

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080123\
 Data File : VN078726.D
 Acq On : 01 Aug 2023 19:49
 Operator : JC\MD
 Sample : 03572-08 5.0PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2023

Quant Time: Aug 02 04:28:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080123W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 02 04:20:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 08/02/2023
 Supervised By : Mahesh Dadoda 08/02/2023

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

Internal Standards						
1) Bromochloromethane	7.824	128	96351	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	523702	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	450772	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	214789	29.739	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	99.133%		
60) 4-Bromofluorobenzene	12.853	95	166337	24.623	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	82.067%		
63) Toluene-d8	10.571	98	662199	29.738	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.133%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	34986	5.757	ug/l	98
3) Chloromethane	2.371	50	49195	6.576	ug/l	99
4) Vinyl Chloride	2.518	62	60646	5.965	ug/l	90
5) Bromomethane	2.959	94	43546	5.730	ug/l	96
6) Chloroethane	3.118	64	43636	6.590	ug/l	93
7) Trichlorofluoromethane	3.501	101	87153	8.357	ug/l	97
8) Diethyl Ether	3.977	74	17776	5.221	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.383	101	28320	5.059	ug/l #	31
10) 1,1-Dichloroethene	4.359	96	27979	5.212	ug/l	93
11) Methyl Iodide	4.606	142	38297	5.076	ug/l	91
12) Methyl Acetate	5.036	43	46111	5.296	ug/l	90
13) Acrolein	4.189	56	23834	25.706	ug/l	97
14) Acrylonitrile	5.736	53	62846	24.650	ug/l	98
15) Acetone	4.442	58	17811m	24.111	ug/l	
16) Carbon Disulfide	4.724	76	73597	4.854	ug/l	99
17) Allyl chloride	5.036	41	33476	4.567	ug/l	89
18) Methylene Chloride	5.283	84	37267	5.787	ug/l	88
19) trans-1,2-Dichloroethene	5.795	96	32832	5.290	ug/l	84
20) Diisopropyl ether	6.683	45	79701	4.830	ug/l #	88
21) 1,1-Dichloroethane	6.583	63	56131	5.137	ug/l	97
22) cis-1,2-Dichloroethene	7.494	96	35182	5.048	ug/l	95
23) tert-Butyl Alcohol	5.542	59	31528m	30.262	ug/l	
24) Methyl tert-Butyl Ether	5.806	73	85488m	4.736	ug/l	
25) Chloroform	7.977	83	57822	4.998	ug/l	96
26) Cyclohexane	8.265	56	38487	4.781	ug/l #	100
29) 1,1-Dichloropropene	8.383	75	39260	5.095	ug/l	99
30) 2-Butanone	7.500	43	78080	25.632	ug/l	96
31) 2,2-Dichloropropane	7.500	77	41800	4.727	ug/l #	88
32) 1,1,1-Trichloroethane	8.177	97	52226	5.357	ug/l	94
33) Carbon Tetrachloride	8.371	117	46739	5.398	ug/l	91
34) Benzene	8.612	78	126751	5.476	ug/l #	90
35) Methacrylonitrile	7.789	41	15987	4.779	ug/l	83
36) 1,2-Dichloroethane	8.677	62	43910	5.401	ug/l	99
37) Trichloroethene	9.359	130	32032	4.931	ug/l	97
38) Methylcyclohexane	9.606	83	36764	4.643	ug/l	97
39) 1,2-Dichloropropane	9.630	63	32252	5.197	ug/l	98
40) Dibromomethane	9.712	93	23095	5.377	ug/l	94
41) Bromodichloromethane	9.900	83	45411	5.289	ug/l	97
42) Vinyl Acetate	6.618	43	246825	25.203	ug/l	100

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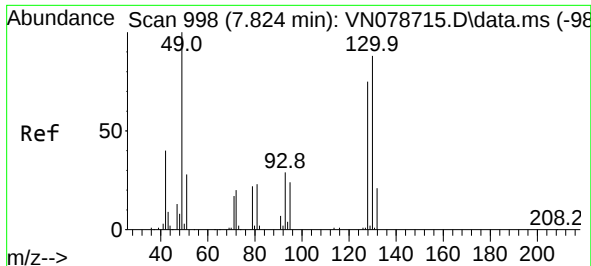
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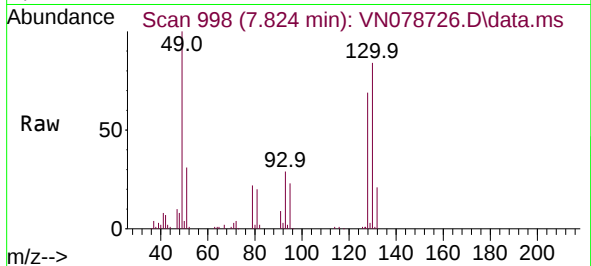
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	27033	4.293	ug/l #	79
44) Isopropyl Acetate	8.700	43	59936	5.425	ug/l #	69
45) 1,4-Dioxane	9.700	88	10192	100.277	ug/l #	88
46) Methyl methacrylate	9.688	41	24179	4.779	ug/l	93
47) n-amyl Acetate	12.500	43	35871	4.215	ug/l	98
48) t-1,3-Dichloropropene	10.841	75	43964	4.797	ug/l	92
49) cis-1,3-Dichloropropene	10.318	75	46326	4.759	ug/l	95
50) 1,1,2-Trichloroethane	11.024	97	32325	5.317	ug/l	91
51) Ethyl methacrylate	10.877	69	40131	4.821	ug/l	95
52) 1,3-Dichloropropane	11.165	76	50440	4.616	ug/l	99
53) Dibromochloromethane	11.365	129	39255	5.716	ug/l	100
54) 1,2-Dibromoethane	11.477	107	30776	5.041	ug/l	91
55) 2-Chloroethyl vinyl ether	10.165	63	65578	24.725	ug/l	98
56) Bromoform	12.582	173	22380	4.980	ug/l	96
58) 4-Methyl-2-Pentanone	10.453	43	161560	23.945	ug/l	99
59) 2-Hexanone	11.200	43	112965	22.112	ug/l	96
61) Tetrachloroethene	11.112	164	27144	4.579	ug/l #	84
62) Toluene	10.635	91	138556	5.110	ug/l	98
64) Chlorobenzene	11.900	112	81041	5.119	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.965	131	31540	5.052	ug/l	98
66) Ethyl Benzene	11.971	91	133764	4.895	ug/l	96
67) m/p-Xylenes	12.071	106	93971	9.002	ug/l	96
68) o-Xylene	12.400	106	46456	4.374	ug/l	94
69) Styrene	12.418	104	66907	3.915	ug/l	99
70) Isopropylbenzene	12.700	105	115771	4.406	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	39382	4.614	ug/l	99
72) 1,2,3-Trichloropropane	12.994	75	32212m	4.499	ug/l	
73) Bromobenzene	12.988	156	29878	4.639	ug/l	89
74) n-propylbenzene	13.041	91	122895	4.220	ug/l	100
75) 2-Chlorotoluene	13.129	91	77574	3.857	ug/l	97
76) 1,3,5-Trimethylbenzene	13.176	105	94180	4.015	ug/l	96
77) t-1,4-Dichloro-2-butene	12.741	75	9888	3.951	ug/l	70
78) 4-Chlorotoluene	13.229	91	67429	3.472	ug/l	99
79) tert-butylbenzene	13.441	119	80796	4.001	ug/l	97
80) 1,2,4-Trimethylbenzene	13.488	105	82341	3.675	ug/l	96
81) sec-Butylbenzene	13.618	105	96419	3.726	ug/l	98
82) p-Isopropyltoluene	13.729	119	74684	3.515	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	37172	3.255	ug/l	94
84) 1,4-Dichlorobenzene	13.818	146	35048	3.278	ug/l	96
85) n-Butylbenzene	14.059	91	47364	3.215	ug/l	95
86) Hexachloroethane	14.335	117	19269	4.977	ug/l	92
87) 1,2-Dichlorobenzene	14.118	146	38570	3.608	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.729	75	5402	3.727	ug/l	94
89) 1,2,4-Trichlorobenzene	15.394	180	7799m	2.557	ug/l	
90) Hexachlorobutadiene	15.500	225	10924	4.702	ug/l	96
91) Naphthalene	15.647	128	24689	2.672	ug/l #	96
92) 1,2,3-Trichlorobenzene	15.847	180	10367	2.987	ug/l	90

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

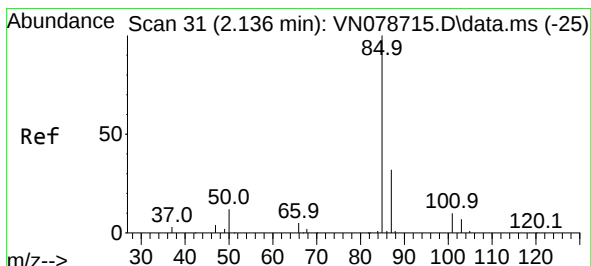
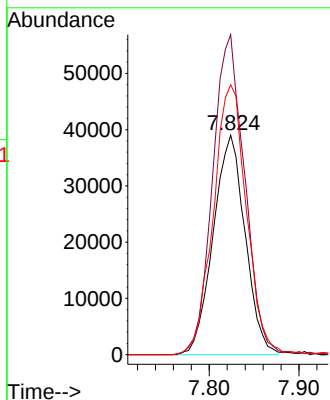
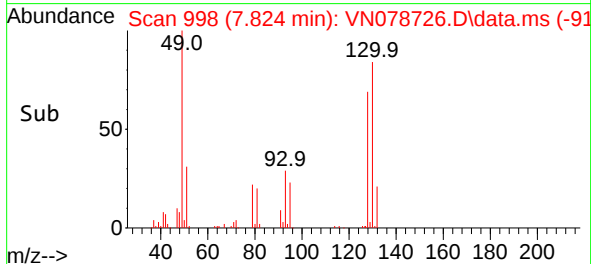
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



Tgt Ion:128 Resp: 9635
Ion Ratio Lower Upper
128 100
49 145.8 0.0 370.8
130 127.2 0.0 307.0

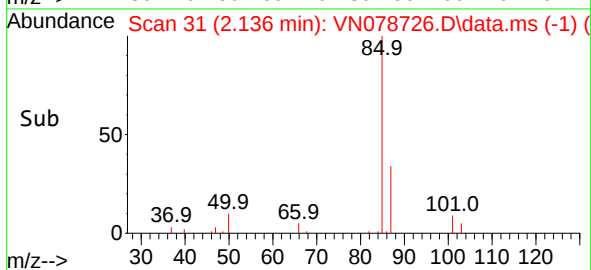
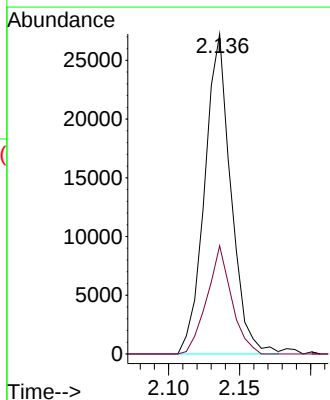
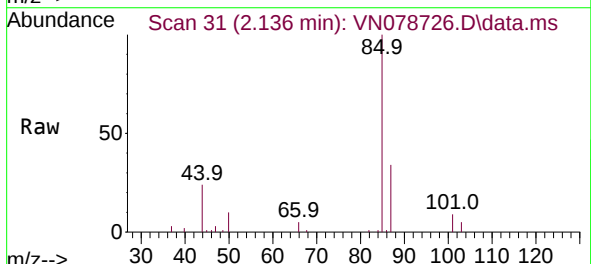
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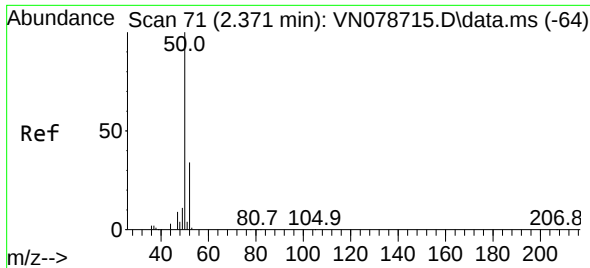
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#2
Dichlorodifluoromethane
Concen: 5.757 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

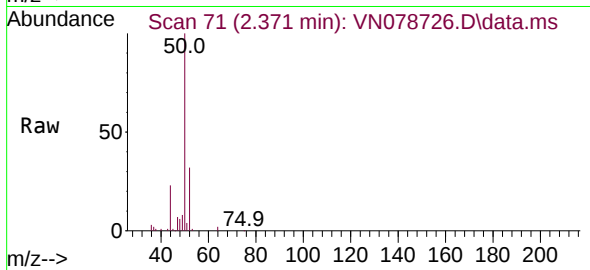
Tgt Ion: 85 Resp: 34986
Ion Ratio Lower Upper
85 100
87 33.8 16.4 49.4





#3
Chloromethane
Concen: 6.576 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

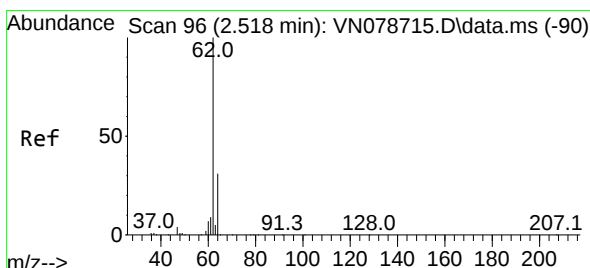
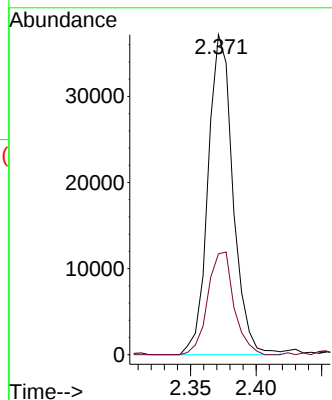
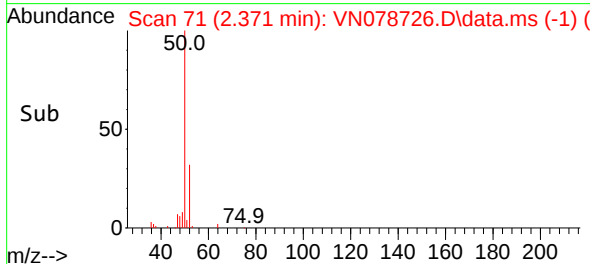
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



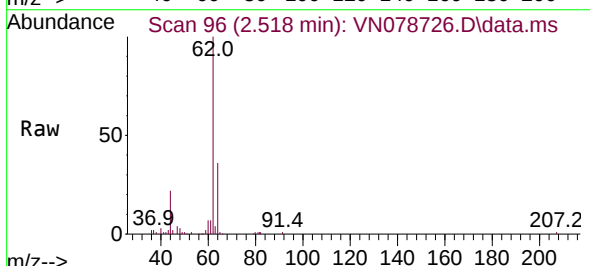
Tgt Ion: 50 Resp: 4919
Ion Ratio Lower Upper
50 100
52 31.5 24.6 36.8

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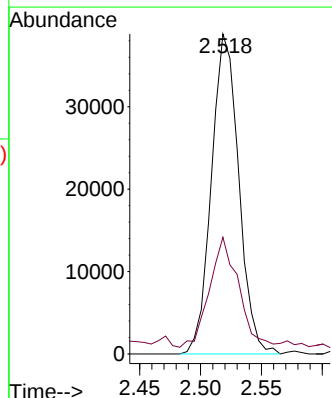
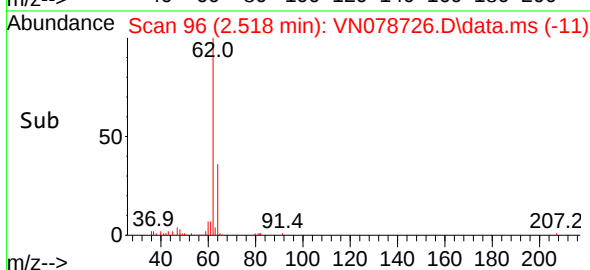
Reviewed By :John Carlone 08/02/2023
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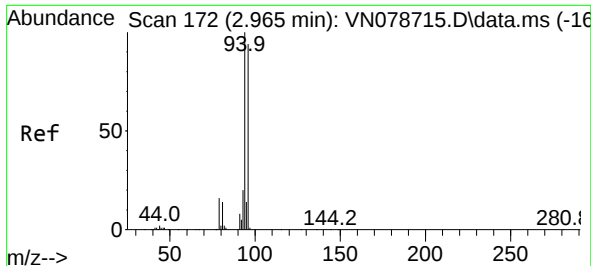


#4
Vinyl Chloride
Concen: 5.965 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49



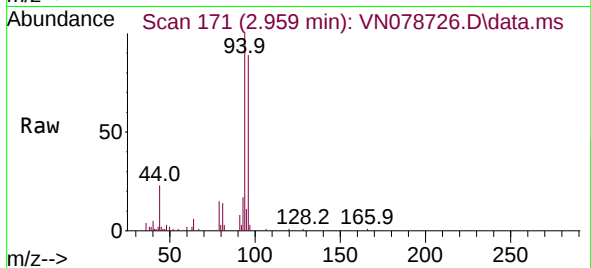
Tgt Ion: 62 Resp: 60646
Ion Ratio Lower Upper
62 100
64 34.4 23.3 34.9





#5
Bromomethane
Concen: 5.730 ug/l
RT: 2.959 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

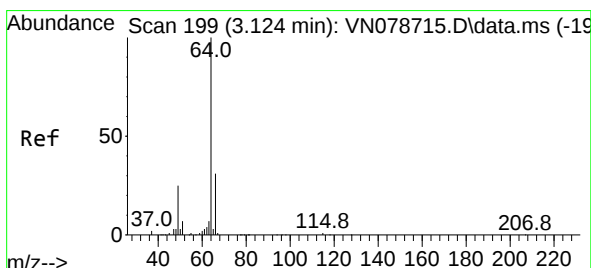
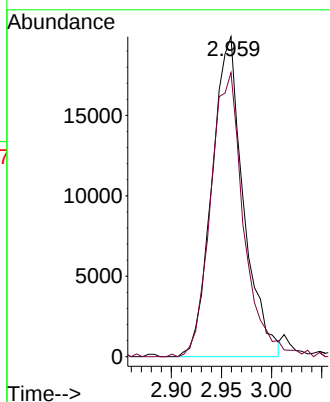
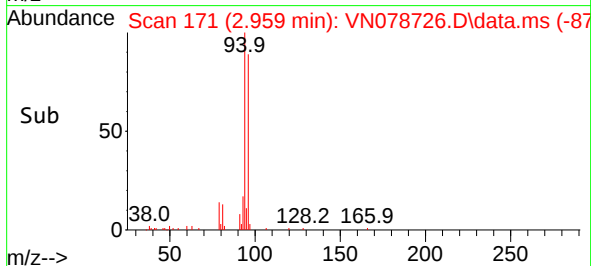
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



Tgt Ion: 94 Resp: 43540
Ion Ratio Lower Upper
94 100
96 88.7 73.9 110.9

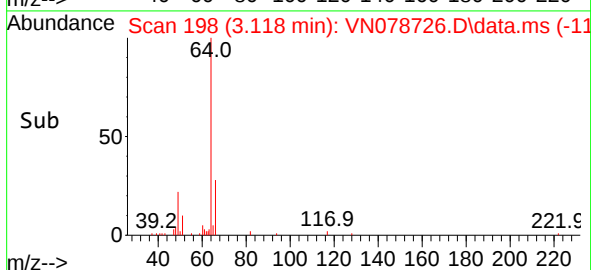
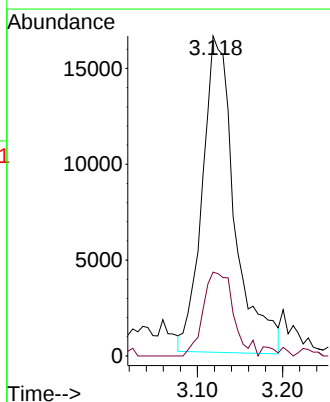
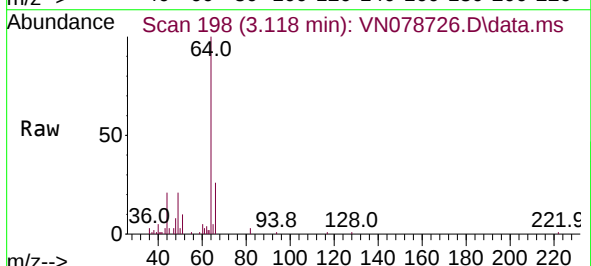
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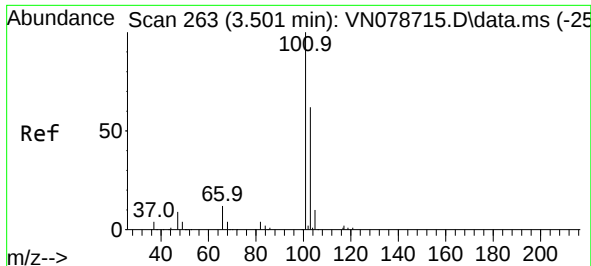
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#6
Chloroethane
Concen: 6.590 ug/l
RT: 3.118 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

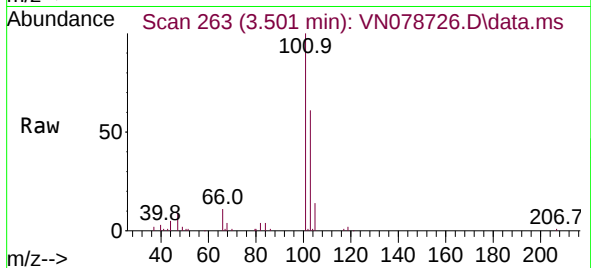
Tgt Ion: 64 Resp: 43636
Ion Ratio Lower Upper
64 100
66 28.0 25.7 38.5





#7
 Trichlorofluoromethane
 Concen: 8.357 ug/l
 RT: 3.501 min Scan# 263
 Delta R.T. -0.000 min
 Lab File: VN078726.D
 Acq: 01 Aug 2023 19:49

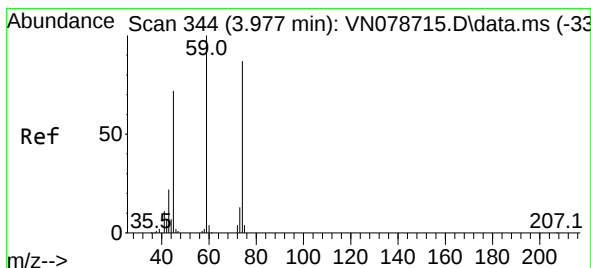
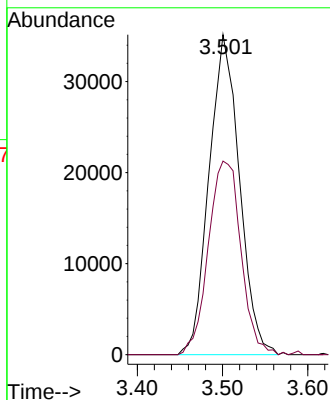
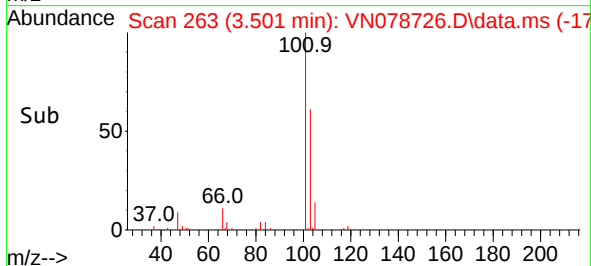
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Tgt Ion: 101 Resp: 8715
 Ion Ratio Lower Upper
 101 100
 103 60.5 50.4 75.6

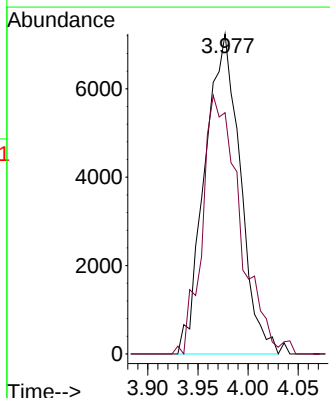
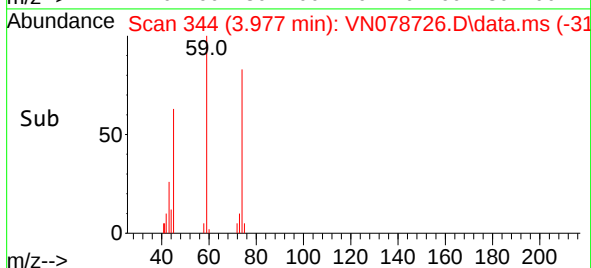
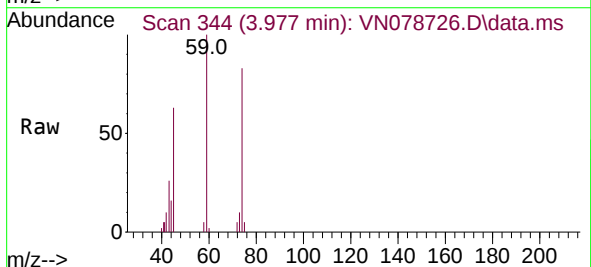
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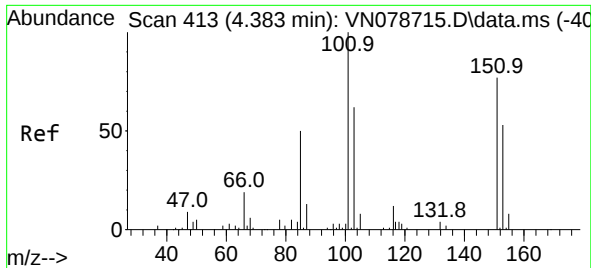
Reviewed By : John Carlone 08/02/2023
 Supervised By : Mahesh Dadoda 08/02/2023



#8
 Diethyl Ether
 Concen: 5.221 ug/l
 RT: 3.977 min Scan# 344
 Delta R.T. 0.000 min
 Lab File: VN078726.D
 Acq: 01 Aug 2023 19:49

Tgt Ion: 74 Resp: 17776
 Ion Ratio Lower Upper
 74 100
 45 76.7 16.3 146.5





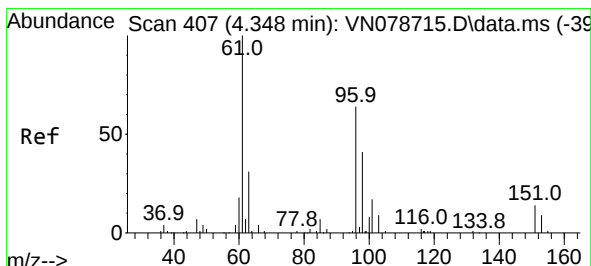
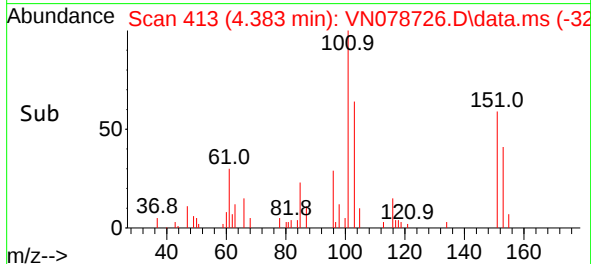
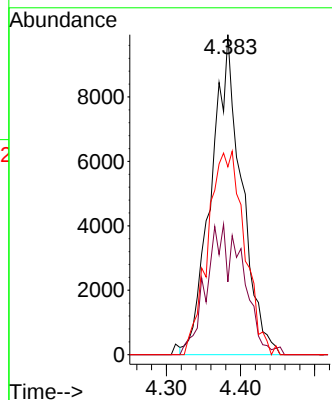
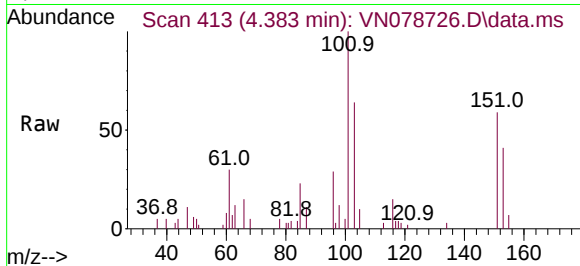
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.059 ug/l
RT: 4.383 min Scan# 413
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023

Tgt Ion: 101 Resp: 28320
Ion Ratio Lower Upper
101 100
85 20.8 0.0 89.2
151 0.0 0.0 148.8

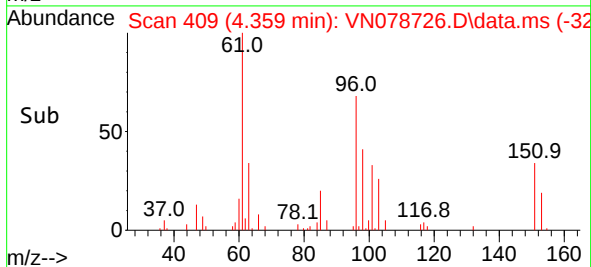
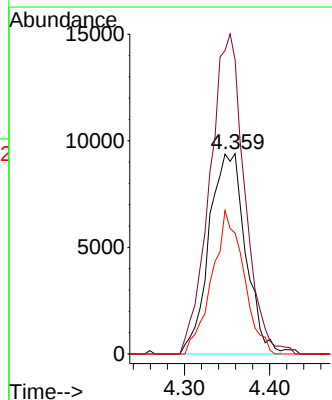
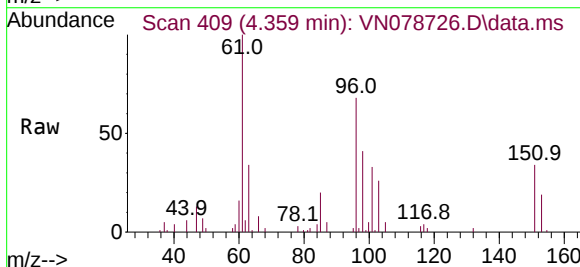
Manual Integrations
APPROVED

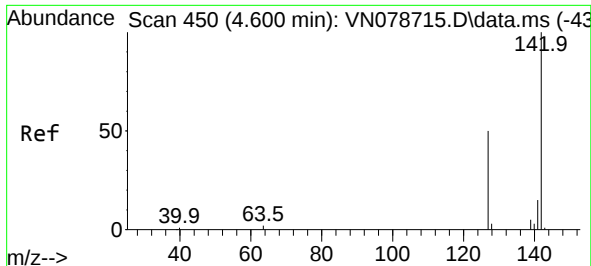
Reviewed By : John Carlone 08/02/2023
Supervised By : Mahesh Dadoda 08/02/2023



#10
1,1-Dichloroethene
Concen: 5.212 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.011 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

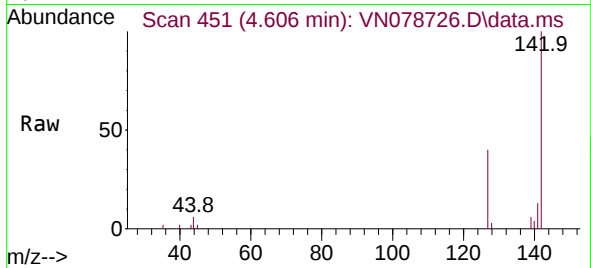
Tgt Ion: 96 Resp: 27979
Ion Ratio Lower Upper
96 100
61 146.9 123.4 185.2
98 60.4 53.7 80.5





#11
Methyl Iodide
Concen: 5.076 ug/l
RT: 4.606 min Scan# 411
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

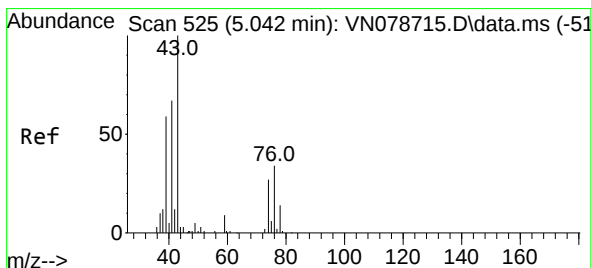
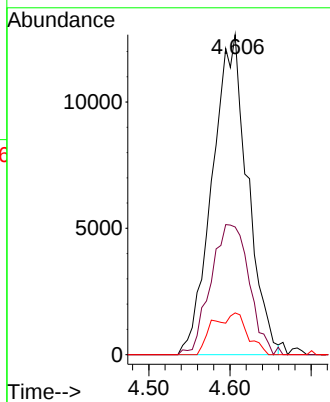
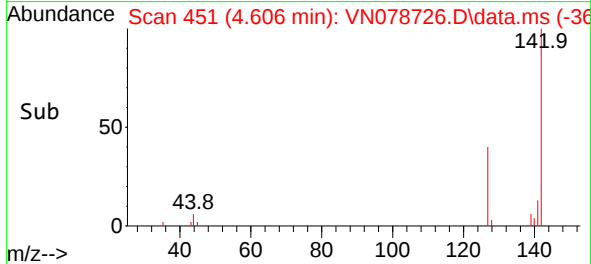
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



Tgt Ion: 142 Resp: 3829
Ion Ratio Lower Upper
142 100
127 39.3 23.2 69.5
141 13.2 7.2 21.7

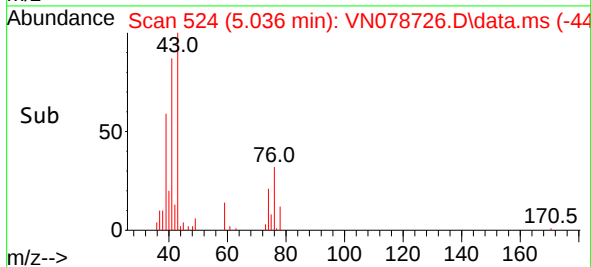
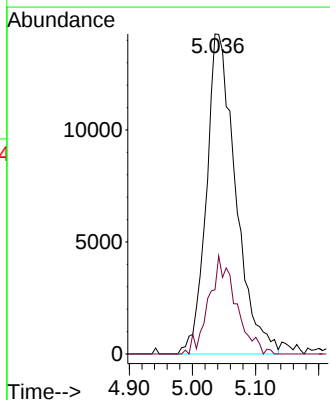
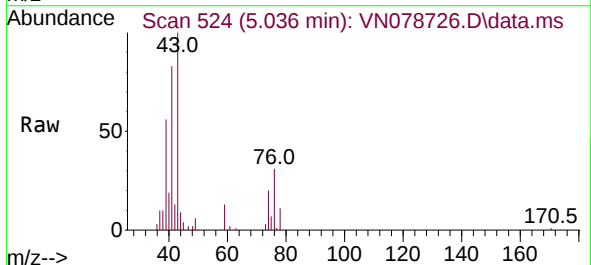
Manual Integrations
APPROVED

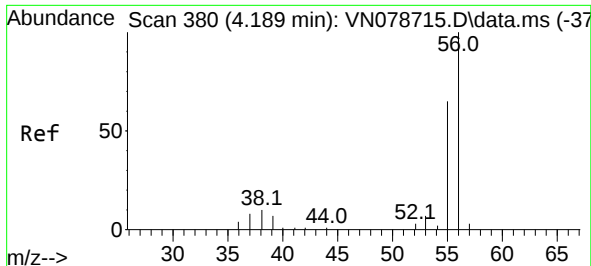
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#12
Methyl Acetate
Concen: 5.296 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

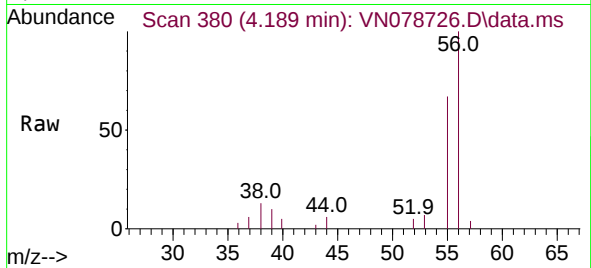
Tgt Ion: 43 Resp: 46111
Ion Ratio Lower Upper
43 100
74 20.7 20.5 30.7





#13
Acrolein
Concen: 25.706 ug/l
RT: 4.189 min Scan# 380
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

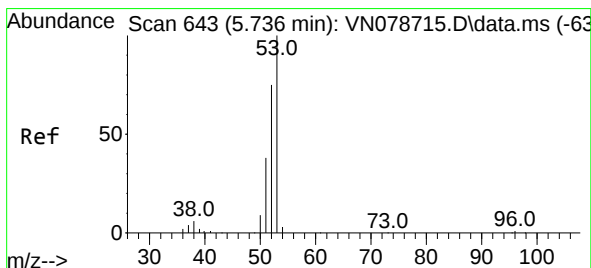
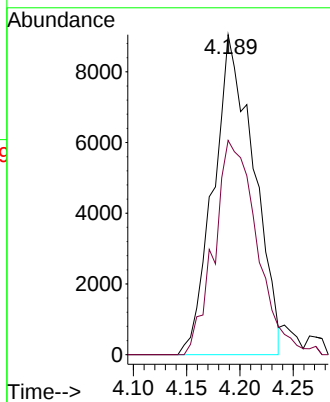
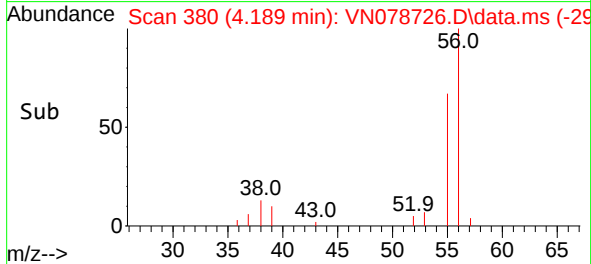
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



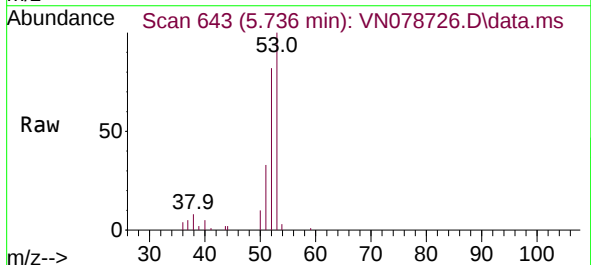
Tgt Ion: 56 Resp: 23834
Ion Ratio Lower Upper
56 100
55 70.9 59.0 88.4

Manual Integrations
APPROVED

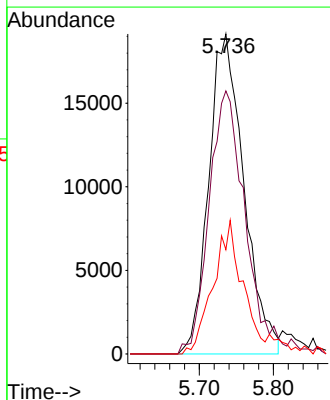
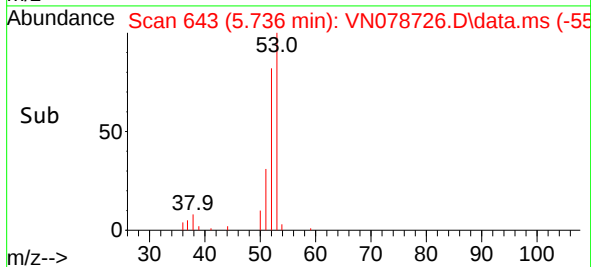
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

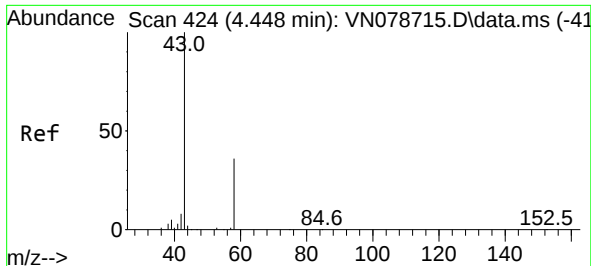


#14
Acrylonitrile
Concen: 24.650 ug/l
RT: 5.736 min Scan# 643
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49



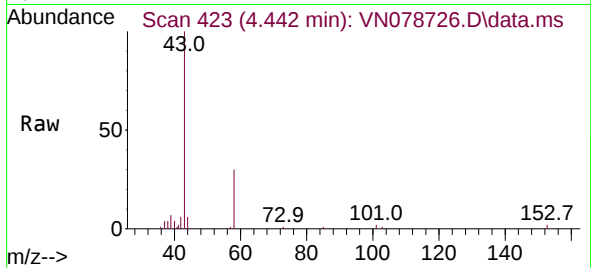
Tgt Ion: 53 Resp: 62846
Ion Ratio Lower Upper
53 100
52 83.3 42.3 126.9
51 34.9 18.4 55.4





#15
Acetone
Concen: 24.111 ug/l m
RT: 4.442 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

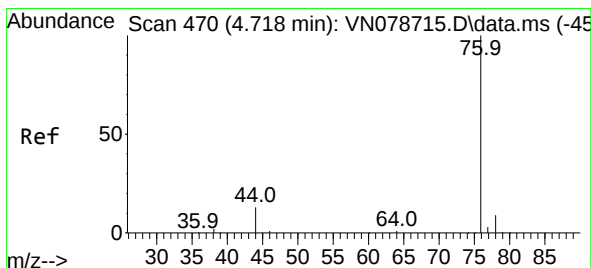
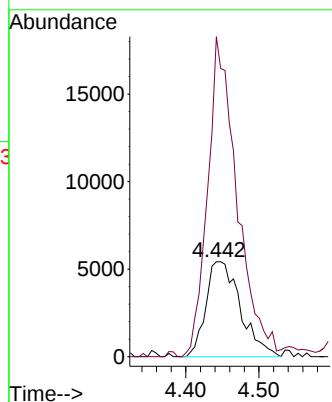
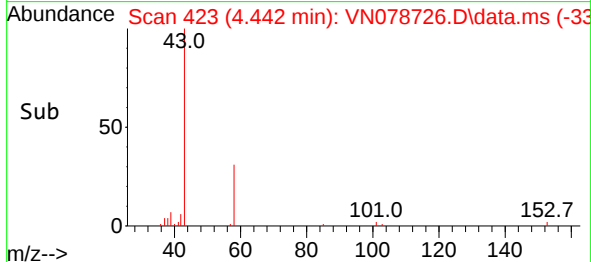
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



Tgt Ion: 58 Resp: 1781
Ion Ratio Lower Upper
58 100
43 337.0 227.5 341.3

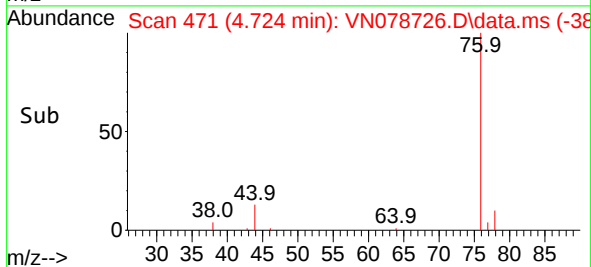
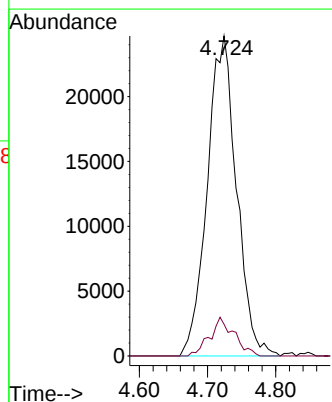
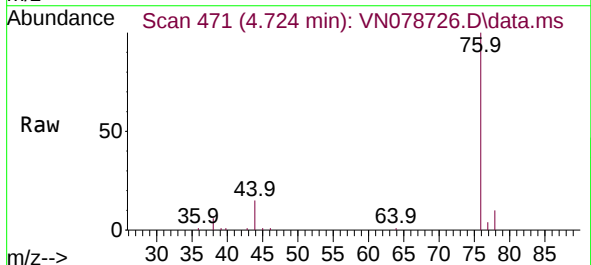
Manual Integrations
APPROVED

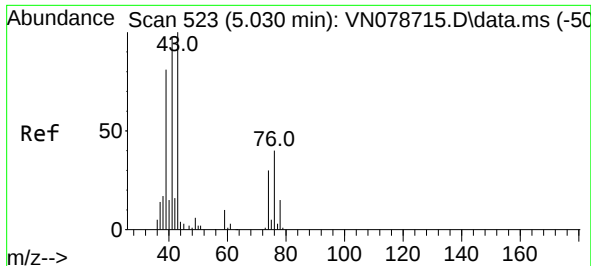
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#16
Carbon Disulfide
Concen: 4.854 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Tgt Ion: 76 Resp: 73597
Ion Ratio Lower Upper
76 100
78 9.9 7.7 11.5





#17

Allyl chloride

Concen: 4.567 ug/l

RT: 5.036 min Scan# 51

Delta R.T. 0.006 min

Lab File: VN078726.D

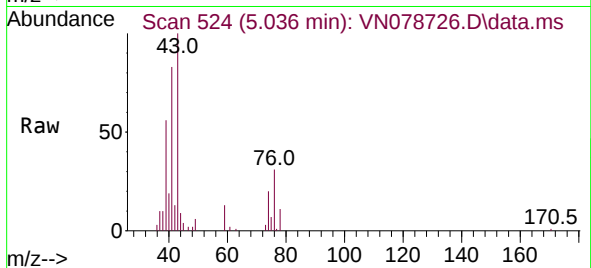
Acq: 01 Aug 2023 19:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2023



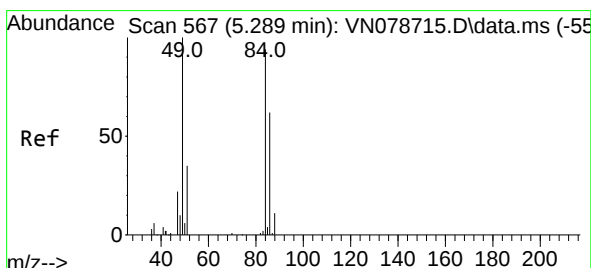
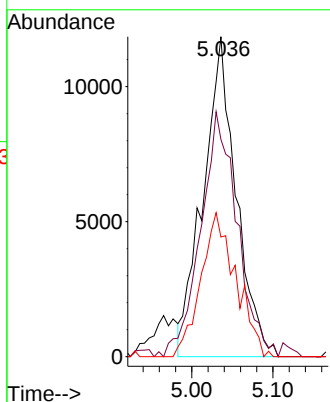
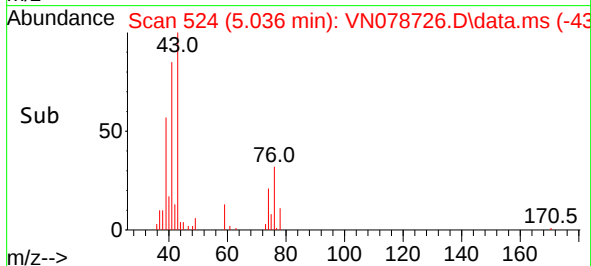
Tgt Ion:	41	Resp:	33470
Ion	Ratio	Lower	Upper
41	100		
39	67.9	37.6	112.8
76	37.4	23.8	71.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#18

Methylene Chloride

Concen: 5.787 ug/l

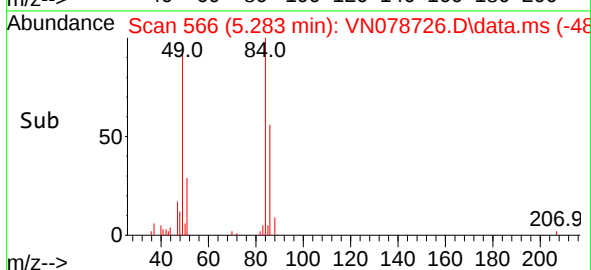
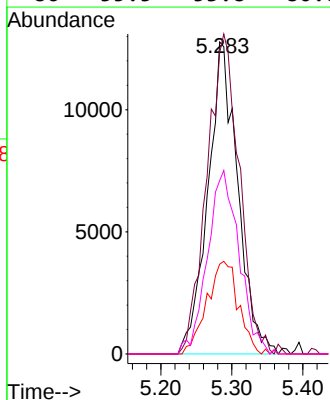
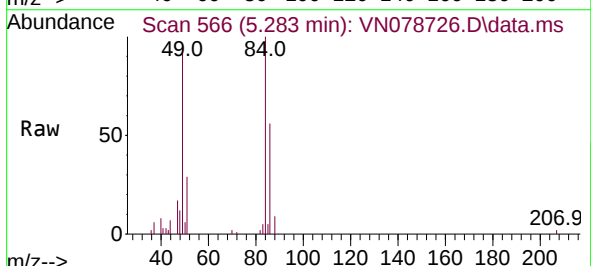
RT: 5.283 min Scan# 566

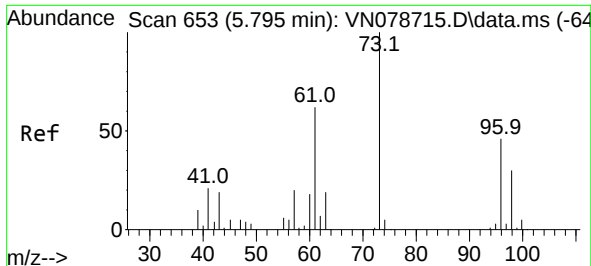
Delta R.T. -0.006 min

Lab File: VN078726.D

Acq: 01 Aug 2023 19:49

Tgt Ion:	84	Resp:	37267
Ion	Ratio	Lower	Upper
84	100		
49	96.5	88.1	132.1
51	28.8	24.0	36.0
86	55.5	53.8	80.8





#19

trans-1,2-Dichloroethene

Concen: 5.290 ug/l

RT: 5.795 min Scan# 61

Delta R.T. -0.000 min

Lab File: VN078726.D

Acq: 01 Aug 2023 19:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2023

Tgt Ion: 96 Resp: 3283

Ion Ratio Lower Upper

96 100

61 110.9 105.2 157.8

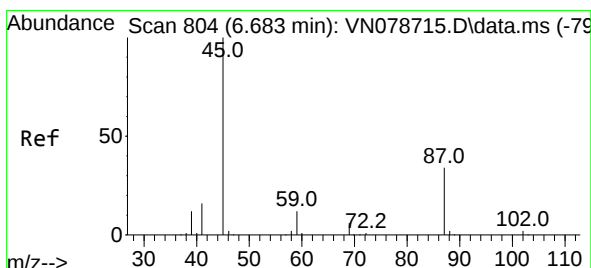
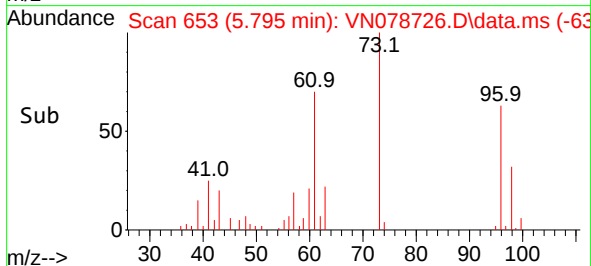
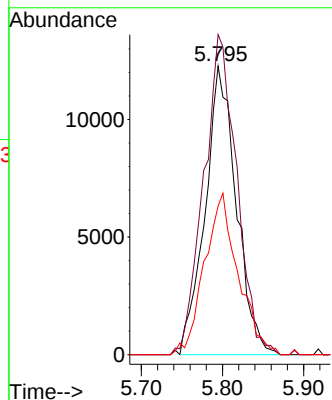
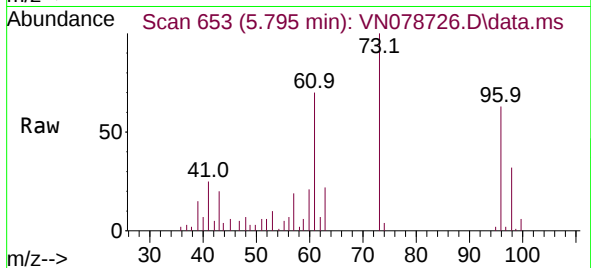
98 53.8 50.5 75.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#20

Diisopropyl ether

Concen: 4.830 ug/l

RT: 6.683 min Scan# 804

Delta R.T. -0.000 min

Lab File: VN078726.D

Acq: 01 Aug 2023 19:49

Tgt Ion: 45 Resp: 79701

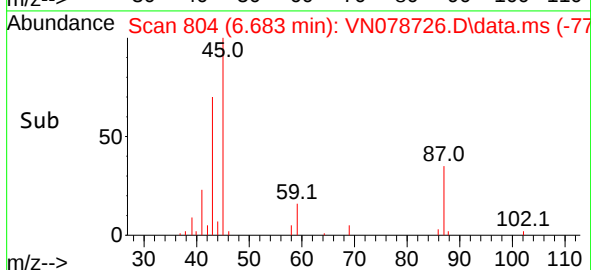
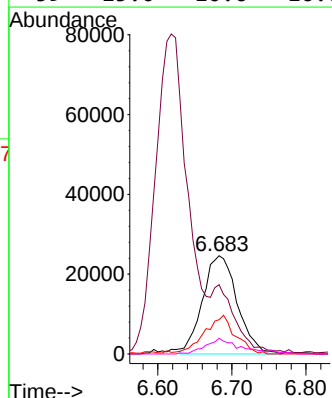
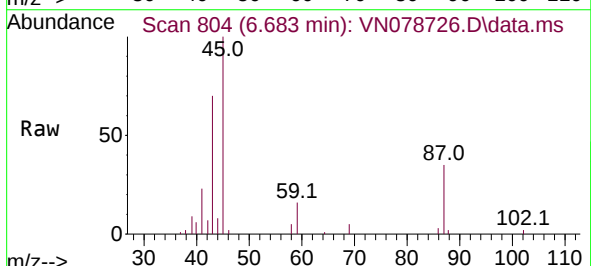
Ion Ratio Lower Upper

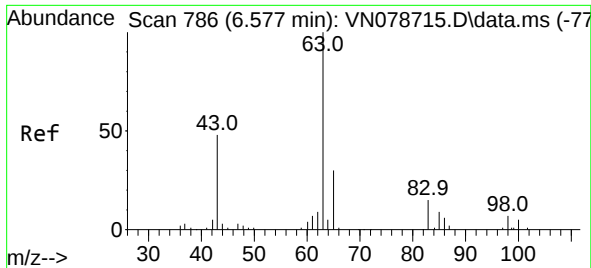
45 100

43 67.0 43.6 65.4#

87 34.8 25.8 38.6

59 15.0 10.6 16.0





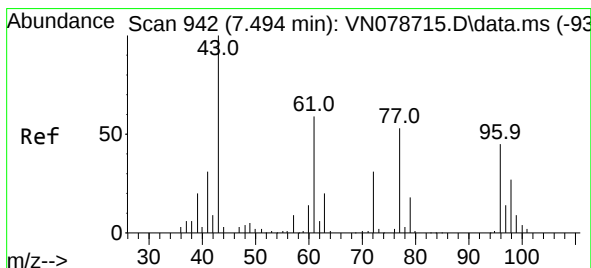
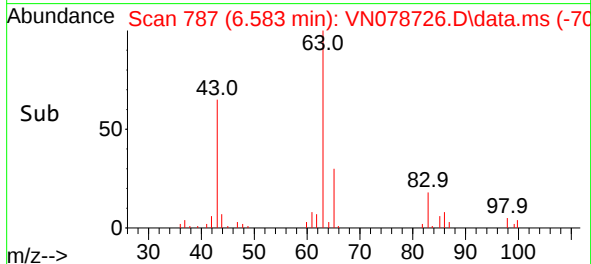
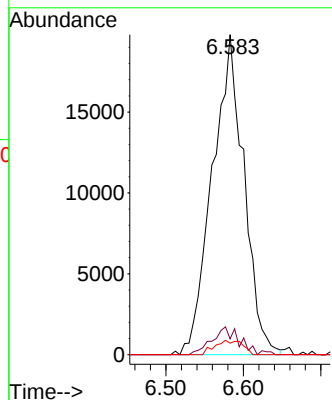
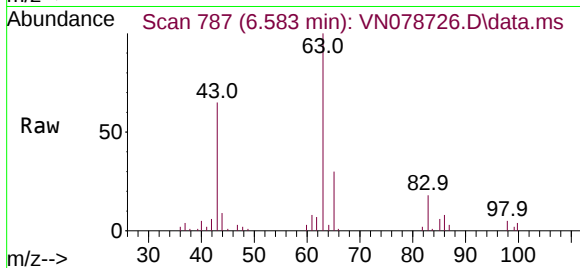
#21
1,1-Dichloroethane
Concen: 5.137 ug/l
RT: 6.583 min Scan# 786
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023

Tgt Ion: 63 Resp: 5613
Ion Ratio Lower Upper
63 100
98 5.0 2.7 8.1
100 3.6 2.5 7.4

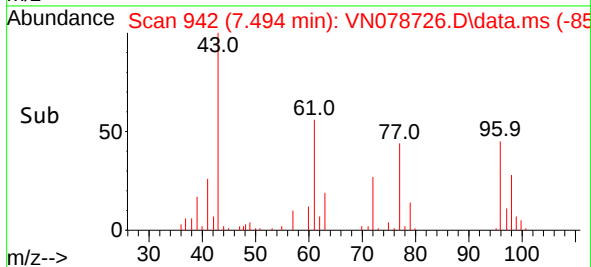
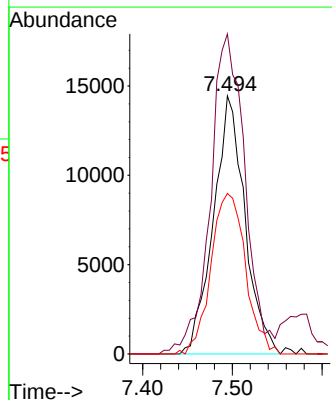
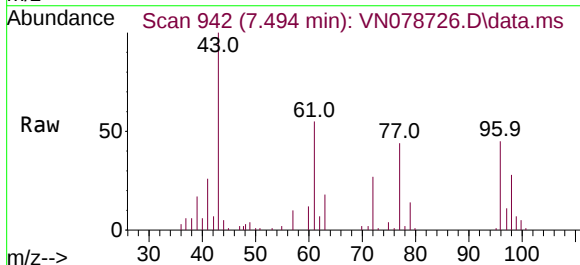
Manual Integrations
APPROVED

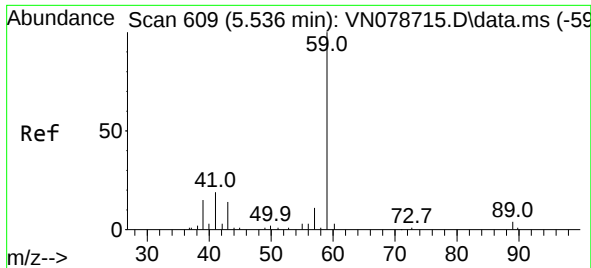
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#22
cis-1,2-Dichloroethene
Concen: 5.048 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Tgt Ion: 96 Resp: 35182
Ion Ratio Lower Upper
96 100
61 136.0 113.8 170.6
98 68.1 52.2 78.4





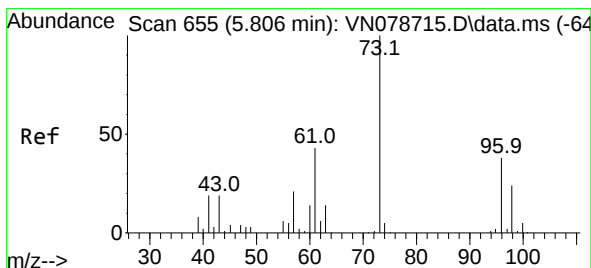
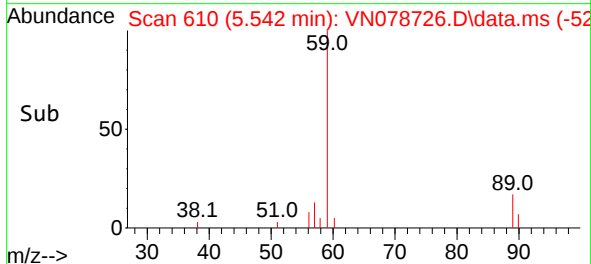
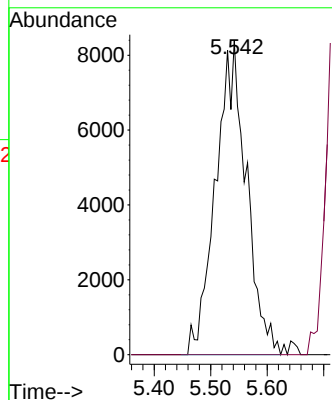
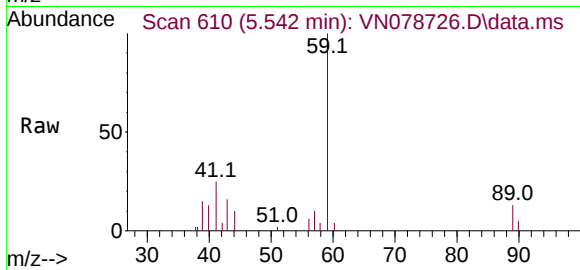
#23
tert-Butyl Alcohol
Concen: 30.262 ug/l m
RT: 5.542 min Scan# 610
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023

Tgt Ion: 59 Resp: 31528
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1

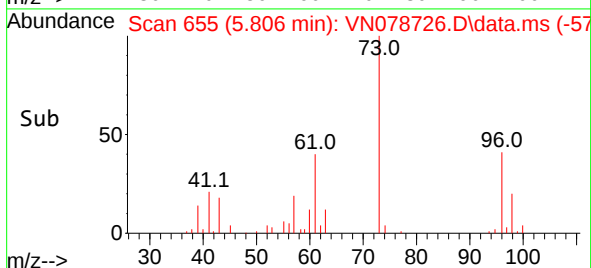
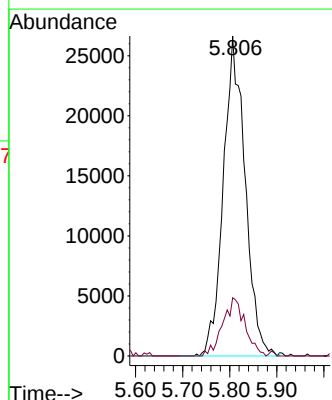
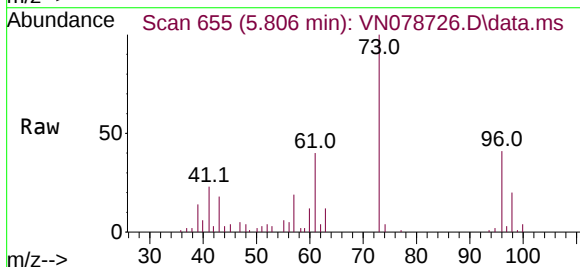
Manual Integrations
APPROVED

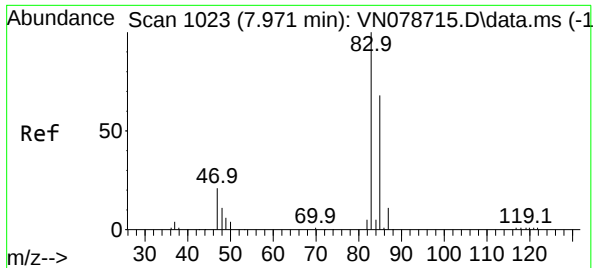
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#24
Methyl tert-Butyl Ether
Concen: 4.736 ug/l m
RT: 5.806 min Scan# 655
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Tgt Ion: 73 Resp: 85488
Ion Ratio Lower Upper
73 100
43 11.2 14.5 21.7





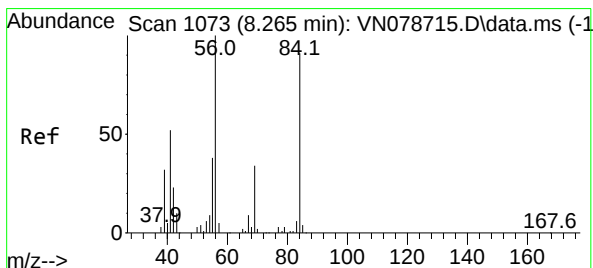
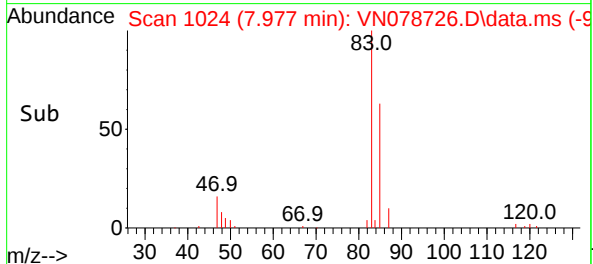
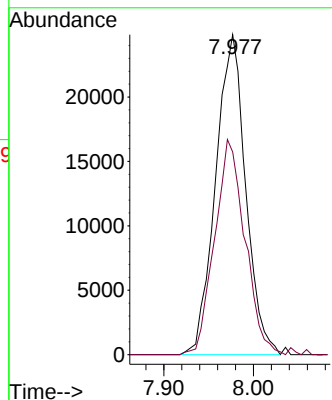
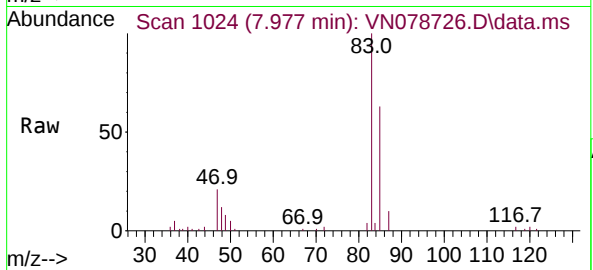
#25
Chloroform
Concen: 4.998 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023

Tgt Ion: 83 Resp: 5782
Ion Ratio Lower Upper
83 100
85 63.3 53.4 80.0

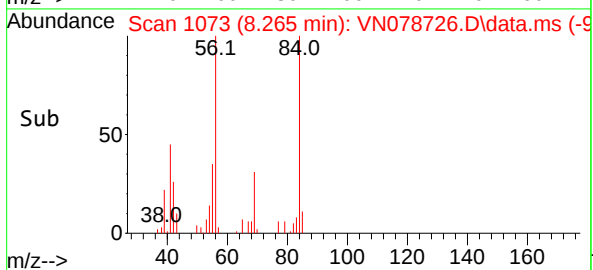
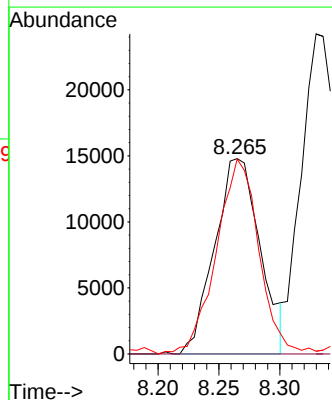
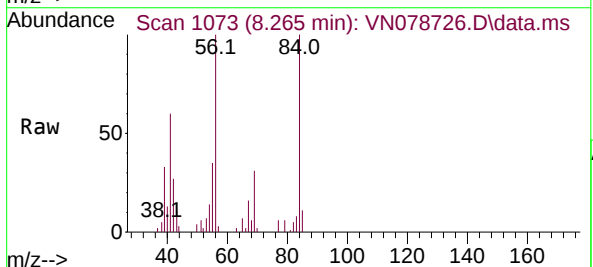
Manual Integrations
APPROVED

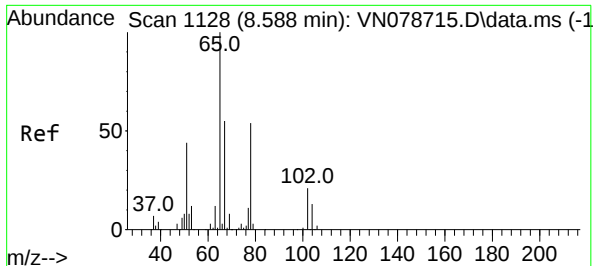
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#26
Cyclohexane
Concen: 4.781 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Tgt Ion: 56 Resp: 38487
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 92.7 74.2 111.4





#27

1,2-Dichloroethane-d4

Concen: 29.739 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.005 min

Lab File: VN078726.D

Acq: 01 Aug 2023 19:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2023

Tgt Ion: 65 Resp: 214789

Ion Ratio Lower Upper

65 100

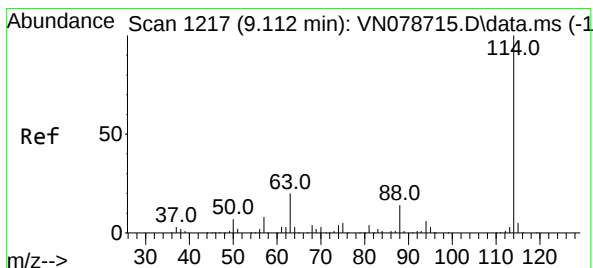
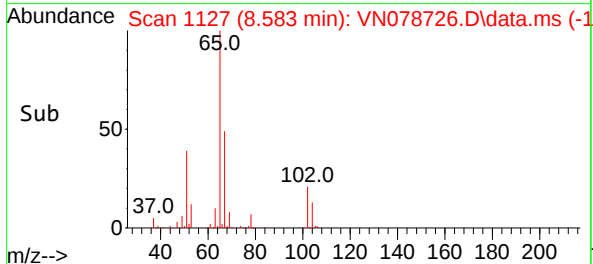
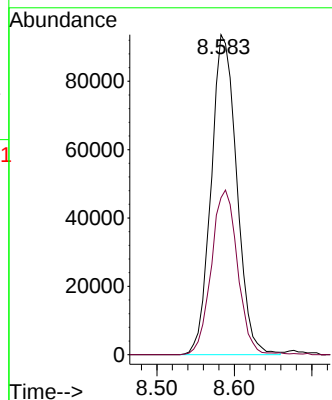
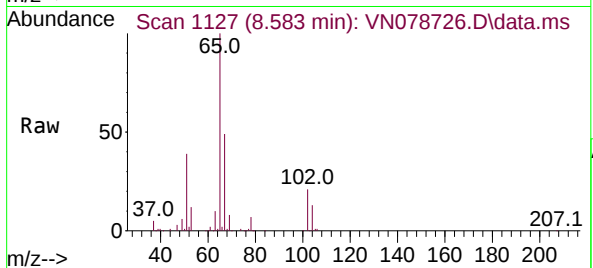
67 52.4 42.9 64.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN078726.D

Acq: 01 Aug 2023 19:49

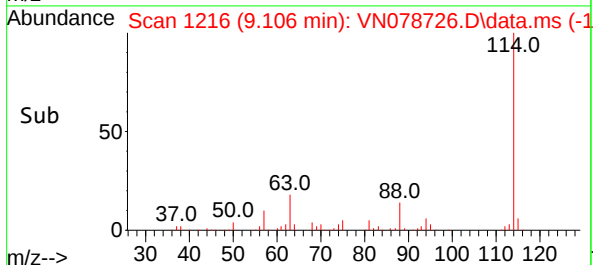
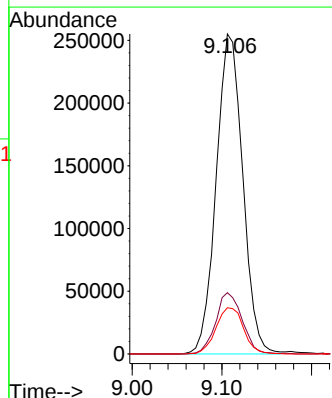
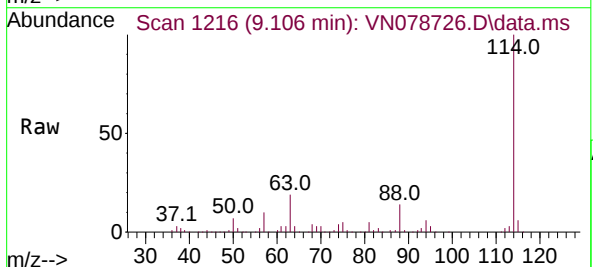
Tgt Ion:114 Resp: 523702

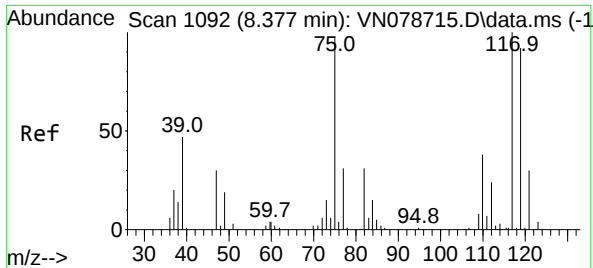
Ion Ratio Lower Upper

114 100

63 19.1 15.2 22.8

88 15.1 12.5 18.7





#29
1,1-Dichloropropene
Concen: 5.095 ug/l
RT: 8.383 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

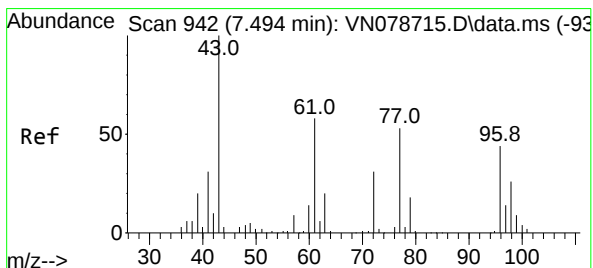
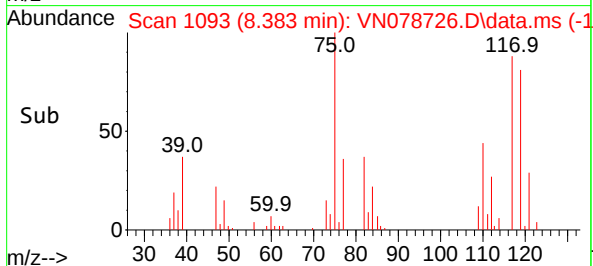
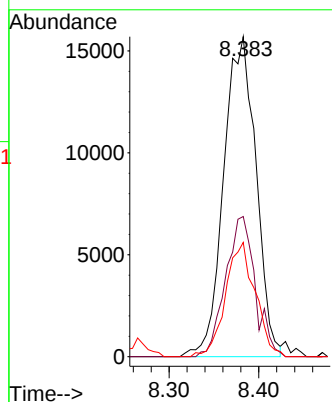
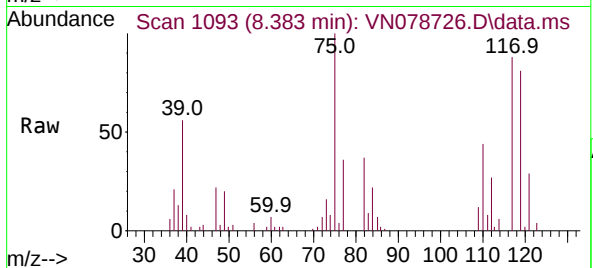
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023

Tgt Ion: 75 Resp: 39260

Ion	Ratio	Lower	Upper
75	100		
110	36.4	0.0	72.2
77	32.5	0.0	62.8

Manual Integrations
APPROVED

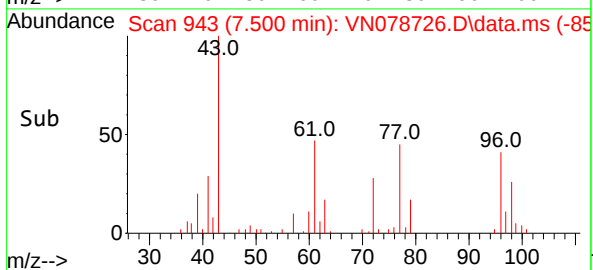
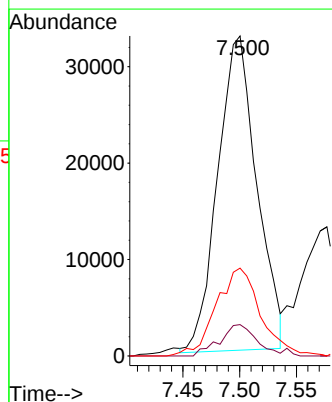
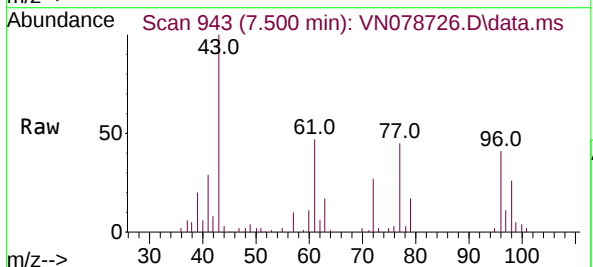
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

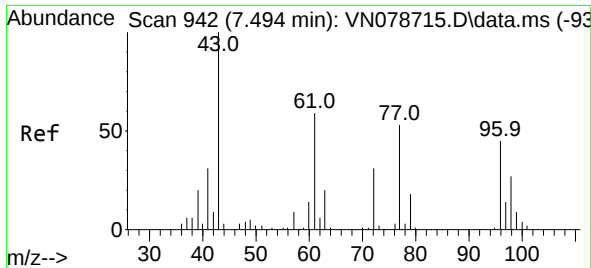


#30
2-Butanone
Concen: 25.632 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Tgt Ion: 43 Resp: 78080

Ion	Ratio	Lower	Upper
43	100		
57	9.3	6.8	10.2
72	31.8	23.8	35.6





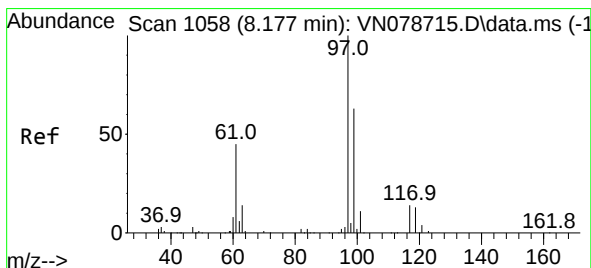
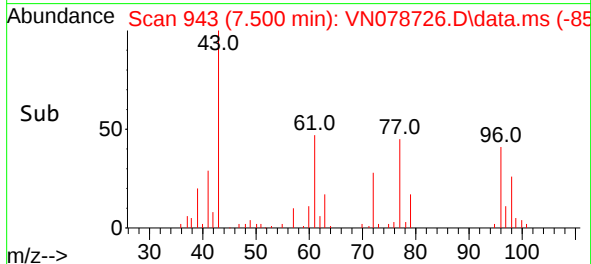
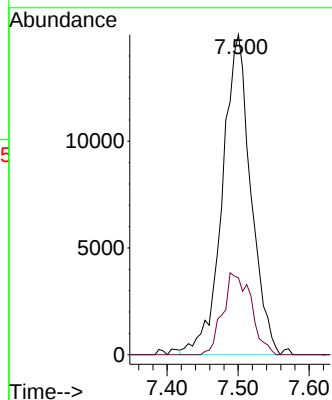
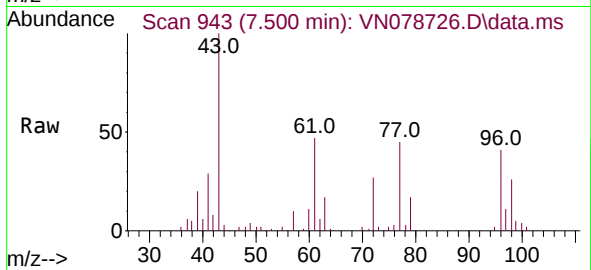
#31
2,2-Dichloropropane
Concen: 4.727 ug/l
RT: 7.500 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023

Tgt Ion: 77 Resp: 41800
Ion Ratio Lower Upper
77 100
97 17.4 18.8 28.2

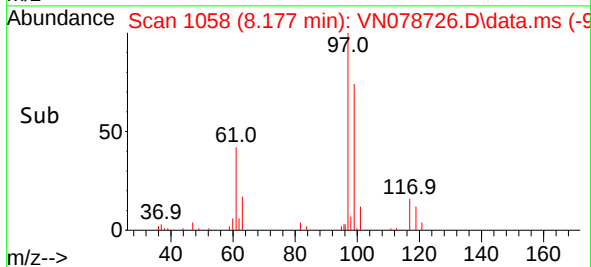
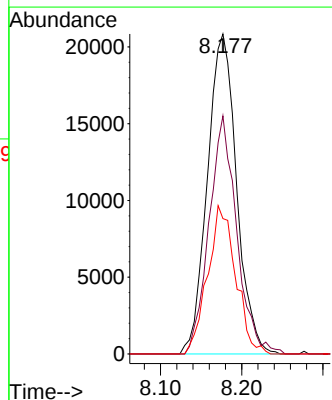
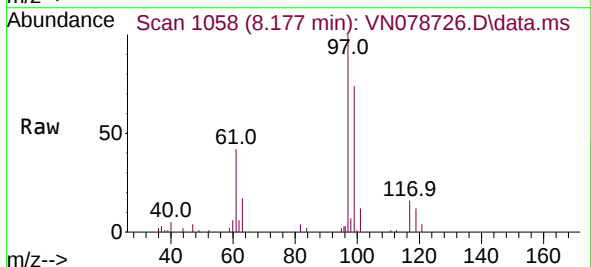
Manual Integrations
APPROVED

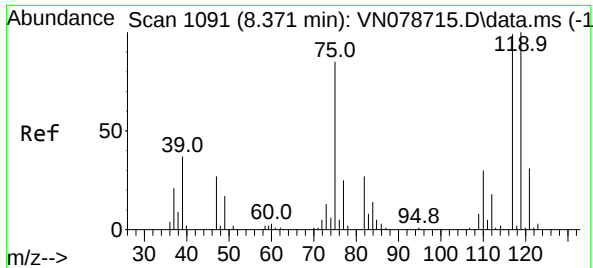
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#32
1,1,1-Trichloroethane
Concen: 5.357 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

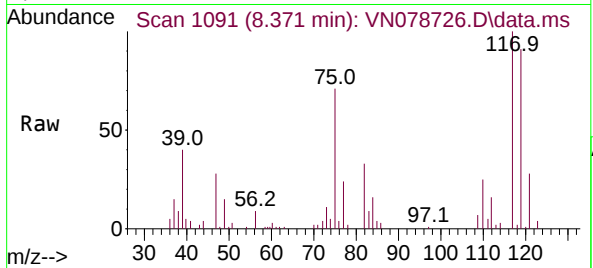
Tgt Ion: 97 Resp: 52226
Ion Ratio Lower Upper
97 100
99 70.4 51.3 76.9
61 44.4 34.6 52.0





#33
Carbon Tetrachloride
Concen: 5.398 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

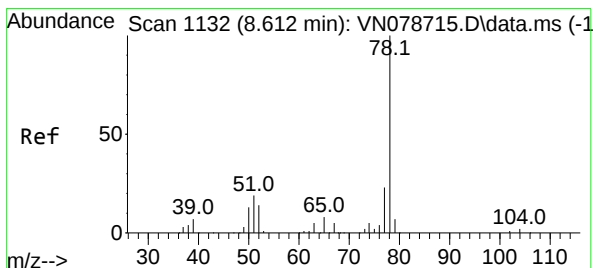
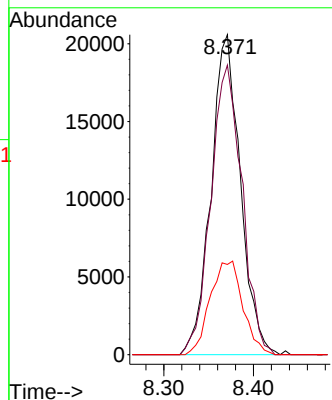
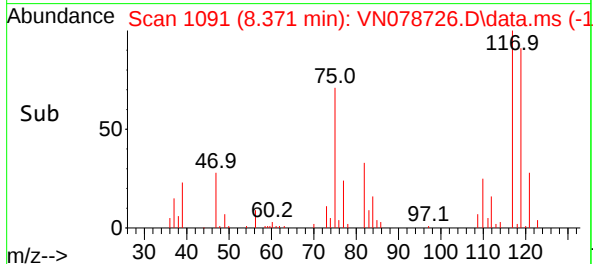
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023



Tgt Ion: 117 Resp: 46739
Ion Ratio Lower Upper
117 100
119 90.5 81.4 122.0
121 28.2 23.6 35.4

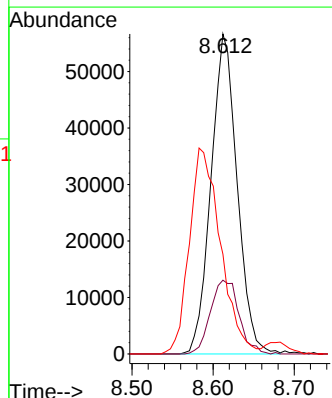
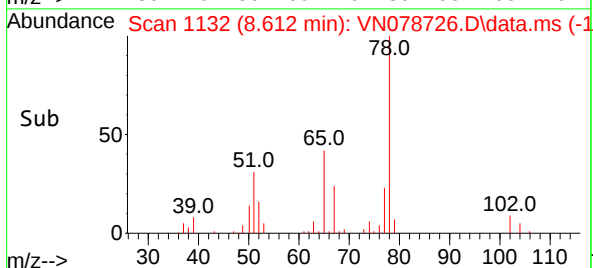
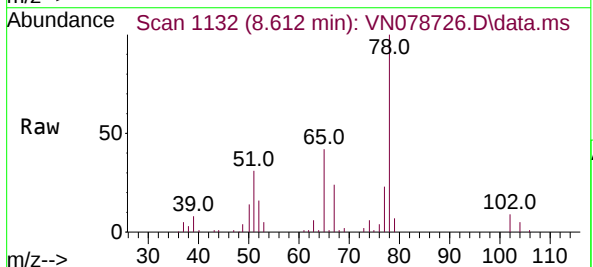
Manual Integrations
APPROVED

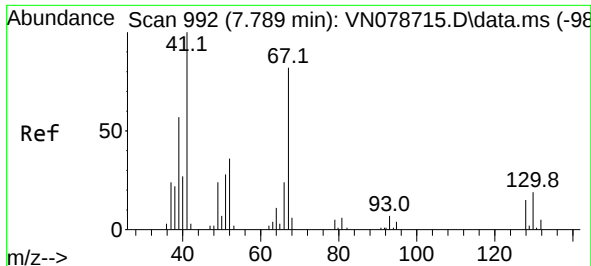
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#34
Benzene
Concen: 5.476 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

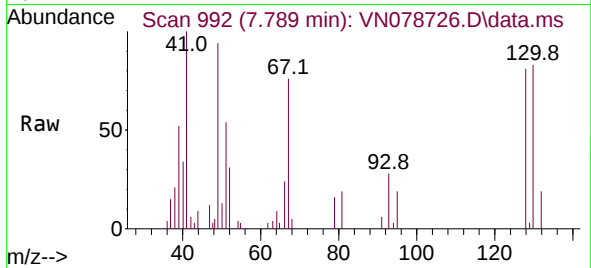
Tgt Ion: 78 Resp: 126751
Ion Ratio Lower Upper
78 100
77 23.0 18.3 27.5
51 27.5 13.7 20.5





#35
Methacrylonitrile
Concen: 4.779 ug/l
RT: 7.789 min Scan# 992
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

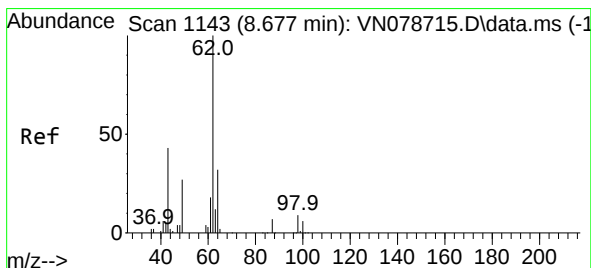
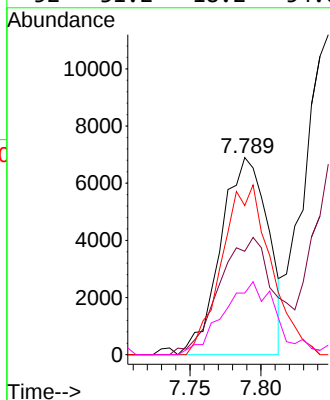
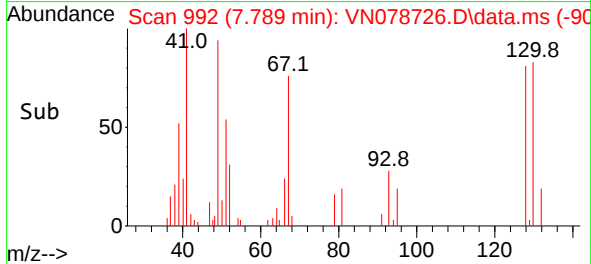
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



Tgt Ion	Ratio	Lower	Upper
41	100		
39	49.2	33.9	101.6
67	75.7	45.9	137.6
52	31.2	18.2	54.6

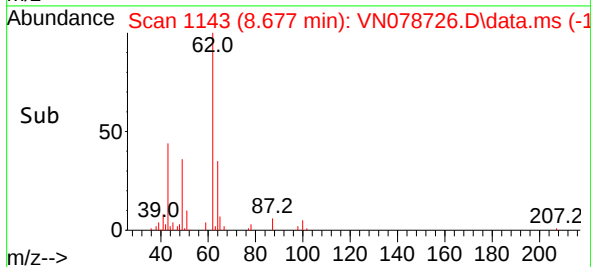
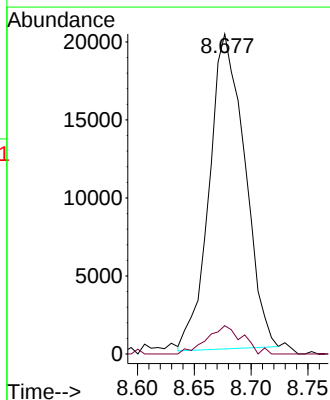
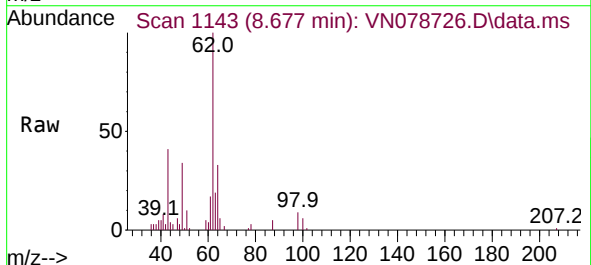
Manual Integrations
APPROVED

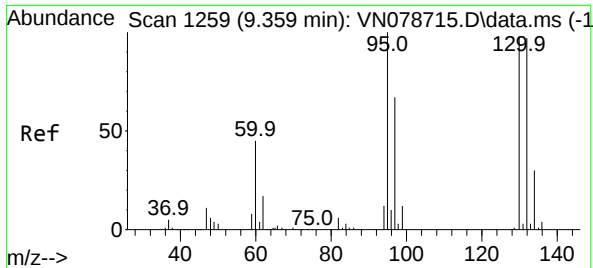
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#36
1,2-Dichloroethane
Concen: 5.401 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	7.4	11.0





#37

Trichloroethene

Concen: 4.931 ug/l

RT: 9.359 min Scan# 1259

Delta R.T. 0.000 min

Lab File: VN078726.D

Acq: 01 Aug 2023 19:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2023

Tgt Ion:130 Resp: 3203

Ion Ratio Lower Upper

130 100

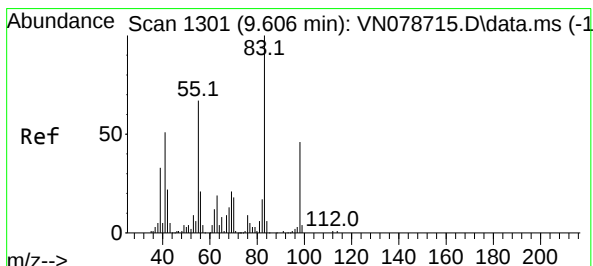
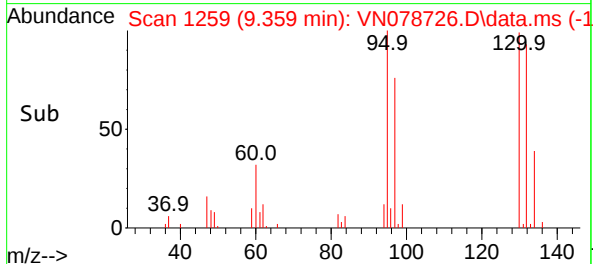
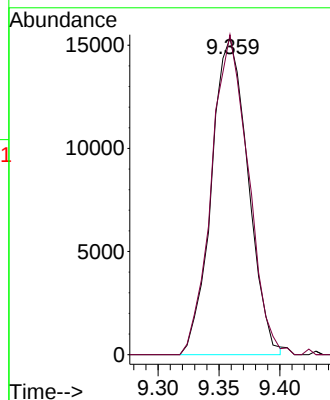
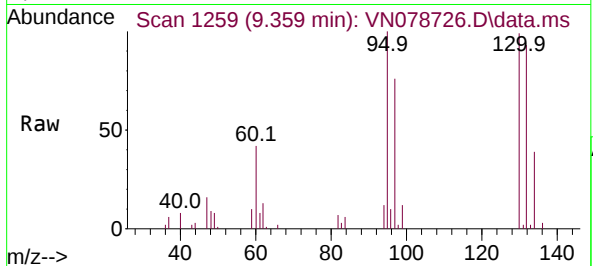
95 101.1 78.2 117.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#38

Methylcyclohexane

Concen: 4.643 ug/l

RT: 9.606 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VN078726.D

Acq: 01 Aug 2023 19:49

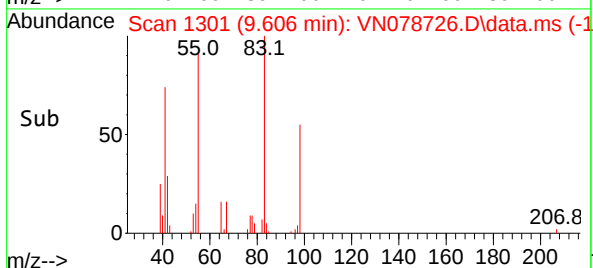
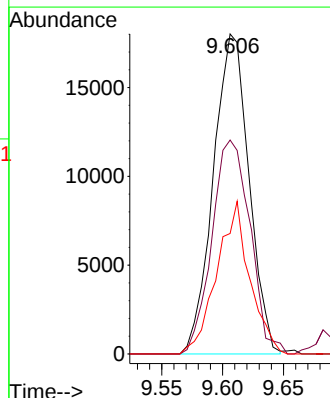
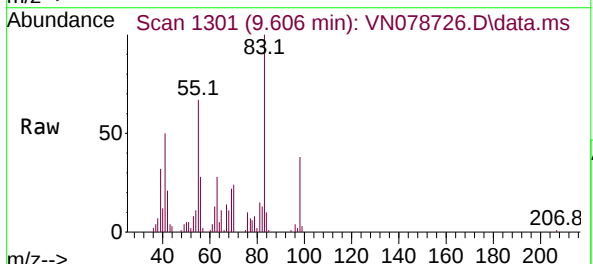
Tgt Ion: 83 Resp: 36764

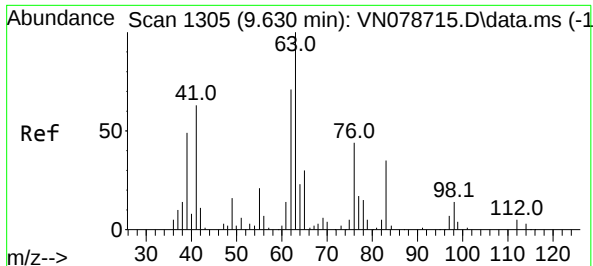
Ion Ratio Lower Upper

83 100

55 70.9 34.0 102.0

98 44.0 23.0 69.0





#39

1,2-Dichloropropane

Concen: 5.197 ug/l

RT: 9.630 min Scan# 1305

Delta R.T. -0.000 min

Lab File: VN078726.D

Acq: 01 Aug 2023 19:49

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2023

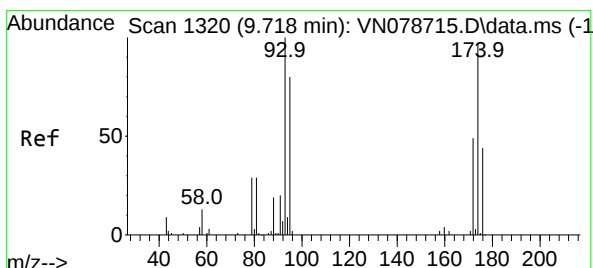
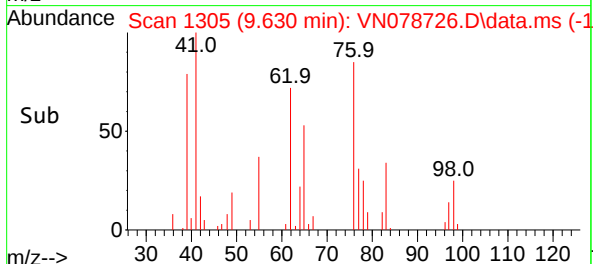
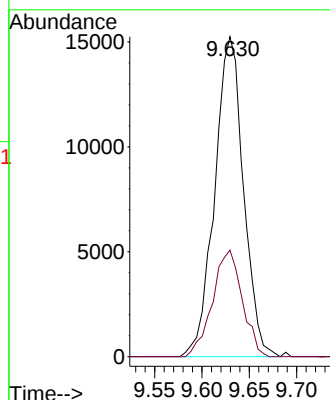
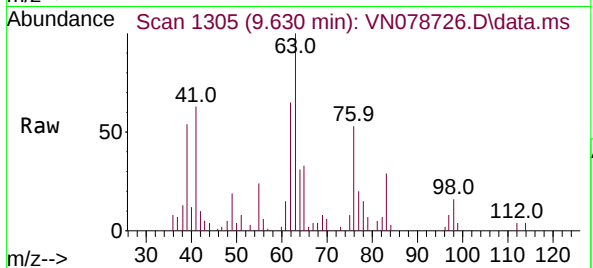
Tgt Ion: 63 Resp: 3225
 Ion Ratio Lower Upper
 63 100
 65 33.3 27.4 41.2

Manual Integrations

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Reviewed By :John Carlone 08/02/2023

Supervised By :Mahesh Dadoda 08/02/2023



#40

Dibromomethane

Concen: 5.377 ug/l

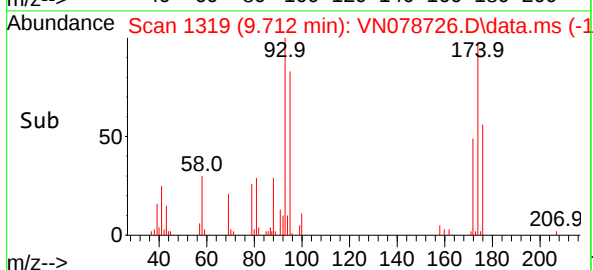
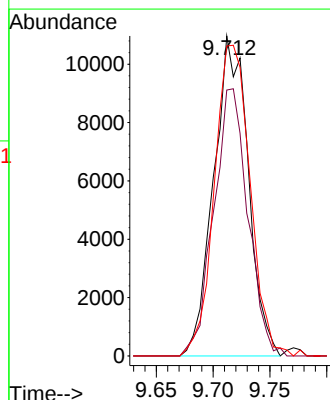
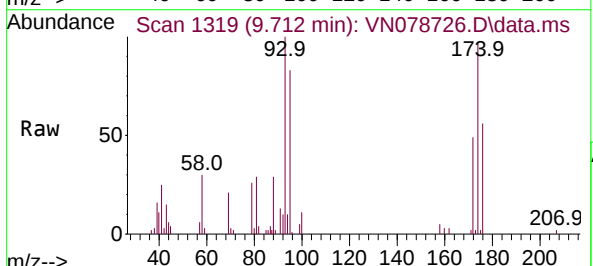
RT: 9.712 min Scan# 1319

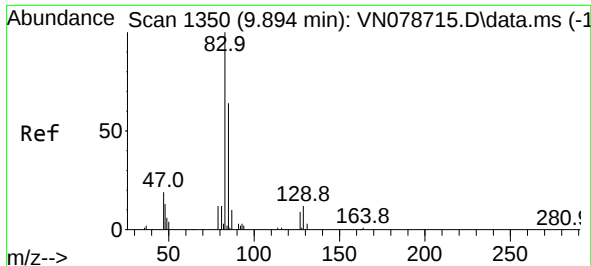
Delta R.T. -0.006 min

Lab File: VN078726.D

Acq: 01 Aug 2023 19:49

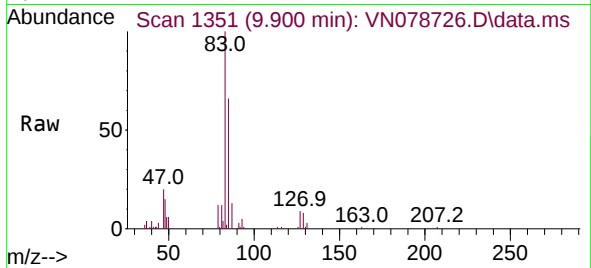
Tgt Ion: 93 Resp: 23095
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 167.8
 174 100.2 0.0 180.8





#41
Bromodichloromethane
Concen: 5.289 ug/l
RT: 9.900 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

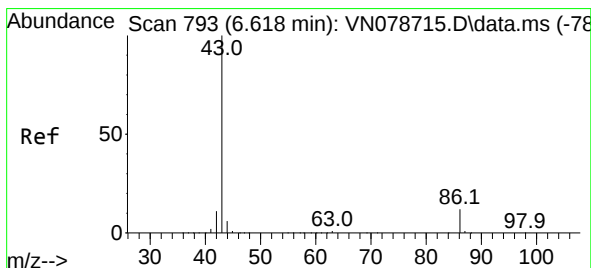
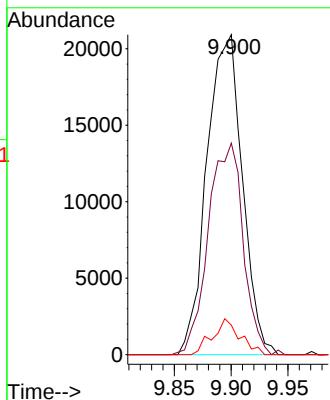
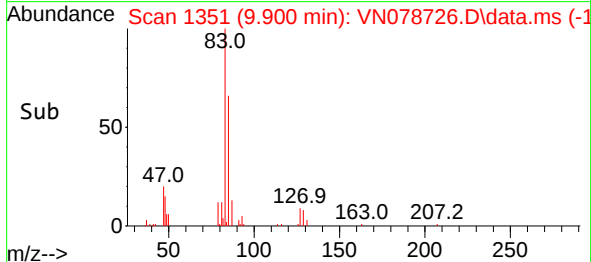
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



Tgt Ion: 83 Resp: 4541
Ion Ratio Lower Upper
83 100
85 65.3 54.1 81.1
127 9.2 7.8 11.6

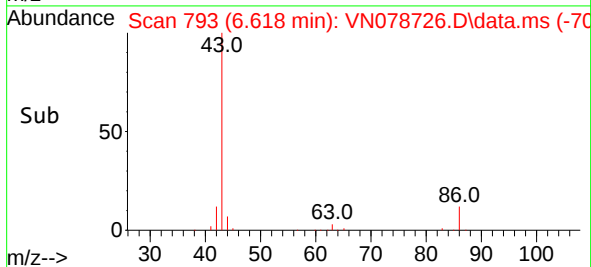
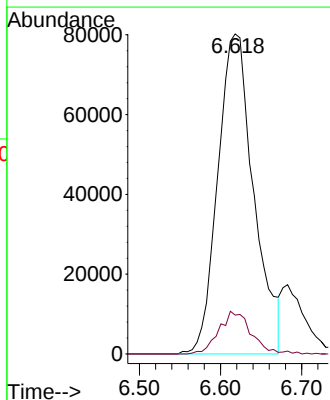
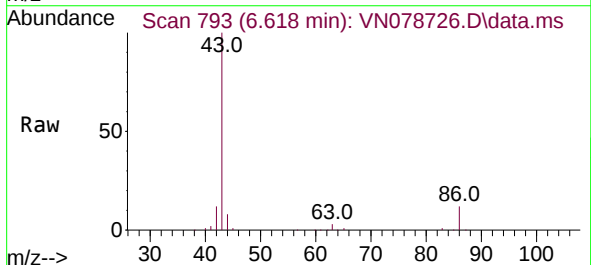
Manual Integrations
APPROVED

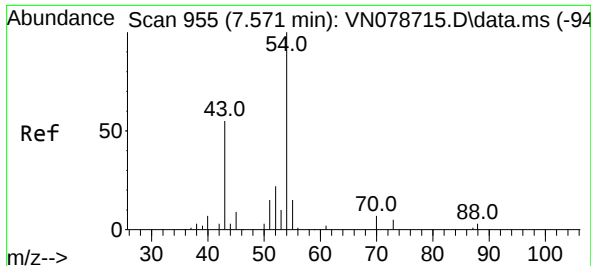
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#42
Vinyl Acetate
Concen: 25.203 ug/l
RT: 6.618 min Scan# 793
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Tgt Ion: 43 Resp: 246825
Ion Ratio Lower Upper
43 100
86 11.7 9.4 14.0





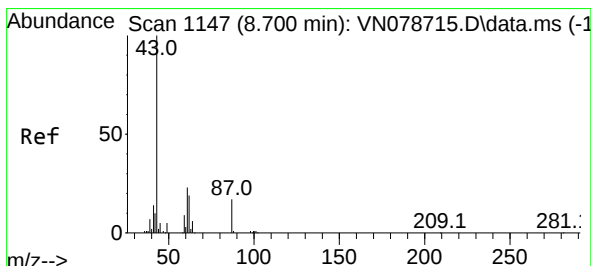
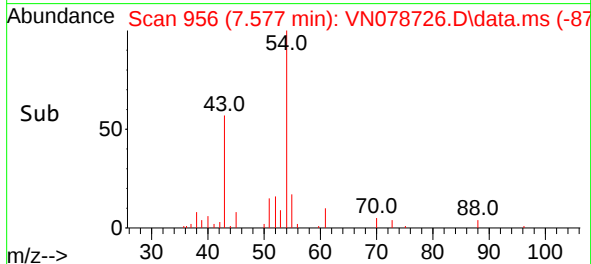
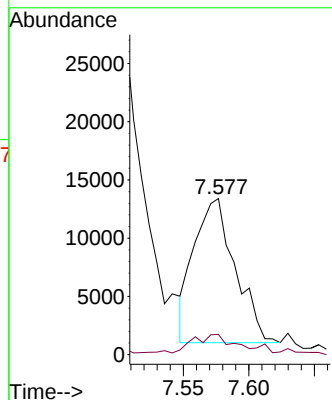
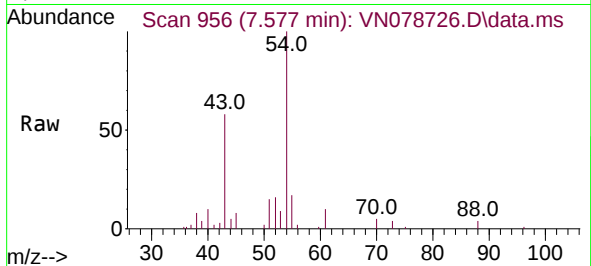
#43
Ethyl Acetate
Concen: 4.293 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023

Tgt Ion: 43 Resp: 2703
Ion Ratio Lower Upper
43 100
45 5.1 10.9 16.3

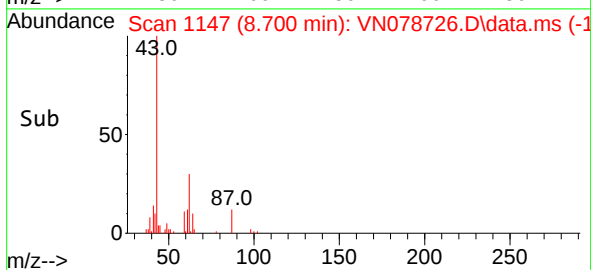
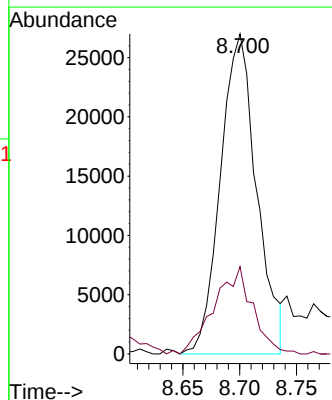
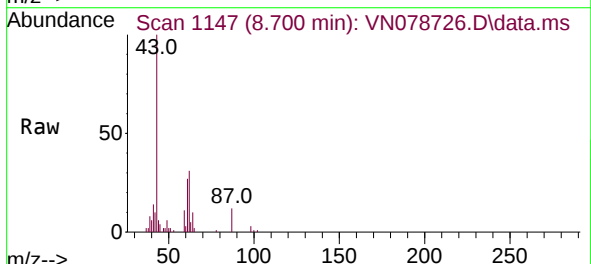
Manual Integrations
APPROVED

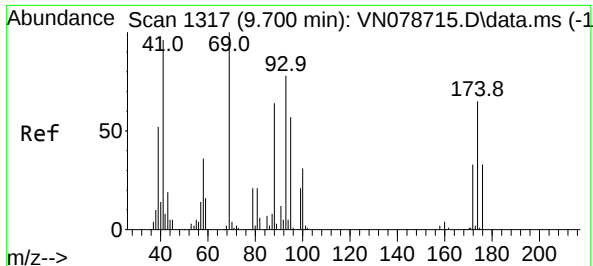
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#44
Isopropyl Acetate
Concen: 5.425 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

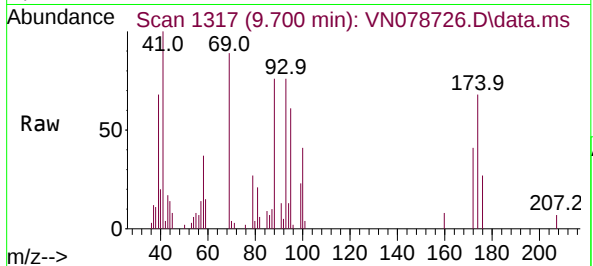
Tgt Ion: 43 Resp: 59936
Ion Ratio Lower Upper
43 100
61 12.5 23.0 34.6





#45
1,4-Dioxane
Concen: 100.277 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

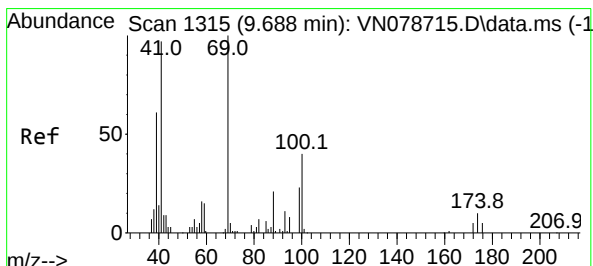
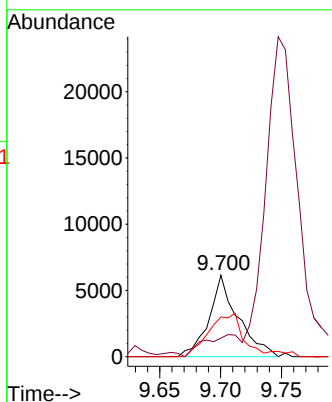
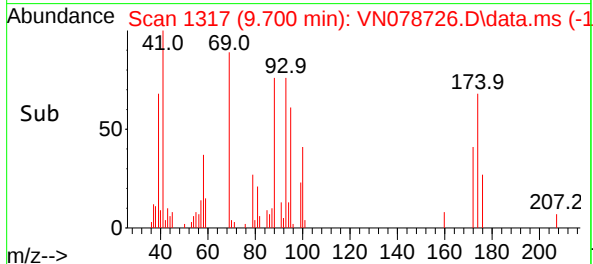
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



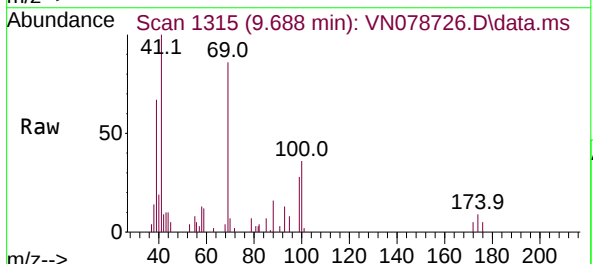
Tgt Ion: 88 Resp: 10192
Ion Ratio Lower Upper
88 100
43 5.2 19.0 28.6
58 61.8 48.2 72.2

Manual Integrations
APPROVED

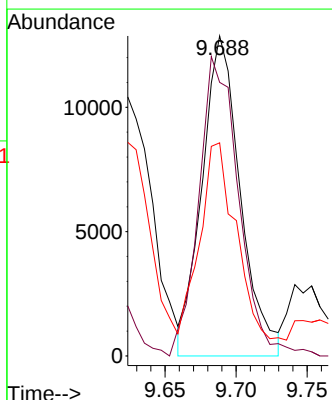
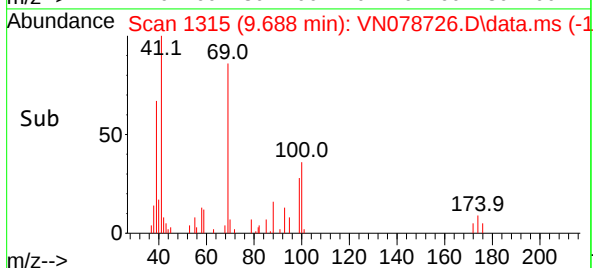
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

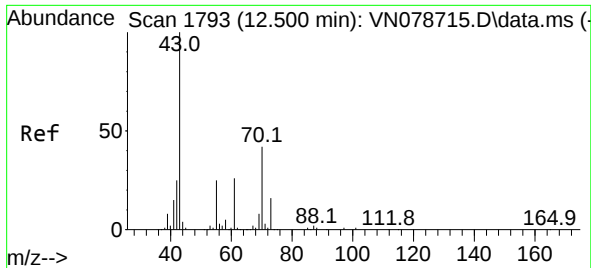


#46
Methyl methacrylate
Concen: 4.779 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49



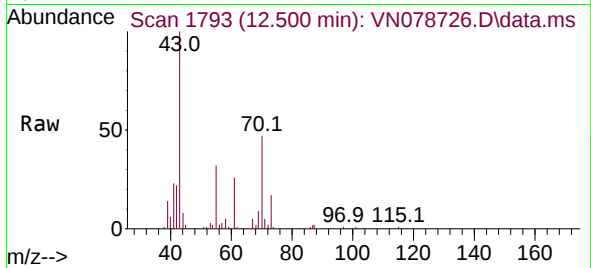
Tgt Ion: 41 Resp: 24179
Ion Ratio Lower Upper
41 100
69 88.1 49.0 147.0
39 65.7 31.6 94.8





#47
n-amy1 Acetate
Concen: 4.215 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

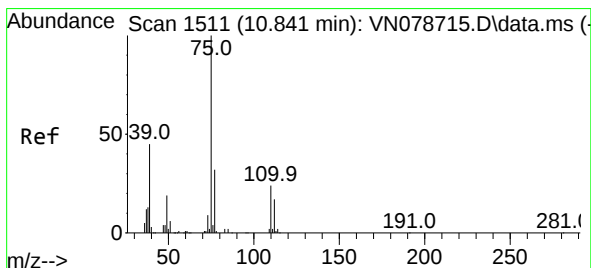
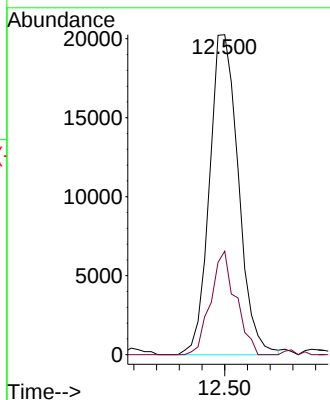
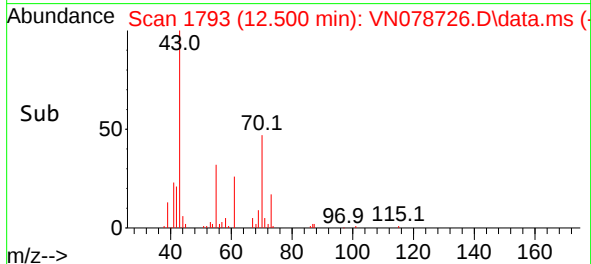
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



Tgt Ion: 43 Resp: 3587
Ion Ratio Lower Upper
43 100
55 28.1 21.5 32.3

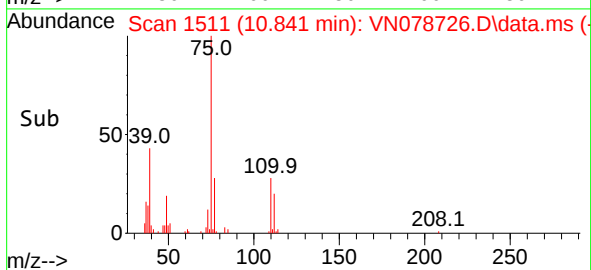
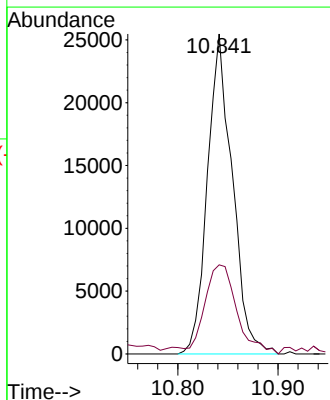
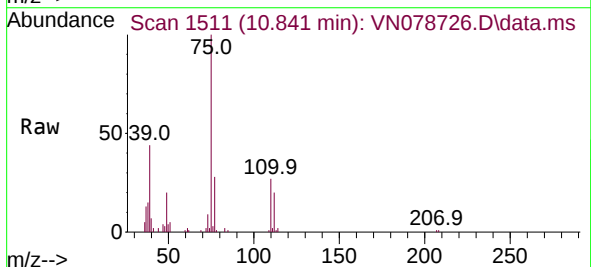
Manual Integrations
APPROVED

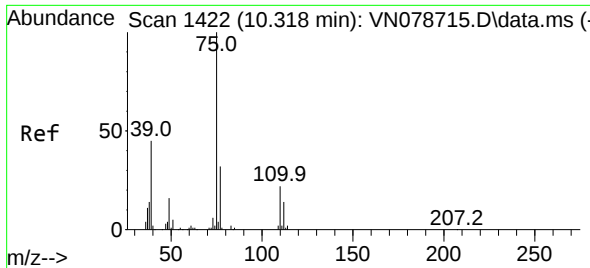
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#48
t-1,3-Dichloropropene
Concen: 4.797 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

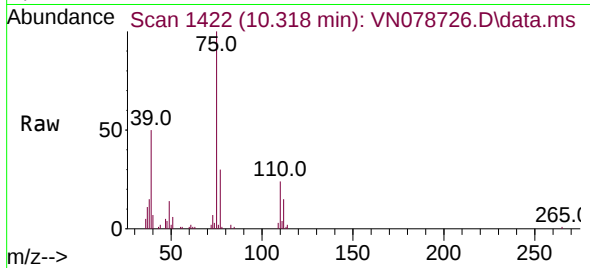
Tgt Ion: 75 Resp: 43964
Ion Ratio Lower Upper
75 100
77 27.9 26.1 39.1





#49
 cis-1,3-Dichloropropene
 Concen: 4.759 ug/l
 RT: 10.318 min Scan# 1422
 Delta R.T. -0.000 min
 Lab File: VN078726.D
 Acq: 01 Aug 2023 19:49

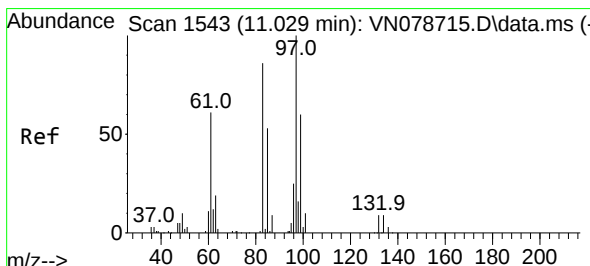
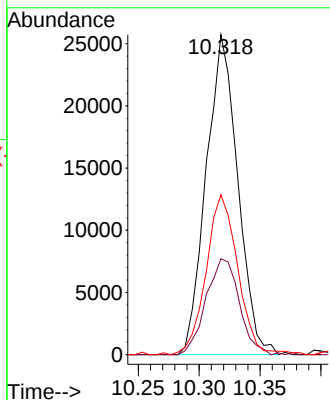
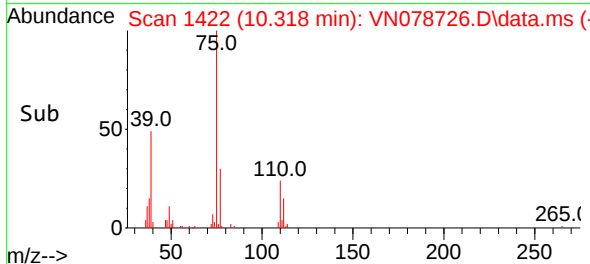
Instrument : MSVOA_N
 ClientSampleId : LOQ-WATER-02-QT3-2023



Tgt Ion: 75 Resp: 46320
 Ion Ratio Lower Upper
 75 100
 77 30.0 24.0 36.0
 39 49.2 35.1 52.7

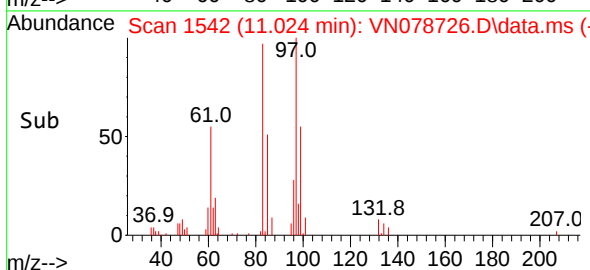
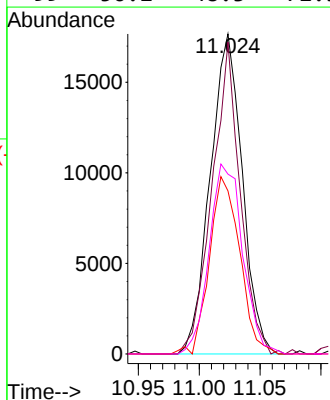
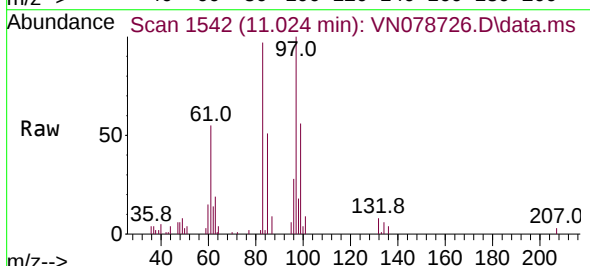
Manual Integrations
 APPROVED

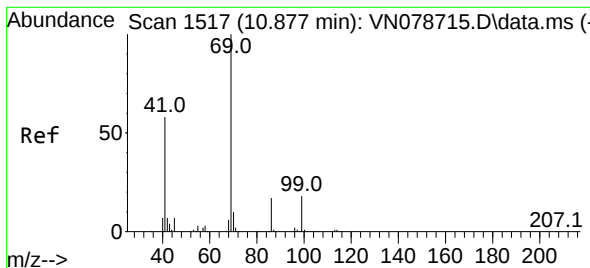
Reviewed By :John Carlone 08/02/2023
 Supervised By :Mahesh Dadoda 08/02/2023



#50
 1,1,2-Trichloroethane
 Concen: 5.317 ug/l
 RT: 11.024 min Scan# 1542
 Delta R.T. -0.005 min
 Lab File: VN078726.D
 Acq: 01 Aug 2023 19:49

Tgt Ion: 97 Resp: 32325
 Ion Ratio Lower Upper
 97 100
 83 97.5 66.8 100.2
 85 51.0 42.5 63.7
 99 56.2 48.3 72.5





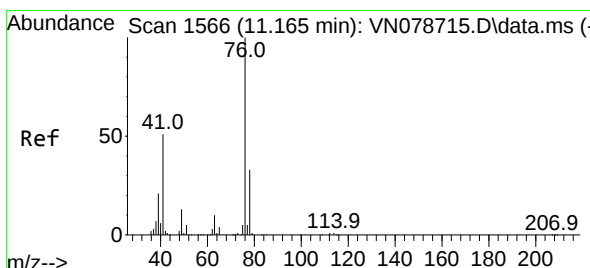
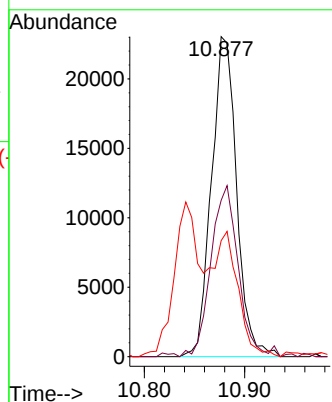
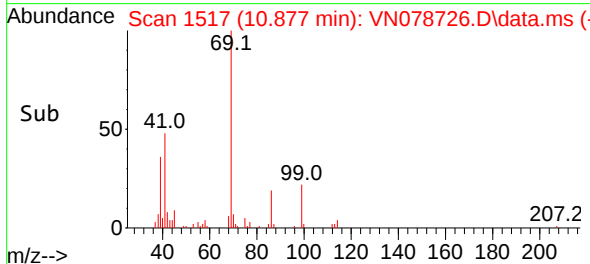
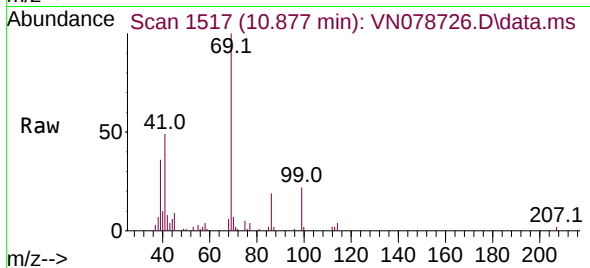
#51
Ethyl methacrylate
Concen: 4.821 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023

Tgt Ion: 69 Resp: 4013
Ion Ratio Lower Upper
69 100
41 48.8 26.0 78.0
39 36.3 16.3 48.9

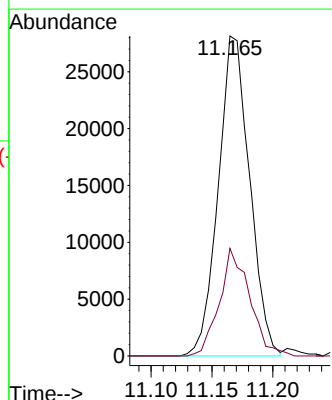
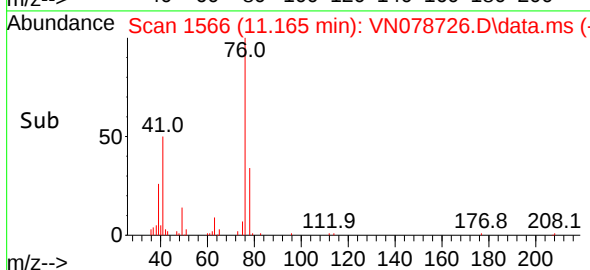
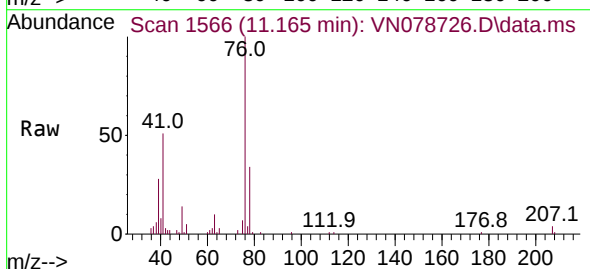
Manual Integrations
APPROVED

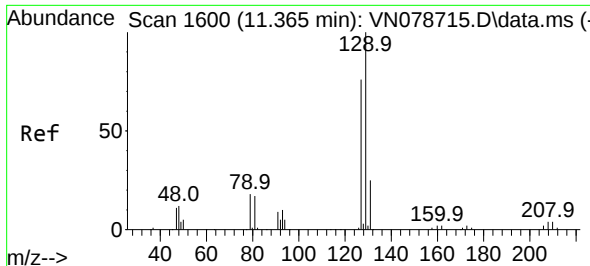
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#52
1,3-Dichloropropane
Concen: 4.616 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

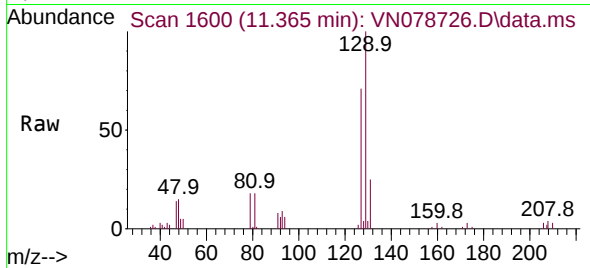
Tgt Ion: 76 Resp: 50440
Ion Ratio Lower Upper
76 100
78 32.4 0.0 66.2





#53
Dibromochloromethane
Concen: 5.716 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

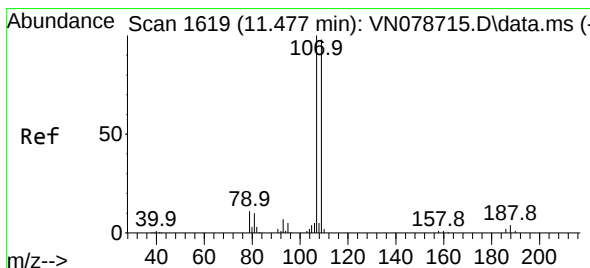
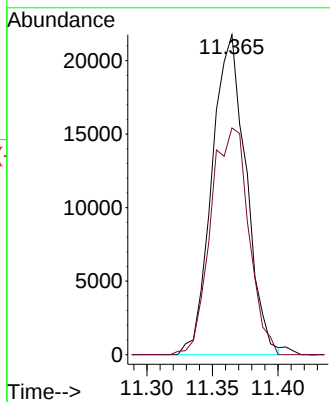
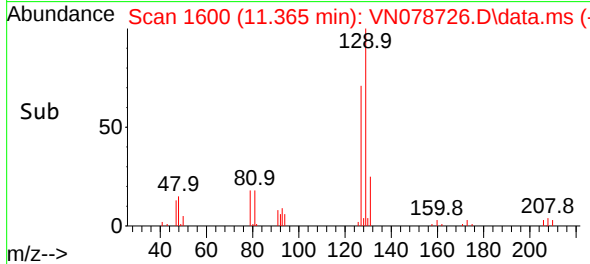
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023



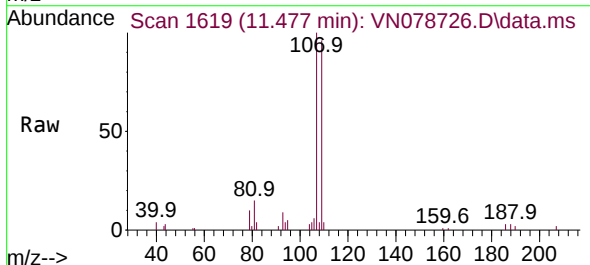
Tgt Ion:129 Resp: 3925
Ion Ratio Lower Upper
129 100
127 79.1 39.4 118.1

Manual Integrations
APPROVED

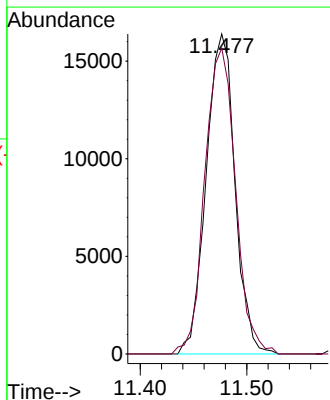
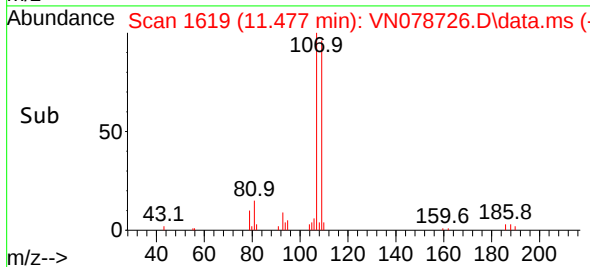
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

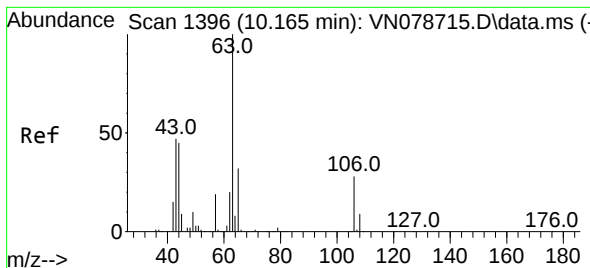


#54
1,2-Dibromoethane
Concen: 5.041 ug/l
RT: 11.477 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49



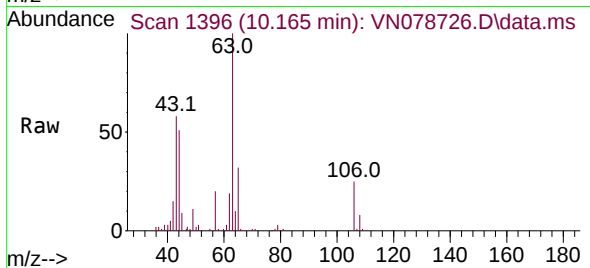
Tgt Ion:107 Resp: 30776
Ion Ratio Lower Upper
107 100
109 101.7 74.6 112.0





#55
2-Chloroethyl vinyl ether
Concen: 24.725 ug/l
RT: 10.165 min Scan# 1396
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

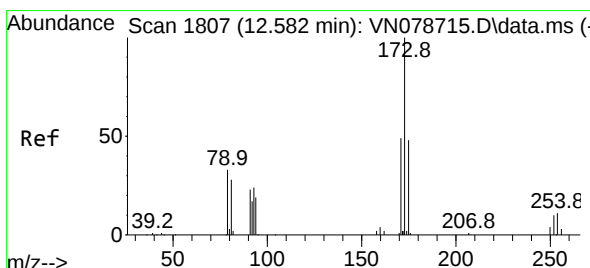
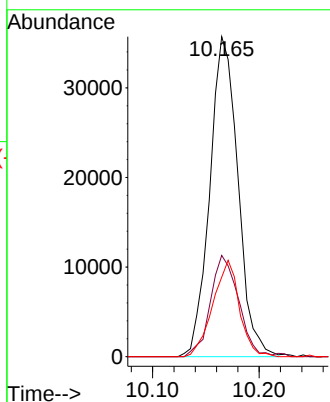
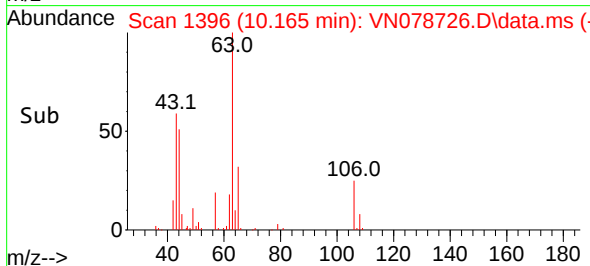
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023



Tgt Ion: 63 Resp: 65578
Ion Ratio Lower Upper
63 100
65 31.6 26.3 39.5
106 28.3 23.8 35.6

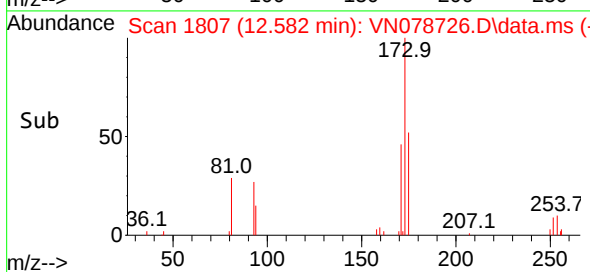
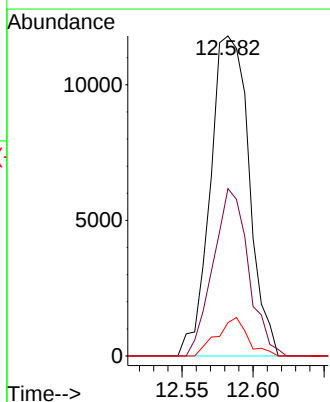
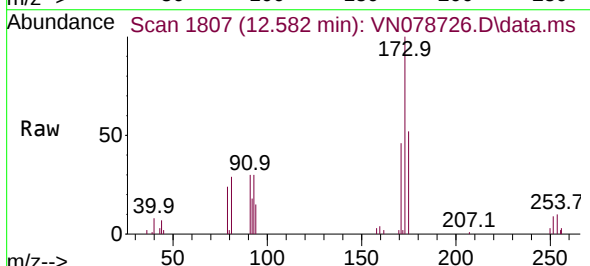
Manual Integrations
APPROVED

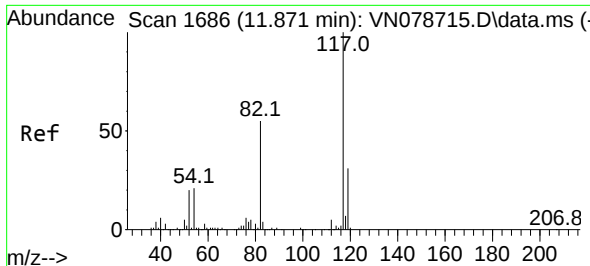
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#56
Bromoform
Concen: 4.980 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

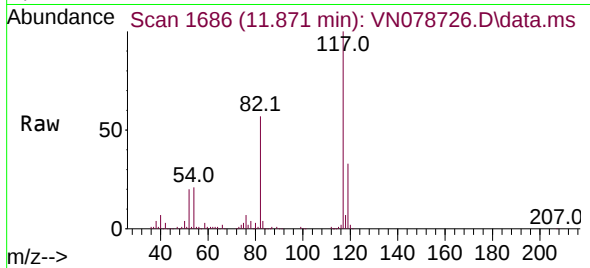
Tgt Ion:173 Resp: 22380
Ion Ratio Lower Upper
173 100
175 47.7 40.7 61.1
254 8.8 6.5 9.7





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

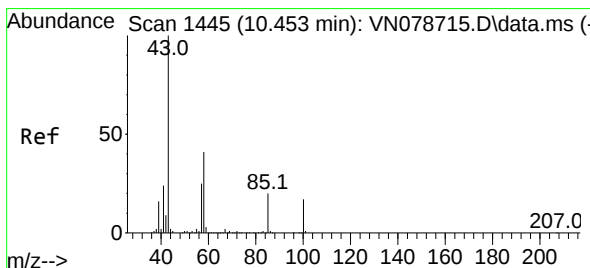
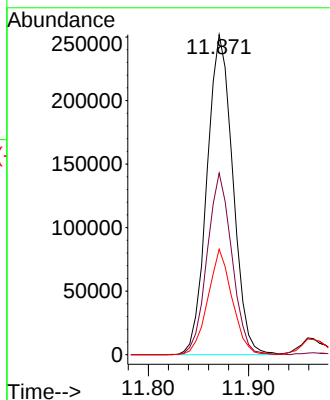
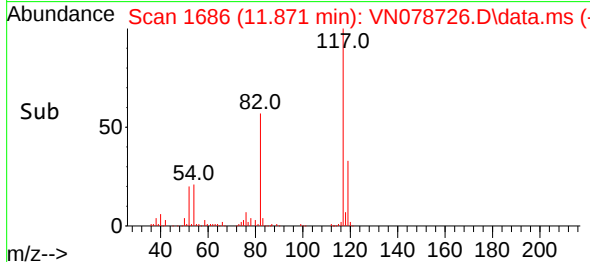
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



Tgt Ion: 117 Resp: 450772
Ion Ratio Lower Upper
117 100
82 54.5 43.9 65.9
119 31.0 26.2 39.4

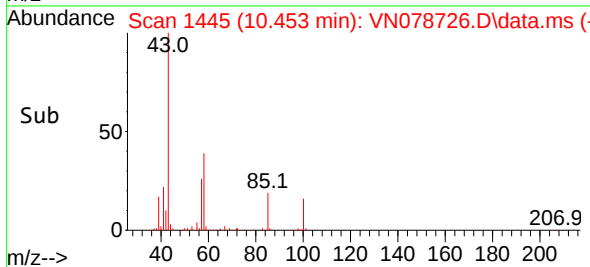
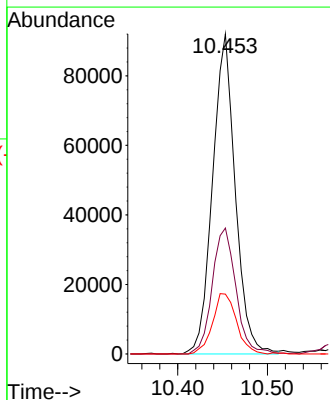
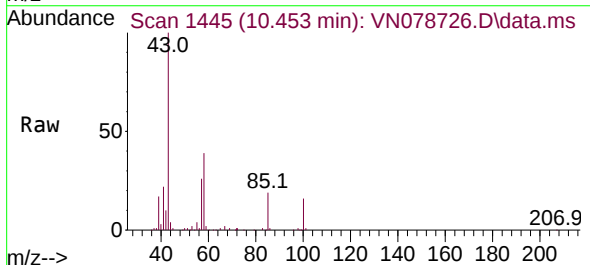
Manual Integrations
APPROVED

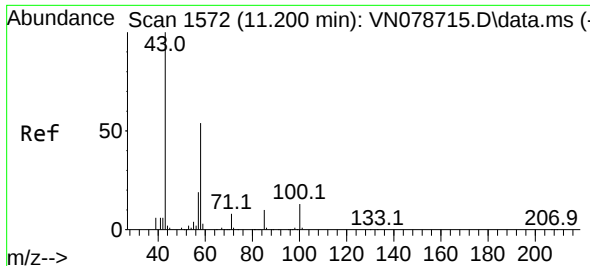
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#58
4-Methyl-2-Pentanone
Concen: 23.945 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

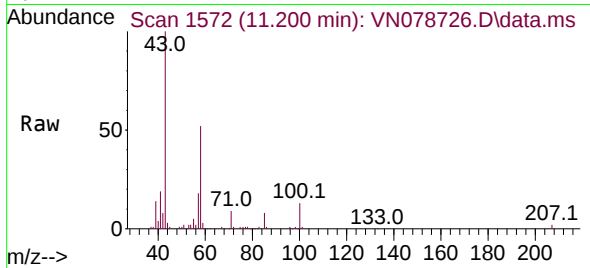
Tgt Ion: 43 Resp: 161560
Ion Ratio Lower Upper
43 100
58 41.1 32.6 48.8
85 19.9 16.2 24.2





#59
2-Hexanone
Concen: 22.112 ug/l
RT: 11.200 min Scan# 11296
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

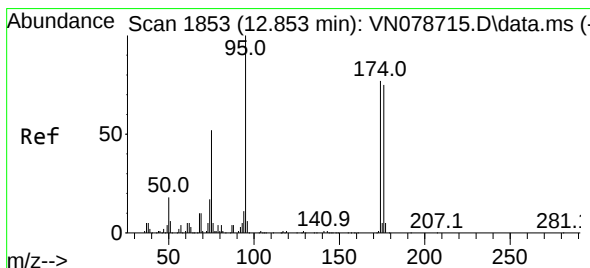
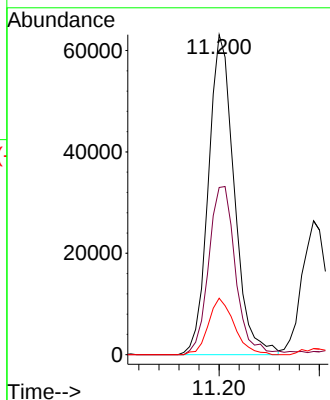
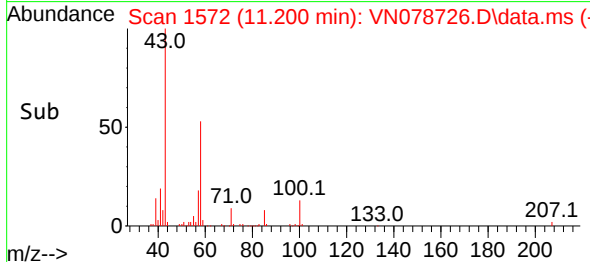
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023



Tgt Ion: 43 Resp: 11296
Ion Ratio Lower Upper
43 100
58 54.4 45.9 68.9
57 17.7 15.8 23.6

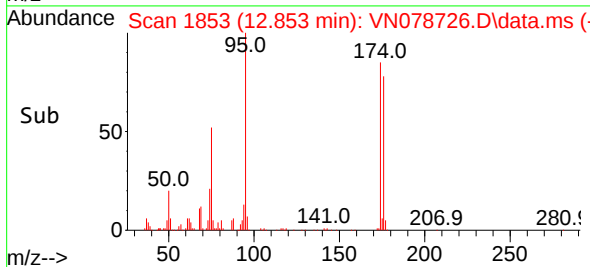
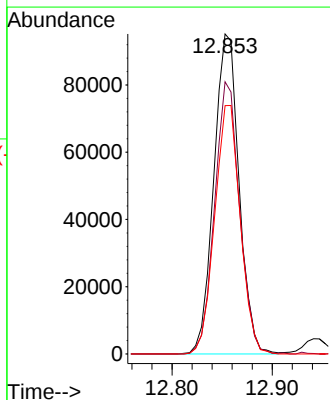
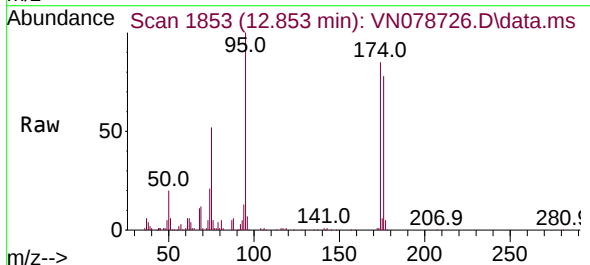
Manual Integrations
APPROVED

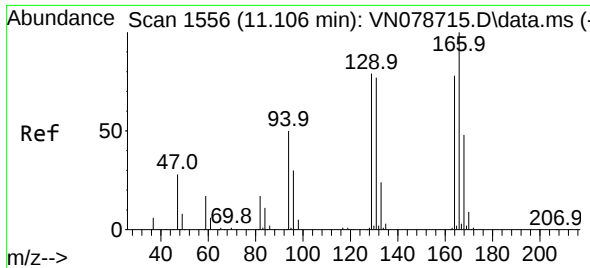
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#60
4-Bromofluorobenzene
Concen: 24.623 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

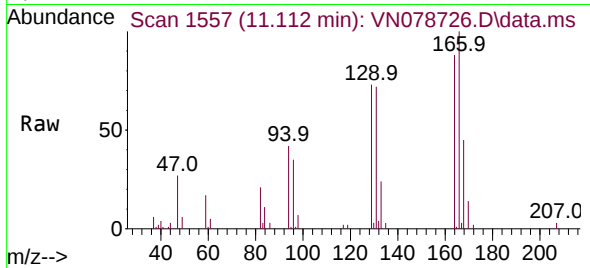
Tgt Ion: 95 Resp: 166337
Ion Ratio Lower Upper
95 100
174 83.7 61.7 92.5
176 78.8 58.1 87.1





#61
Tetrachloroethene
Concen: 4.579 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

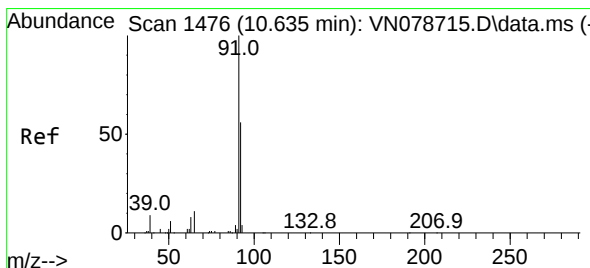
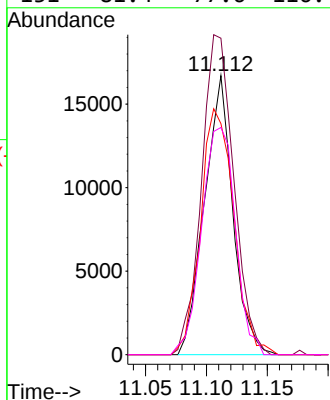
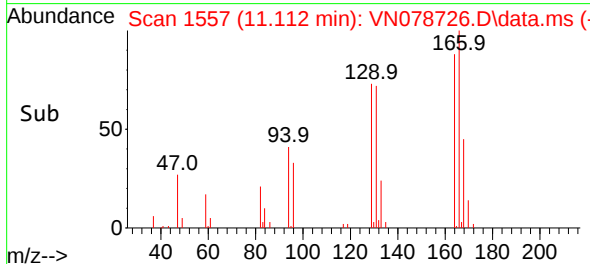
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023



Tgt Ion:164 Resp: 27144
Ion Ratio Lower Upper
164 100
166 113.4 99.1 148.7
129 82.7 85.6 128.4
131 81.4 77.6 116.4

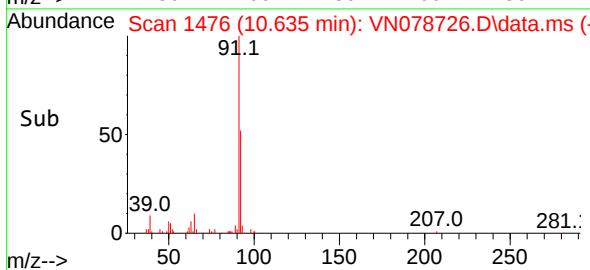
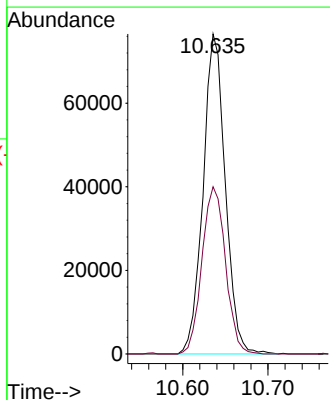
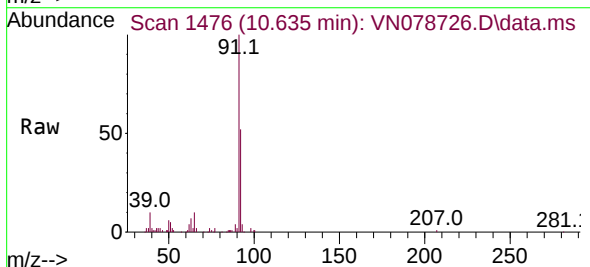
Manual Integrations
APPROVED

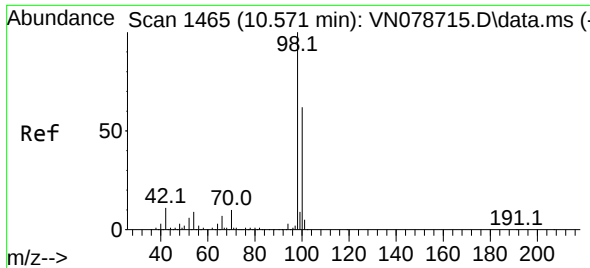
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#62
Toluene
Concen: 5.110 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Tgt Ion: 91 Resp: 138556
Ion Ratio Lower Upper
91 100
92 55.2 45.2 67.8





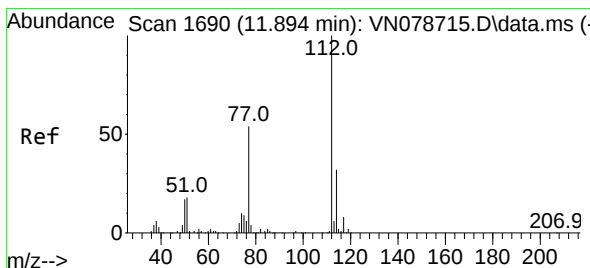
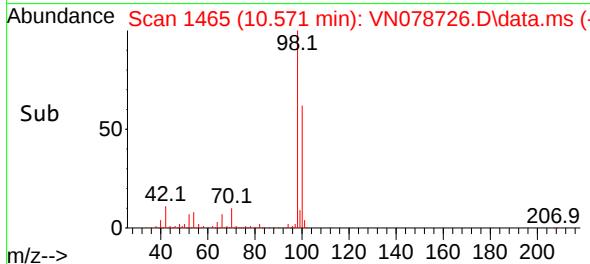
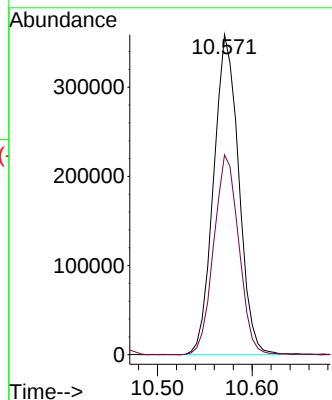
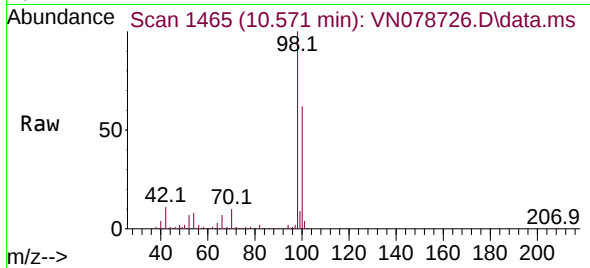
#63
Toluene-d8
Concen: 29.738 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023

Tgt Ion: 98 Resp: 662199
Ion Ratio Lower Upper
98 100
100 62.4 49.7 74.5

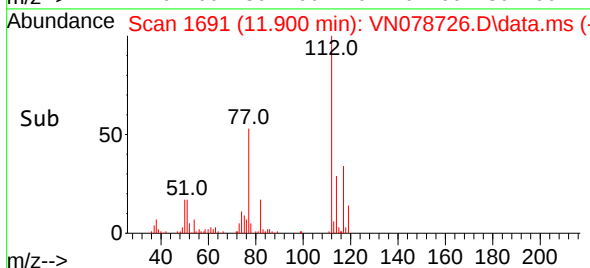
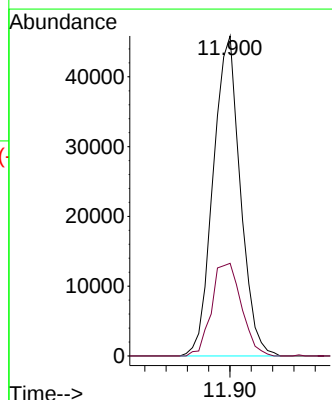
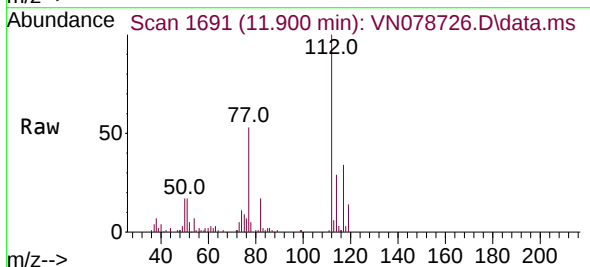
Manual Integrations
APPROVED

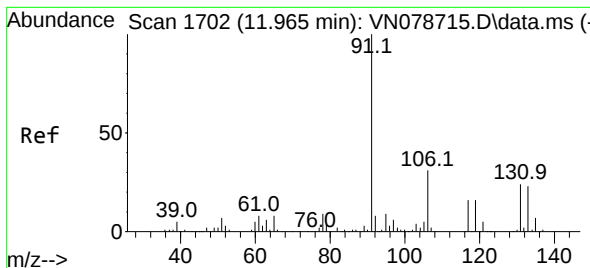
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#64
Chlorobenzene
Concen: 5.119 ug/l
RT: 11.900 min Scan# 1691
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

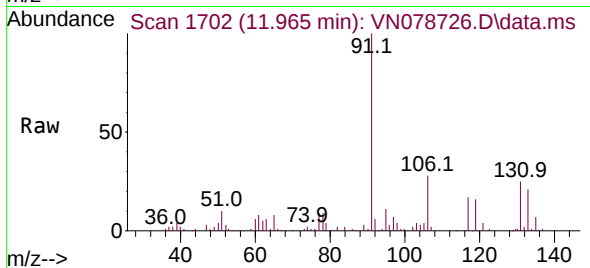
Tgt Ion:112 Resp: 81041
Ion Ratio Lower Upper
112 100
114 28.9 25.9 38.9





#65
1,1,1,2-Tetrachloroethane
Concen: 5.052 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

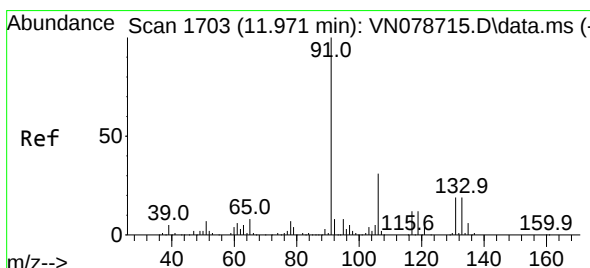
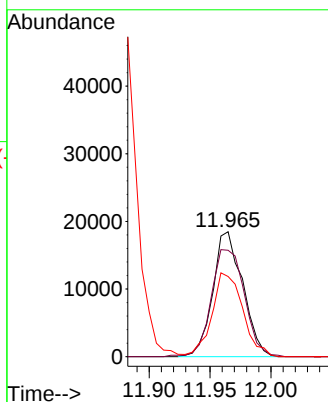
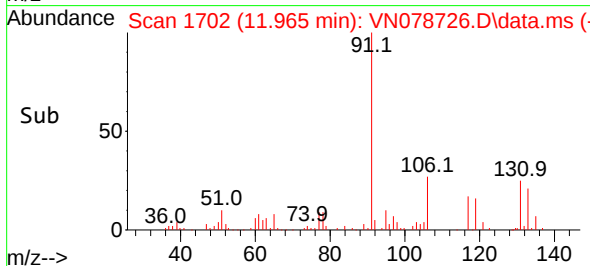
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023



Tgt Ion:131 Resp: 31540
Ion Ratio Lower Upper
131 100
133 94.6 0.0 191.8
119 69.0 0.0 132.0

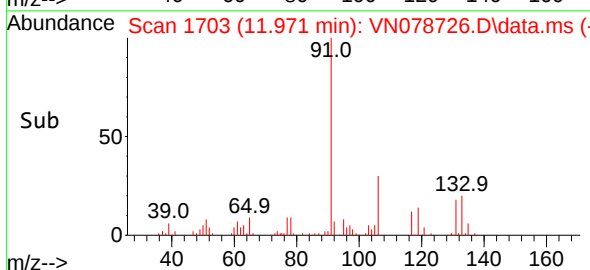
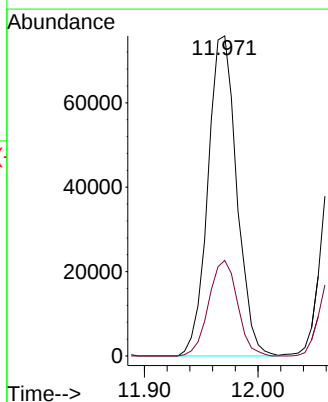
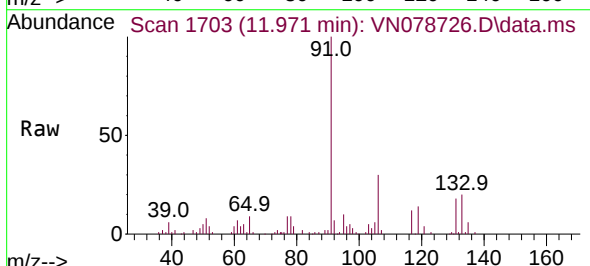
Manual Integrations
APPROVED

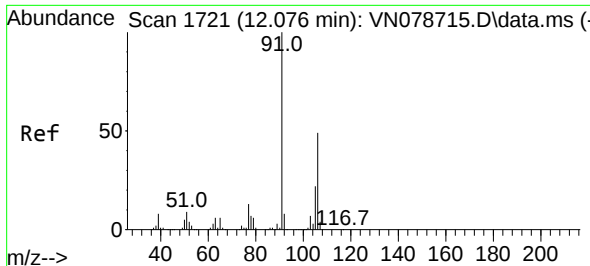
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#66
Ethyl Benzene
Concen: 4.895 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Tgt Ion: 91 Resp: 133764
Ion Ratio Lower Upper
91 100
106 29.8 25.6 38.4





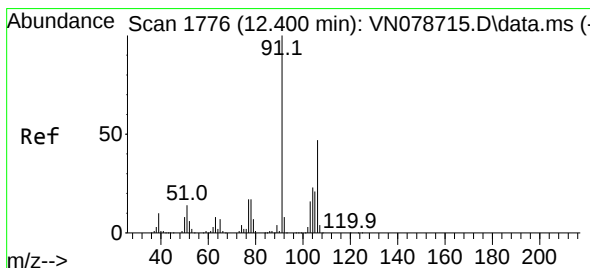
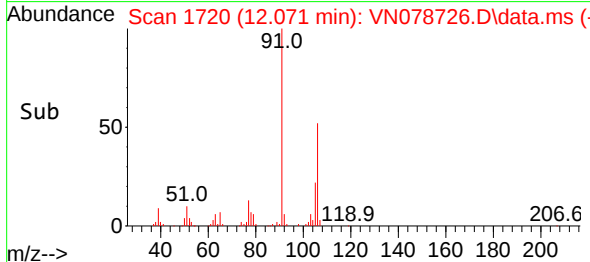
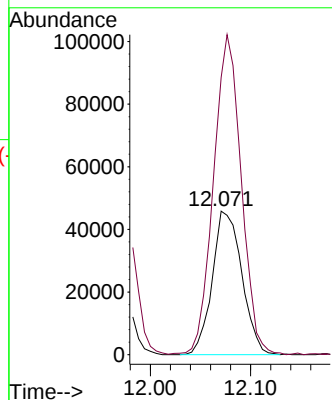
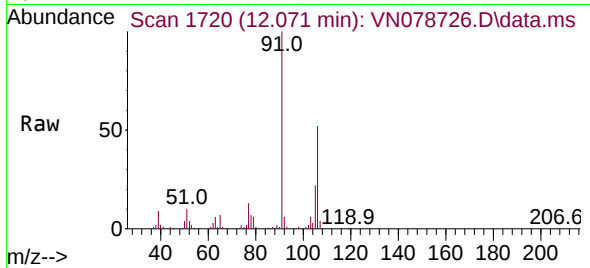
#67
m/p-Xylenes
Concen: 9.002 ug/l
RT: 12.071 min Scan# 1721
Delta R.T. -0.005 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023

Tgt Ion:106 Resp: 9397
Ion Ratio Lower Upper
106 100
91 209.4 162.5 243.7

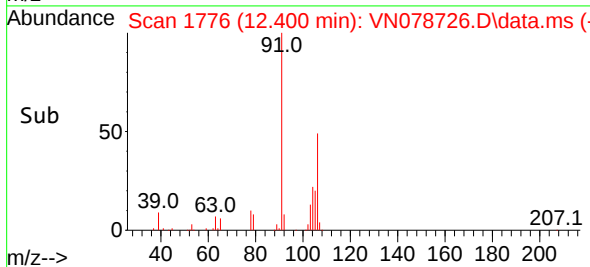
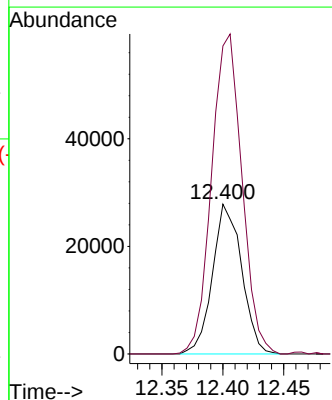
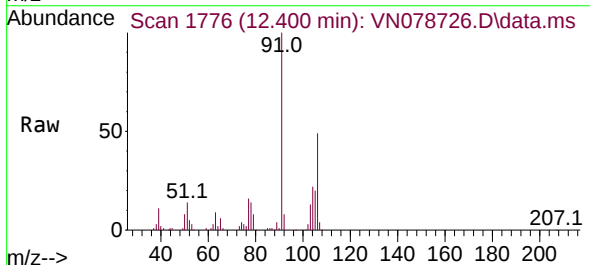
Manual Integrations
APPROVED

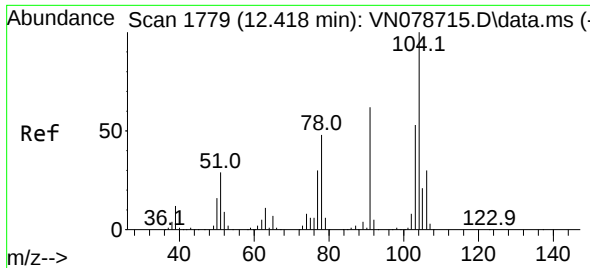
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#68
o-Xylene
Concen: 4.374 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Tgt Ion:106 Resp: 46456
Ion Ratio Lower Upper
106 100
91 221.9 106.1 318.3





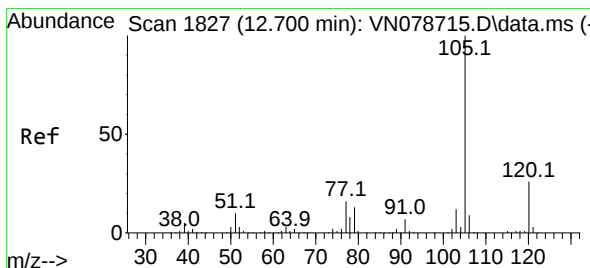
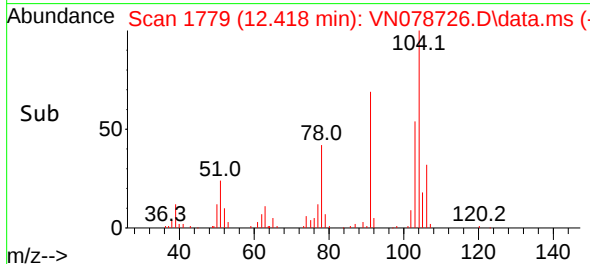
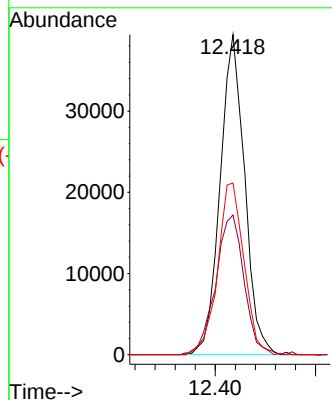
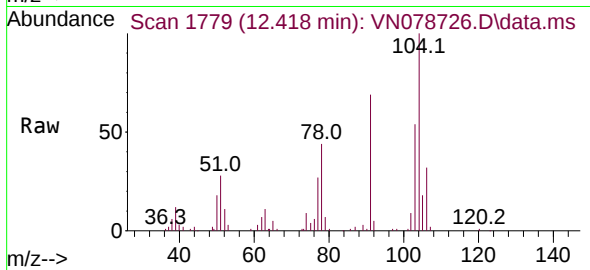
#69
Styrene
Concen: 3.915 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023

Tgt Ion:104 Resp: 6690
Ion Ratio Lower Upper
104 100
78 50.3 40.1 60.1
103 57.4 45.1 67.7

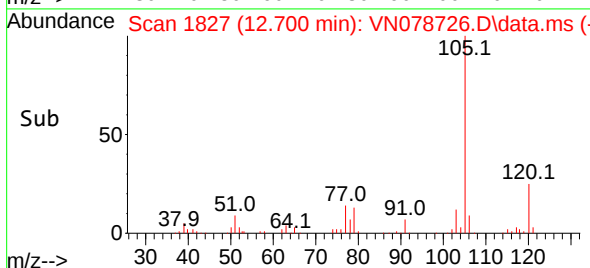
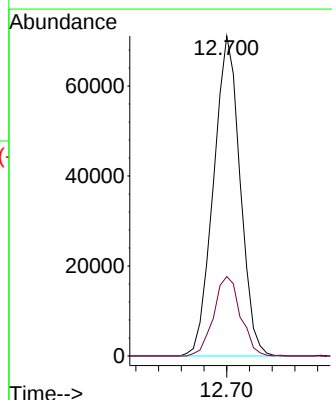
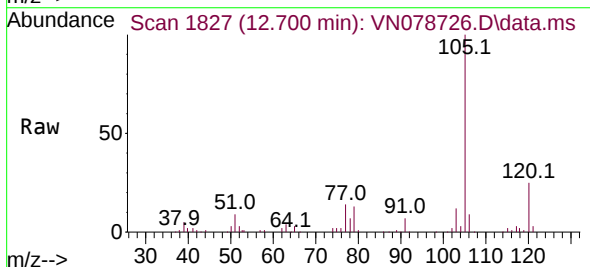
Manual Integrations
APPROVED

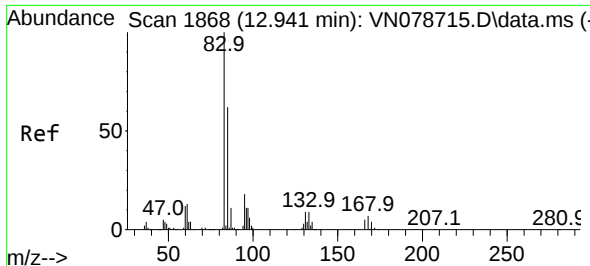
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#70
Isopropylbenzene
Concen: 4.406 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

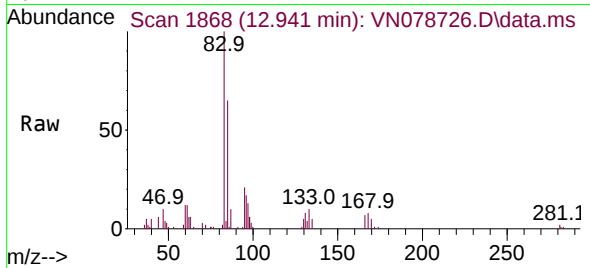
Tgt Ion:105 Resp: 115771
Ion Ratio Lower Upper
105 100
120 25.0 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 4.614 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

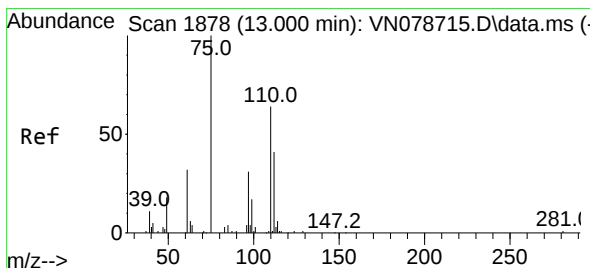
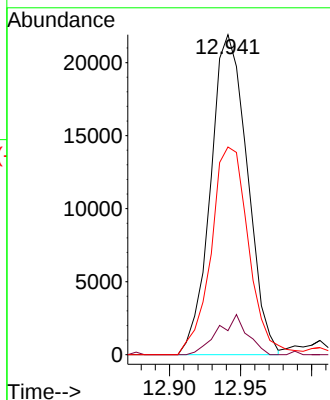
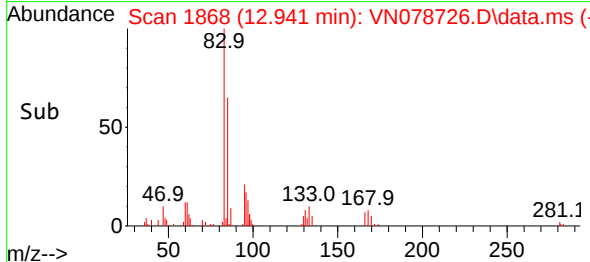
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023



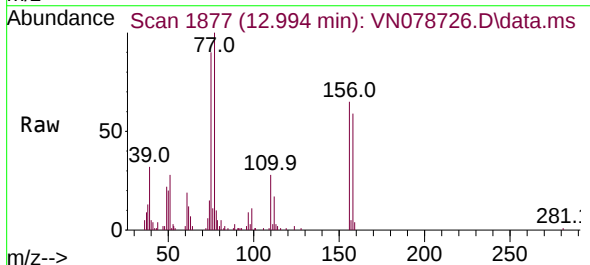
Tgt Ion: 83 Resp: 3938
Ion Ratio Lower Upper
83 100
131 10.0 4.8 14.4
85 66.4 32.6 98.0

Manual Integrations
APPROVED

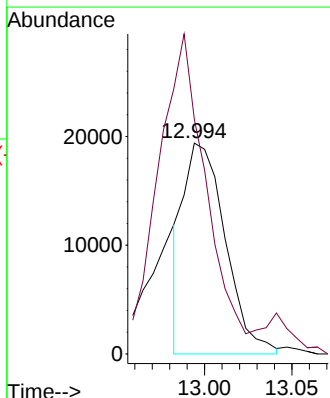
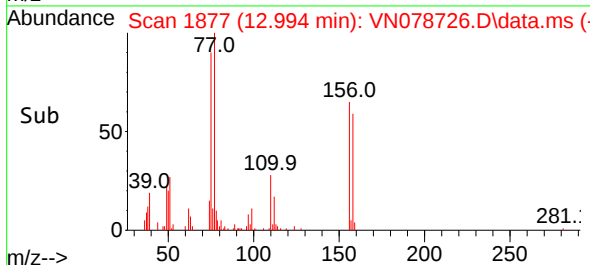
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

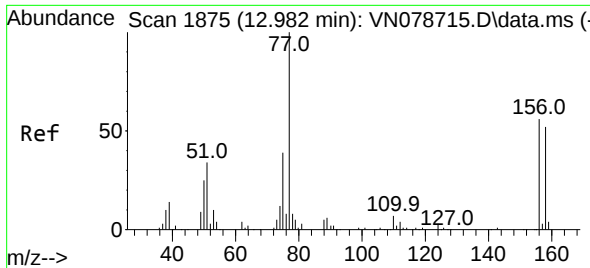


#72
1,2,3-Trichloropropane
Concen: 4.499 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49



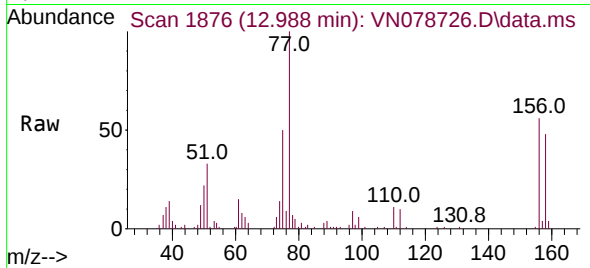
Tgt Ion: 75 Resp: 32212
Ion Ratio Lower Upper
75 100
77 175.3 0.0 387.4





#73
Bromobenzene
Concen: 4.639 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

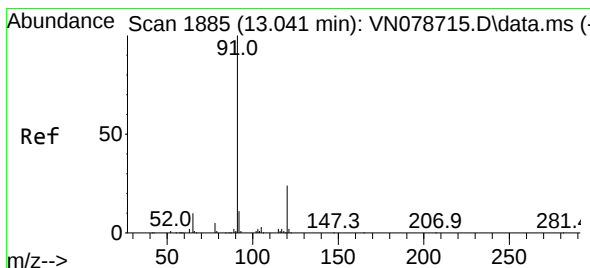
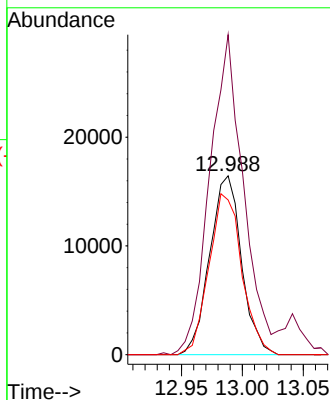
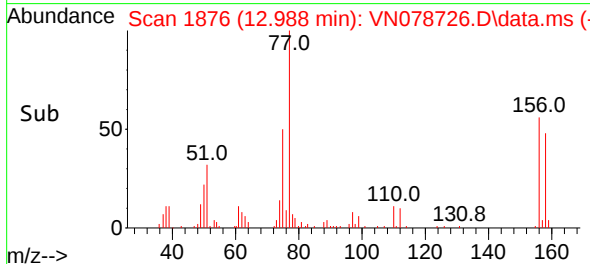
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



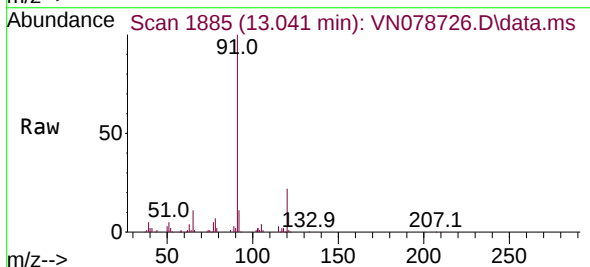
Tgt Ion:156 Resp: 29878
Ion Ratio Lower Upper
156 100
77 189.0 0.0 420.8
158 93.1 0.0 193.2

Manual Integrations
APPROVED

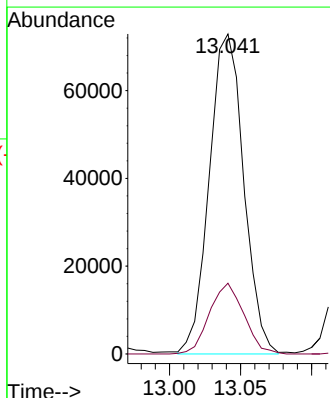
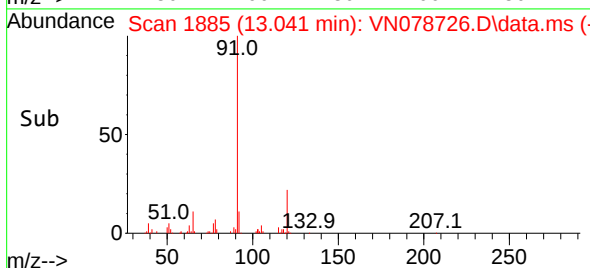
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

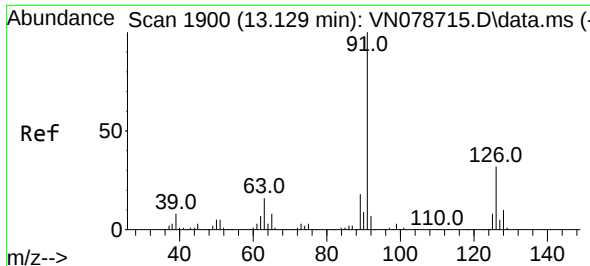


#74
n-propylbenzene
Concen: 4.220 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49



Tgt Ion: 91 Resp: 122895
Ion Ratio Lower Upper
91 100
120 22.1 0.0 44.6





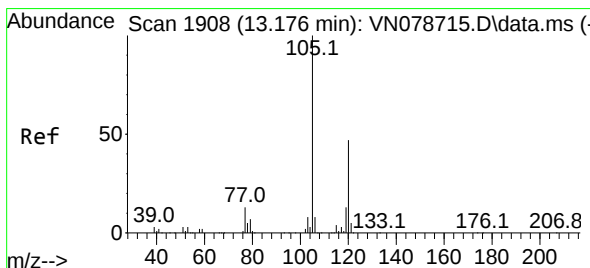
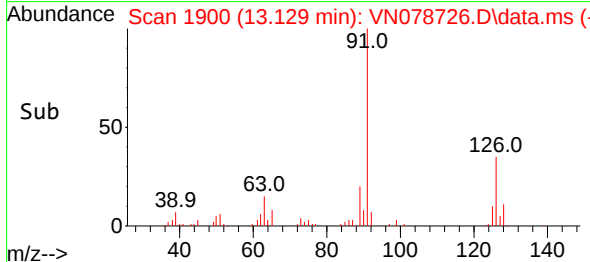
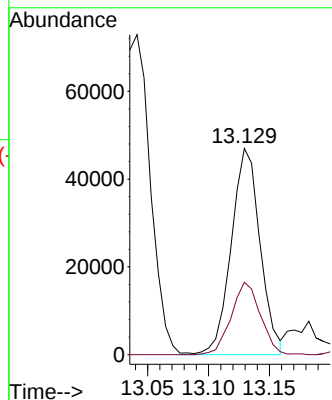
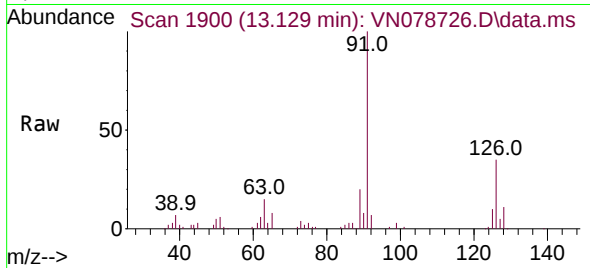
#75
2-Chlorotoluene
Concen: 3.857 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023

Tgt Ion: 91 Resp: 77574
Ion Ratio Lower Upper
91 100
126 35.4 0.0 67.2

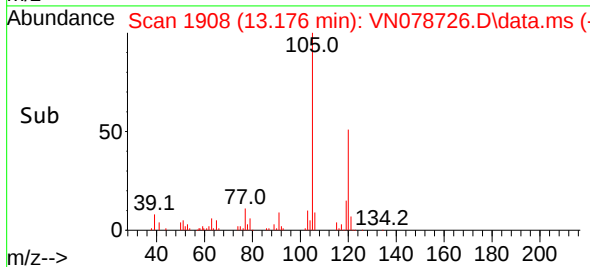
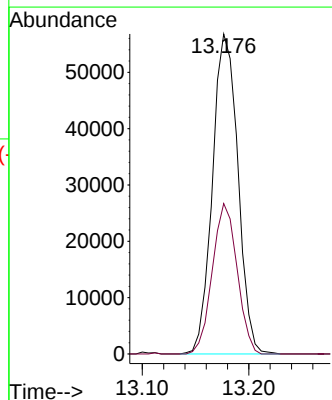
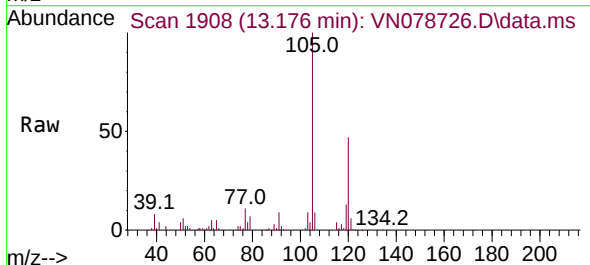
Manual Integrations
APPROVED

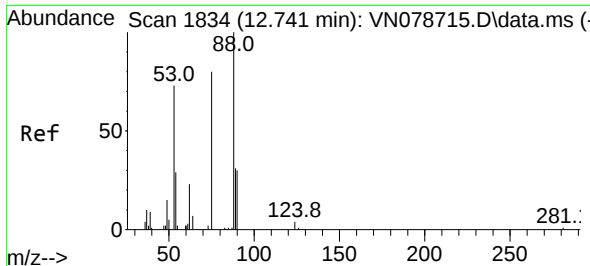
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#76
1,3,5-Trimethylbenzene
Concen: 4.015 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

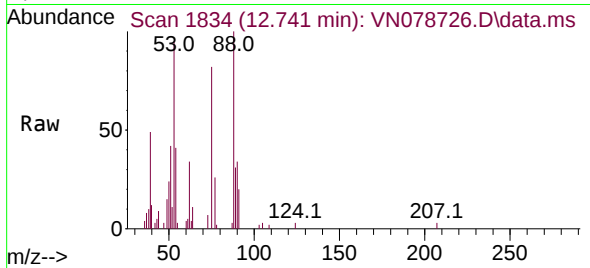
Tgt Ion:105 Resp: 94180
Ion Ratio Lower Upper
105 100
120 45.7 0.0 97.2





#77
t-1,4-Dichloro-2-butene
Concen: 3.951 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

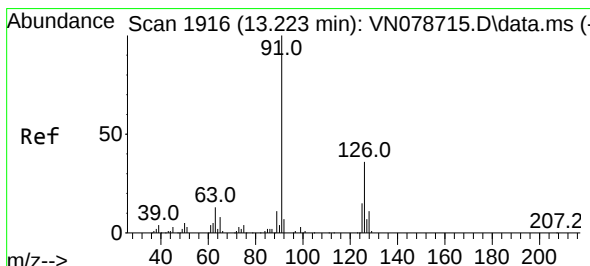
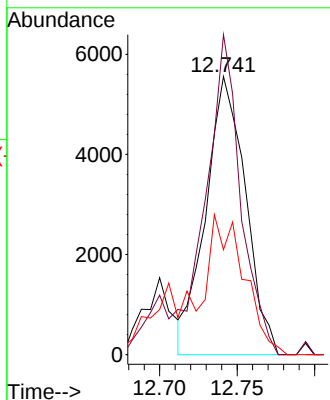
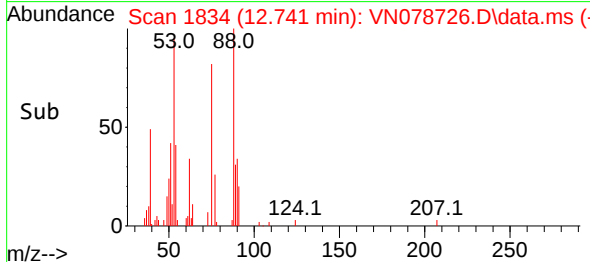
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023



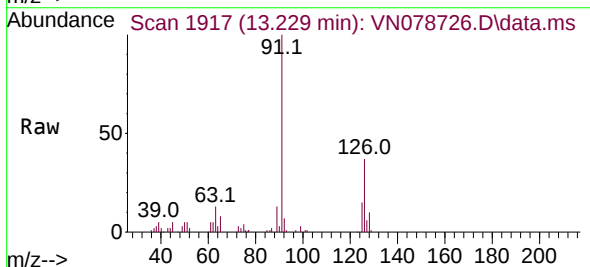
Tgt Ion: 75 Resp: 988
Ion Ratio Lower Upper
75 100
53 115.0 41.6 124.9
89 34.9 25.1 75.4

Manual Integrations
APPROVED

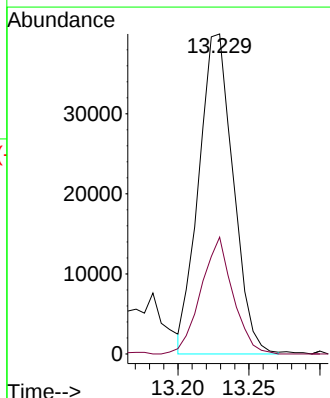
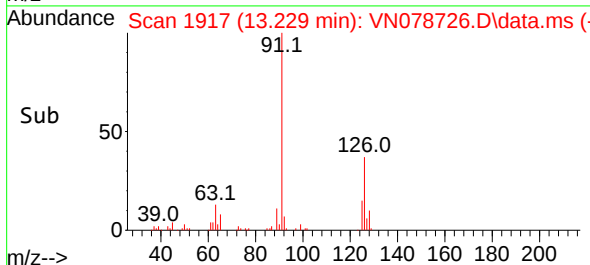
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

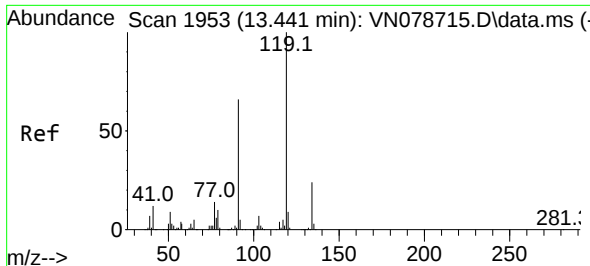


#78
4-Chlorotoluene
Concen: 3.472 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49



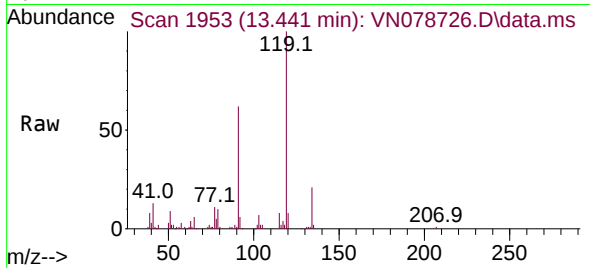
Tgt Ion: 91 Resp: 67429
Ion Ratio Lower Upper
91 100
126 33.9 0.0 68.8





#79
tert-butylbenzene
Concen: 4.001 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

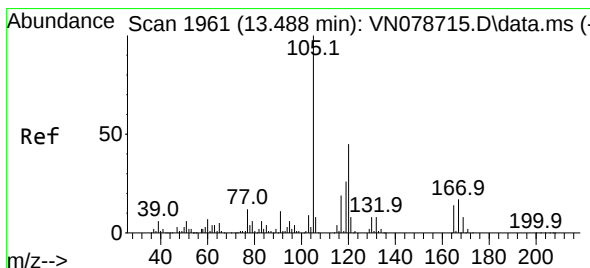
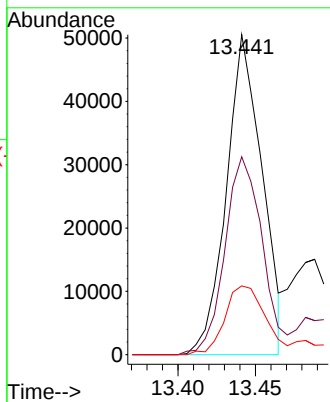
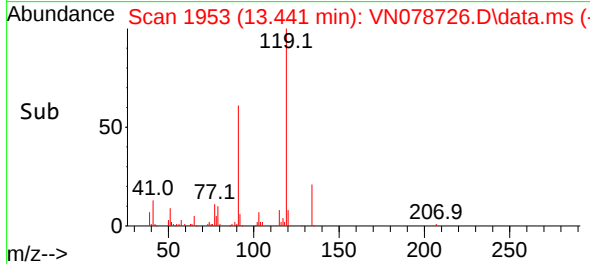
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT3-2023



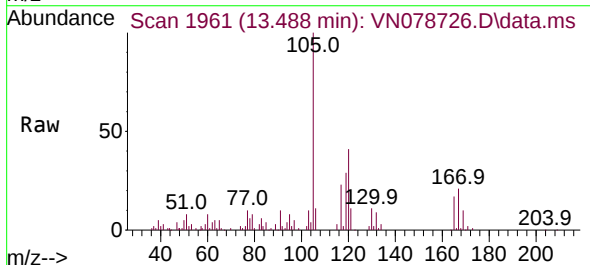
Tgt Ion:119 Resp: 80790
Ion Ratio Lower Upper
119 100
91 65.1 0.0 126.6
134 24.3 0.0 44.0

Manual Integrations
APPROVED

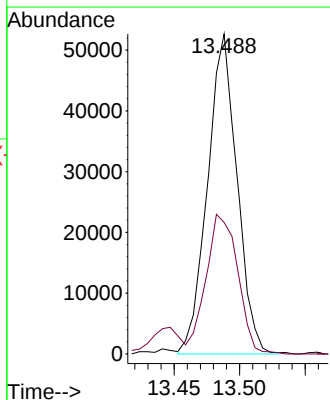
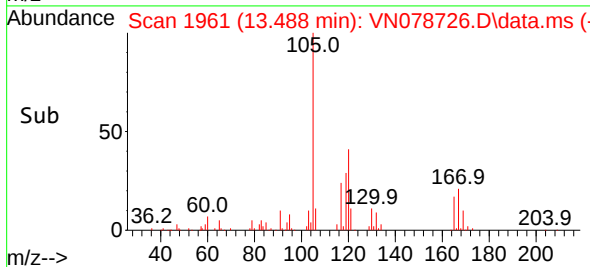
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

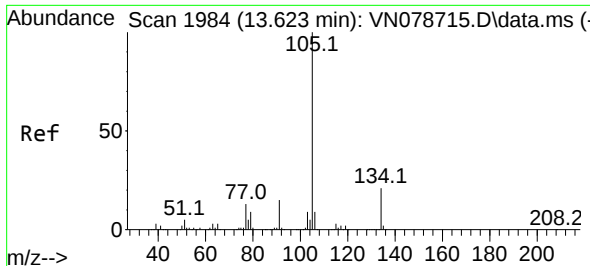


#80
1,2,4-Trimethylbenzene
Concen: 3.675 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49



Tgt Ion:105 Resp: 82341
Ion Ratio Lower Upper
105 100
120 46.9 0.0 88.2





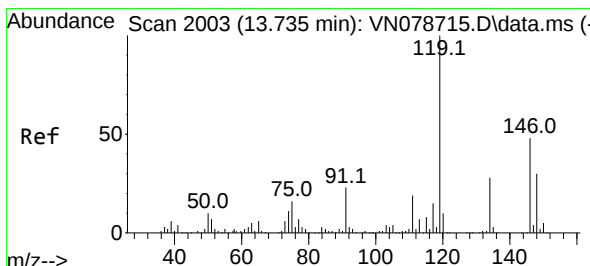
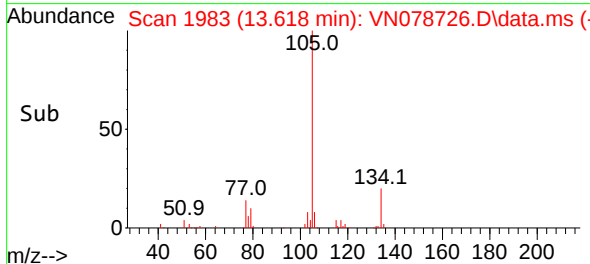
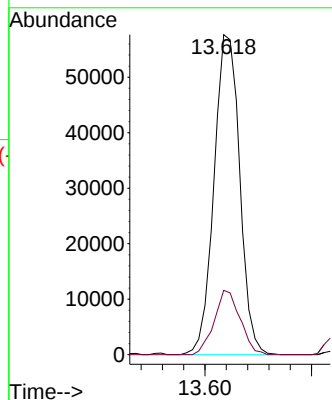
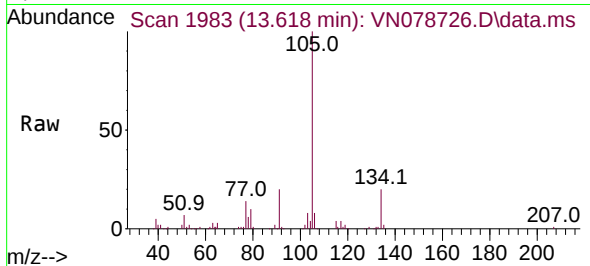
#81
 sec-Butylbenzene
 Concen: 3.726 ug/l
 RT: 13.618 min Scan# 1984
 Delta R.T. -0.005 min
 Lab File: VN078726.D
 Acq: 01 Aug 2023 19:49

Instrument : MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2023

Tgt Ion:105 Resp: 96419
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 38.6

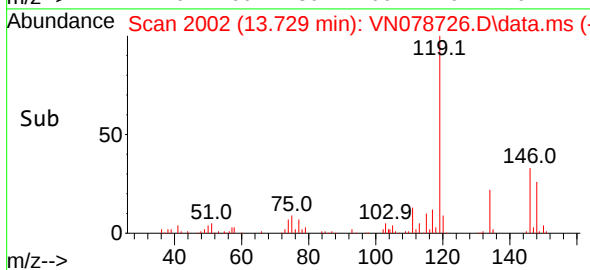
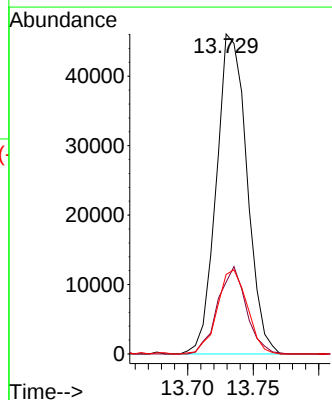
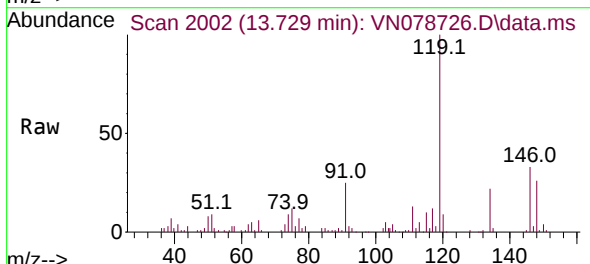
Manual Integrations
 APPROVED

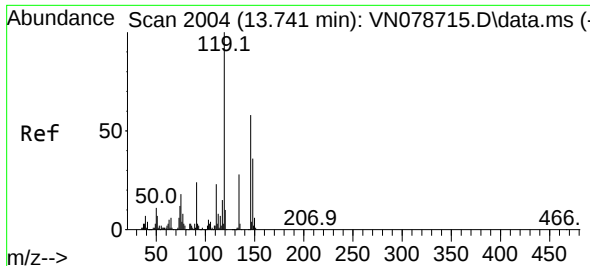
Reviewed By :John Carlone 08/02/2023
 Supervised By :Mahesh Dadoda 08/02/2023



#82
 p-Isopropyltoluene
 Concen: 3.515 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: VN078726.D
 Acq: 01 Aug 2023 19:49

Tgt Ion:119 Resp: 74684
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 52.4
 91 25.8 0.0 48.2





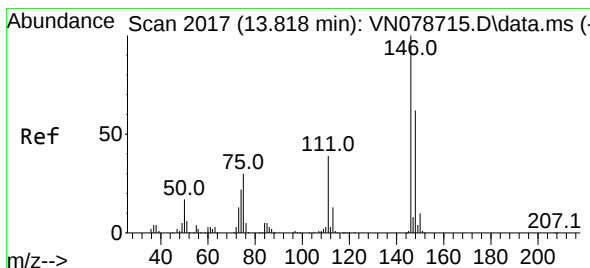
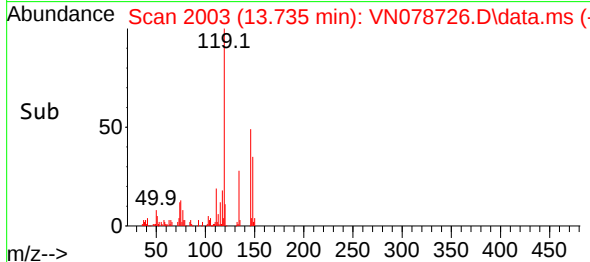
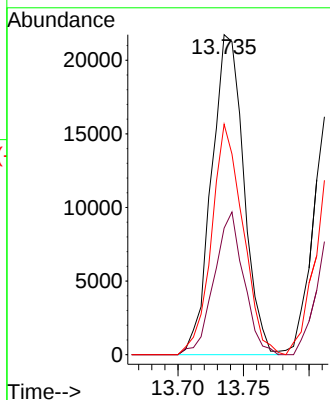
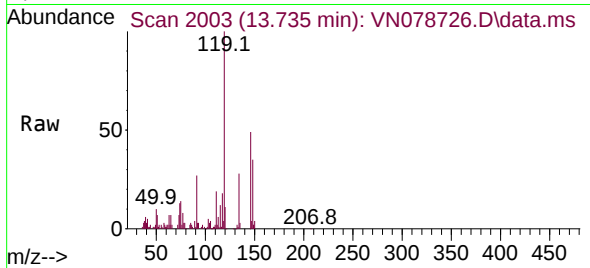
#83
1,3-Dichlorobenzene
Concen: 3.255 ug/l
RT: 13.735 min Scan# 2004
Delta R.T. -0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023

Tgt Ion:146 Resp: 37172
Ion Ratio Lower Upper
146 100
111 41.0 21.6 64.6
148 70.0 31.9 95.5

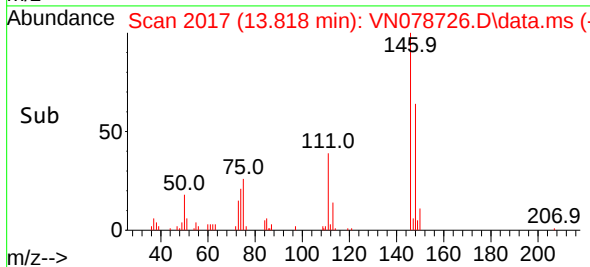
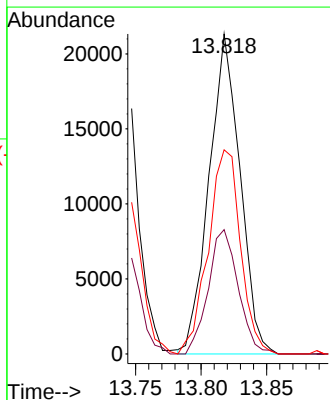
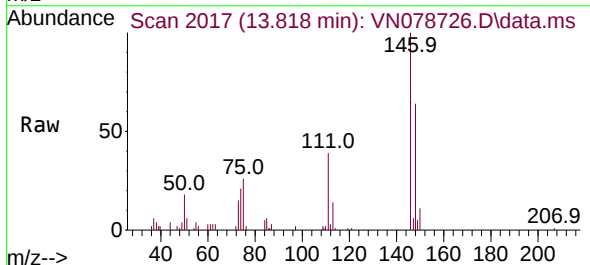
Manual Integrations
APPROVED

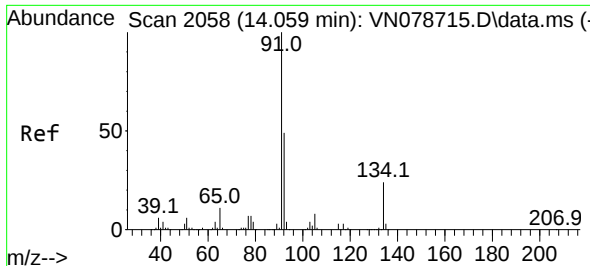
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#84
1,4-Dichlorobenzene
Concen: 3.278 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Tgt Ion:146 Resp: 35048
Ion Ratio Lower Upper
146 100
111 37.6 19.4 58.2
148 66.5 31.4 94.3





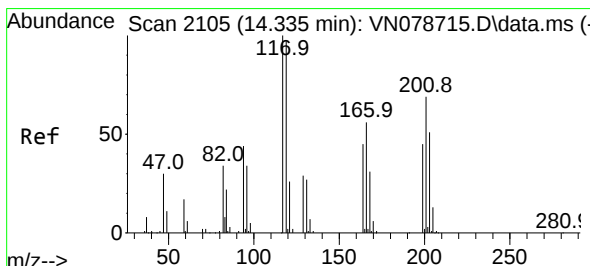
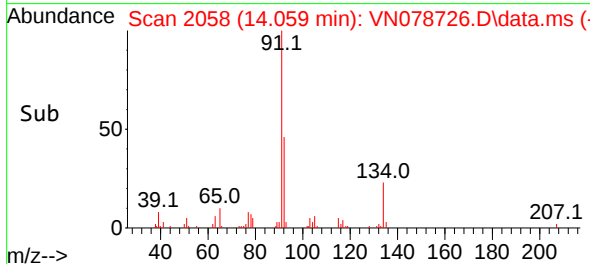
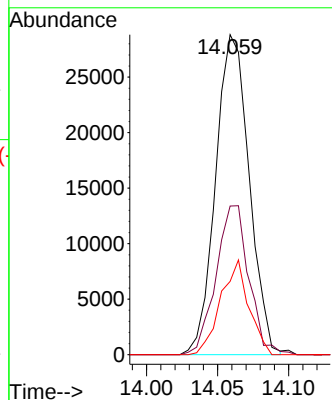
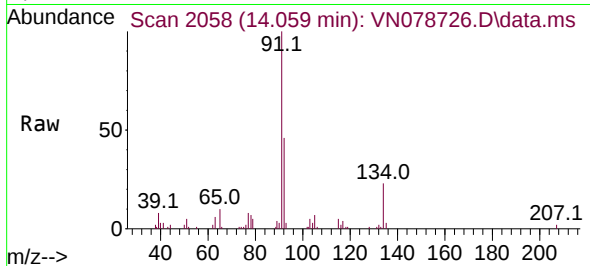
#85
n-Butylbenzene
Concen: 3.215 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023

Tgt Ion: 91 Resp: 47364
Ion Ratio Lower Upper
91 100
92 44.6 0.0 99.6
134 24.9 0.0 50.0

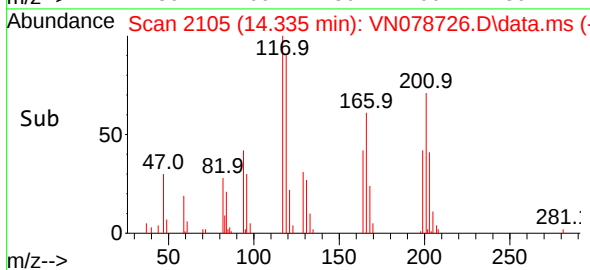
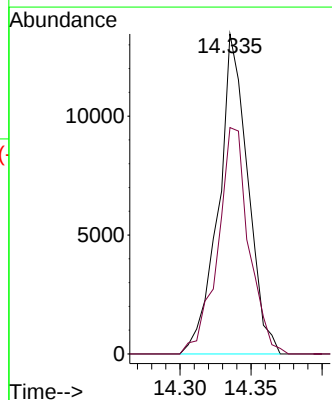
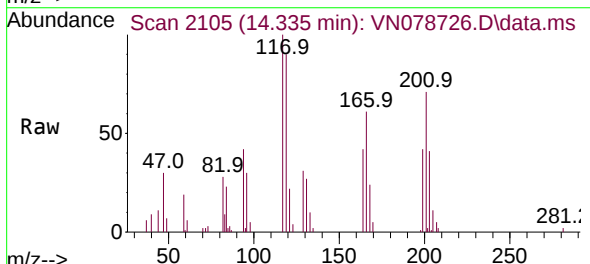
Manual Integrations
APPROVED

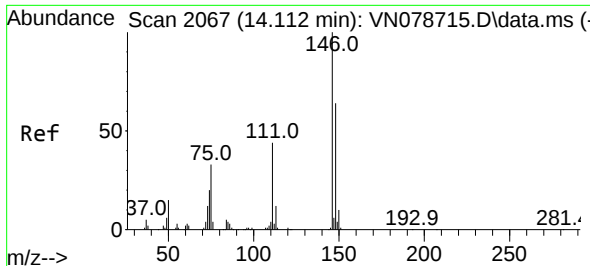
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#86
Hexachloroethane
Concen: 4.977 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

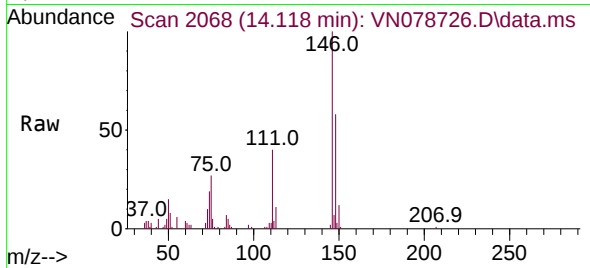
Tgt Ion:117 Resp: 19269
Ion Ratio Lower Upper
117 100
201 74.9 34.2 102.6





#87
 1,2-Dichlorobenzene
 Concen: 3.608 ug/l
 RT: 14.118 min Scan# 2067
 Delta R.T. 0.006 min
 Lab File: VN078726.D
 Acq: 01 Aug 2023 19:49

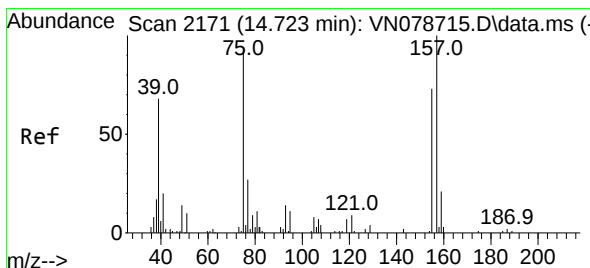
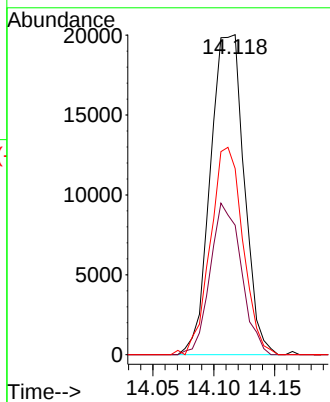
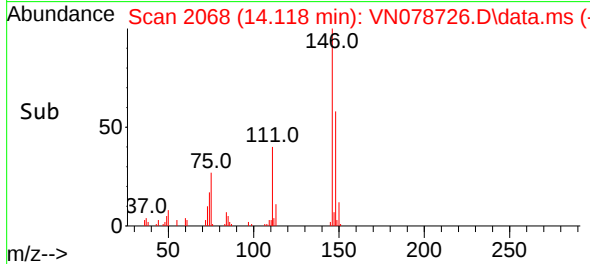
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2023



Tgt Ion:146 Resp: 38570
 Ion Ratio Lower Upper
 146 100
 111 43.6 22.4 67.3
 148 62.4 33.4 100.1

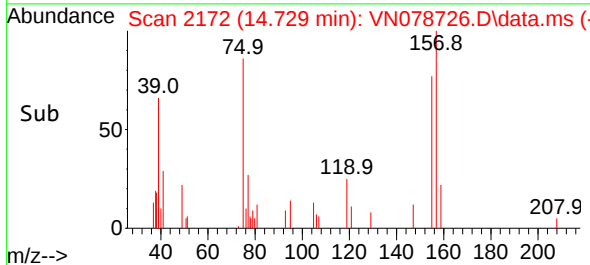
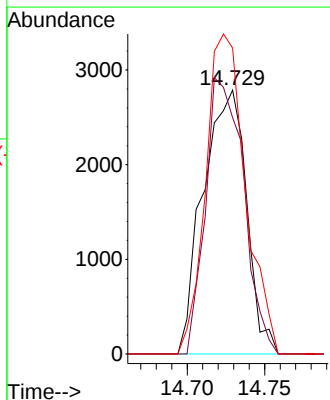
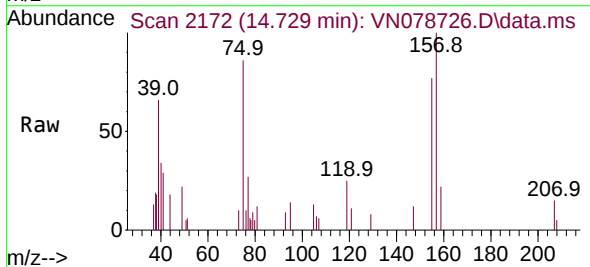
Manual Integrations
 APPROVED

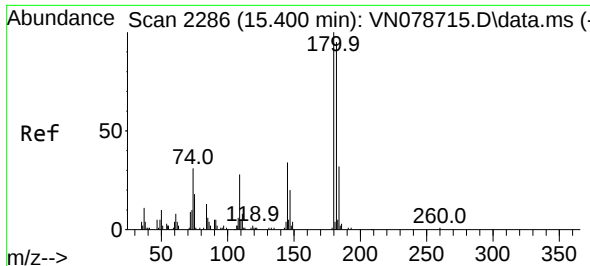
Reviewed By :John Carlone 08/02/2023
 Supervised By :Mahesh Dadoda 08/02/2023



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 3.727 ug/l
 RT: 14.729 min Scan# 2172
 Delta R.T. 0.006 min
 Lab File: VN078726.D
 Acq: 01 Aug 2023 19:49

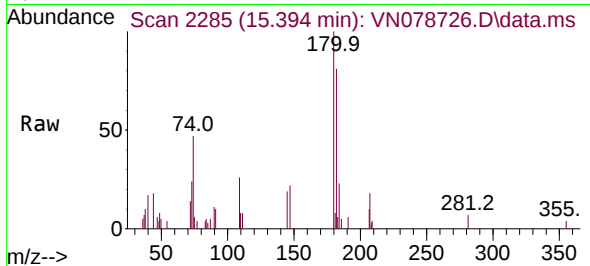
Tgt Ion: 75 Resp: 5402
 Ion Ratio Lower Upper
 75 100
 155 92.3 68.2 102.2
 157 111.3 84.7 127.1





#89
1,2,4-Trichlorobenzene
Concen: 2.557 ug/l m
RT: 15.394 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

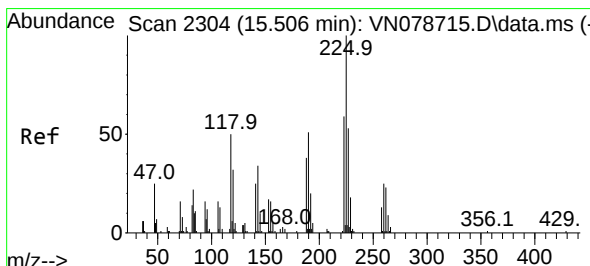
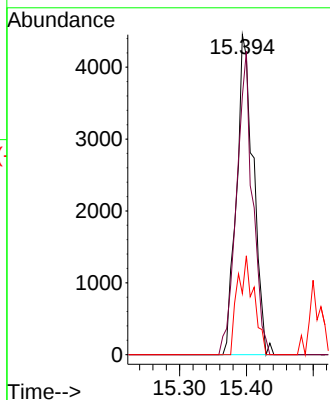
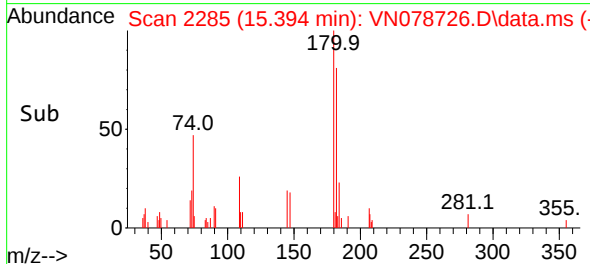
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



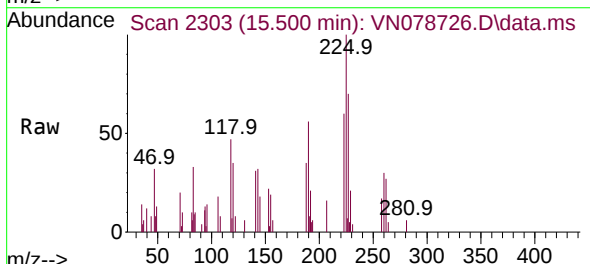
Tgt Ion:180 Resp: 7799
Ion Ratio Lower Upper
180 100
182 116.1 73.7 110.5
145 41.1 25.0 37.6

Manual Integrations
APPROVED

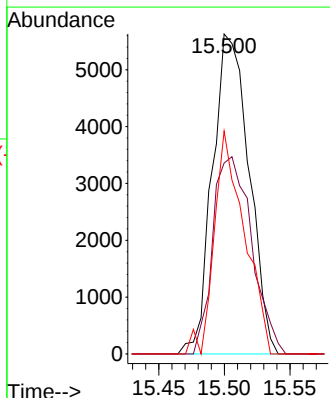
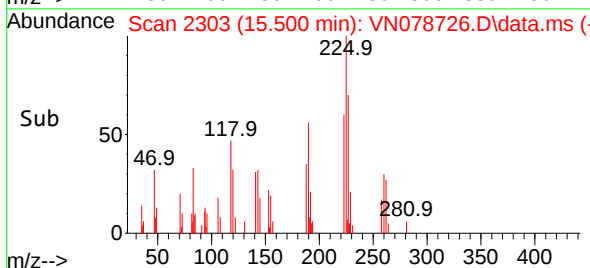
Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023

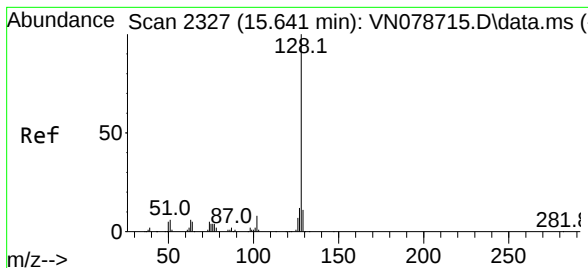


#90
Hexachlorobutadiene
Concen: 4.702 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49



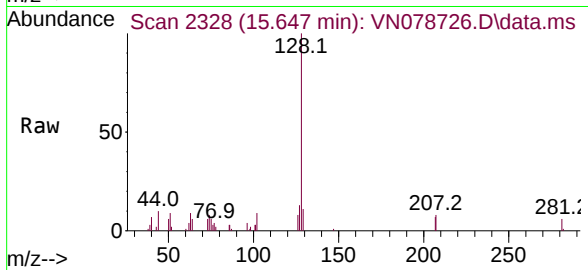
Tgt Ion:225 Resp: 10924
Ion Ratio Lower Upper
225 100
223 65.4 0.0 130.0
227 56.0 0.0 124.0





#91
Naphthalene
Concen: 2.672 ug/l
RT: 15.647 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49

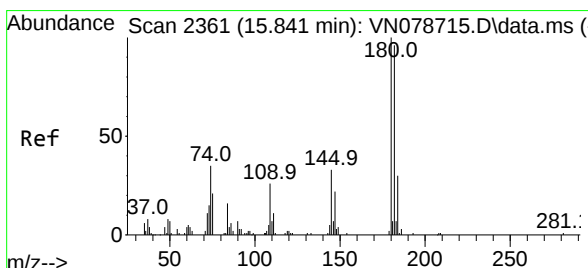
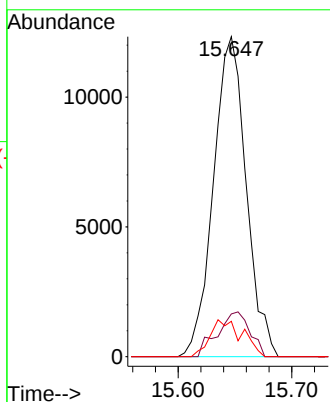
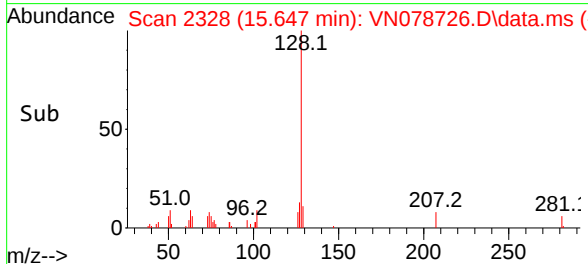
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2023



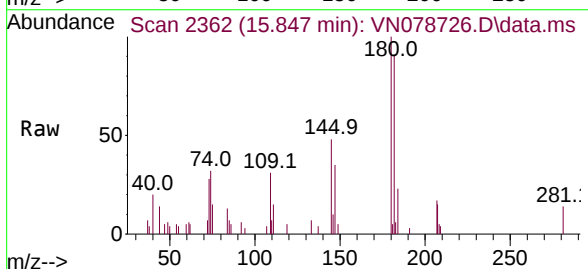
Tgt Ion:128 Resp: 24689
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.2
129 8.7 9.0 13.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/02/2023
Supervised By :Mahesh Dadoda 08/02/2023



#92
1,2,3-Trichlorobenzene
Concen: 2.987 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN078726.D
Acq: 01 Aug 2023 19:49



Tgt Ion:180 Resp: 10367
Ion Ratio Lower Upper
180 100
182 87.3 0.0 196.4
145 30.9 0.0 71.0

