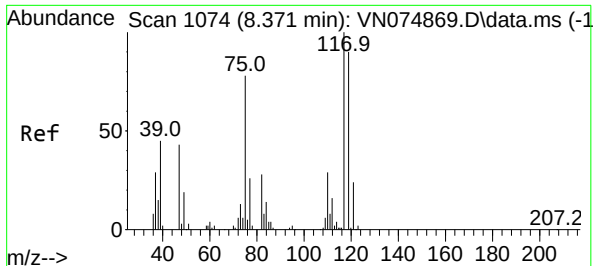
Delta R.T. 0.000 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

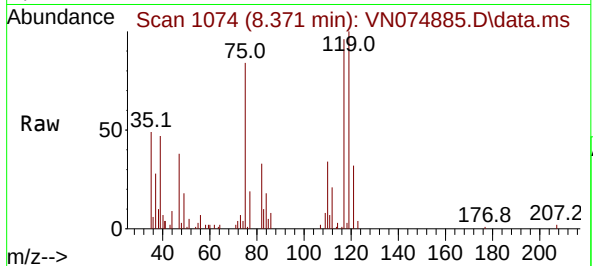
Tgt Ion: 97 Resp: 44940
 Ion Ratio Lower Upper
 97 100
 99 35.0 50.0 75.0#
 61 47.2 36.1 54.1





#33
Carbon Tetrachloride
Concen: 4.936 ug/l
RT: 8.371 min Scan# 1107
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

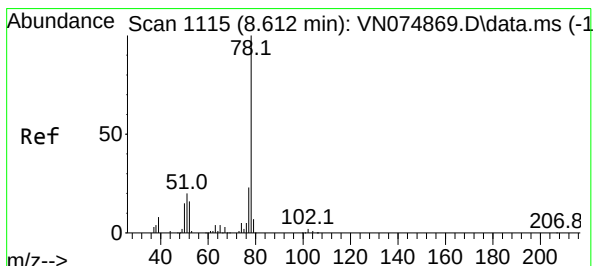
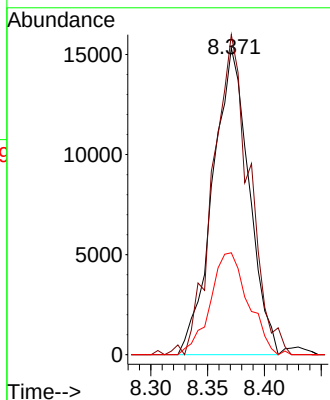
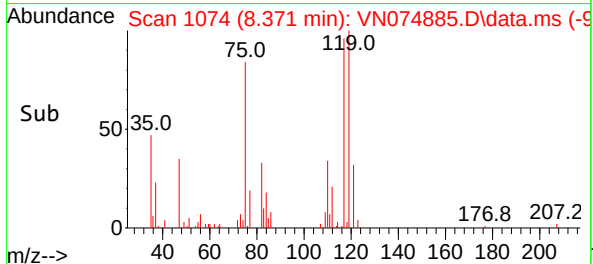
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion:117 Resp: 33914
Ion Ratio Lower Upper
117 100
119 101.2 77.8 116.6
121 33.2 27.6 41.4

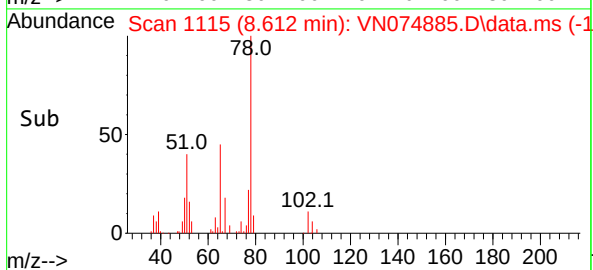
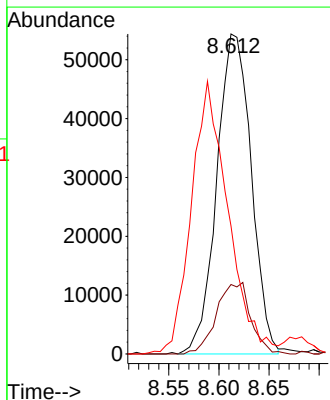
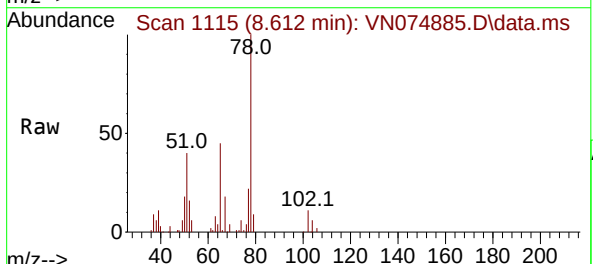
Manual Integrations
APPROVED

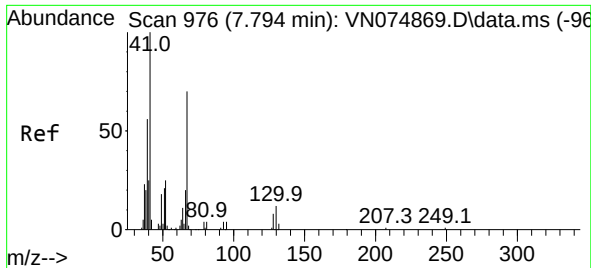
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#34
Benzene
Concen: 5.638 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

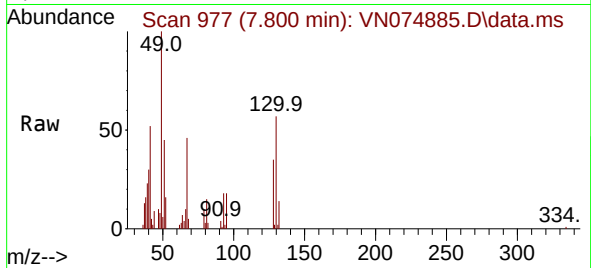
Tgt Ion: 78 Resp: 130014
Ion Ratio Lower Upper
78 100
77 21.7 19.9 29.9
51 37.5 21.1 31.7#





#35
Methacrylonitrile
Concen: 4.520 ug/l
RT: 7.800 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

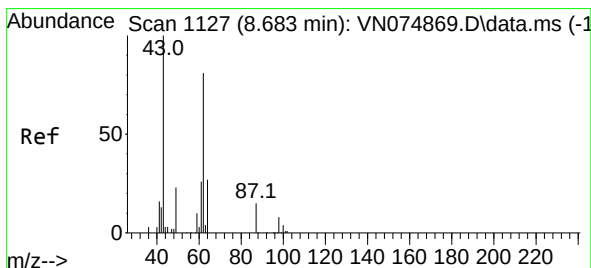
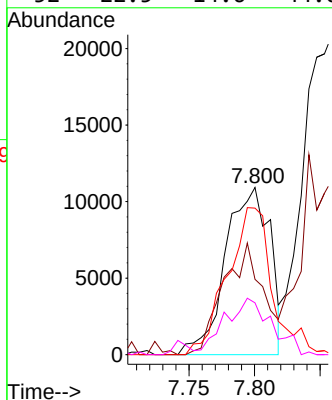
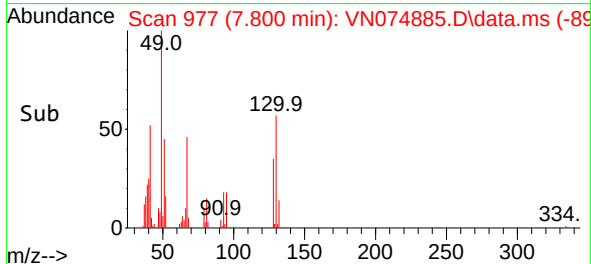
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion: 41 Resp: 2585
Ion Ratio Lower Upper
41 100
39 45.1 27.7 83.1
67 87.6 38.0 113.9
52 22.5 14.6 44.0

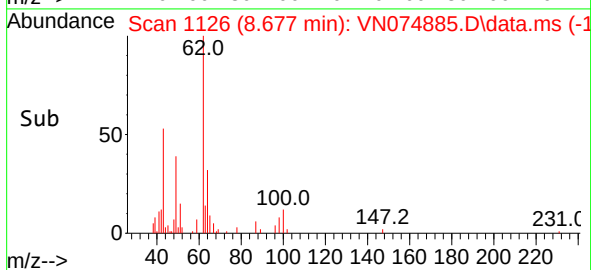
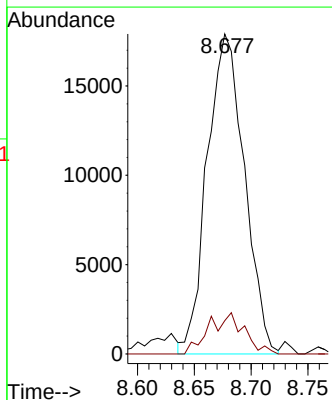
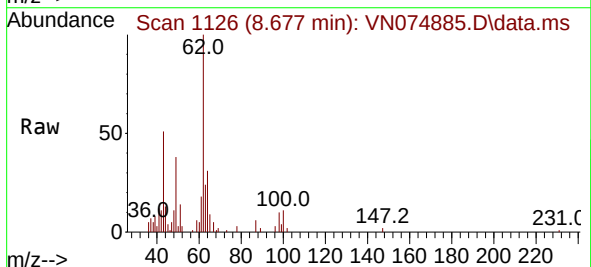
Manual Integrations
APPROVED

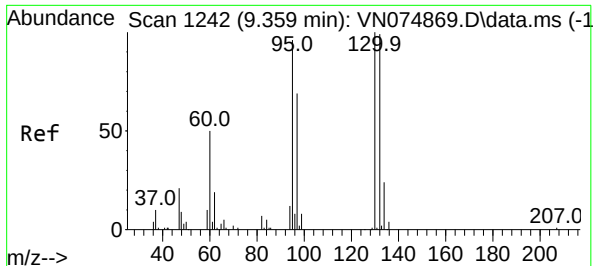
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#36
1,2-Dichloroethane
Concen: 5.326 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion: 62 Resp: 40897
Ion Ratio Lower Upper
62 100
98 6.9 7.4 11.2#





#37

Trichloroethene

Concen: 5.402 ug/l

RT: 9.359 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

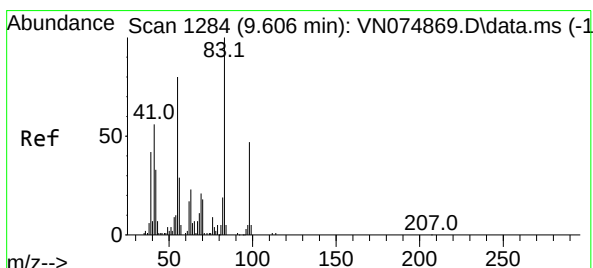
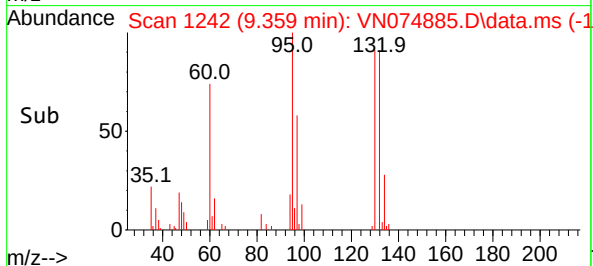
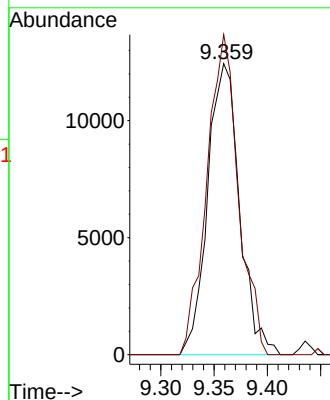
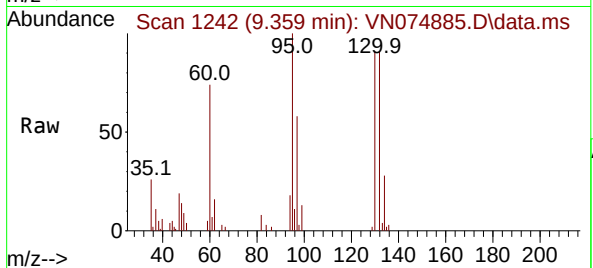
LOQ-WATER-02-QT4-2022

Tgt Ion:130 Resp: 25900
 Ion Ratio Lower Upper
 130 100
 95 110.0 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/13/2022
 Supervised By :Mahesh Dadoda 10/14/2022



#38

Methylcyclohexane

Concen: 5.265 ug/l

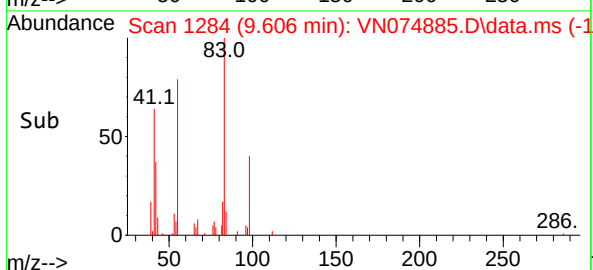
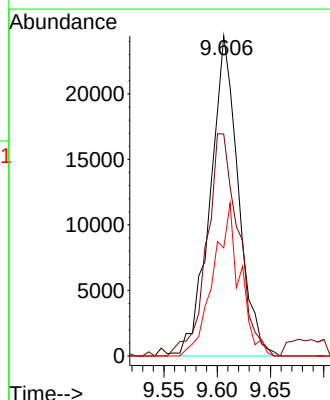
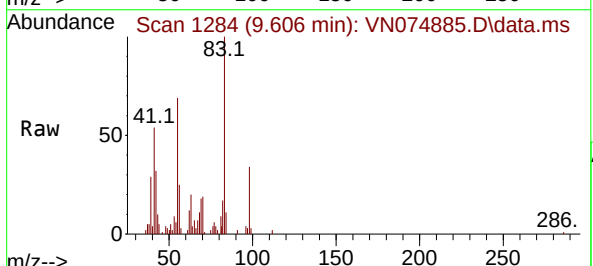
RT: 9.606 min Scan# 1284

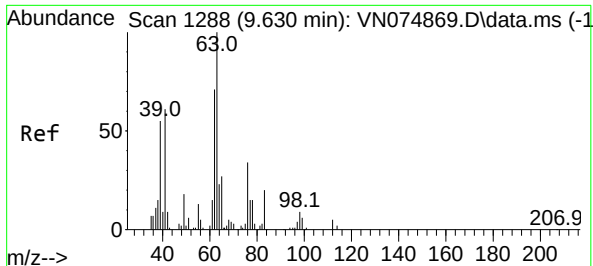
Delta R.T. 0.000 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

Tgt Ion: 83 Resp: 44625
 Ion Ratio Lower Upper
 83 100
 55 78.0 37.4 112.2
 98 45.5 24.5 73.5





#39

1,2-Dichloropropane

Concen: 5.415 ug/l

RT: 9.624 min Scan# 1288

Delta R.T. -0.006 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2022

Tgt Ion: 63 Resp: 3236

Ion Ratio Lower Upper

63 100

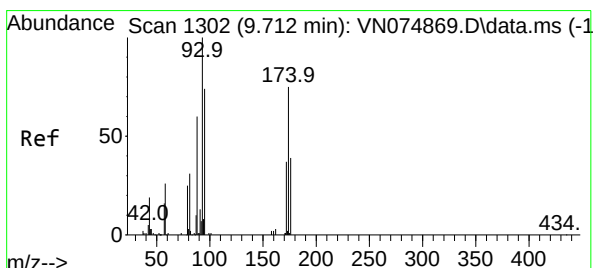
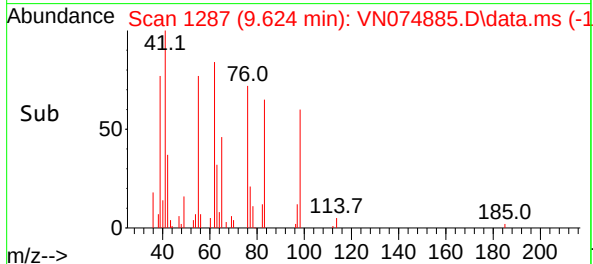
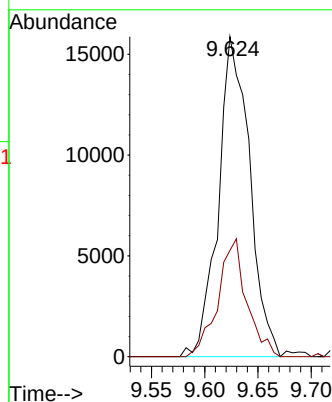
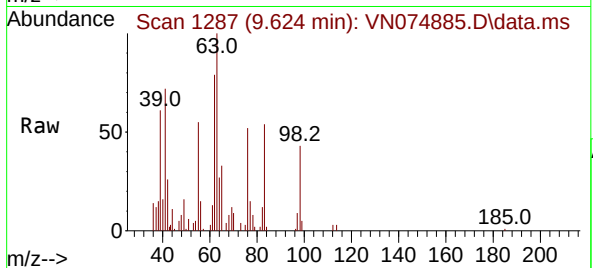
65 33.2 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/13/2022

Supervised By :Mahesh Dadoda 10/14/2022



#40

Dibromomethane

Concen: 5.804 ug/l m

RT: 9.718 min Scan# 1303

Delta R.T. 0.006 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

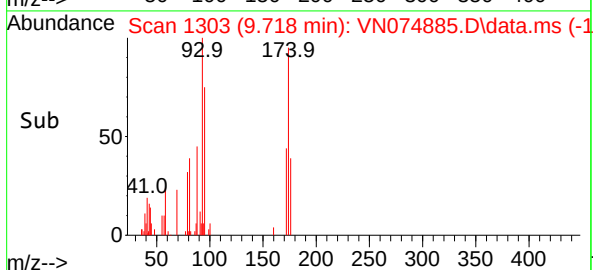
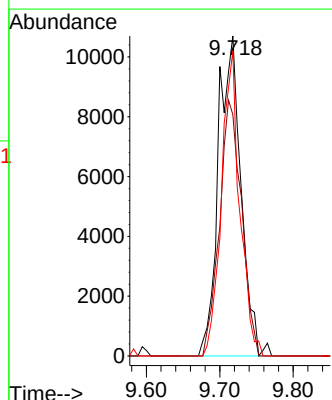
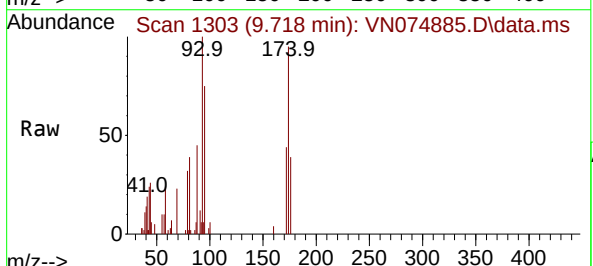
Tgt Ion: 93 Resp: 22992

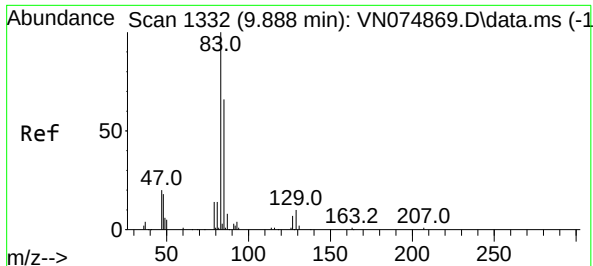
Ion Ratio Lower Upper

93 100

95 77.6 0.0 168.0

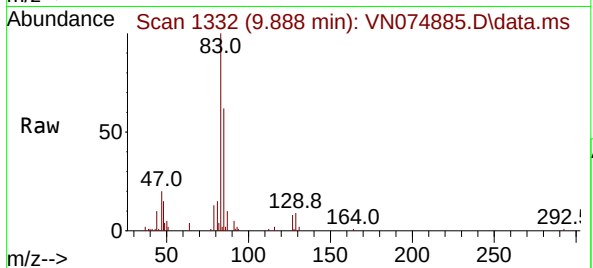
174 77.0 0.0 158.4





#41
Bromodichloromethane
Concen: 5.578 ug/l
RT: 9.888 min Scan# 1332
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

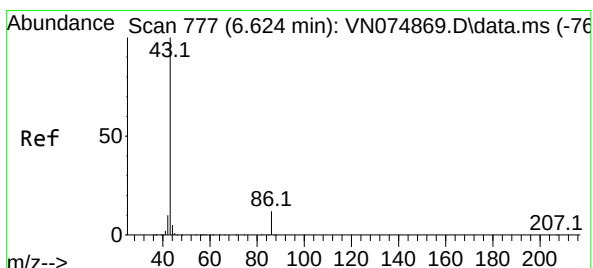
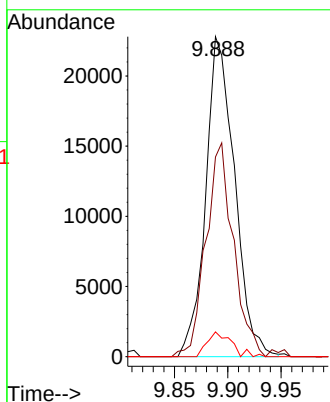
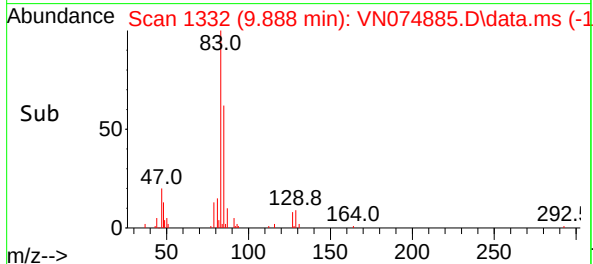
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



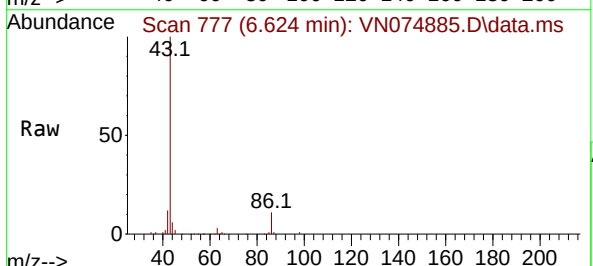
Tgt Ion: 83 Resp: 43034
Ion Ratio Lower Upper
83 100
85 61.1 50.2 75.4
127 7.8 5.1 7.7

Manual Integrations
APPROVED

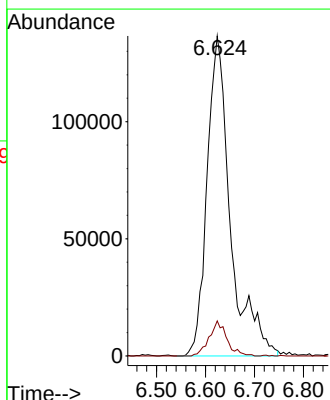
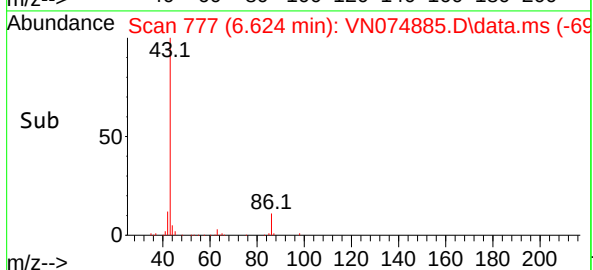
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022

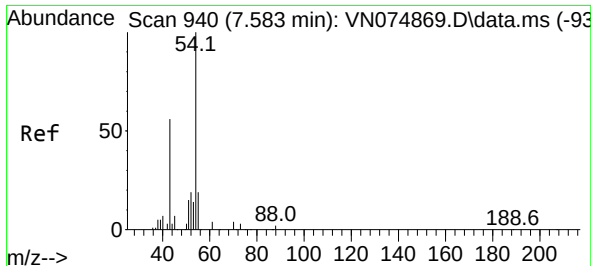


#42
Vinyl Acetate
Concen: 27.308 ug/l m
RT: 6.624 min Scan# 777
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09



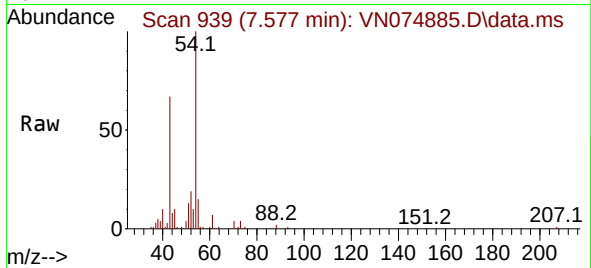
Tgt Ion: 43 Resp: 452783
Ion Ratio Lower Upper
43 100
86 7.7 7.5 11.3





#43
Ethyl Acetate
Concen: 5.789 ug/l m
RT: 7.577 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

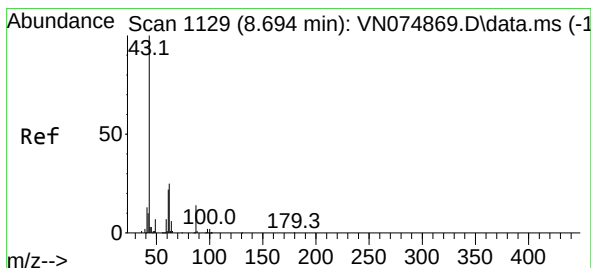
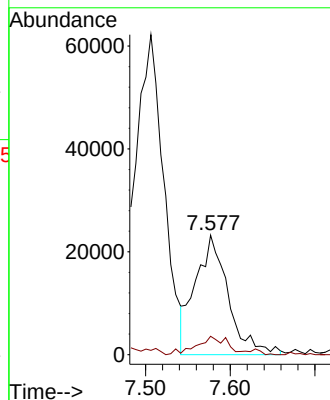
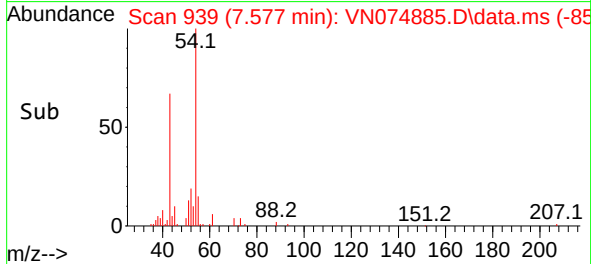
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion: 43 Resp: 62640
Ion Ratio Lower Upper
43 100
45 0.1 11.5 17.3

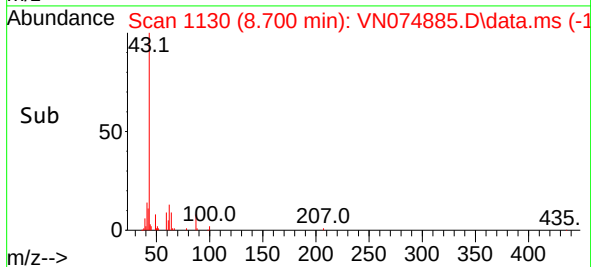
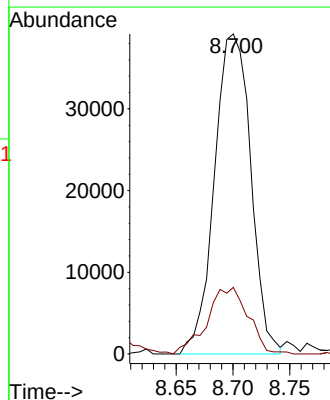
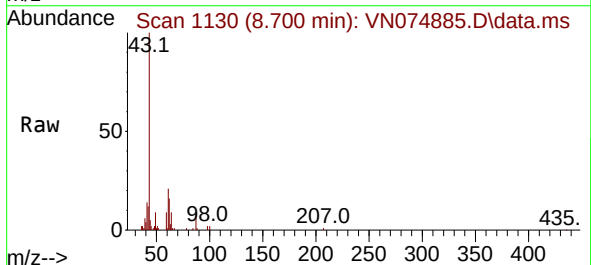
Manual Integrations
APPROVED

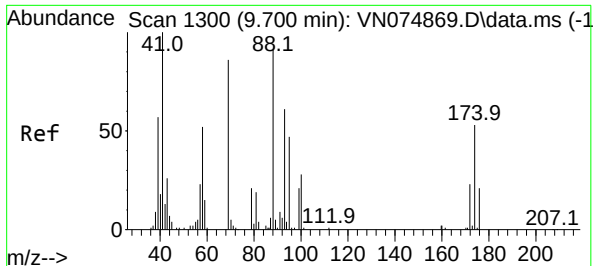
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#44
Isopropyl Acetate
Concen: 5.215 ug/l
RT: 8.700 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

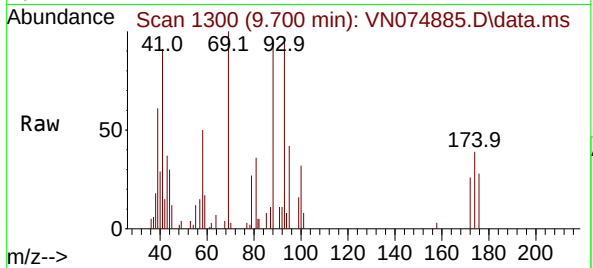
Tgt Ion: 43 Resp: 87281
Ion Ratio Lower Upper
43 100
61 23.3 19.5 29.3





#45
1,4-Dioxane
Concen: 104.478 ug/l
RT: 9.700 min Scan# 1300
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

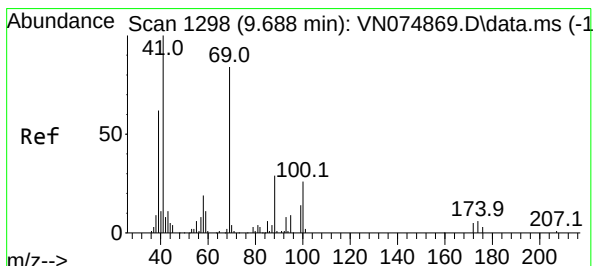
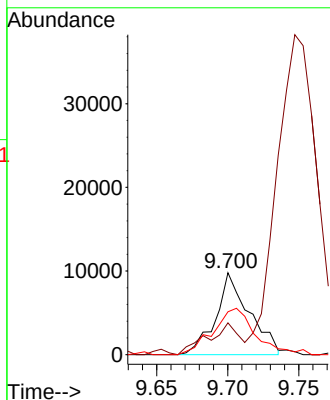
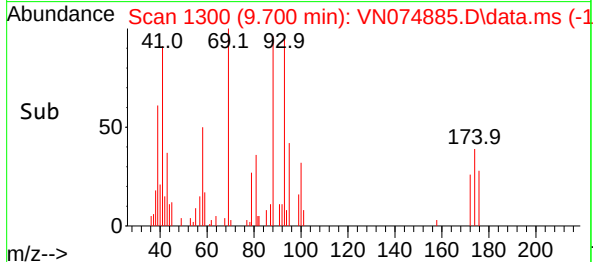
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



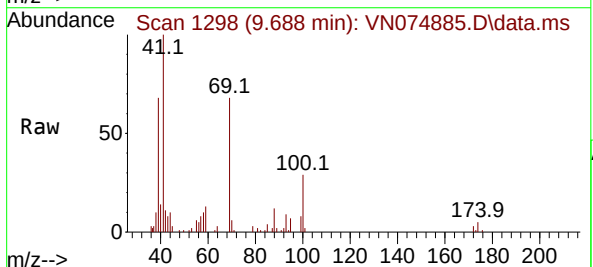
Tgt Ion: 88 Resp: 1603
Ion Ratio Lower Upper
88 100
43 9.5 25.7 38.5
58 70.3 53.4 80.2

Manual Integrations
APPROVED

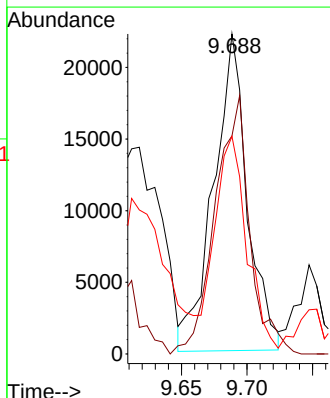
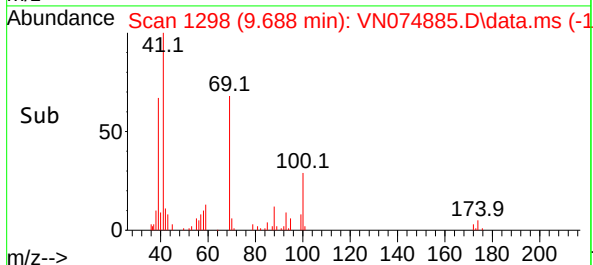
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022

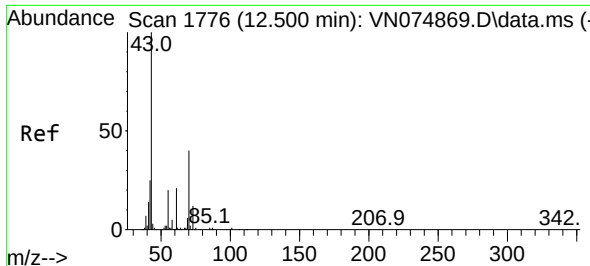


#46
Methyl methacrylate
Concen: 5.451 ug/l
RT: 9.688 min Scan# 1298
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09



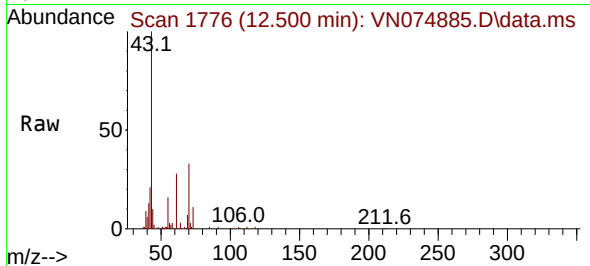
Tgt Ion: 41 Resp: 39512
Ion Ratio Lower Upper
41 100
69 70.5 45.6 136.7
39 71.1 32.3 96.9





#47
n-amyl acetate
Concen: 4.973 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

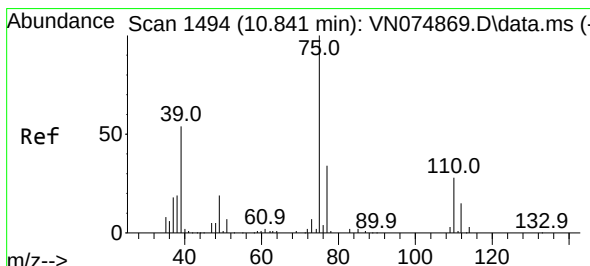
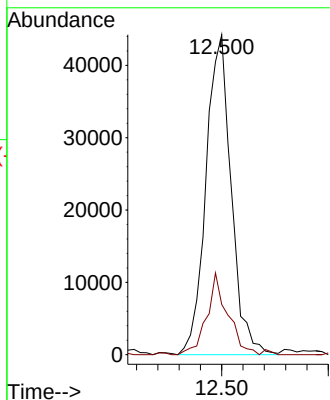
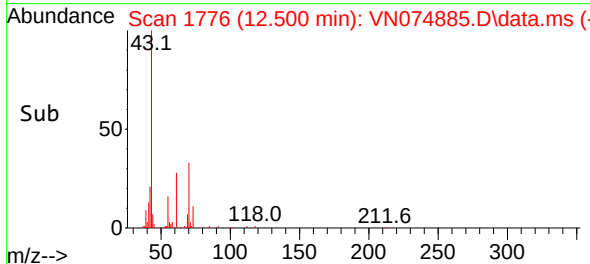
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion: 43 Resp: 72819
Ion Ratio Lower Upper
43 100
55 21.1 16.8 25.2

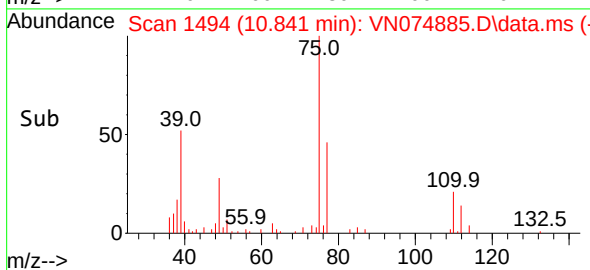
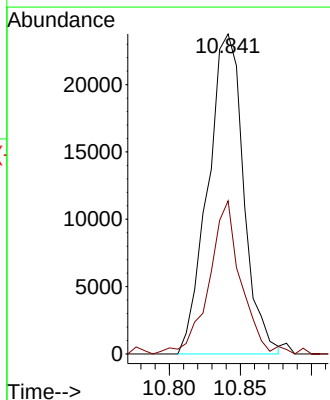
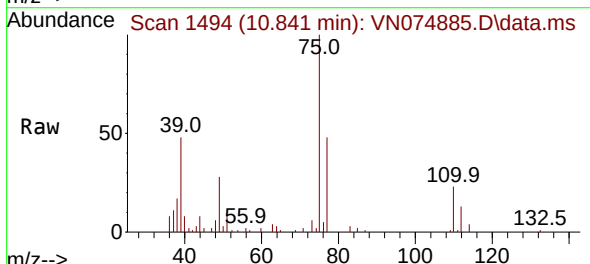
Manual Integrations
APPROVED

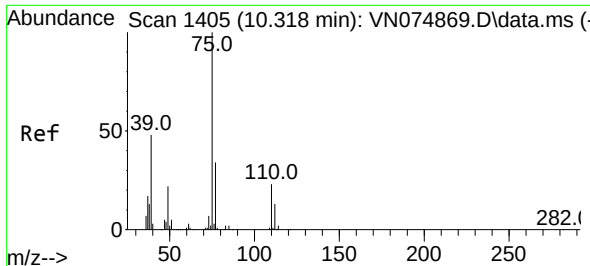
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#48
t-1,3-Dichloropropene
Concen: 4.688 ug/l
RT: 10.841 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion: 75 Resp: 41496
Ion Ratio Lower Upper
75 100
77 46.4 25.8 38.8#





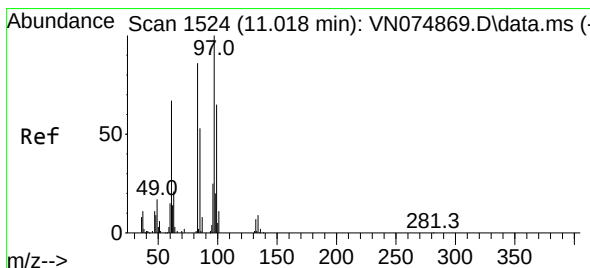
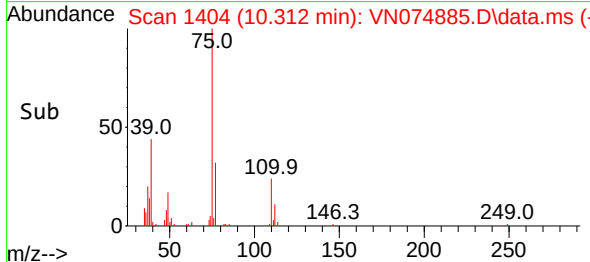
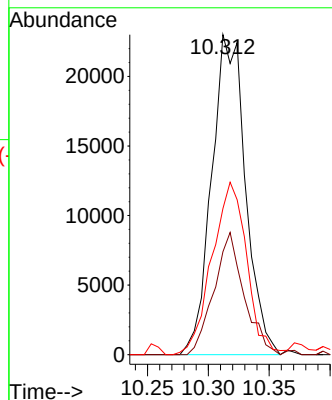
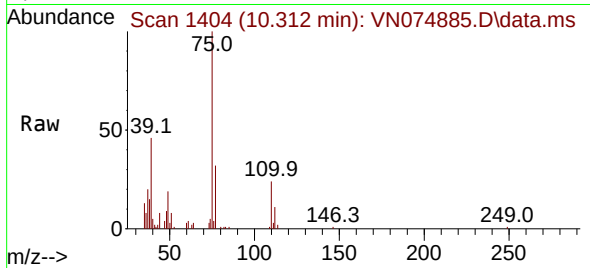
#49
cis-1,3-Dichloropropene
Concen: 4.733 ug/l
RT: 10.312 min Scan# 1404
Delta R.T. -0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022

Tgt Ion: 75 Resp: 44420
Ion Ratio Lower Upper
75 100
77 32.2 22.5 33.7
39 44.9 37.6 56.4

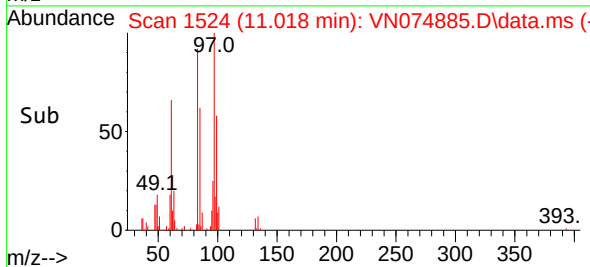
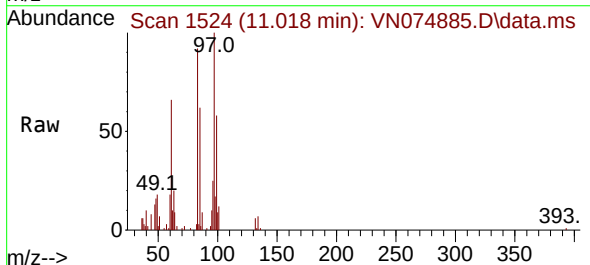
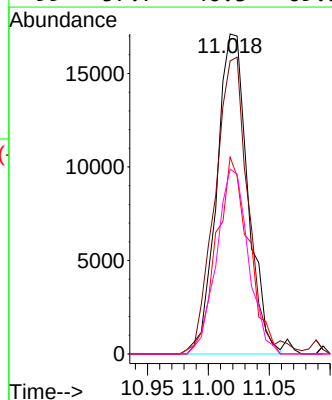
Manual Integrations
APPROVED

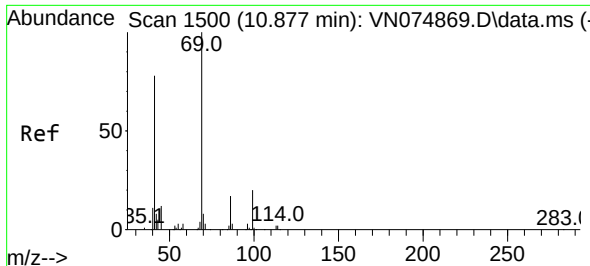
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#50
1,1,2-Trichloroethane
Concen: 5.252 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion: 97 Resp: 30618
Ion Ratio Lower Upper
97 100
83 91.6 69.2 103.8
85 61.5 41.4 62.2
99 57.7 46.3 69.5





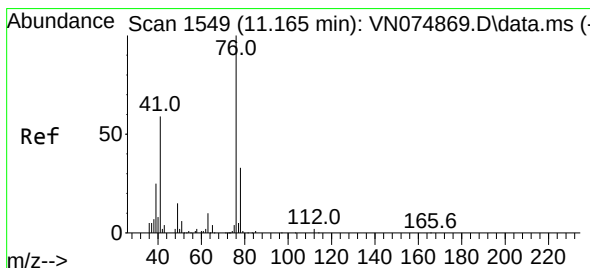
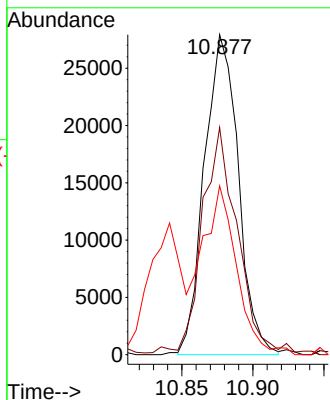
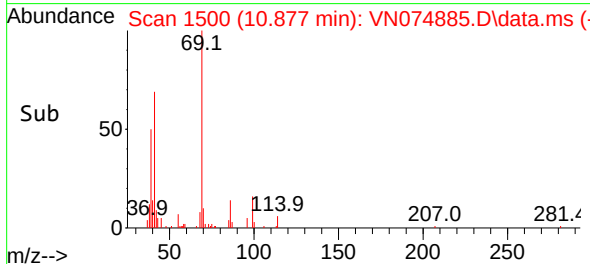
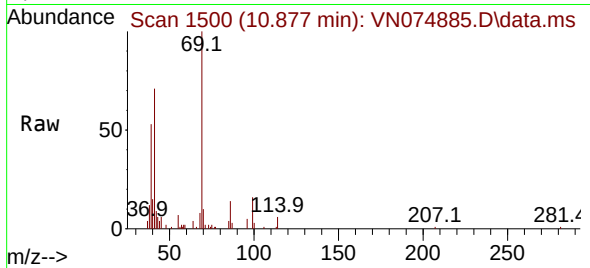
#51
Ethyl methacrylate
Concen: 4.680 ug/l
RT: 10.877 min Scan# 1500
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022

Tgt Ion: 69 Resp: 46390
Ion Ratio Lower Upper
69 100
41 70.1 32.5 97.5
39 50.9 21.5 64.5

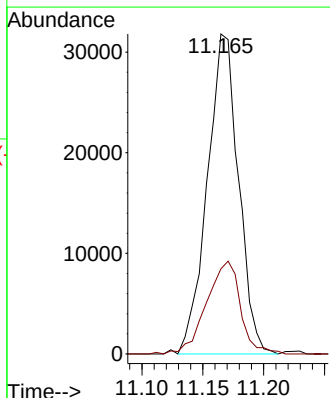
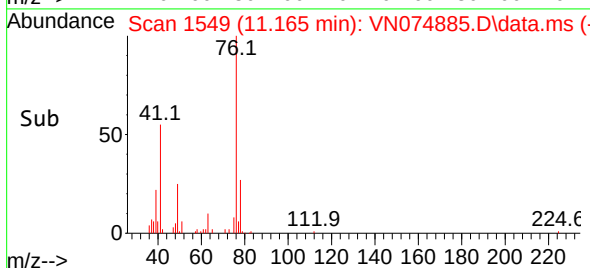
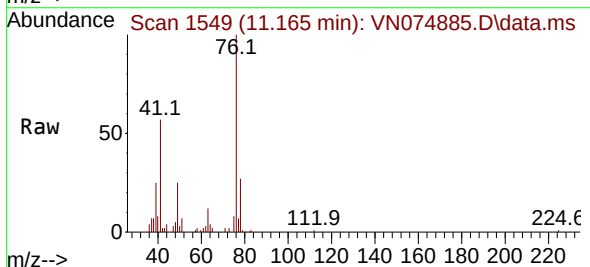
Manual Integrations
APPROVED

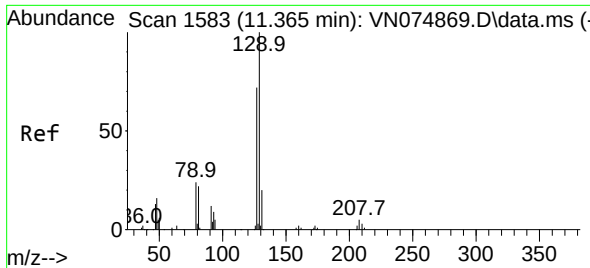
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#52
1,3-Dichloropropane
Concen: 5.630 ug/l
RT: 11.165 min Scan# 1549
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion: 76 Resp: 56643
Ion Ratio Lower Upper
76 100
78 31.5 0.0 63.8





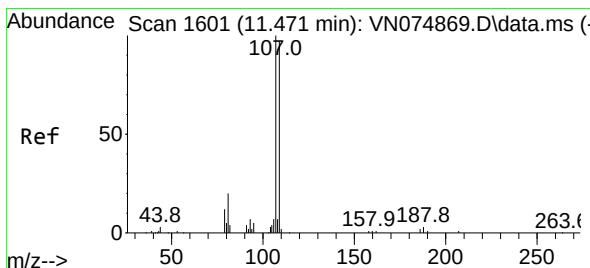
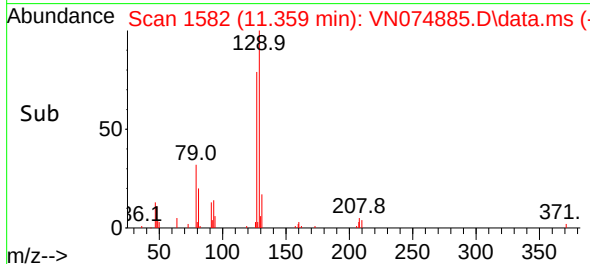
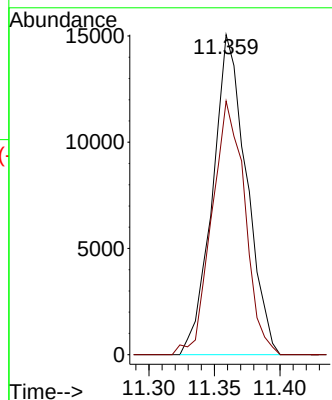
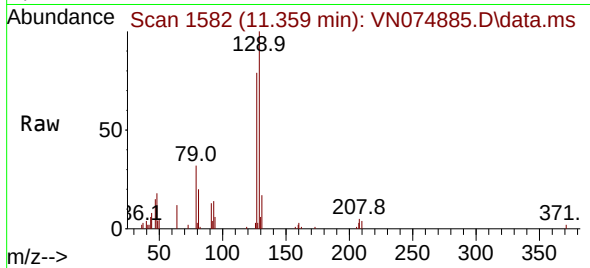
#53
Dibromochloromethane
Concen: 4.744 ug/l
RT: 11.359 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022

Tgt Ion:129 Resp: 27092
Ion Ratio Lower Upper
129 100
127 75.9 40.6 121.7

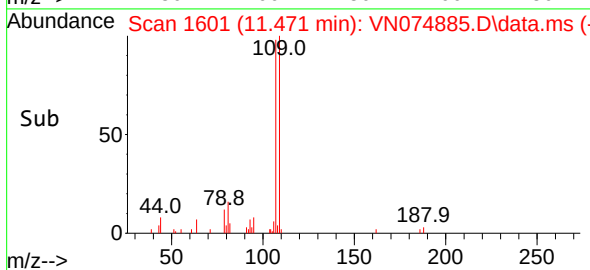
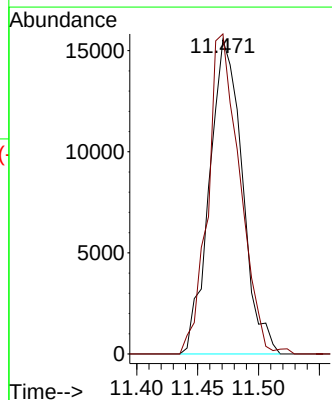
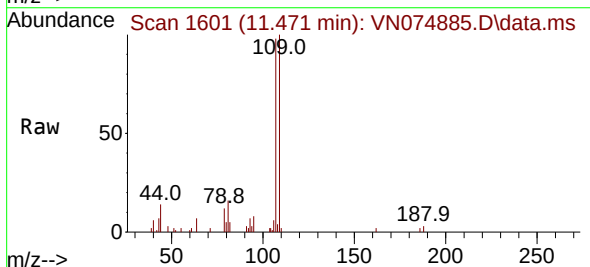
Manual Integrations
APPROVED

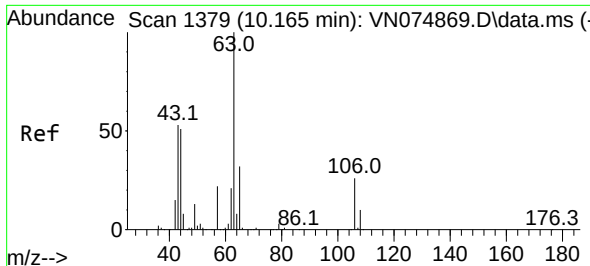
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#54
1,2-Dibromoethane
Concen: 5.211 ug/l
RT: 11.471 min Scan# 1601
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

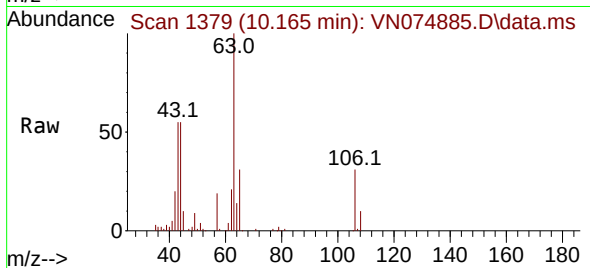
Tgt Ion:107 Resp: 29185
Ion Ratio Lower Upper
107 100
109 98.6 76.2 114.2





#55
2-Chloroethyl vinyl ether
Concen: 23.732 ug/l
RT: 10.165 min Scan# 1379
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

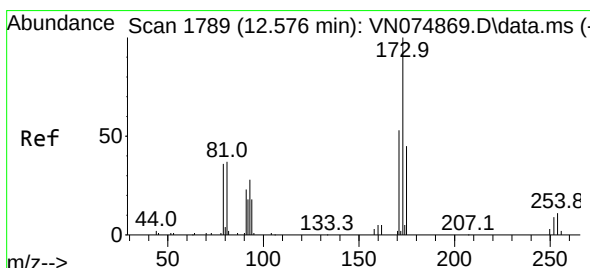
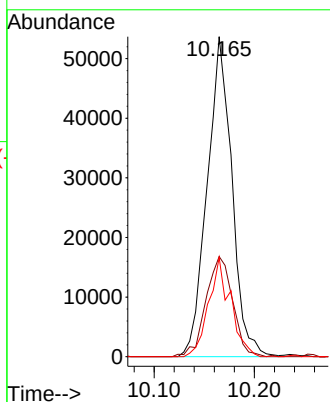
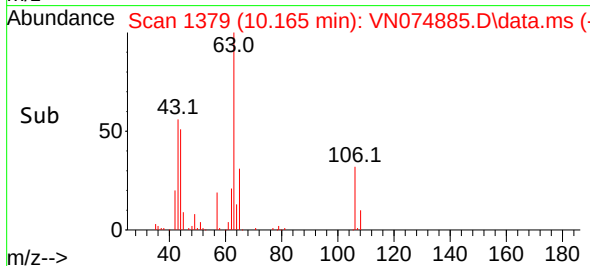
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion: 63 Resp: 92018
Ion Ratio Lower Upper
63 100
65 33.7 24.6 36.8
106 27.5 21.3 31.9

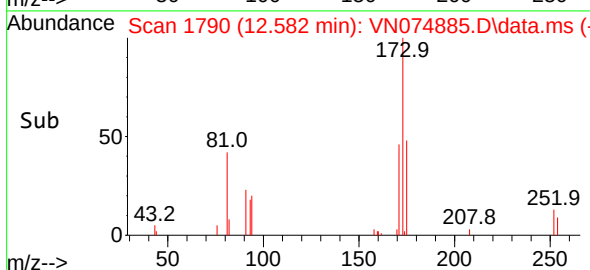
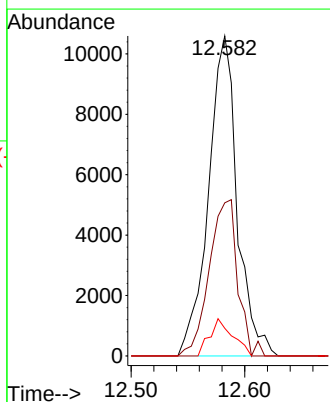
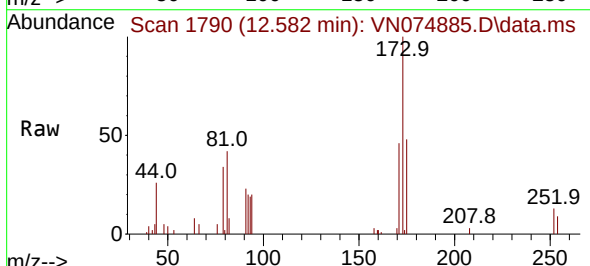
Manual Integrations
APPROVED

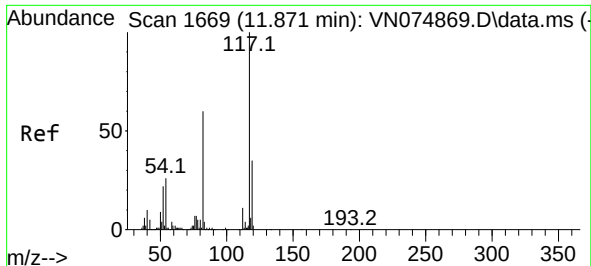
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#56
Bromoform
Concen: 4.535 ug/l
RT: 12.582 min Scan# 1790
Delta R.T. 0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

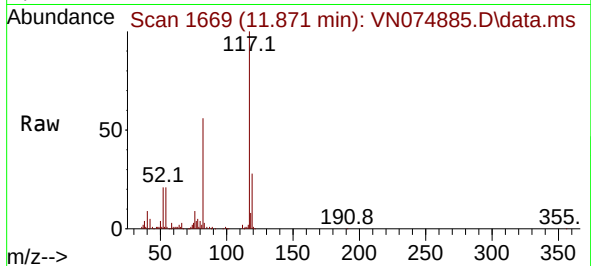
Tgt Ion:173 Resp: 18664
Ion Ratio Lower Upper
173 100
175 47.3 39.1 58.7
254 9.3 7.0 10.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

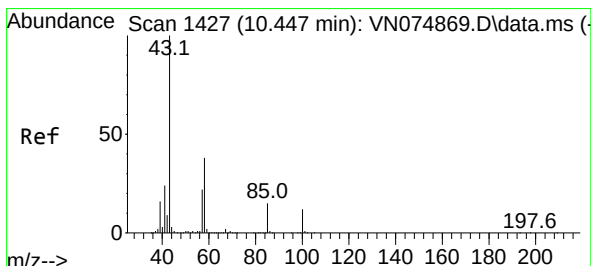
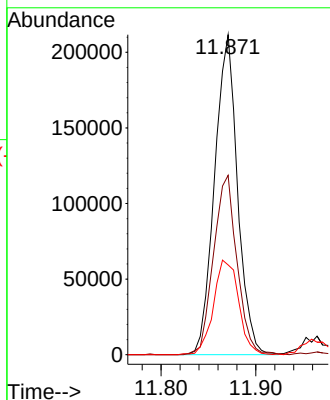
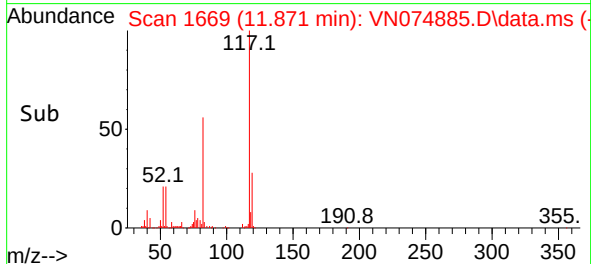
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



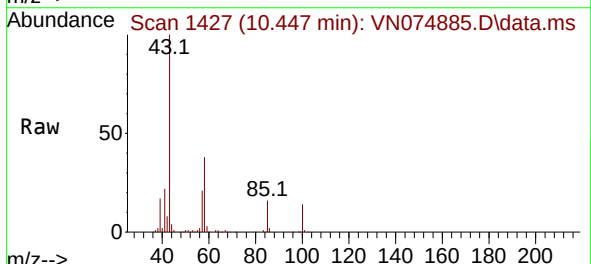
Tgt Ion:117 Resp: 357239
Ion Ratio Lower Upper
117 100
82 56.9 44.6 67.0
119 32.2 25.6 38.4

Manual Integrations
APPROVED

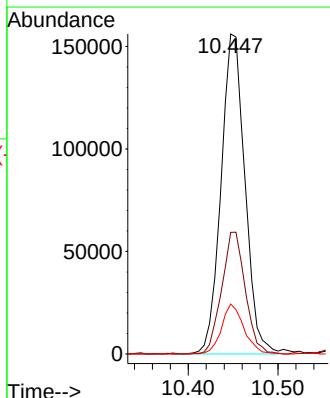
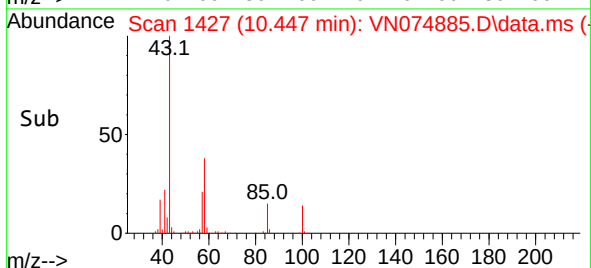
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022

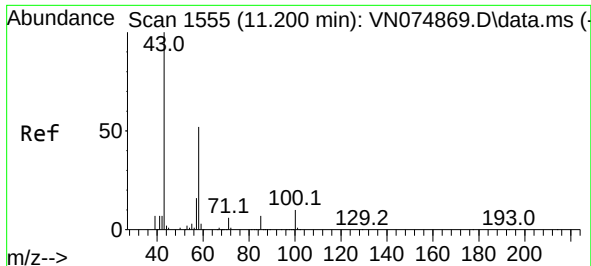


#58
4-Methyl-2-Pentanone
Concen: 25.987 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09



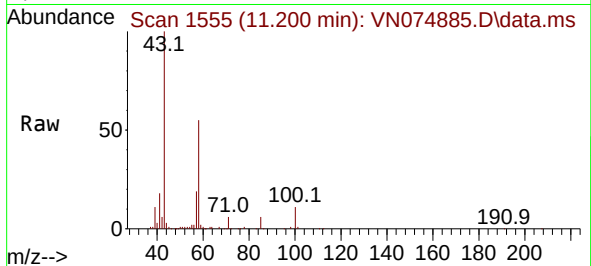
Tgt Ion: 43 Resp: 288724
Ion Ratio Lower Upper
43 100
58 37.6 30.8 46.2
85 14.7 13.3 19.9





#59
2-Hexanone
Concen: 25.586 ug/l
RT: 11.200 min Scan# 111
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

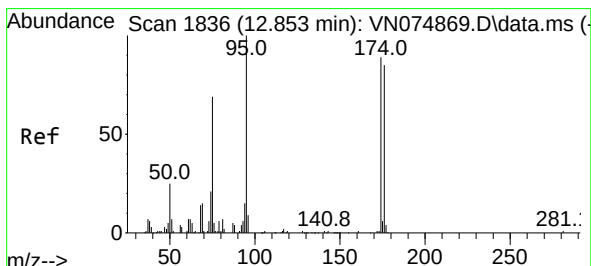
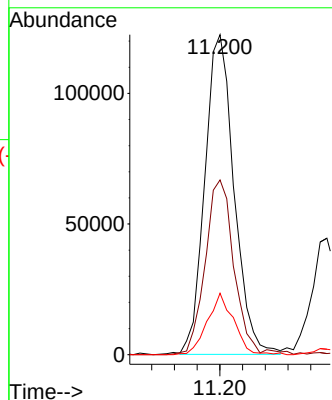
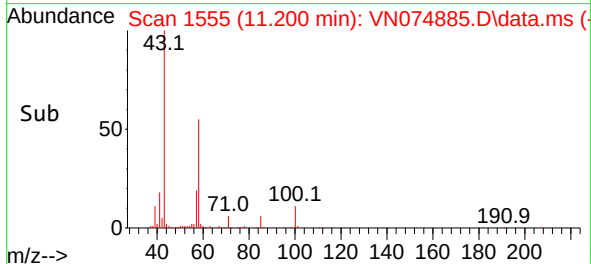
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion: 43 Resp: 21877
Ion Ratio Lower Upper
43 100
58 51.7 43.6 65.4
57 17.1 14.3 21.5

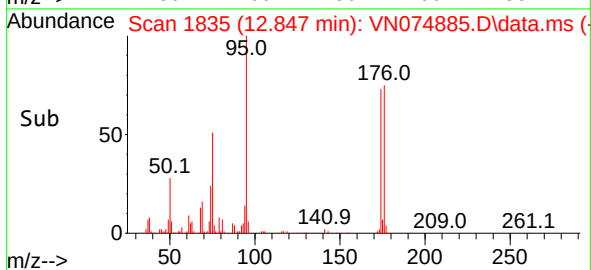
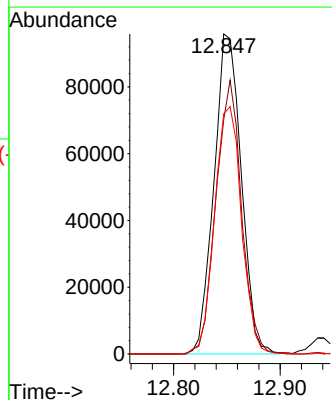
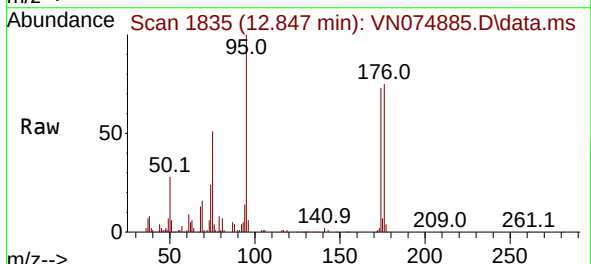
Manual Integrations
APPROVED

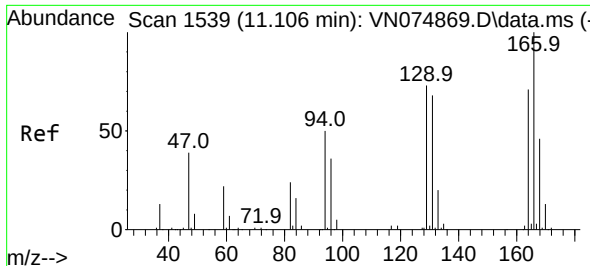
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#60
4-Bromofluorobenzene
Concen: 26.928 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

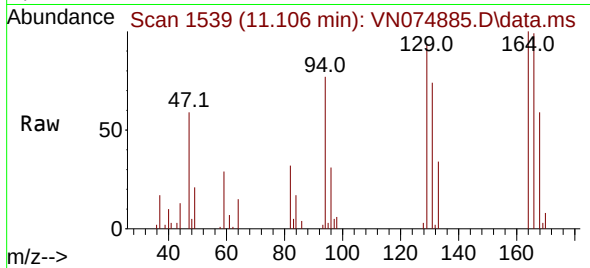
Tgt Ion: 95 Resp: 170596
Ion Ratio Lower Upper
95 100
174 80.3 57.8 86.8
176 76.2 57.0 85.4





#61
Tetrachloroethene
Concen: 5.432 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

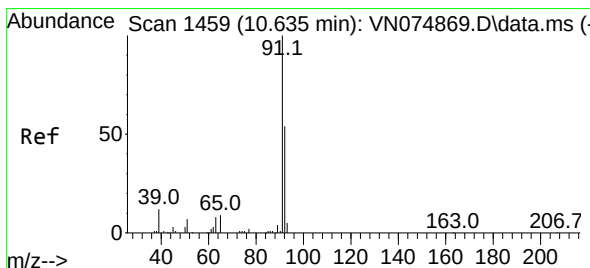
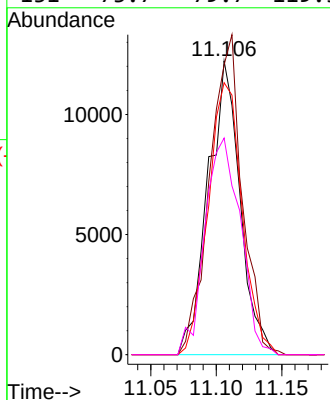
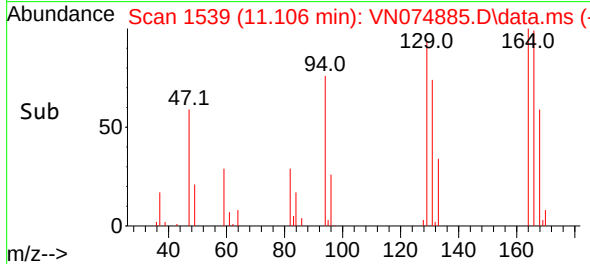
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion:164 Resp: 20689
Ion Ratio Lower Upper
164 100
166 98.6 99.6 149.4
129 92.6 84.0 126.0
131 73.7 79.7 119.5#

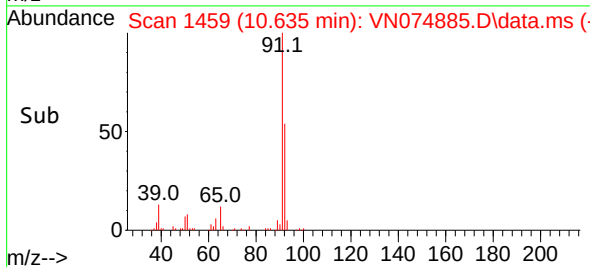
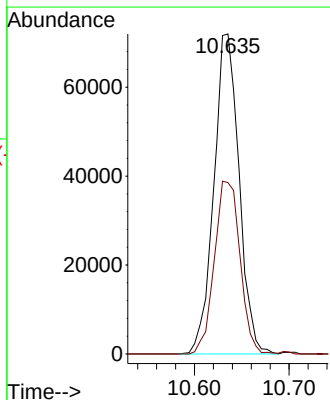
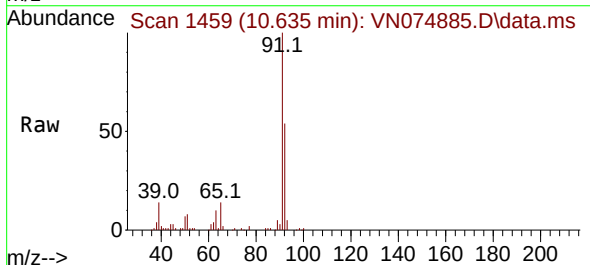
Manual Integrations
APPROVED

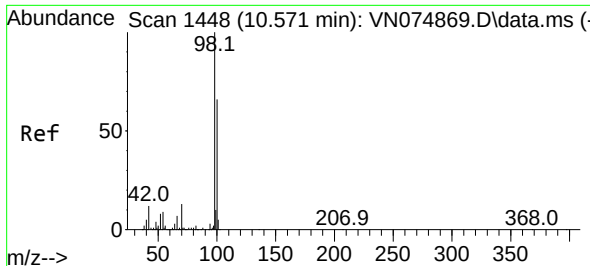
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#62
Toluene
Concen: 5.399 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

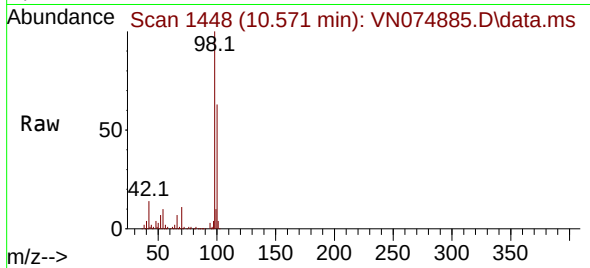
Tgt Ion: 91 Resp: 133244
Ion Ratio Lower Upper
91 100
92 54.8 46.0 69.0





#63
Toluene-d8
Concen: 30.796 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

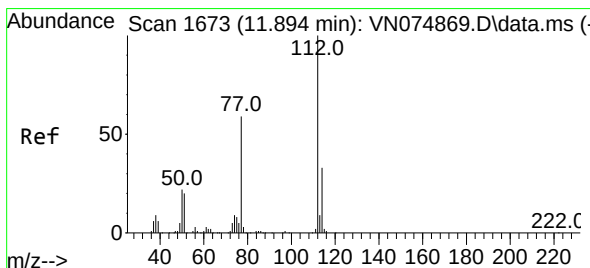
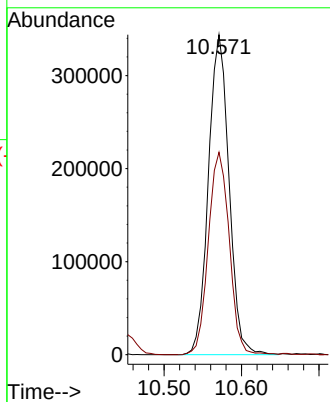
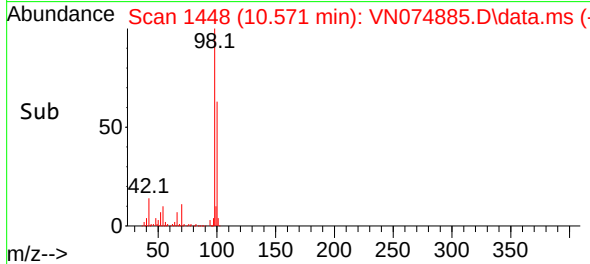
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion: 98 Resp: 634952
Ion Ratio Lower Upper
98 100
100 64.2 52.7 79.1

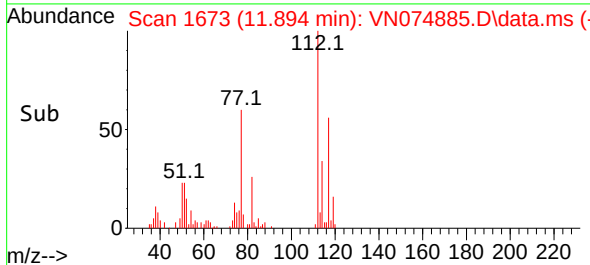
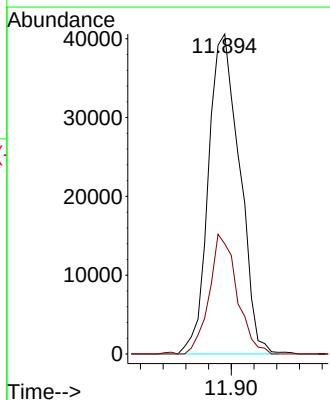
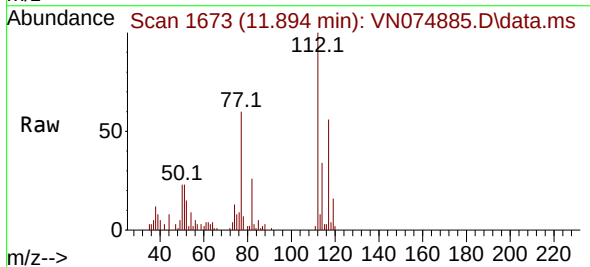
Manual Integrations
APPROVED

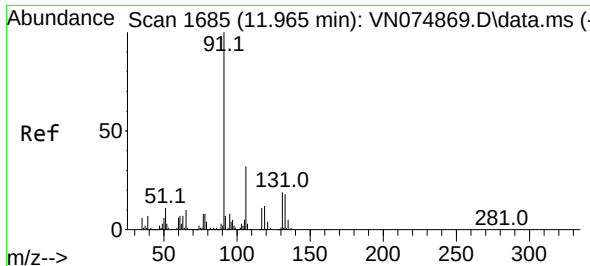
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#64
Chlorobenzene
Concen: 5.515 ug/l
RT: 11.894 min Scan# 1673
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion:112 Resp: 77374
Ion Ratio Lower Upper
112 100
114 34.4 24.7 37.1





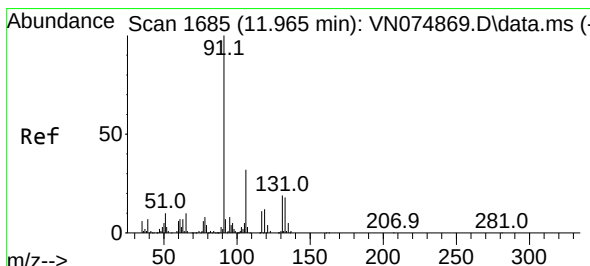
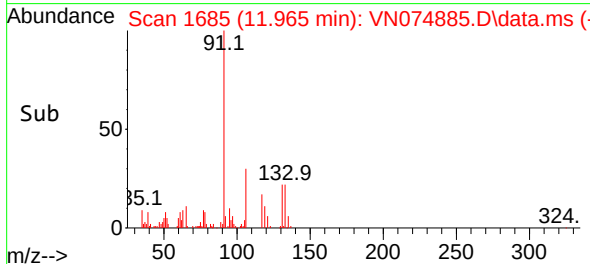
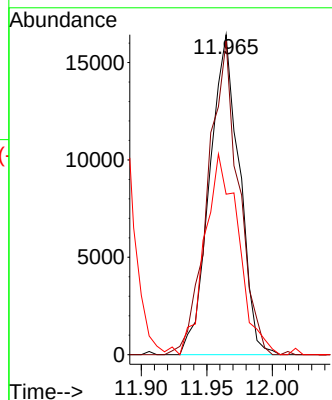
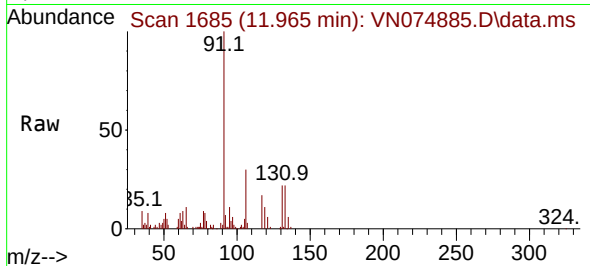
#65
1,1,1,2-Tetrachloroethane
Concen: 4.909 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2022

Tgt Ion:131 Resp: 25939
Ion Ratio Lower Upper
131 100
133 101.0 0.0 191.8
119 70.9 0.0 135.8

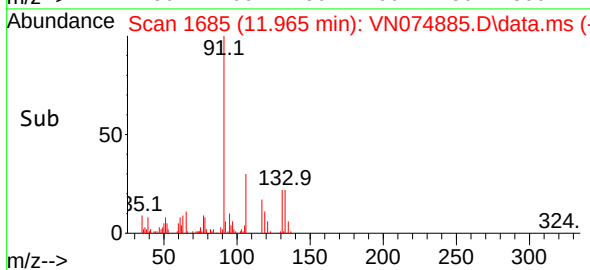
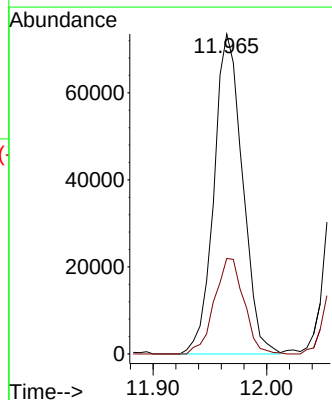
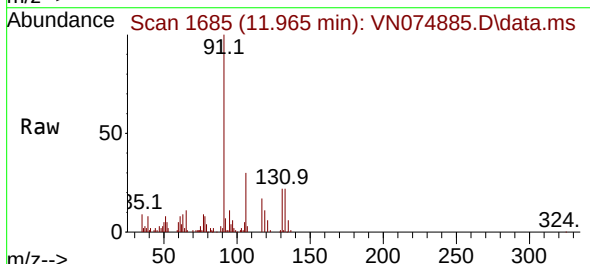
Manual Integrations
APPROVED

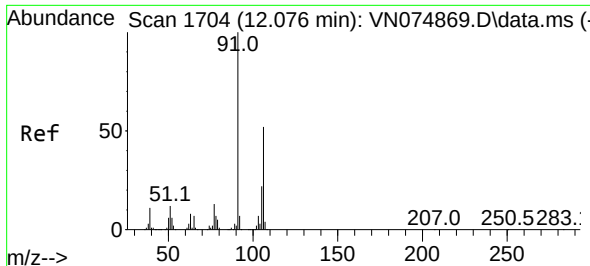
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#66
Ethyl Benzene
Concen: 4.793 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion: 91 Resp: 128634
Ion Ratio Lower Upper
91 100
106 29.9 24.1 36.1





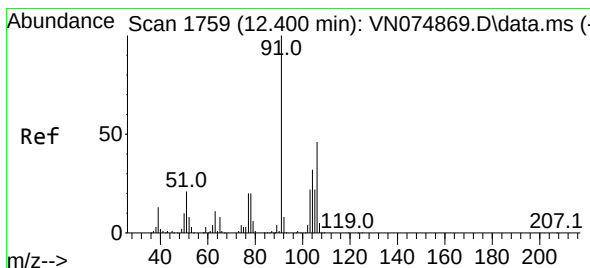
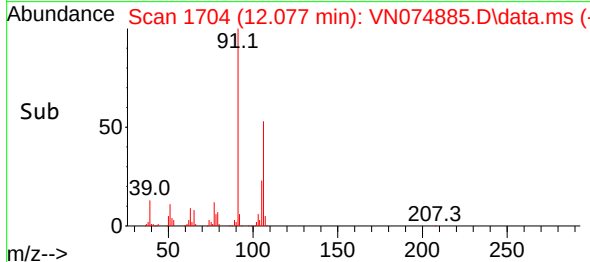
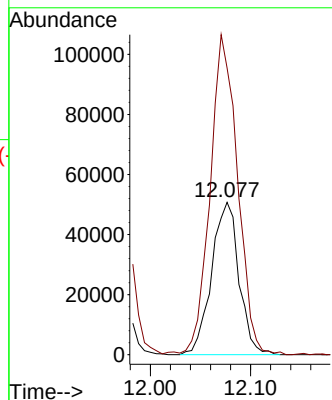
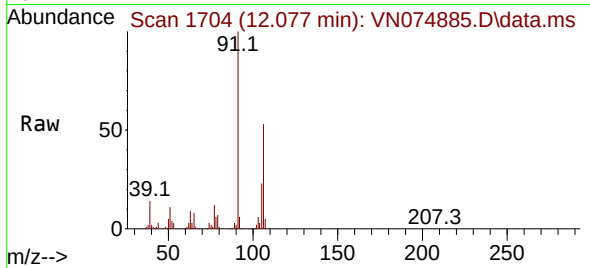
#67
m/p-Xylenes
Concen: 9.552 ug/l
RT: 12.077 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022

Tgt Ion:106 Resp: 9630
Ion Ratio Lower Upper
106 100
91 210.1 164.2 246.4

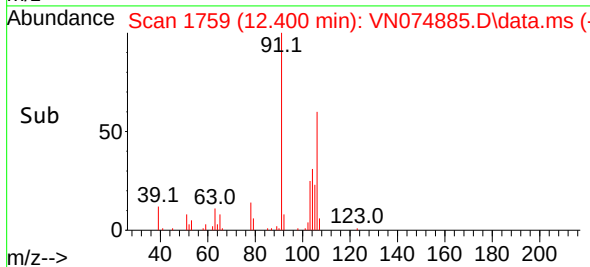
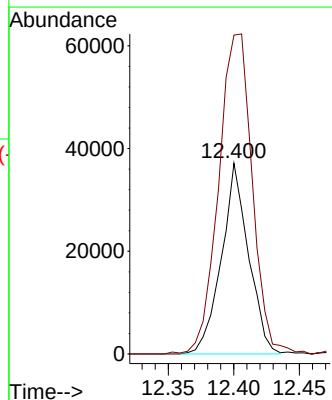
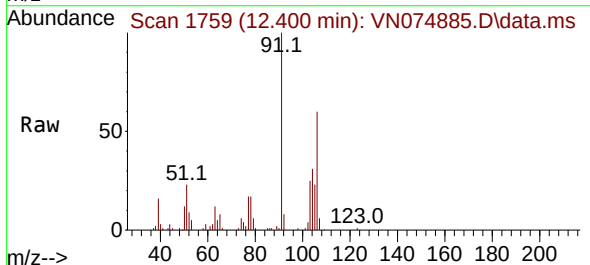
Manual Integrations
APPROVED

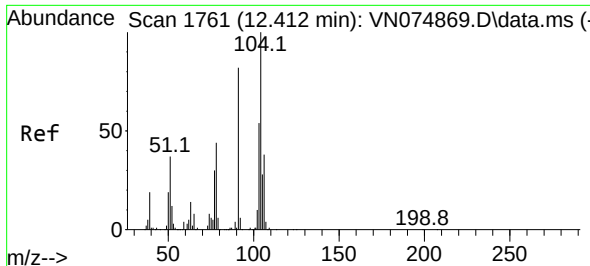
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#68
o-Xylene
Concen: 5.209 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

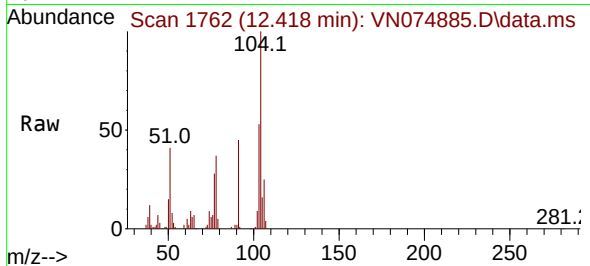
Tgt Ion:106 Resp: 53381
Ion Ratio Lower Upper
106 100
91 206.2 108.5 325.5





#69
Styrene
Concen: 4.390 ug/l
RT: 12.418 min Scan# 1761
Delta R.T. 0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

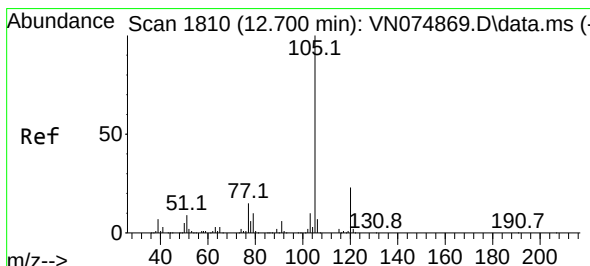
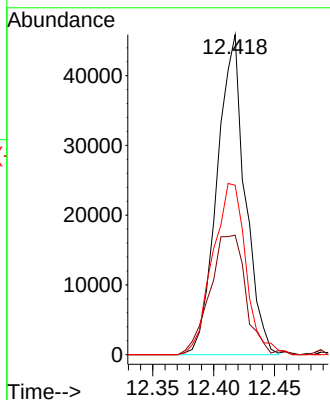
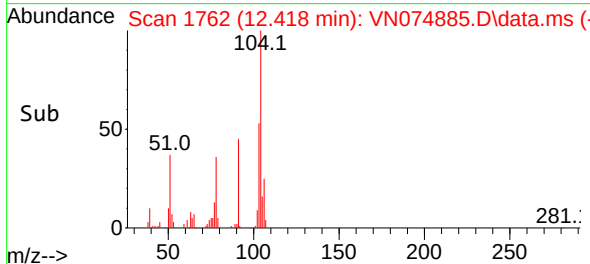
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



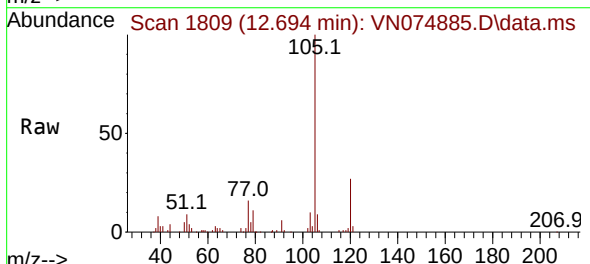
Tgt Ion:104 Resp: 7364
Ion Ratio Lower Upper
104 100
78 47.2 39.9 59.9
103 63.3 43.8 65.8

Manual Integrations
APPROVED

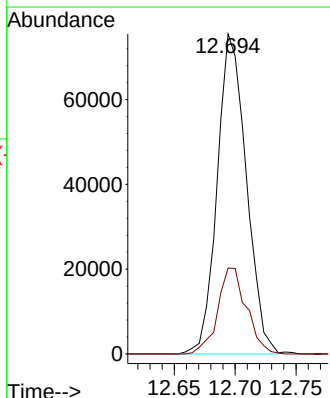
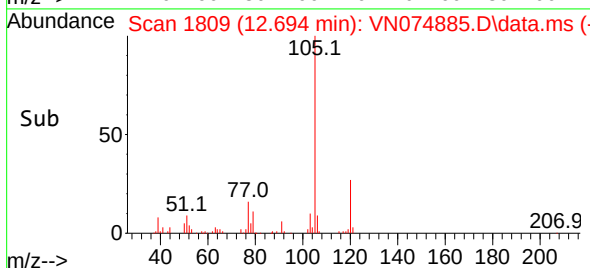
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022

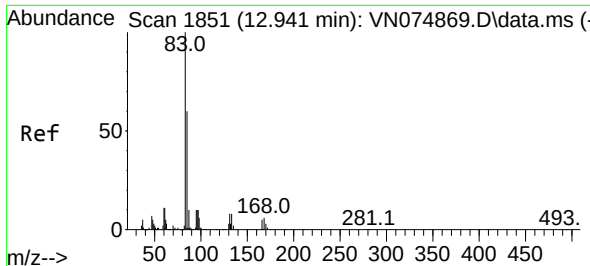


#70
Isopropylbenzene
Concen: 4.754 ug/l
RT: 12.694 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09



Tgt Ion:105 Resp: 125649
Ion Ratio Lower Upper
105 100
120 26.5 18.5 34.3





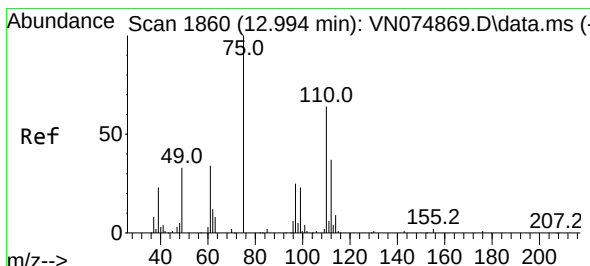
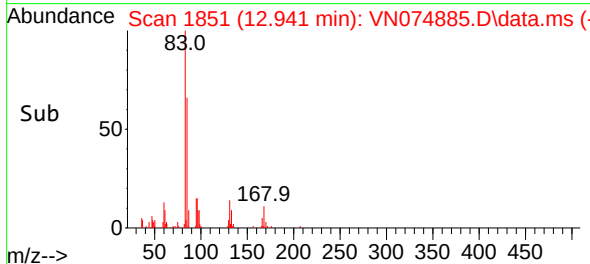
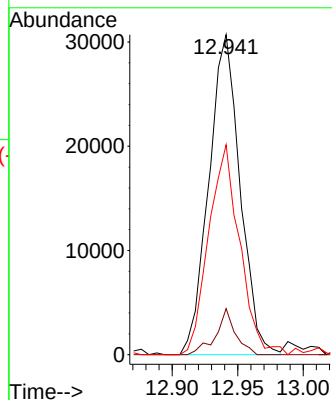
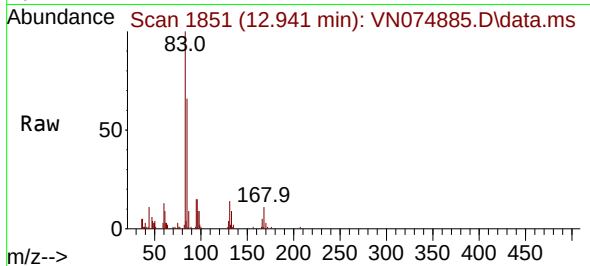
#71
1,1,2,2-Tetrachloroethane
Concen: 5.160 ug/l
RT: 12.941 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022

Tgt Ion: 83 Resp: 51010
Ion Ratio Lower Upper
83 100
131 9.0 4.5 13.5
85 63.9 30.9 92.7

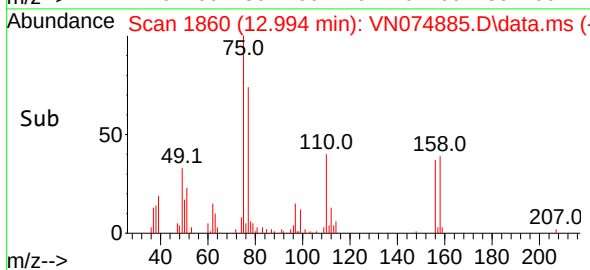
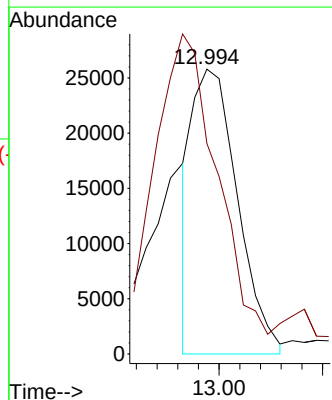
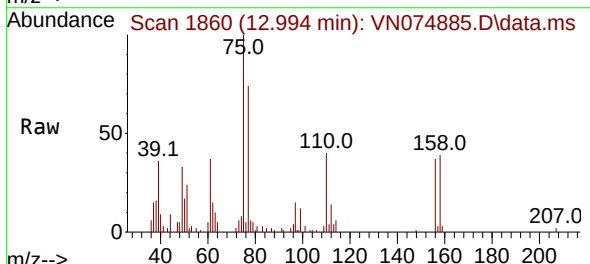
Manual Integrations
APPROVED

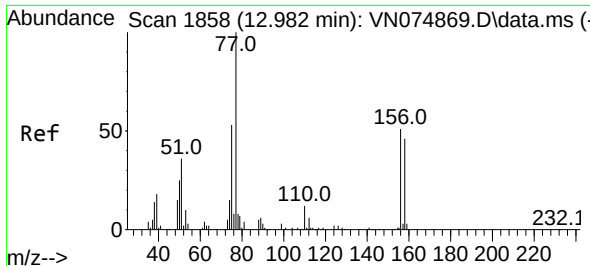
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#72
1,2,3-Trichloropropane
Concen: 4.731 ug/l m
RT: 12.994 min Scan# 1860
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

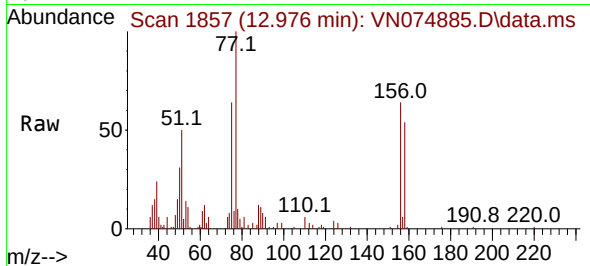
Tgt Ion: 75 Resp: 39295
Ion Ratio Lower Upper
75 100
77 161.4 0.0 372.4





#73
Bromobenzene
Concen: 5.422 ug/l
RT: 12.976 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

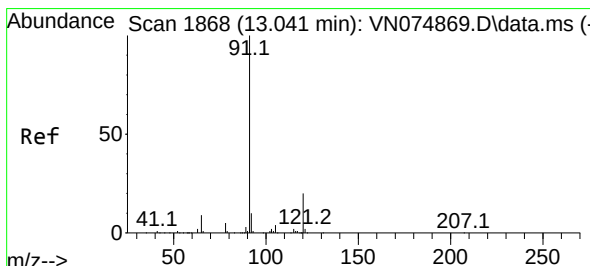
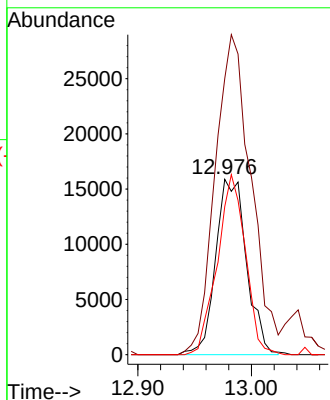
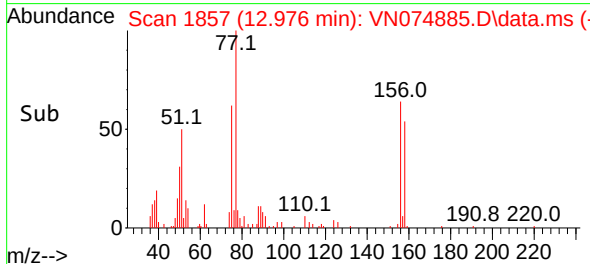
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2022



Tgt Ion: 156 Resp: 3003
Ion Ratio Lower Upper
156 100
77 211.2 0.0 491.8
158 93.4 0.0 185.0

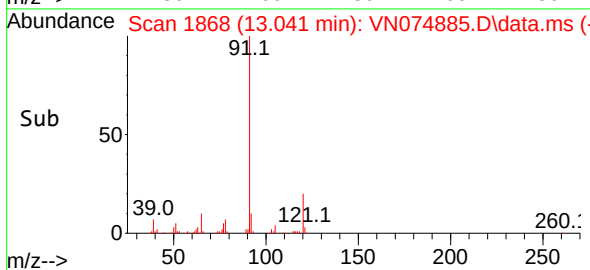
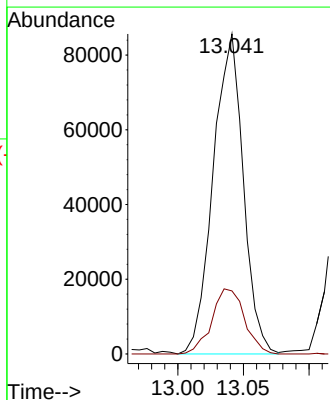
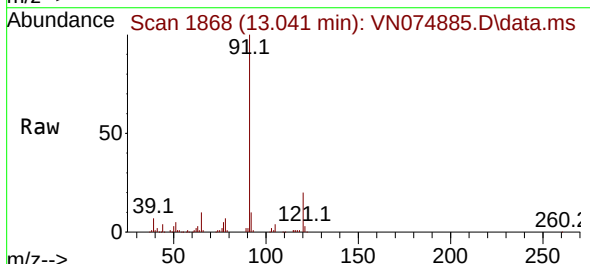
Manual Integrations
APPROVED

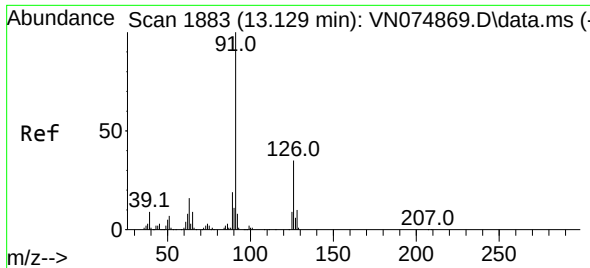
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#74
n-propylbenzene
Concen: 4.436 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion: 91 Resp: 136696
Ion Ratio Lower Upper
91 100
120 22.1 0.0 44.6





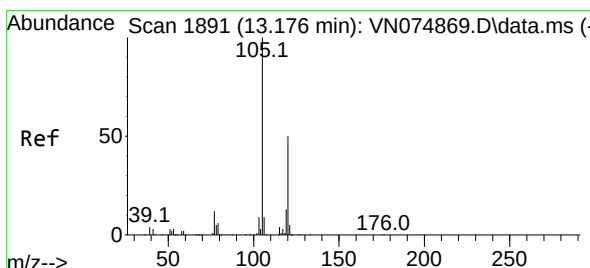
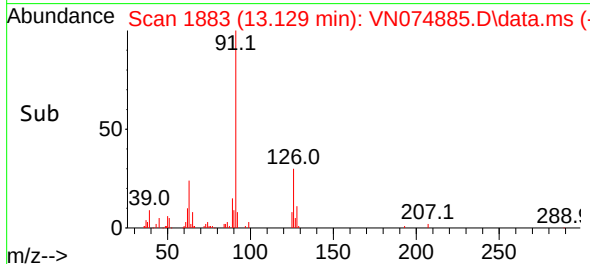
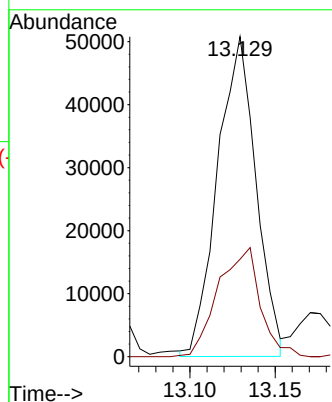
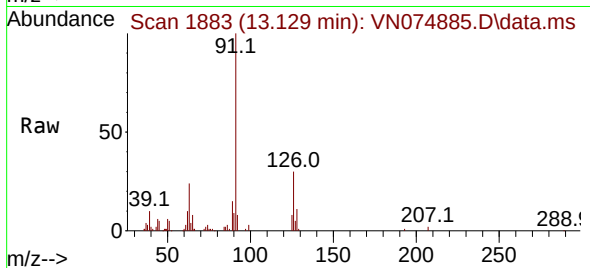
#75
2-Chlorotoluene
Concen: 4.415 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022

Tgt Ion: 91 Resp: 7959
Ion Ratio Lower Upper
91 100
126 37.2 0.0 66.2

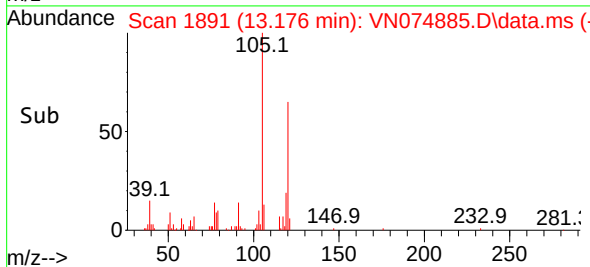
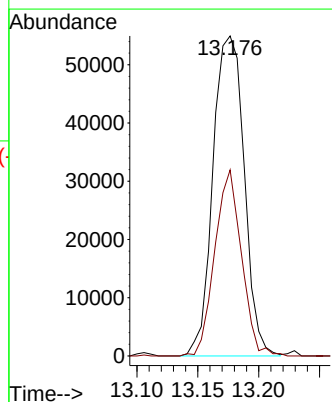
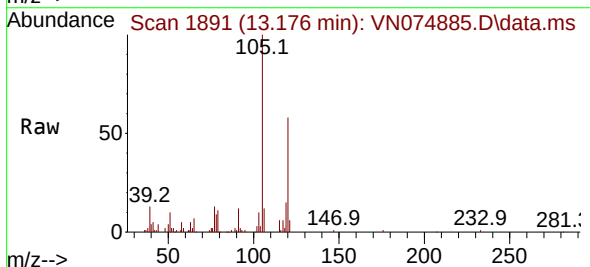
Manual Integrations
APPROVED

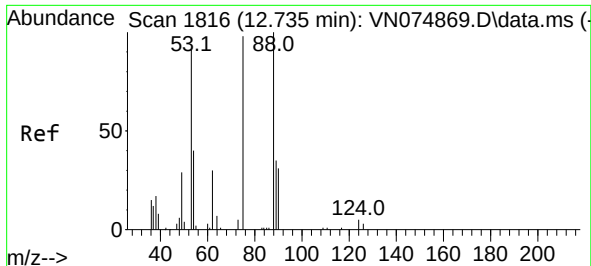
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#76
1,3,5-Trimethylbenzene
Concen: 4.559 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion:105 Resp: 97924
Ion Ratio Lower Upper
105 100
120 48.0 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 3.784 ug/l

RT: 12.735 min Scan# 1816

Delta R.T. 0.000 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2022

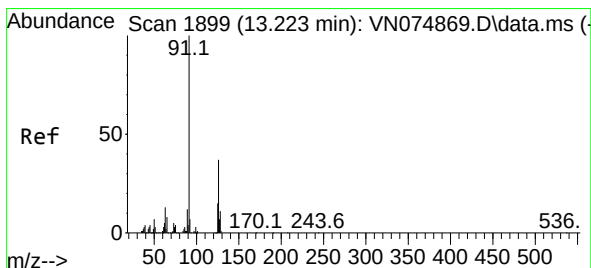
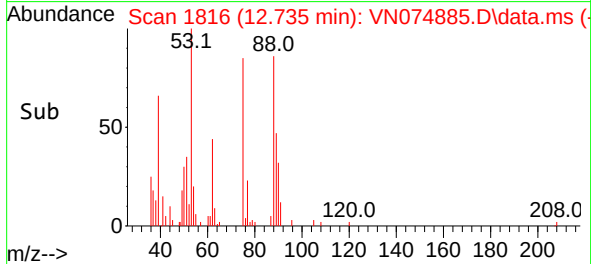
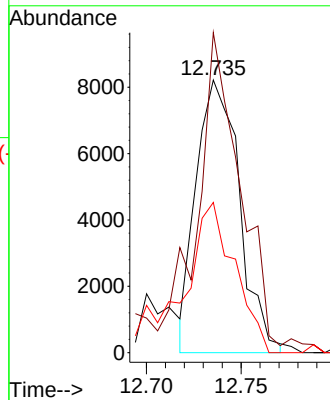
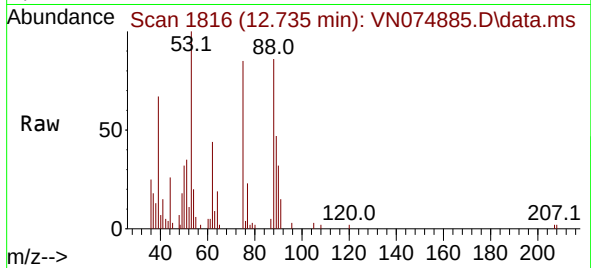
Tgt Ion: 75	Resp: 13060
Ion Ratio	Lower Upper
75	100
53	118.7 43.3 129.9
89	57.0 21.1 63.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/13/2022

Supervised By :Mahesh Dadoda 10/14/2022



#78

4-Chlorotoluene

Concen: 4.374 ug/l

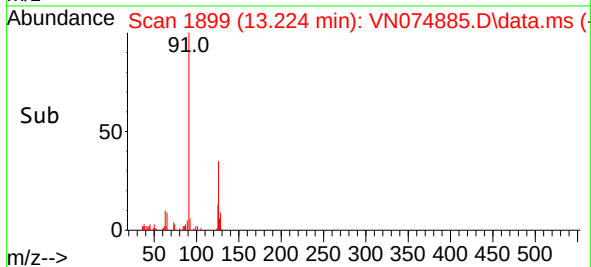
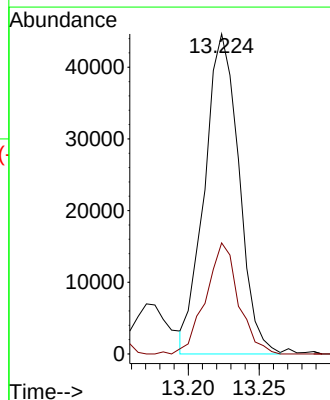
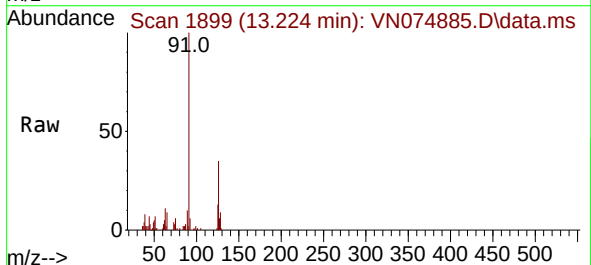
RT: 13.224 min Scan# 1899

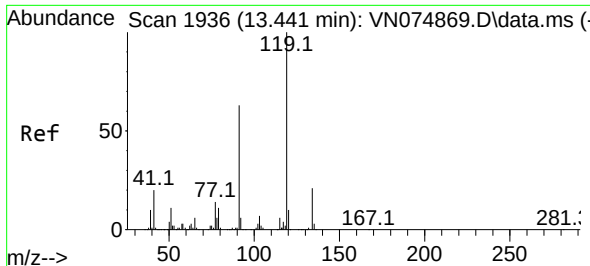
Delta R.T. 0.000 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

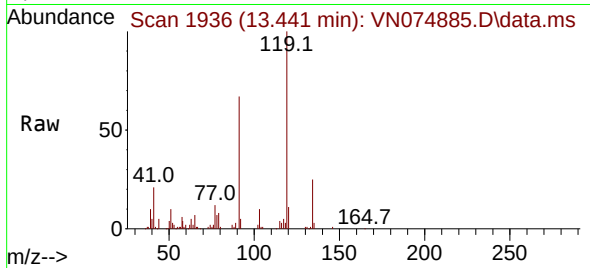
Tgt Ion: 91	Resp: 75257
Ion Ratio	Lower Upper
91	100
126	32.9 0.0 67.8





#79
tert-butylbenzene
Concen: 4.613 ug/l
RT: 13.441 min Scan# 1936
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

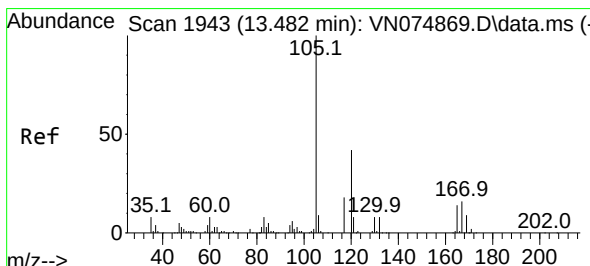
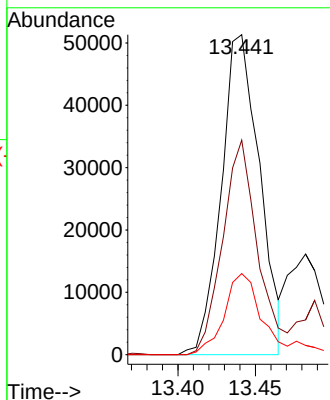
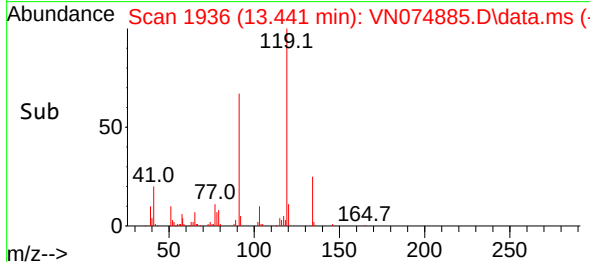
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



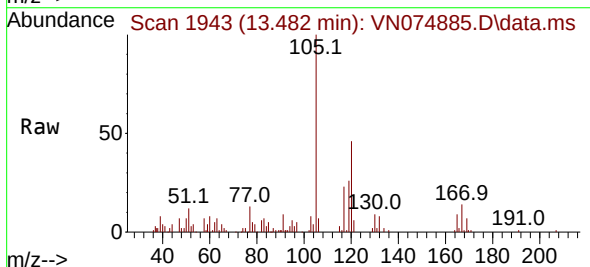
Tgt Ion:119 Resp: 88132
Ion Ratio Lower Upper
119 100
91 61.5 0.0 129.0
134 24.1 0.0 52.2

Manual Integrations
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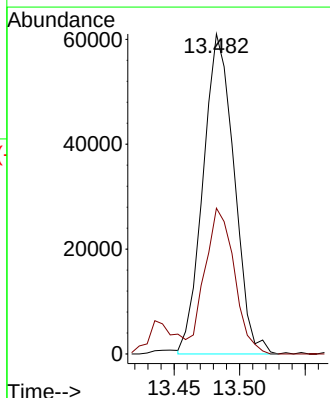
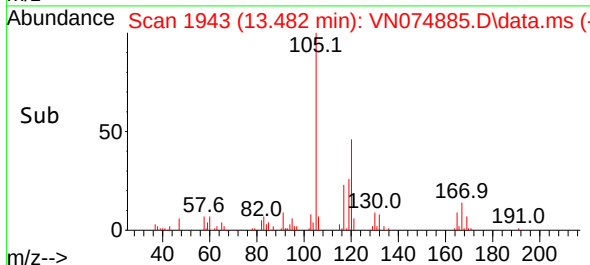
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022

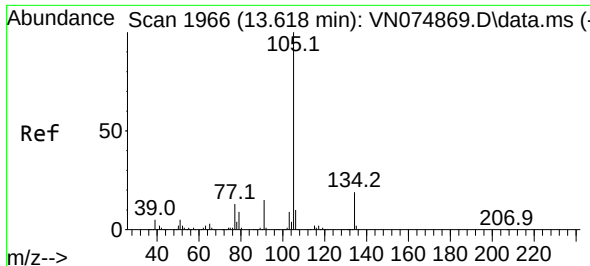


#80
1,2,4-Trimethylbenzene
Concen: 4.650 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09



Tgt Ion:105 Resp: 100506
Ion Ratio Lower Upper
105 100
120 43.3 0.0 93.2





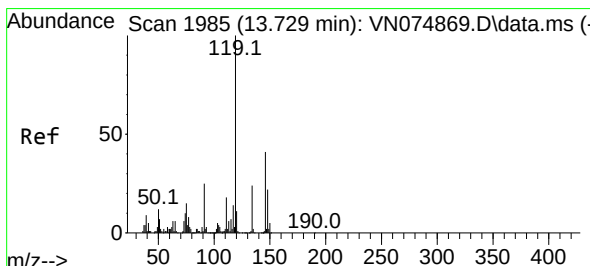
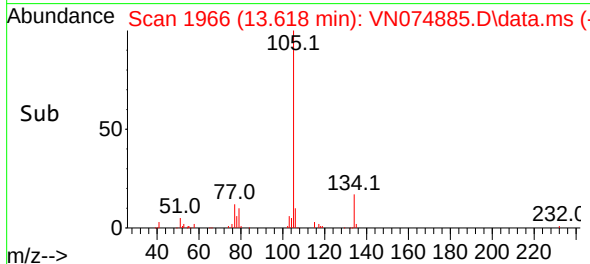
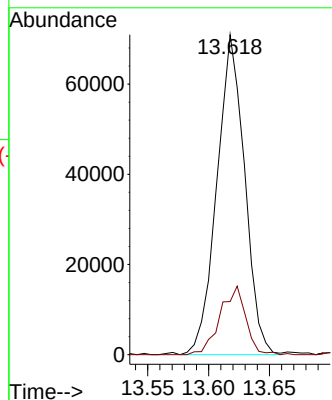
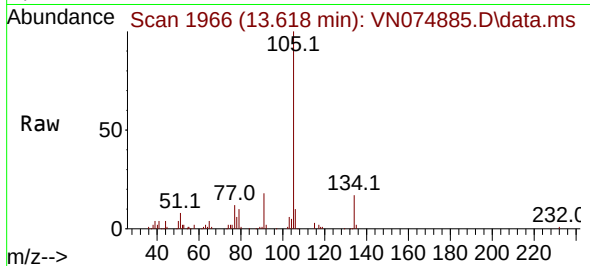
#81
 sec-Butylbenzene
 Concen: 4.098 ug/l
 RT: 13.618 min Scan# 1966
 Delta R.T. 0.000 min
 Lab File: VN074885.D
 Acq: 12 Oct 2022 19:09

Instrument : MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2022

Tgt Ion:105 Resp: 11254
 Ion Ratio Lower Upper
 105 100
 134 19.6 0.0 38.8

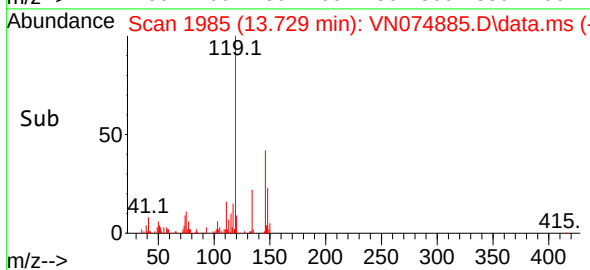
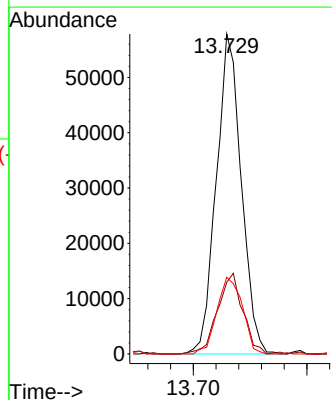
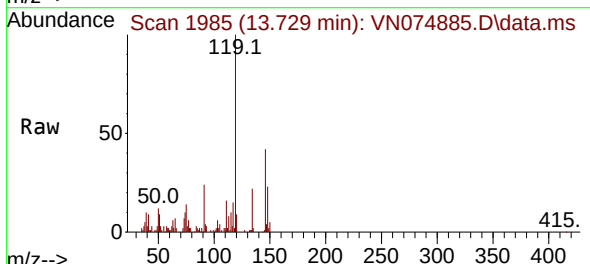
Manual Integrations
 APPROVED

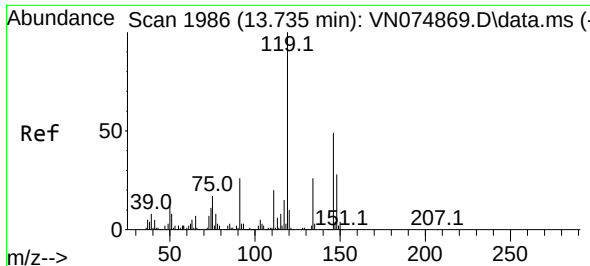
Reviewed By :John Carlone 10/13/2022
 Supervised By :Mahesh Dadoda 10/14/2022



#82
 p-Isopropyltoluene
 Concen: 4.056 ug/l
 RT: 13.729 min Scan# 1985
 Delta R.T. 0.000 min
 Lab File: VN074885.D
 Acq: 12 Oct 2022 19:09

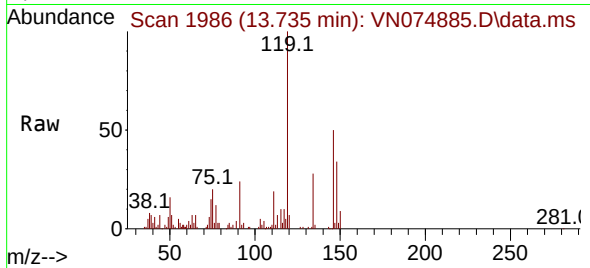
Tgt Ion:119 Resp: 88491
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 51.4
 91 24.5 0.0 46.8





#83
1,3-Dichlorobenzene
Concen: 4.337 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

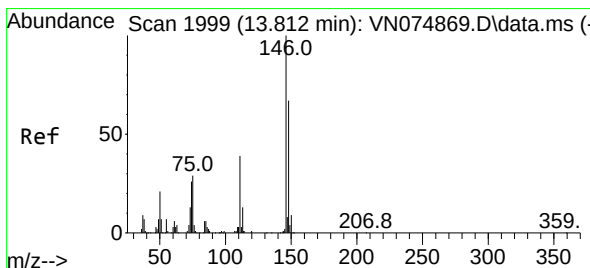
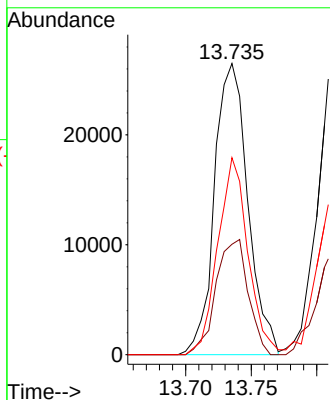
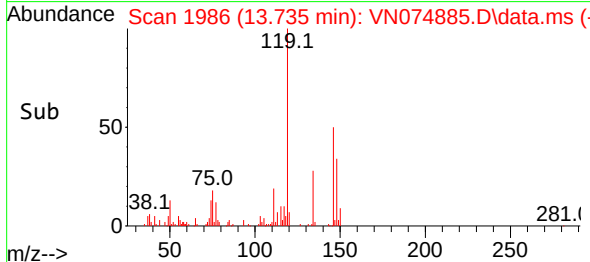
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion:146 Resp: 46878
Ion Ratio Lower Upper
146 100
111 38.2 20.5 61.5
148 61.6 31.0 93.0

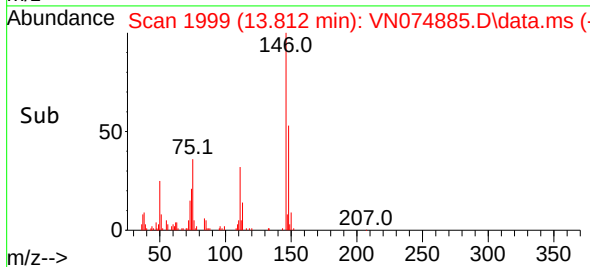
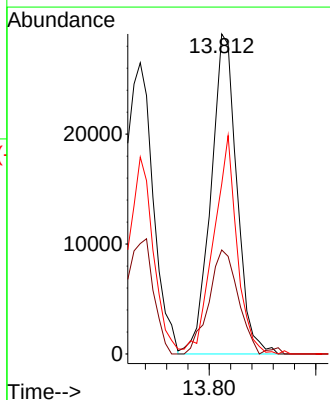
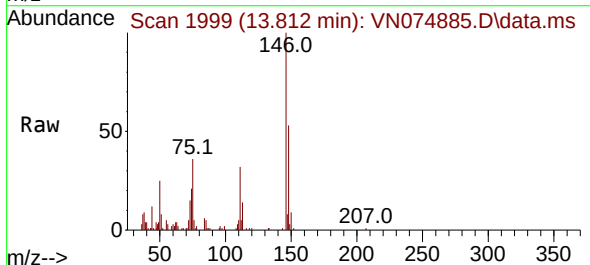
Manual Integrations
APPROVED

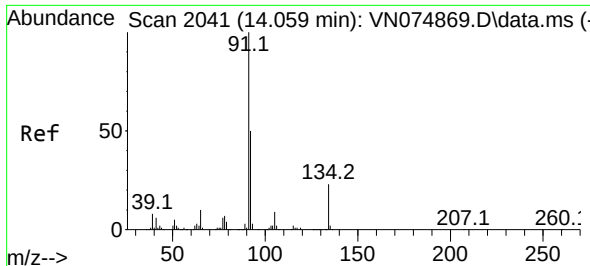
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#84
1,4-Dichlorobenzene
Concen: 4.733 ug/l
RT: 13.812 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion:146 Resp: 49139
Ion Ratio Lower Upper
146 100
111 36.5 19.1 57.5
148 61.7 31.7 95.1





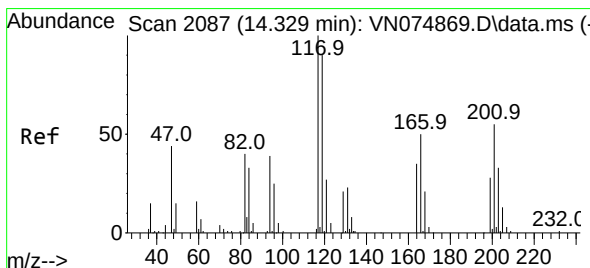
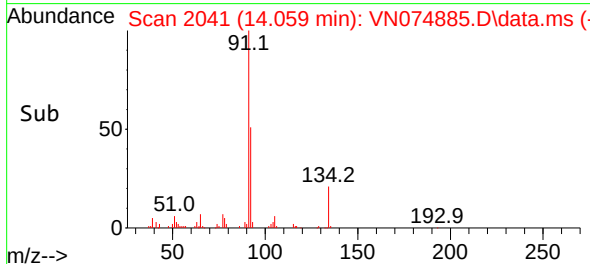
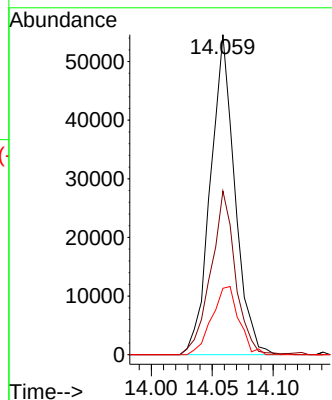
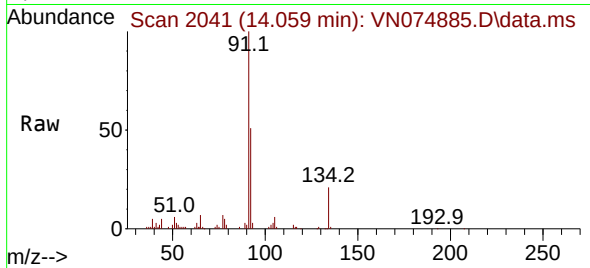
#85
n-Butylbenzene
Concen: 3.953 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022

Tgt Ion: 91 Resp: 76130
Ion Ratio Lower Upper
91 100
92 51.4 0.0 105.4
134 23.0 0.0 46.4

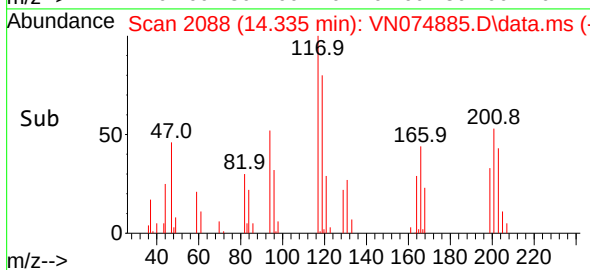
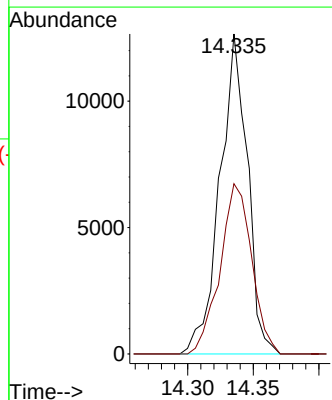
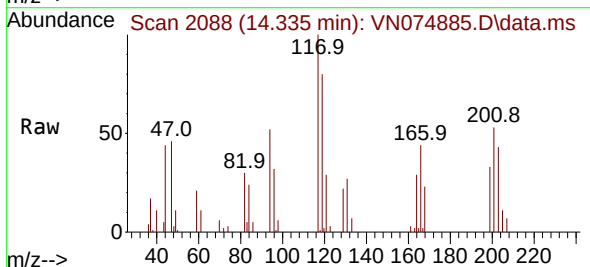
Manual Integrations
APPROVED

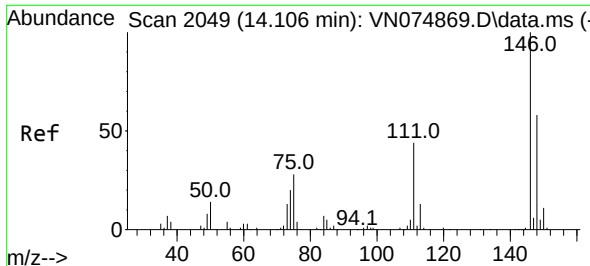
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#86
Hexachloroethane
Concen: 4.320 ug/l
RT: 14.335 min Scan# 2088
Delta R.T. 0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion:117 Resp: 18461
Ion Ratio Lower Upper
117 100
201 61.3 29.4 88.3





#87

1,2-Dichlorobenzene

Concen: 4.547 ug/l

RT: 14.112 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2022

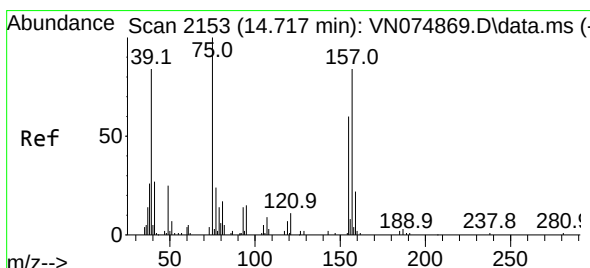
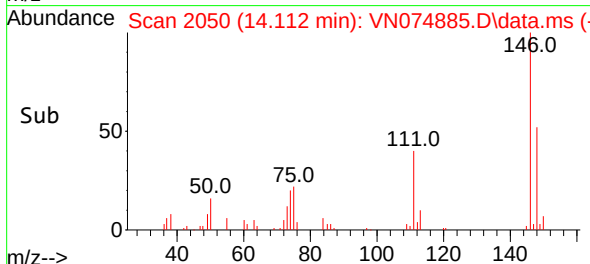
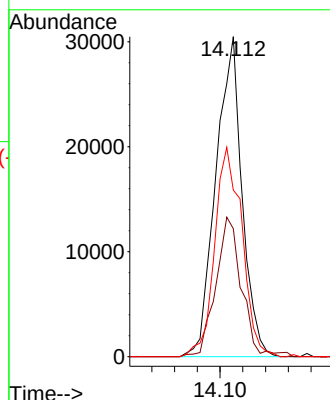
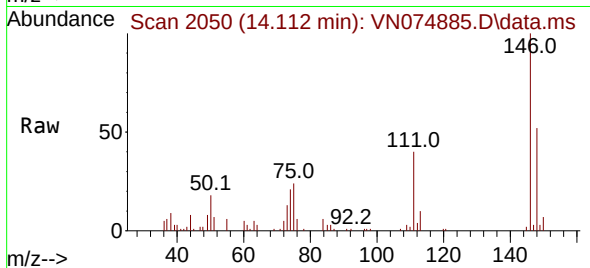
Tgt Ion:146 Resp: 48798
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.4 64.2
 148 68.1 30.6 92.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/13/2022

Supervised By :Mahesh Dadoda 10/14/2022



#88

1,2-Dibromo-3-Chloropropane

Concen: 4.404 ug/l

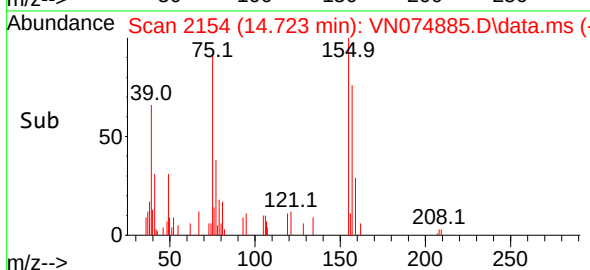
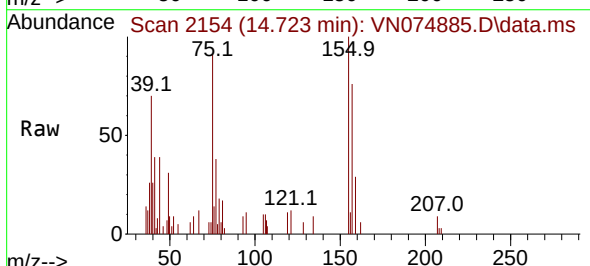
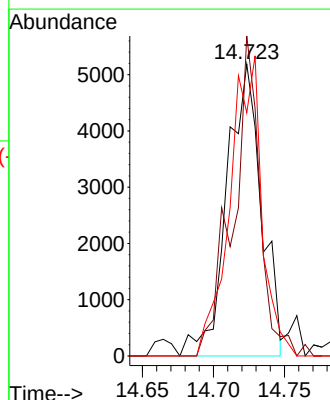
RT: 14.723 min Scan# 2154

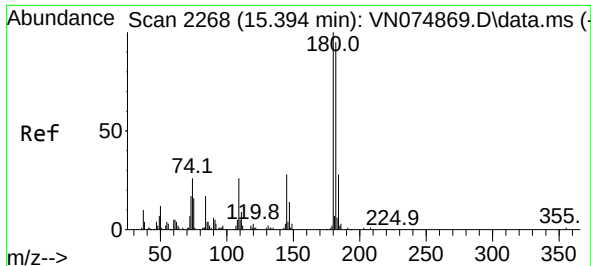
Delta R.T. 0.006 min

Lab File: VN074885.D

Acq: 12 Oct 2022 19:09

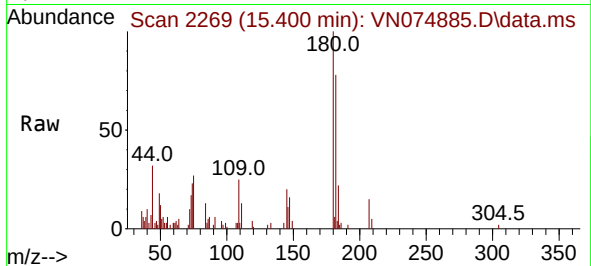
Tgt Ion: 75 Resp: 8789
 Ion Ratio Lower Upper
 75 100
 155 61.6 66.3 99.5#
 157 94.8 84.3 126.5





#89
1,2,4-Trichlorobenzene
Concen: 4.630 ug/l m
RT: 15.400 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

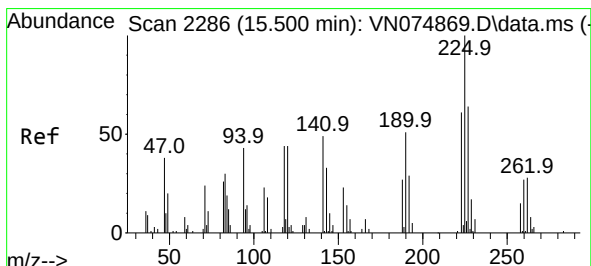
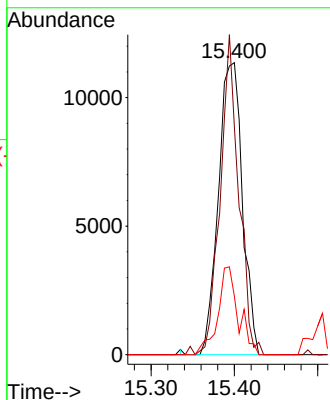
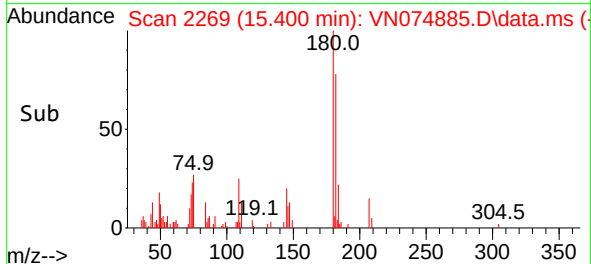
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



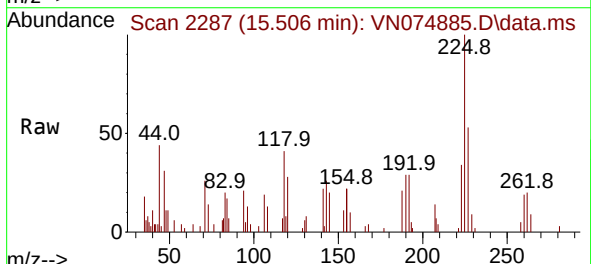
Tgt Ion:180 Resp: 22694
Ion Ratio Lower Upper
180 100
182 92.1 74.9 112.3
145 27.8 26.3 39.5

Manual Integrations
APPROVED

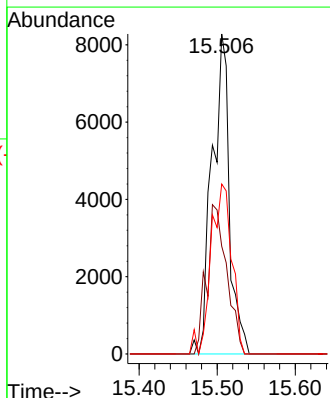
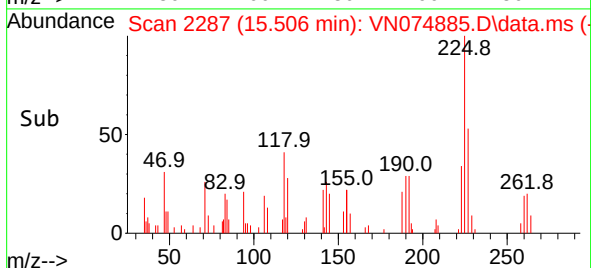
Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022

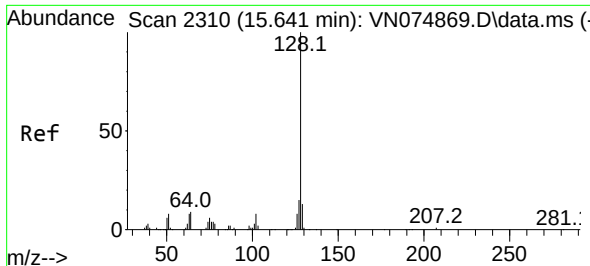


#90
Hexachlorobutadiene
Concen: 5.328 ug/l m
RT: 15.506 min Scan# 2287
Delta R.T. 0.006 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09



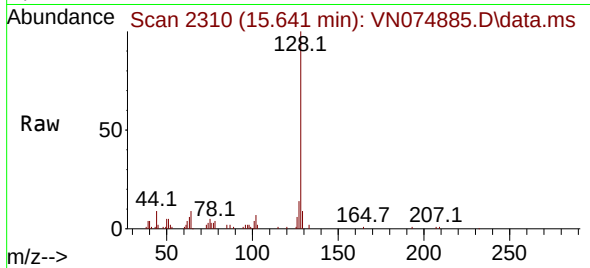
Tgt Ion:225 Resp: 12731
Ion Ratio Lower Upper
225 100
223 53.8 0.0 125.0
227 0.0 0.0 123.0





#91
Naphthalene
Concen: 4.307 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

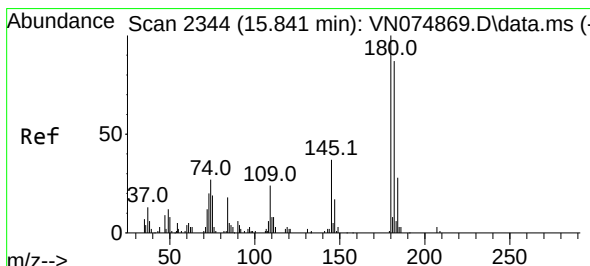
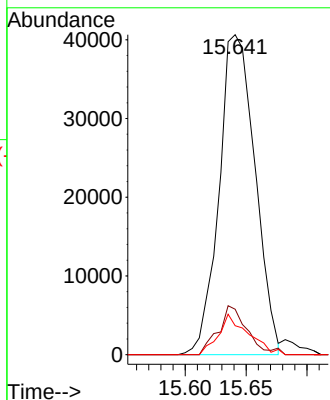
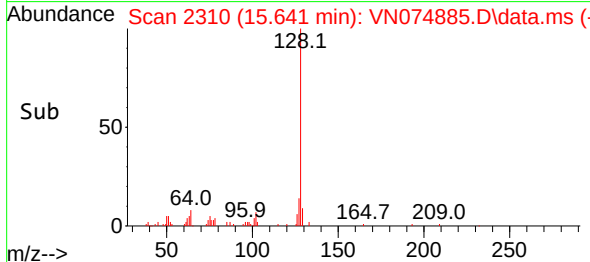
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2022



Tgt Ion:128 Resp: 83760
Ion Ratio Lower Upper
128 100
127 11.9 10.7 16.1
129 10.4 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/13/2022
Supervised By :Mahesh Dadoda 10/14/2022



#92
1,2,3-Trichlorobenzene
Concen: 4.463 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. 0.000 min
Lab File: VN074885.D
Acq: 12 Oct 2022 19:09

Tgt Ion:180 Resp: 22879
Ion Ratio Lower Upper
180 100
182 92.3 0.0 185.4
145 27.5 0.0 68.6

