

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022123\
 Data File : VN076759.D
 Acq On : 21 Feb 2023 18:48
 Operator : JC\MD
 Sample : 01627-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2023

Quant Time: Feb 22 04:14:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021323W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 14 01:44:47 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/22/2023
 Supervised By : Mahesh Dadoda 02/22/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	253119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	464127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	389260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	147167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	192896	55.189	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	110.380%		
35) Dibromofluoromethane	8.172	113	149523	49.194	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.380%		
50) Toluene-d8	10.571	98	554018	48.807	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.620%		
62) 4-Bromofluorobenzene	12.854	95	155512	41.365	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.720%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.137	85	1633	0.608	ug/l	97
3) Chloromethane	2.378	50	3168	0.903	ug/l	98
4) Vinyl Chloride	2.531	62	3492	1.012	ug/l	95
5) Bromomethane	2.966	94	3493	1.670	ug/l #	66
6) Chloroethane	3.137	64	2745	1.259	ug/l #	85
7) Trichlorofluoromethane	3.513	101	3996	0.851	ug/l #	76
8) Diethyl Ether	3.984	74	1830	1.011	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.389	101	2266m	0.821	ug/l	
10) Methyl Iodide	4.607	142	2459	0.722	ug/l #	86
11) Tert butyl alcohol	5.519	59	2542m	5.510	ug/l	
12) 1,1-Dichloroethene	4.360	96	2263m	0.866	ug/l	
13) Acrolein	4.195	56	2840	4.100	ug/l #	81
14) Allyl chloride	5.048	41	4091m	0.904	ug/l	
15) Acrylonitrile	5.731	53	8484	5.182	ug/l	90
16) Acetone	4.448	43	7443	4.767	ug/l	94
17) Carbon Disulfide	4.731	76	6124	0.888	ug/l #	73
18) Methyl Acetate	5.036	43	4951m	0.972	ug/l	
19) Methyl tert-butyl Ether	5.819	73	8221m	0.933	ug/l	
20) Methylene Chloride	5.289	84	4914	1.502	ug/l #	64
21) trans-1,2-Dichloroethene	5.807	96	2614	0.889	ug/l #	67
22) Diisopropyl ether	6.689	45	8721	0.821	ug/l #	75
23) Vinyl Acetate	6.613	43	28448	4.528	ug/l	97
24) 1,1-Dichloroethane	6.589	63	5508	0.947	ug/l #	81
25) 2-Butanone	7.495	43	10918	4.741	ug/l #	82
26) 2,2-Dichloropropane	7.495	77	4076	0.971	ug/l #	63
27) cis-1,2-Dichloroethene	7.477	96	2826	0.810	ug/l #	65
28) Bromochloromethane	7.813	49	2084	0.752	ug/l #	94
29) Tetrahydrofuran	7.860	42	7487	4.976	ug/l #	76
30) Chloroform	7.977	83	4954	0.852	ug/l	95
31) Cyclohexane	8.260	56	6765m	1.234	ug/l	
32) 1,1,1-Trichloroethane	8.172	97	4765	0.975	ug/l #	23
36) 1,1-Dichloropropene	8.383	75	3823	0.871	ug/l	97
37) Ethyl Acetate	7.566	43	4364	0.944	ug/l #	76
38) Carbon Tetrachloride	8.366	117	4182	0.944	ug/l #	74
39) Methylcyclohexane	9.601	83	4121	0.826	ug/l #	87
40) Benzene	8.613	78	11493	0.852	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	2509	0.937	ug/l #	83
42) 1,2-Dichloroethane	8.671	62	5497	1.169	ug/l	97
43) Isopropyl Acetate	8.701	43	6687	0.889	ug/l #	63
44) Trichloroethene	9.348	130	3115	0.977	ug/l	67
45) 1,2-Dichloropropane	9.624	63	3205	0.898	ug/l #	88
46) Dibromomethane	9.707	93	2187	0.958	ug/l #	84
47) Bromodichloromethane	9.895	83	3581	0.783	ug/l #	91
48) Methyl methacrylate	9.683	41	3486	0.977	ug/l	90
49) 1,4-Dioxane	9.707	88	1259m	20.400	ug/l	
51) 4-Methyl-2-Pentanone	10.448	43	18951	3.962	ug/l	99
52) Toluene	10.636	92	7395	0.908	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	3341	0.756	ug/l	94
54) cis-1,3-Dichloropropene	10.307	75	3873	0.760	ug/l #	81
55) 1,1,2-Trichloroethane	11.018	97	3216	0.971	ug/l #	84
56) Ethyl methacrylate	10.871	69	3670	0.788	ug/l #	86
57) 1,3-Dichloropropane	11.165	76	4949	0.870	ug/l	95
58) 2-Chloroethyl Vinyl ether	10.166	63	8944	4.191	ug/l #	88
59) 2-Hexanone	11.201	43	14421	4.181	ug/l	91
60) Dibromochloromethane	11.360	129	2735	0.784	ug/l	93
61) 1,2-Dibromoethane	11.477	107	2537	0.766	ug/l	86
64) Tetrachloroethene	11.107	164	2300	0.938	ug/l #	69
65) Chlorobenzene	11.895	112	7215	0.875	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.960	131	2693	0.899	ug/l #	64
67) Ethyl Benzene	11.960	91	12648	0.900	ug/l #	87
68) m/p-Xylenes	12.071	106	8277	1.528	ug/l	96
69) o-Xylene	12.395	106	3917	0.741	ug/l	98
70) Styrene	12.418	104	6605	0.773	ug/l	90
71) Bromoform	12.577	173	1316	0.599	ug/l #	99
73) Isopropylbenzene	12.695	105	9004	0.835	ug/l	95
74) N-amyl acetate	12.495	43	3686	0.758	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.930	83	4383	1.123	ug/l #	97
76) 1,2,3-Trichloropropane	12.989	75	4172m	1.402	ug/l	
77) Bromobenzene	12.989	156	3043	1.131	ug/l	96
78) n-propylbenzene	13.036	91	11635	0.919	ug/l	98
79) 2-Chlorotoluene	13.130	91	8007	1.032	ug/l	89
80) 1,3,5-Trimethylbenzene	13.171	105	7610	0.854	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.742	75	979m	0.958	ug/l	
82) 4-Chlorotoluene	13.130	91	8007	1.032	ug/l	89
83) tert-Butylbenzene	13.442	119	7359	0.913	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	7729	0.870	ug/l	97
85) sec-Butylbenzene	13.618	105	9465	0.841	ug/l	97
86) p-Isopropyltoluene	13.730	119	6873	0.764	ug/l	91
87) 1,3-Dichlorobenzene	13.736	146	4831	0.950	ug/l	89
88) 1,4-Dichlorobenzene	13.812	146	5373m	1.061	ug/l	
89) n-Butylbenzene	14.053	91	5919	0.757	ug/l	97
90) Hexachloroethane	14.330	117	1756	0.933	ug/l	88
91) 1,2-Dichlorobenzene	14.106	146	4892	0.938	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.736	75	575	0.760	ug/l #	36
93) 1,2,4-Trichlorobenzene	15.395	180	1748	0.672	ug/l	90
94) Hexachlorobutadiene	15.512	225	1088	0.853	ug/l	82
95) Naphthalene	15.636	128	5339	0.676	ug/l	97
96) 1,2,3-Trichlorobenzene	15.836	180	1824	0.724	ug/l	78

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Manual Integrations
APPROVED

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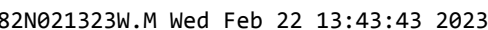
Quant Time: Feb 22 04:14:00 2023
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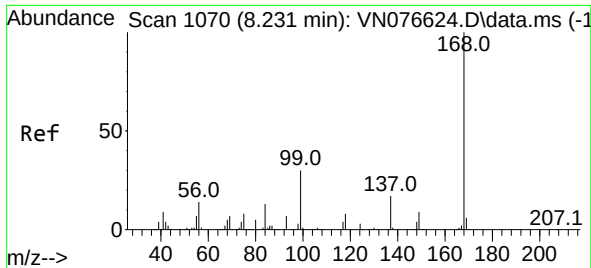
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

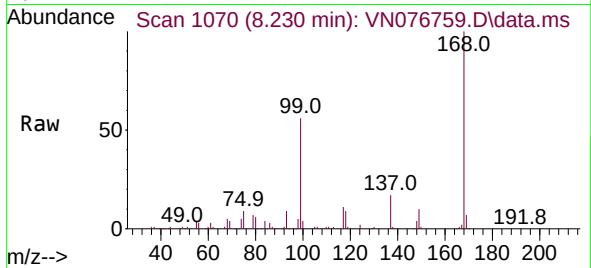
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1070
Delta R.T. -0.001 min
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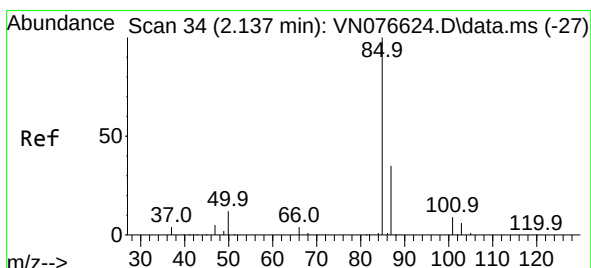
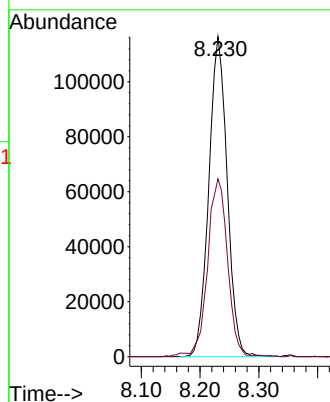
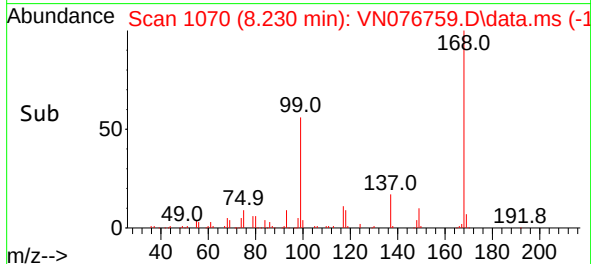
Instrument : MSVOA_N
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Tgt Ion:168 Resp: 253119
Ion Ratio Lower Upper
168 100
99 55.6 44.8 67.2

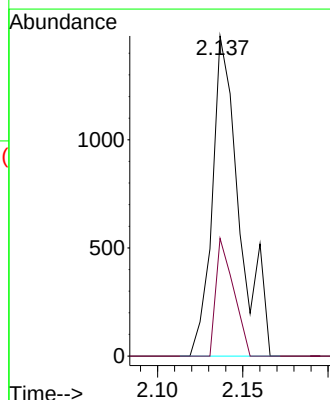
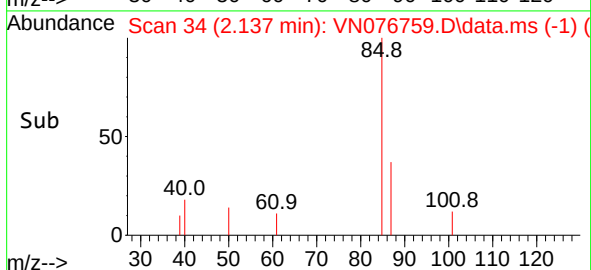
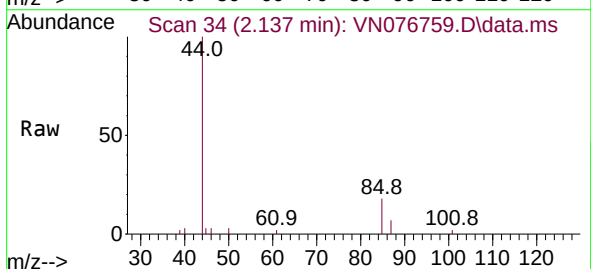
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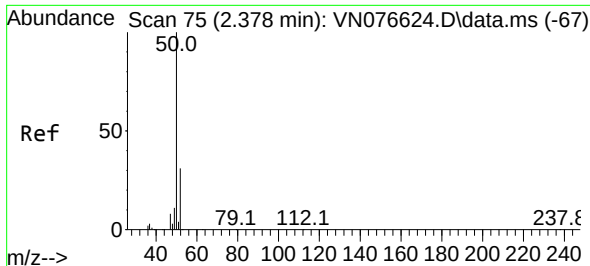
Reviewed By :John Carlone 02/22/2023
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#2
Dichlorodifluoromethane
Concen: 0.608 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

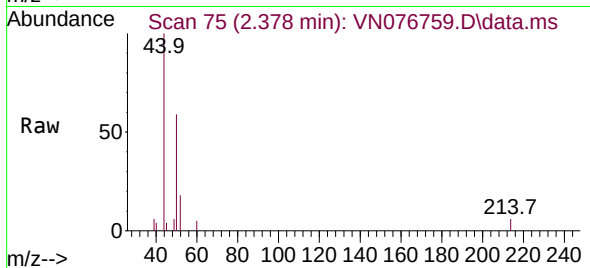
Tgt Ion: 85 Resp: 1633
Ion Ratio Lower Upper
85 100
87 36.8 17.4 52.2





#3
Chloromethane
Concen: 0.903 ug/l
RT: 2.378 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

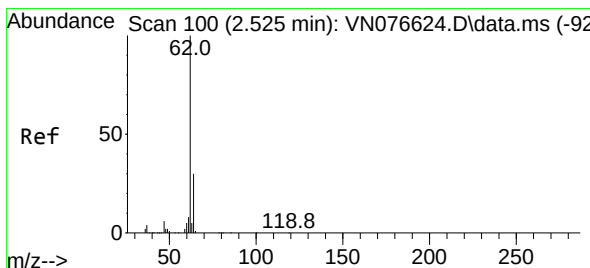
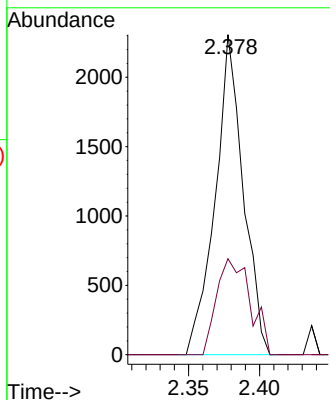
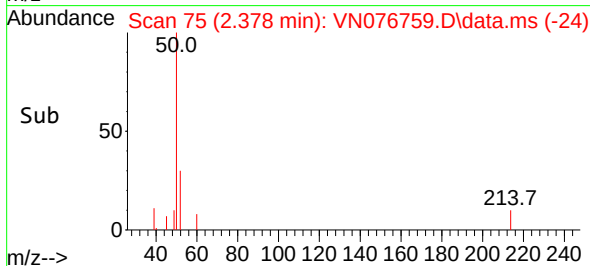
Instrument : MSVOA_N
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Tgt Ion: 50 Resp: 3168
Ion Ratio Lower Upper
50 100
52 30.0 24.7 37.1

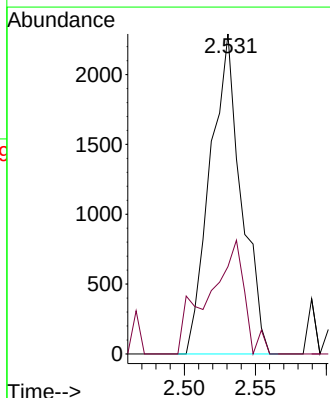
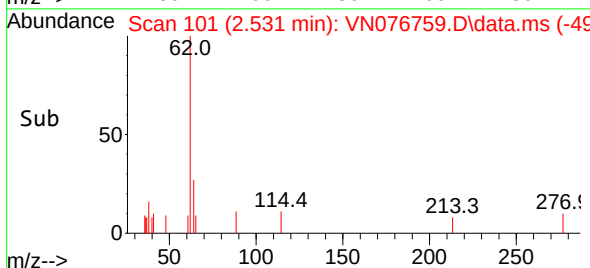
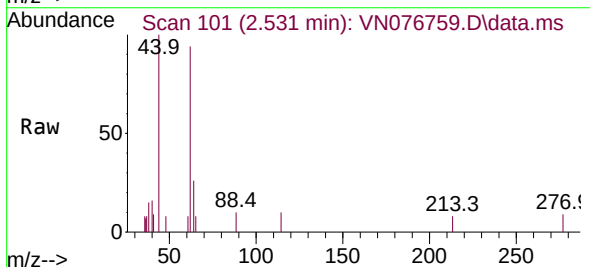
Manual Integrations
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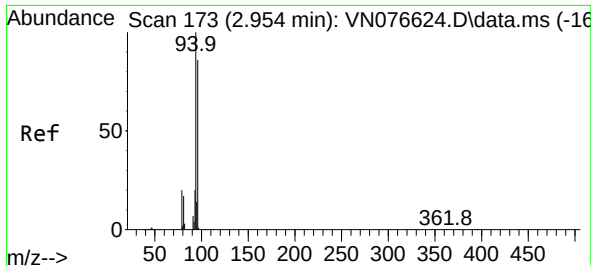
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#4
Vinyl Chloride
Concen: 1.012 ug/l
RT: 2.531 min Scan# 101
Delta R.T. 0.006 min
Lab File: VN076759.D
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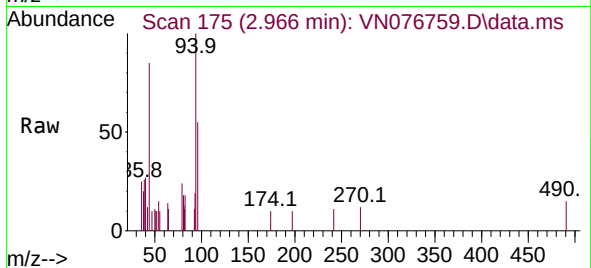
Tgt Ion: 62 Resp: 3492
Ion Ratio Lower Upper
62 100
64 27.3 23.9 35.9





#5
Bromomethane
Concen: 1.670 ug/l
RT: 2.966 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

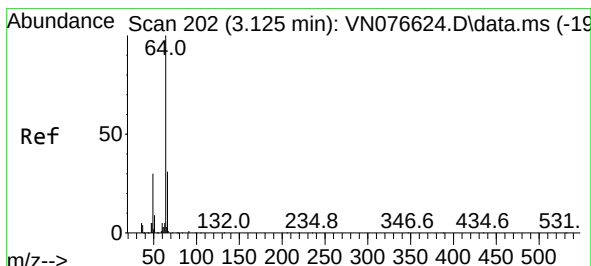
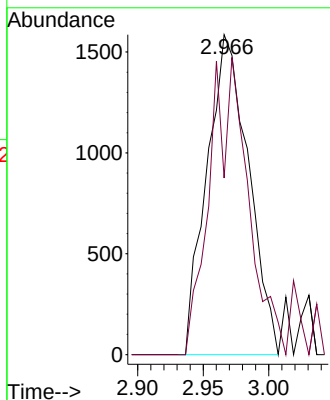
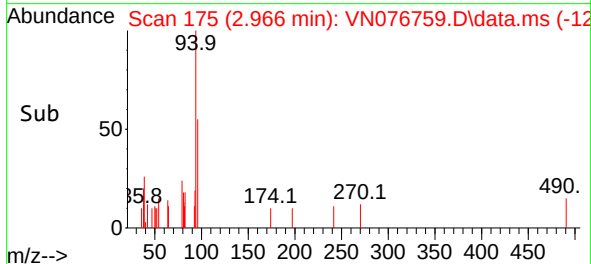
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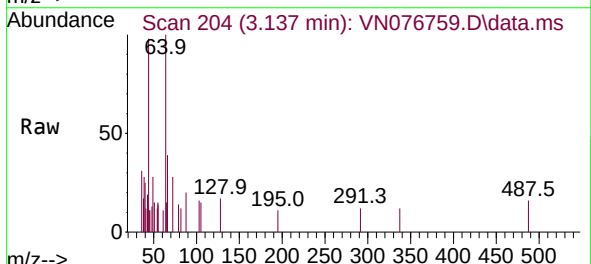
Tgt Ion: 94 Resp: 349
Ion Ratio Lower Upper
94 100
96 55.2 69.0 103.4

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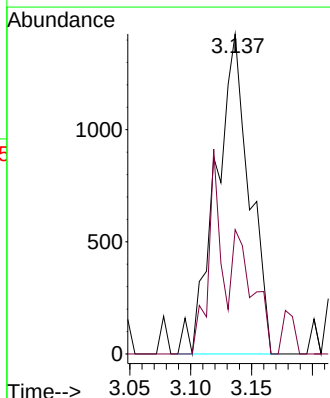
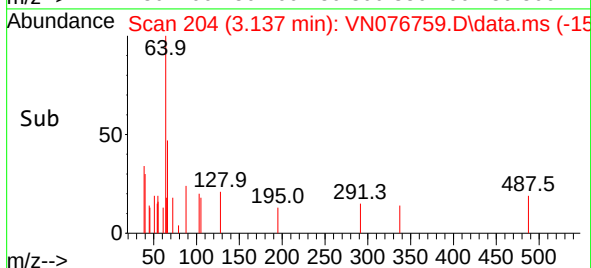
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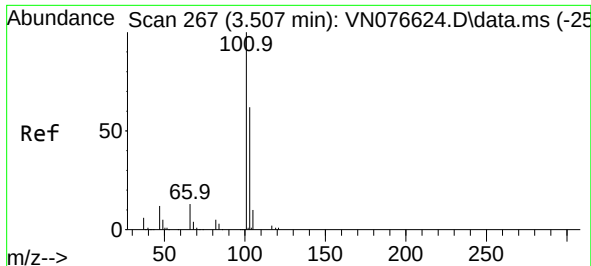


#6
Chloroethane
Concen: 1.259 ug/l
RT: 3.137 min Scan# 204
Delta R.T. 0.012 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48



Tgt Ion: 64 Resp: 2745
Ion Ratio Lower Upper
64 100
66 38.8 24.6 37.0





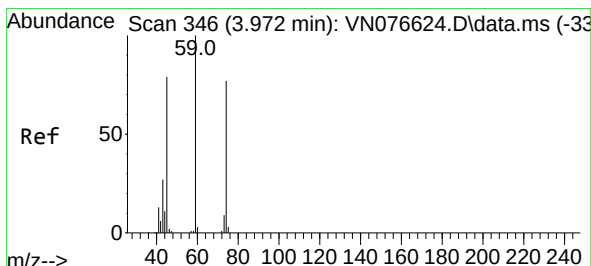
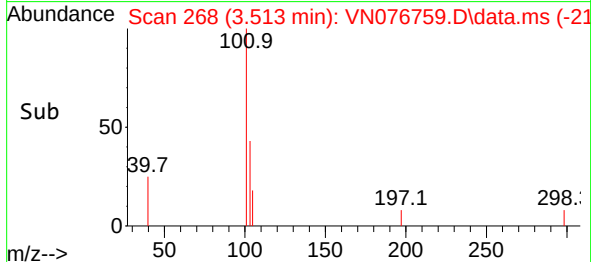
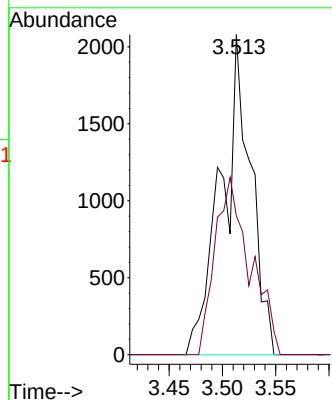
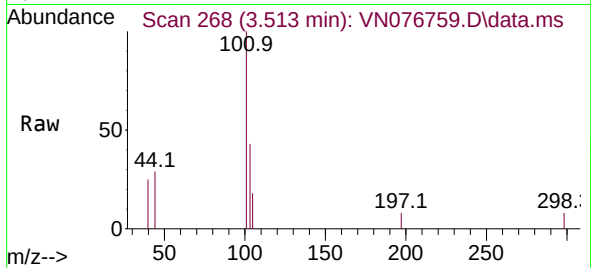
#7
Trichlorofluoromethane
Concen: 0.851 ug/l
RT: 3.513 min Scan# 267
Delta R.T. 0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion:101 Resp: 3990
Ion Ratio Lower Upper
101 100
103 43.4 49.4 74.2

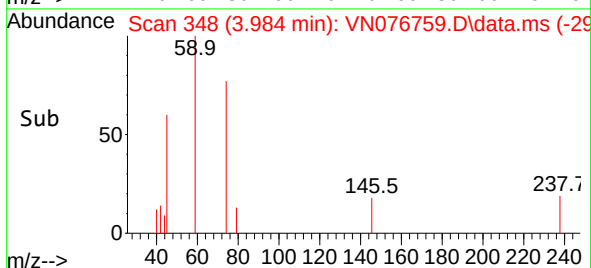
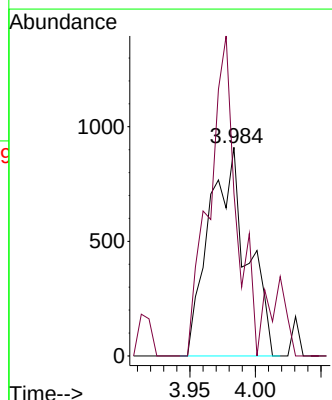
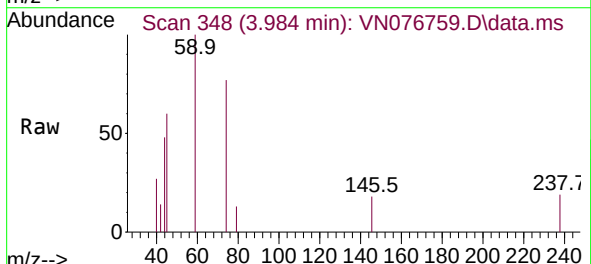
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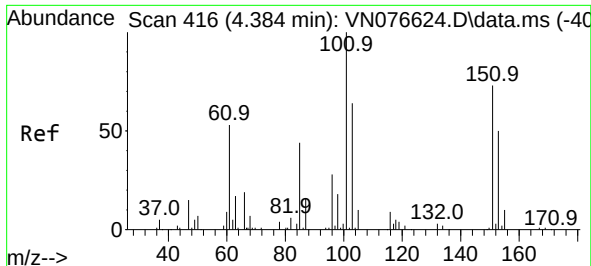
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#8
Diethyl Ether
Concen: 1.011 ug/l
RT: 3.984 min Scan# 348
Delta R.T. 0.012 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

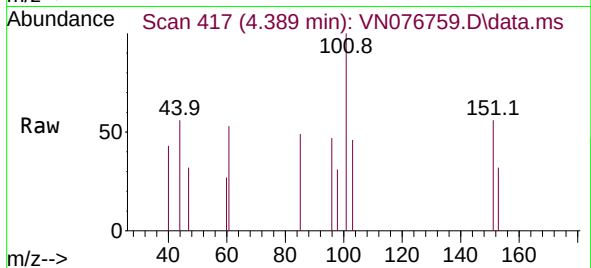
Tgt Ion: 74 Resp: 1830
Ion Ratio Lower Upper
74 100
45 110.2 51.3 153.9





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.821 ug/l m
RT: 4.389 min Scan# 416
Delta R.T. 0.005 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

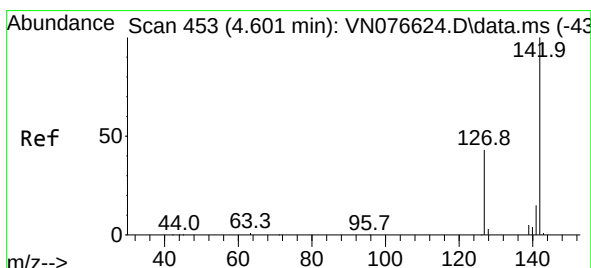
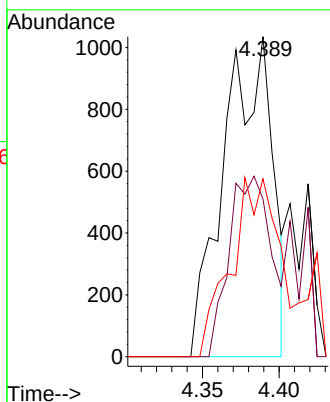
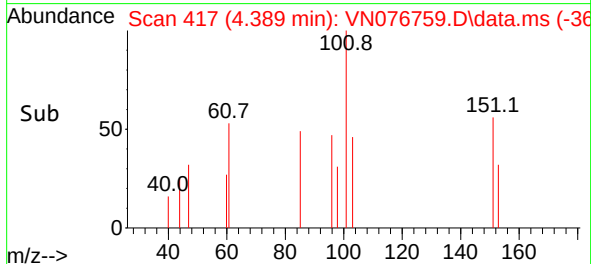
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion:101 Resp: 2260
Ion Ratio Lower Upper
101 100
85 49.3 37.4 56.0
151 57.1 58.7 88.1

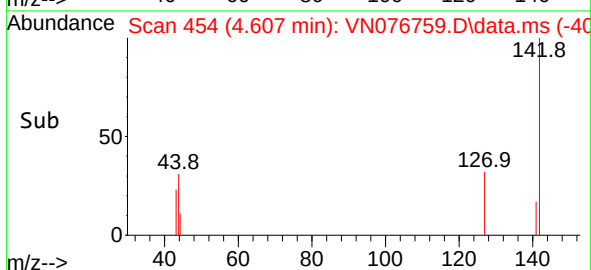
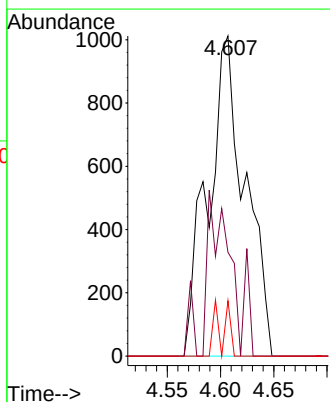
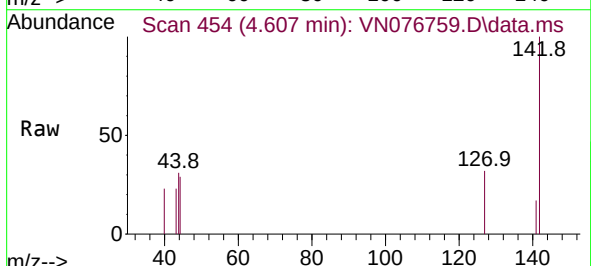
Manual Integrations
APPROVED

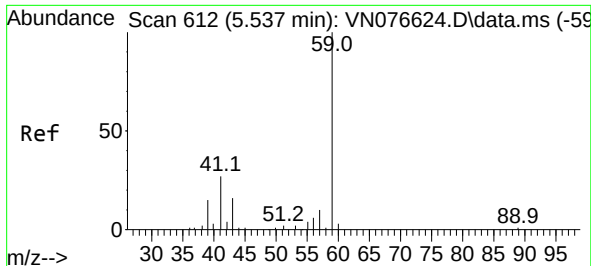
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#10
Methyl Iodide
Concen: 0.722 ug/l
RT: 4.607 min Scan# 454
Delta R.T. 0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

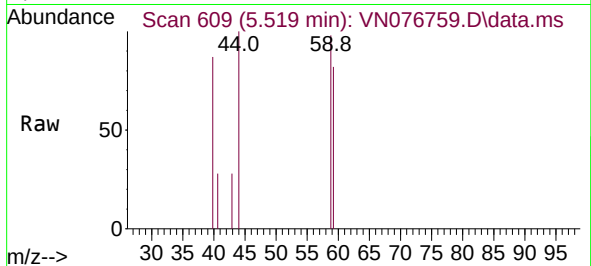
Tgt Ion:142 Resp: 2459
Ion Ratio Lower Upper
142 100
127 32.4 34.6 51.8#
141 17.3 11.7 17.5





#11
Tert butyl alcohol
Concen: 5.510 ug/l m
RT: 5.519 min Scan# 609
Delta R.T. -0.018 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

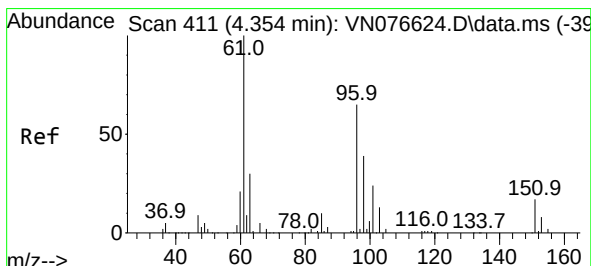
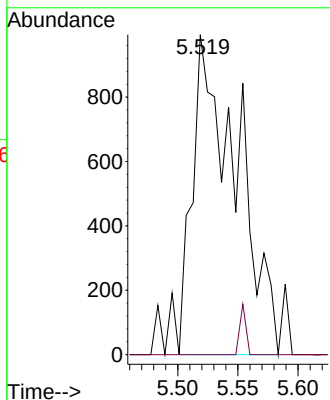
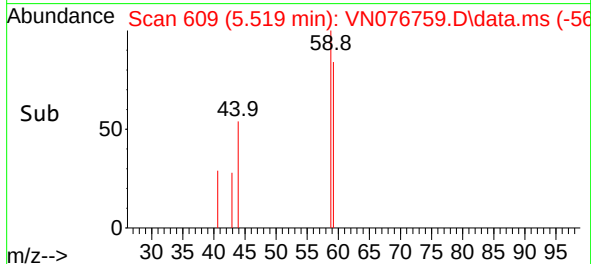
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



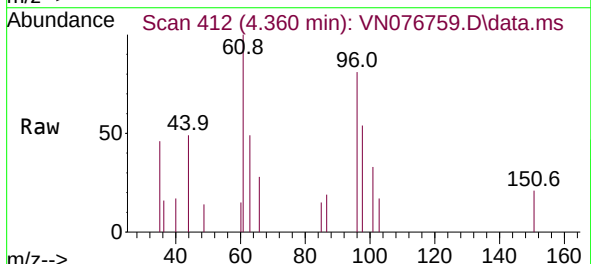
Tgt Ion: 59 Resp: 254
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1

Manual Integrations
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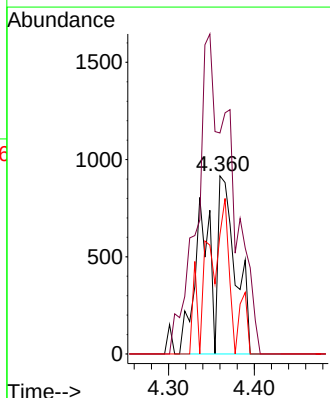
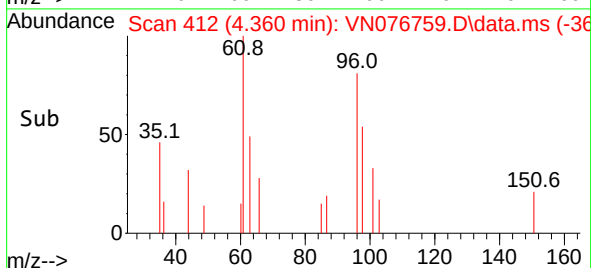
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

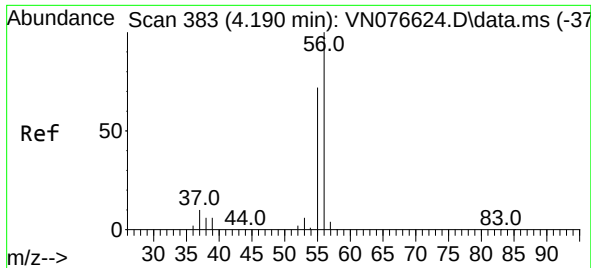


#12
1,1-Dichloroethene
Concen: 0.866 ug/l m
RT: 4.360 min Scan# 412
Delta R.T. 0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48



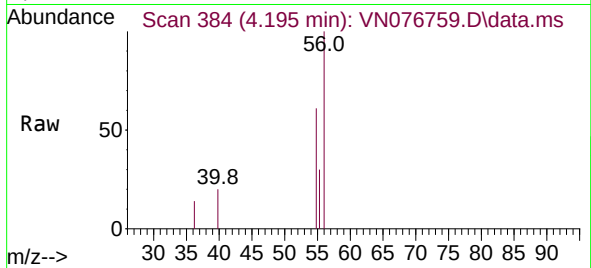
Tgt Ion: 96 Resp: 2263
Ion Ratio Lower Upper
96 100
61 124.1 123.8 185.6
98 67.1 48.4 72.6





#13
Acrolein
Concen: 4.100 ug/l
RT: 4.195 min Scan# 384
Delta R.T. 0.005 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

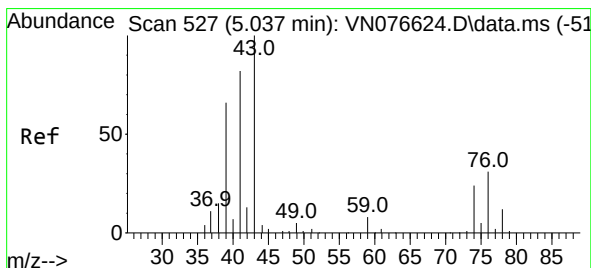
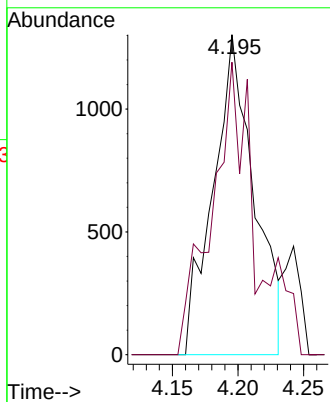
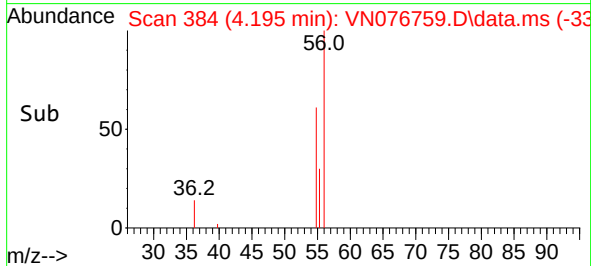
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



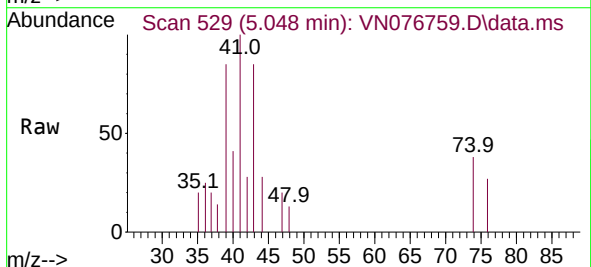
Tgt Ion: 56 Resp: 2840
Ion Ratio Lower Upper
56 100
55 85.7 56.3 84.5

Manual Integrations
APPROVED

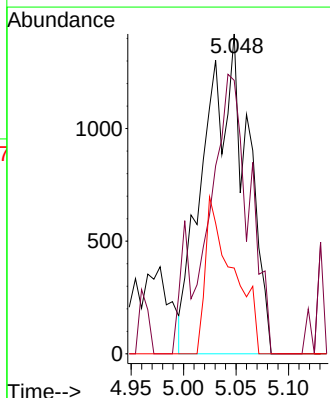
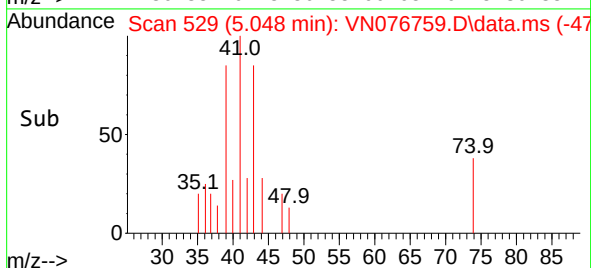
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

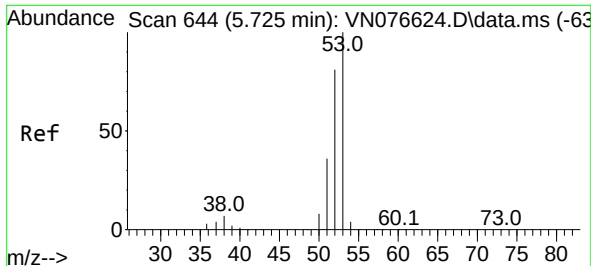


#14
Allyl chloride
Concen: 0.904 ug/l m
RT: 5.048 min Scan# 529
Delta R.T. 0.011 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48



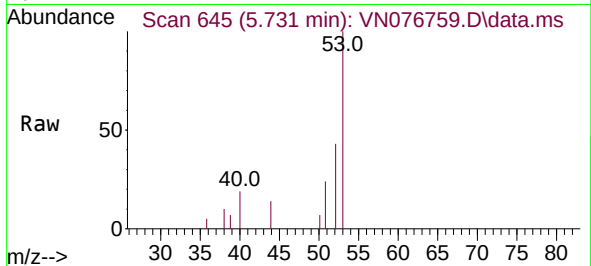
Tgt Ion: 41 Resp: 4091
Ion Ratio Lower Upper
41 100
39 72.2 62.3 93.5
76 30.9 27.0 40.6





#15
Acrylonitrile
Concen: 5.182 ug/l
RT: 5.731 min Scan# 644
Delta R.T. 0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

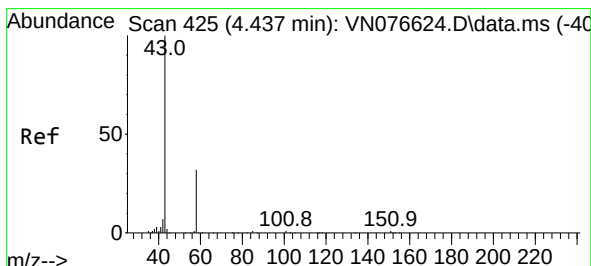
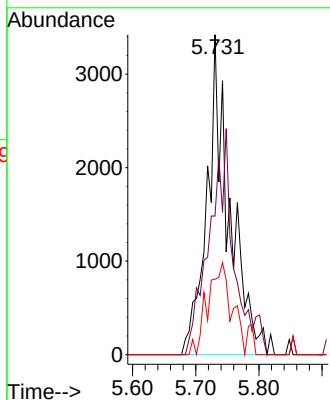
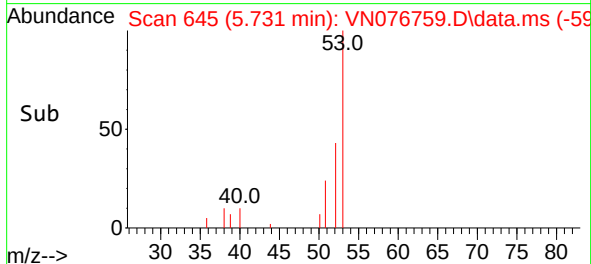
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion: 53 Resp: 8484
Ion Ratio Lower Upper
53 100
52 73.1 65.3 97.9
51 30.4 29.2 43.8

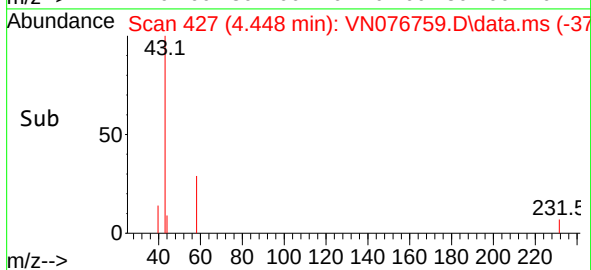
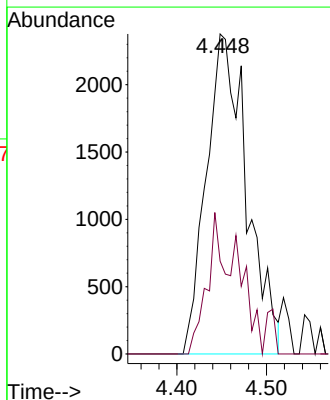
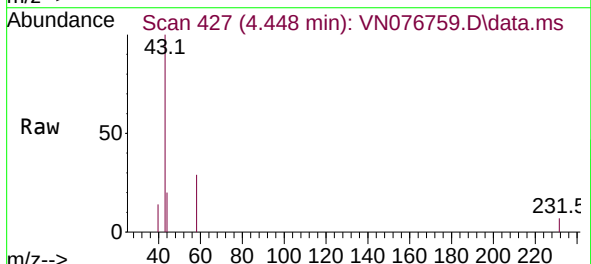
Manual Integrations
APPROVED

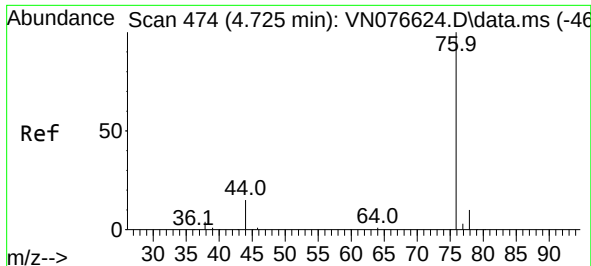
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#16
Acetone
Concen: 4.767 ug/l
RT: 4.448 min Scan# 427
Delta R.T. 0.011 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

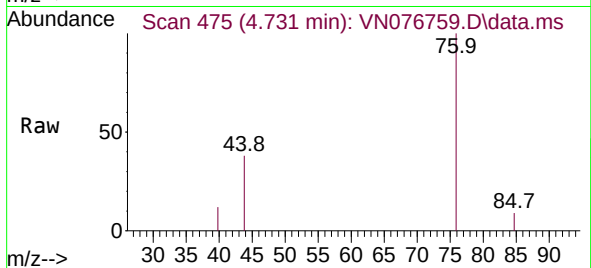
Tgt Ion: 43 Resp: 7443
Ion Ratio Lower Upper
43 100
58 29.0 25.9 38.9





#17
Carbon Disulfide
Concen: 0.888 ug/l
RT: 4.731 min Scan# 475
Delta R.T. 0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

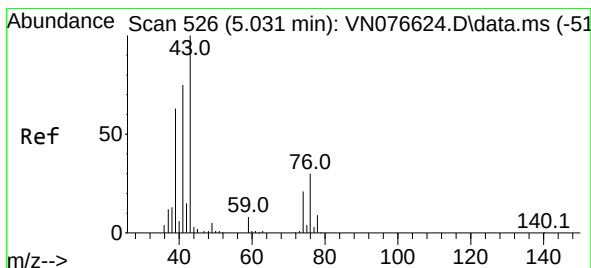
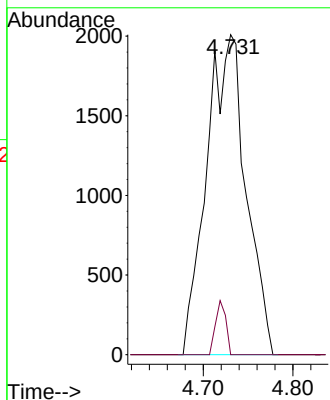
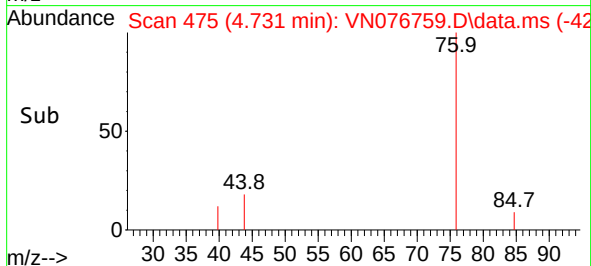
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion: 76 Resp: 6124
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.8

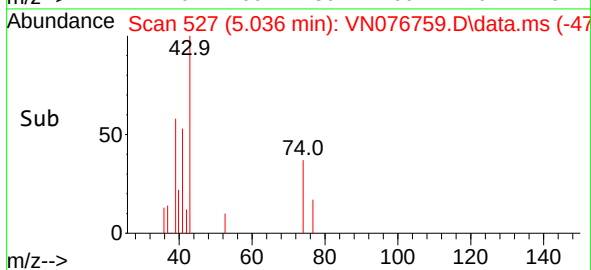
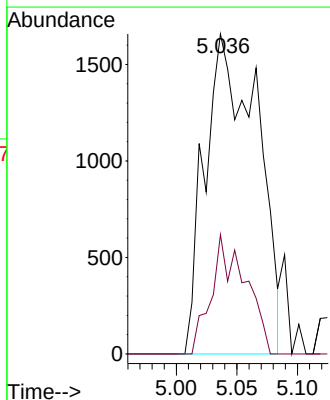
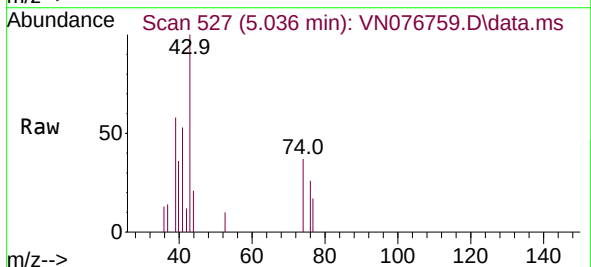
Manual Integrations
APPROVED

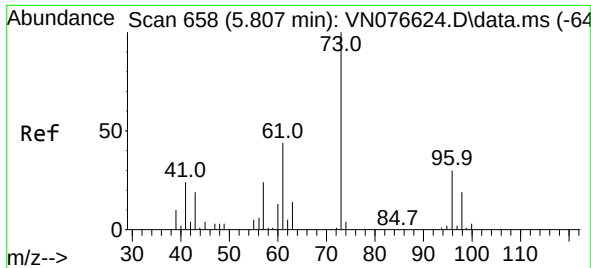
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#18
Methyl Acetate
Concen: 0.972 ug/l m
RT: 5.036 min Scan# 527
Delta R.T. 0.005 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

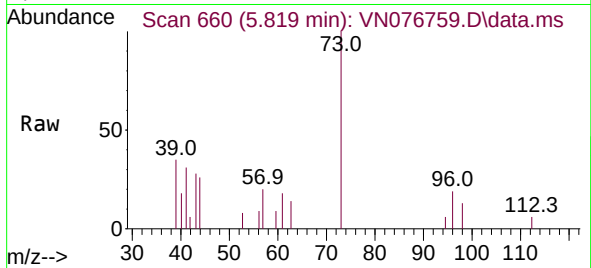
Tgt Ion: 43 Resp: 4951
Ion Ratio Lower Upper
43 100
74 24.5 17.7 26.5





#19
Methyl tert-butyl Ether
Concen: 0.933 ug/l m
RT: 5.819 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

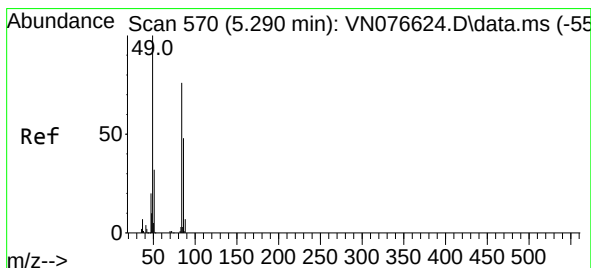
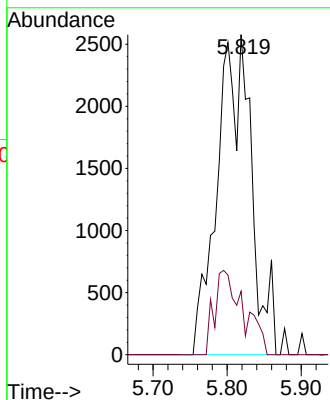
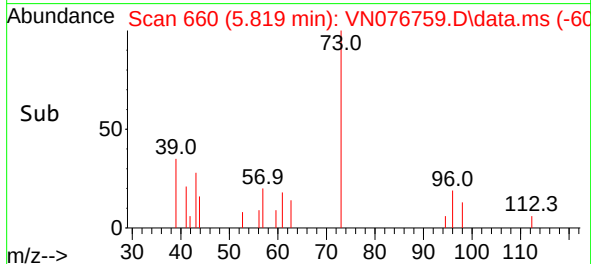
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion: 73 Resp: 822
Ion Ratio Lower Upper
73 100
57 19.8 19.0 28.4

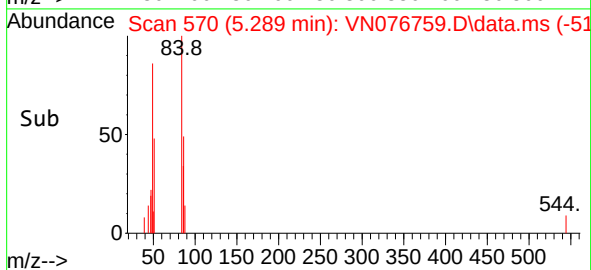
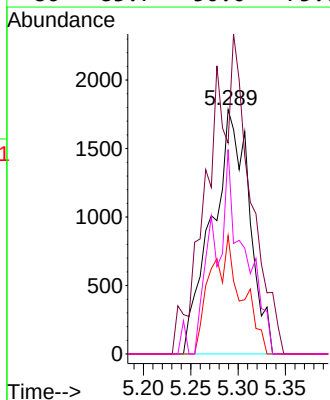
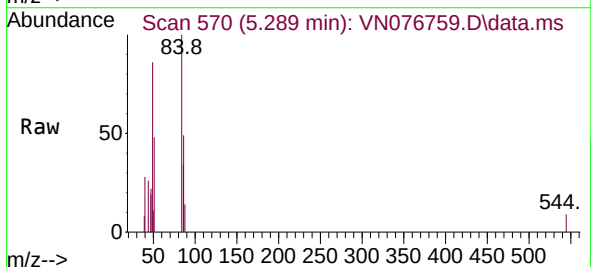
Manual Integrations
APPROVED

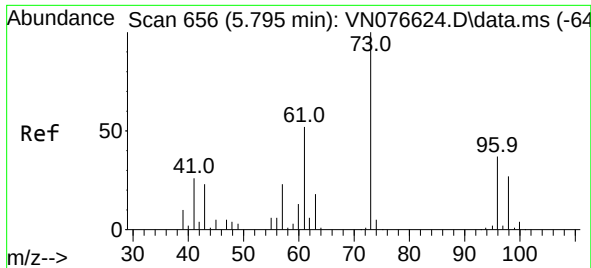
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#20
Methylene Chloride
Concen: 1.502 ug/l
RT: 5.289 min Scan# 570
Delta R.T. -0.001 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

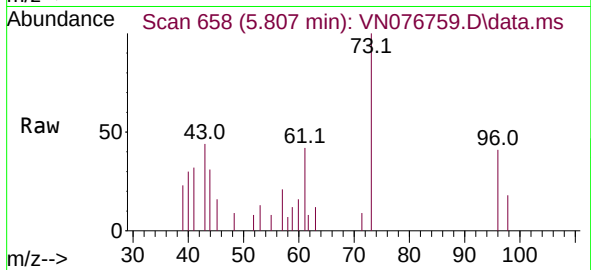
Tgt Ion: 84 Resp: 4914
Ion Ratio Lower Upper
84 100
49 75.2 104.9 157.3#
51 48.4 33.8 50.8
86 83.7 50.0 75.0#





#21
trans-1,2-Dichloroethene
Concen: 0.889 ug/l
RT: 5.807 min Scan# 614
Delta R.T. 0.012 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

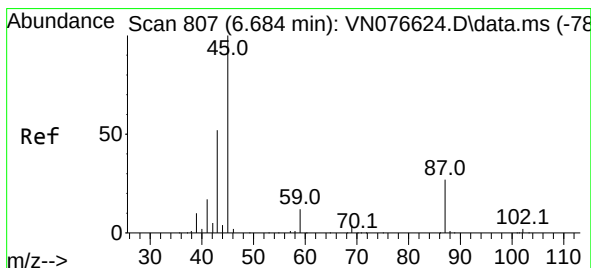
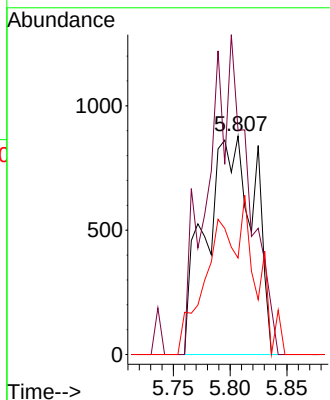
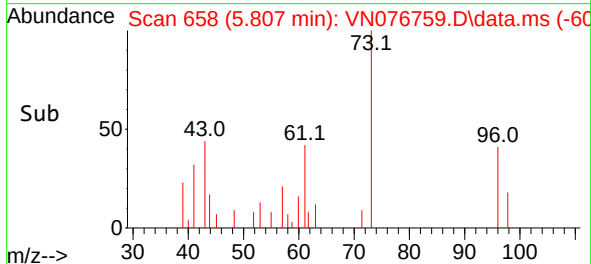
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion: 96 Resp: 2614
Ion Ratio Lower Upper
96 100
61 102.7 113.9 170.9#
98 44.2 59.4 89.0#

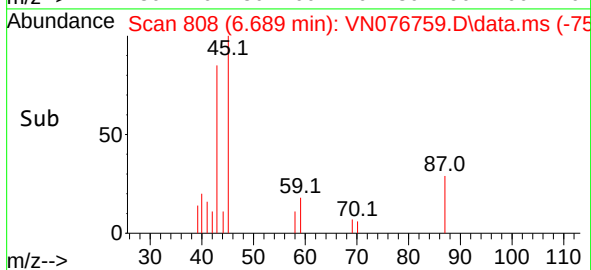
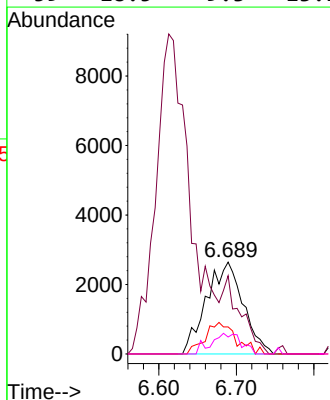
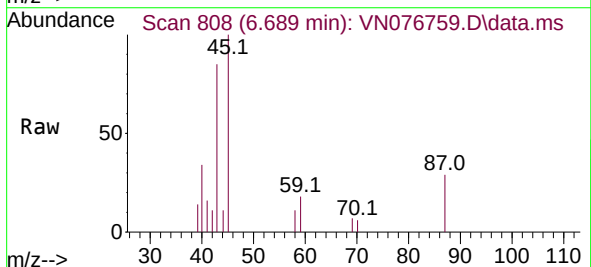
Manual Integrations
APPROVED

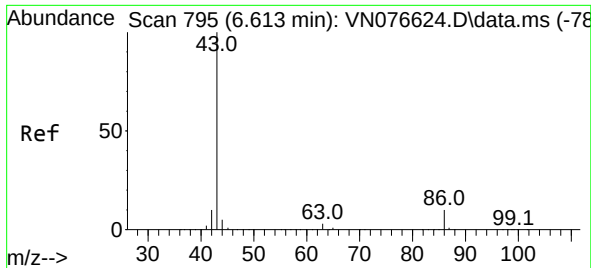
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#22
Diisopropyl ether
Concen: 0.821 ug/l
RT: 6.689 min Scan# 808
Delta R.T. 0.005 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion: 45 Resp: 8721
Ion Ratio Lower Upper
45 100
43 78.9 41.8 62.6#
87 29.4 21.8 32.8
59 18.5 9.3 13.9#





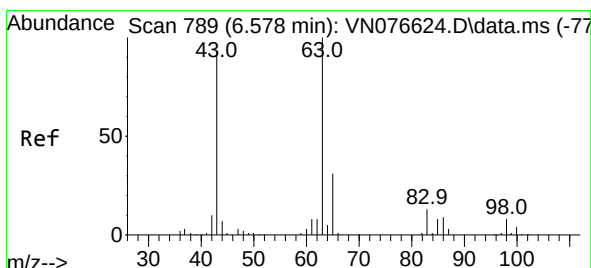
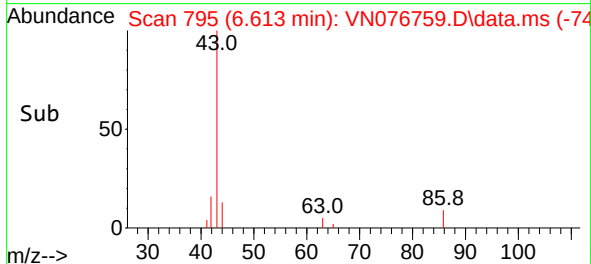
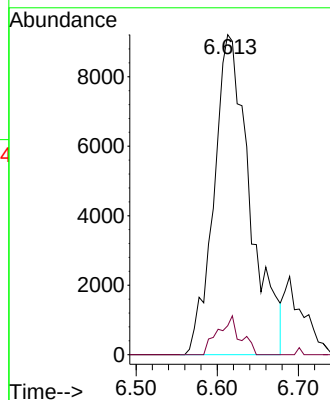
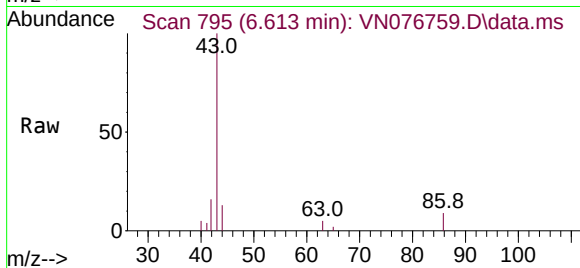
#23
 Vinyl Acetate
 Concen: 4.528 ug/l
 RT: 6.613 min Scan# 795
 Delta R.T. -0.000 min
 Lab File: VN076759.D
 Acq: 21 Feb 2023 18:48

Instrument : MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2023

Tgt Ion: 43 Resp: 28448
 Ion Ratio Lower Upper
 43 100
 86 9.1 8.2 12.2

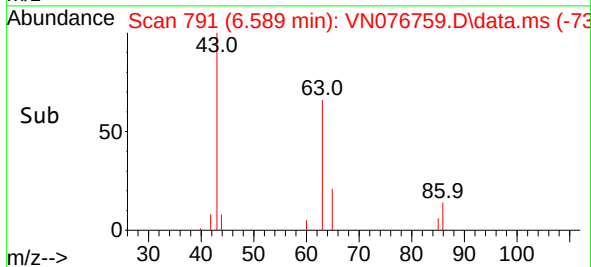
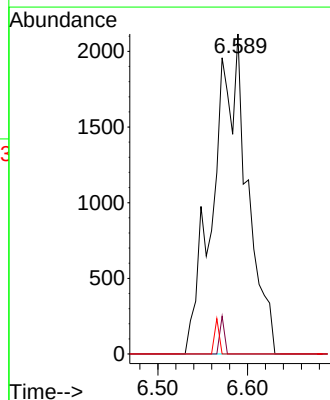
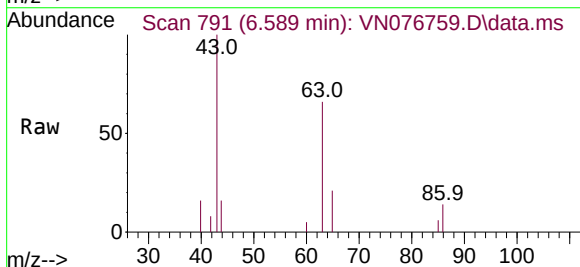
Manual Integrations
 APPROVED

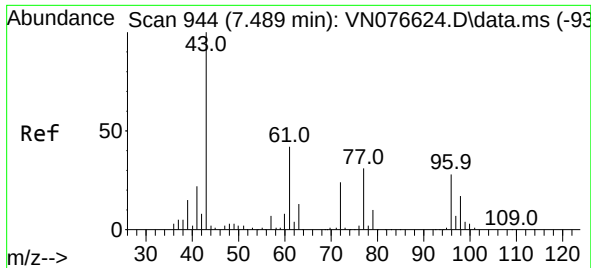
Reviewed By :John Carlone 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023



#24
 1,1-Dichloroethane
 Concen: 0.947 ug/l
 RT: 6.589 min Scan# 791
 Delta R.T. 0.011 min
 Lab File: VN076759.D
 Acq: 21 Feb 2023 18:48

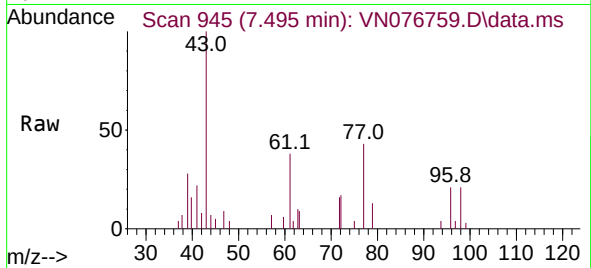
Tgt Ion: 63 Resp: 5508
 Ion Ratio Lower Upper
 63 100
 98 0.0 4.1 12.3#
 100 0.0 2.0 5.8#





#25
2-Butanone
Concen: 4.741 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

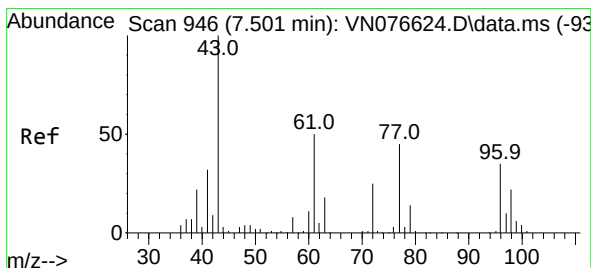
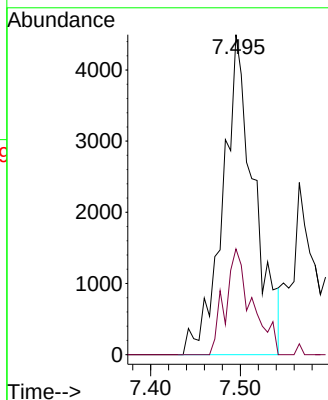
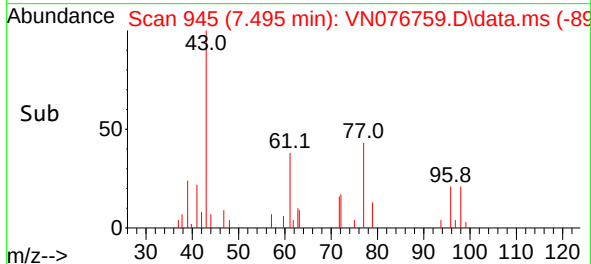
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion: 43 Resp: 10918
Ion Ratio Lower Upper
43 100
72 33.1 19.4 29.2

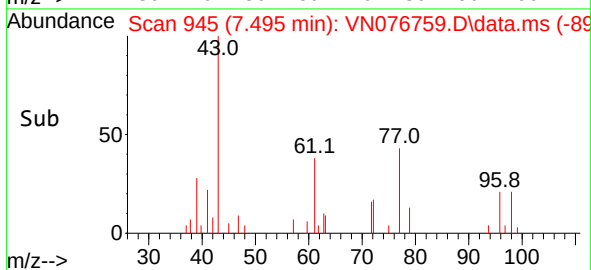
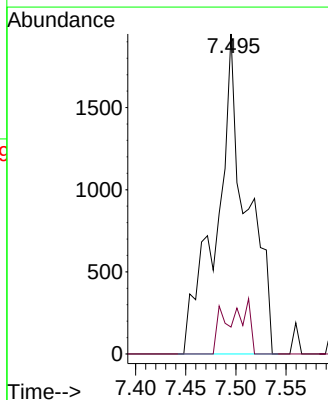
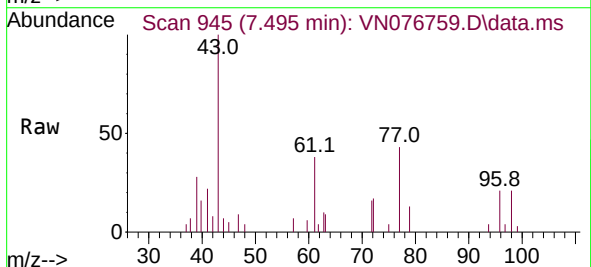
Manual Integrations
APPROVED

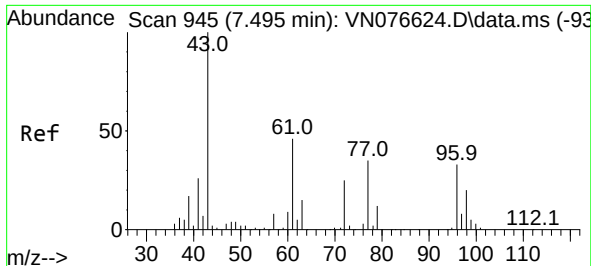
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#26
2,2-Dichloropropane
Concen: 0.971 ug/l
RT: 7.495 min Scan# 945
Delta R.T. -0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

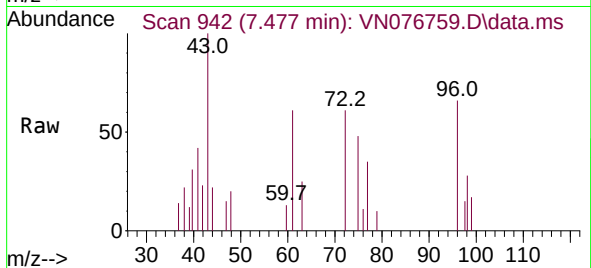
Tgt Ion: 77 Resp: 4076
Ion Ratio Lower Upper
77 100
97 5.6 11.9 35.7#





#27
 cis-1,2-Dichloroethene
 Concen: 0.810 ug/l
 RT: 7.477 min Scan# 945
 Delta R.T. -0.018 min
 Lab File: VN076759.D
 Acq: 21 Feb 2023 18:48

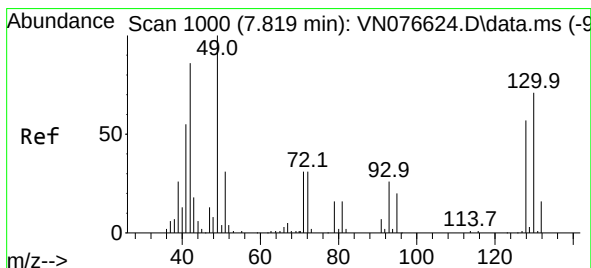
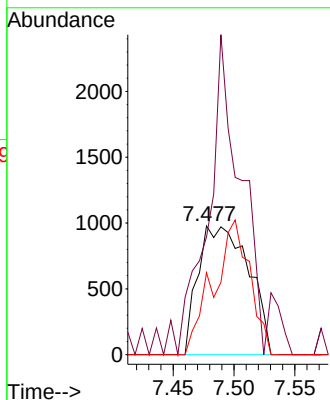
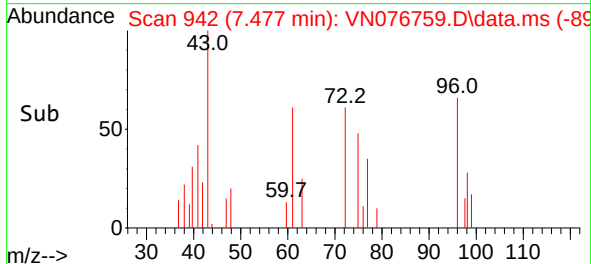
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2023



Tgt Ion: 96 Resp: 2820
 Ion Ratio Lower Upper
 96 100
 61 161.6 0.0 286.8
 98 0.0 0.0 124.0

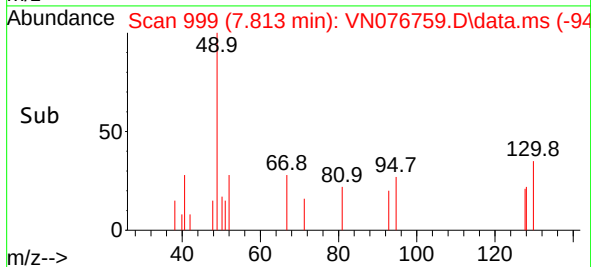
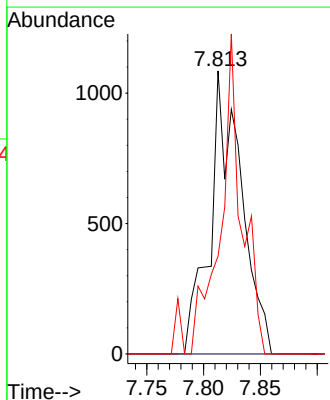
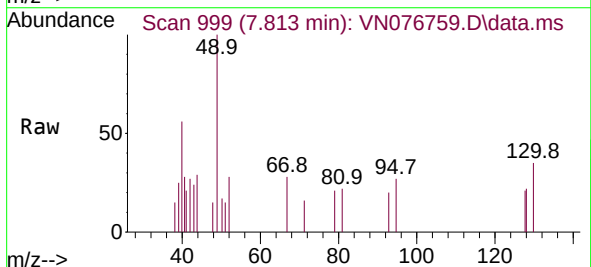
Manual Integrations
 APPROVED

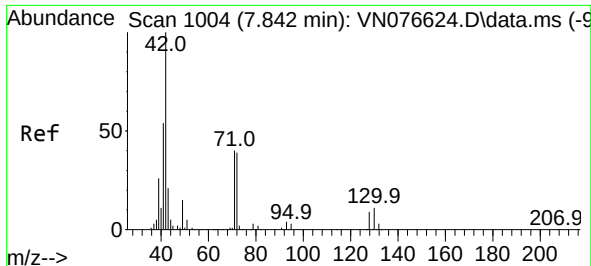
Reviewed By :John Carlone 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023



#28
 Bromochloromethane
 Concen: 0.752 ug/l
 RT: 7.813 min Scan# 999
 Delta R.T. -0.006 min
 Lab File: VN076759.D
 Acq: 21 Feb 2023 18:48

Tgt Ion: 49 Resp: 2084
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 77.3 57.8 86.8





#29

Tetrahydrofuran

Concen: 4.976 ug/l

RT: 7.860 min Scan# 1004

Delta R.T. 0.018 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

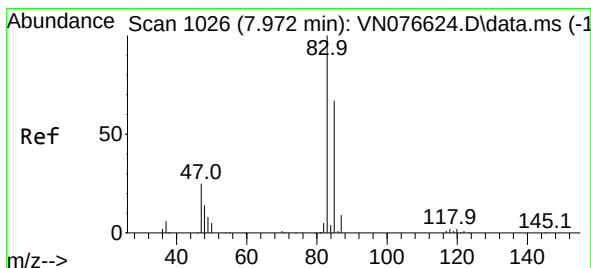
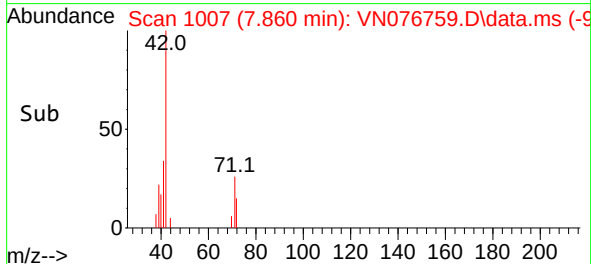
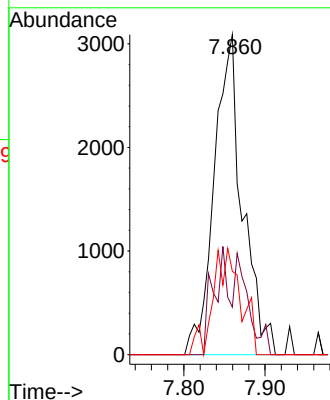
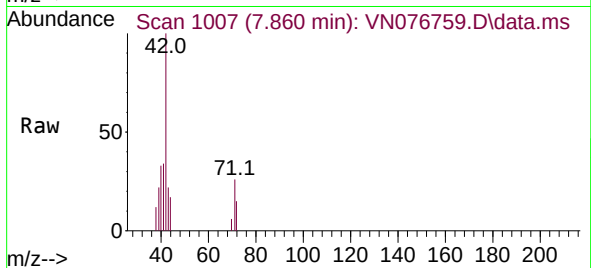
Tgt Ion:	42	Resp:	748
Ion Ratio	Lower	Upper	
42	100		
72	15.5	31.5	47.3
71	32.5	29.8	44.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#30

Chloroform

Concen: 0.852 ug/l

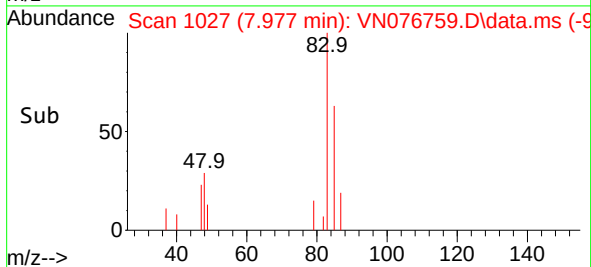
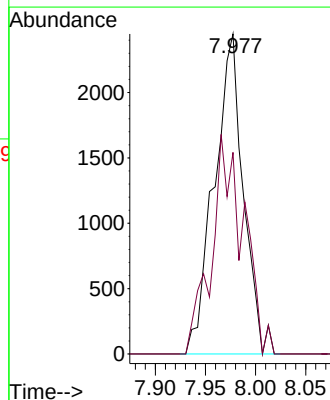
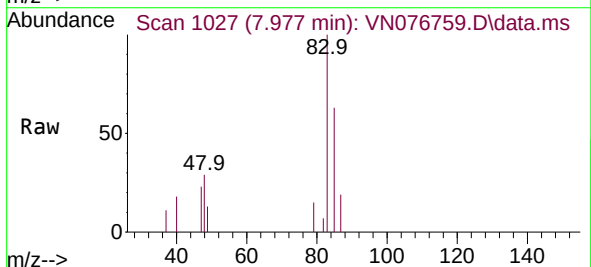
RT: 7.977 min Scan# 1027

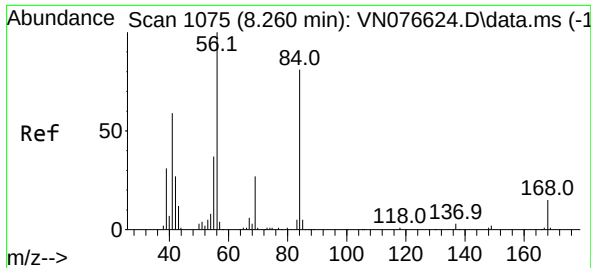
Delta R.T. 0.005 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

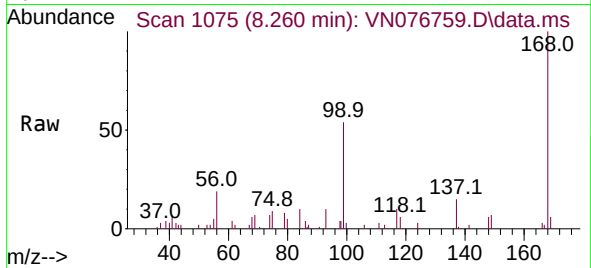
Tgt Ion:	83	Resp:	4954
Ion Ratio	Lower	Upper	
83	100		
85	63.0	53.5	80.3





#31
Cyclohexane
Concen: 1.234 ug/l m
RT: 8.260 min Scan# 1075
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

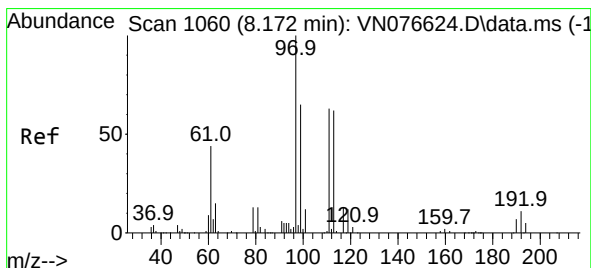
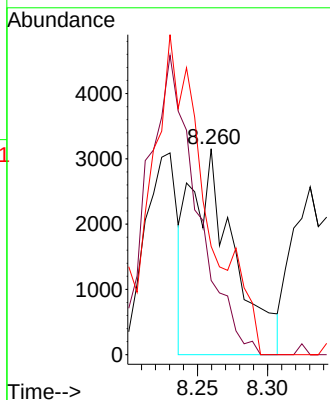
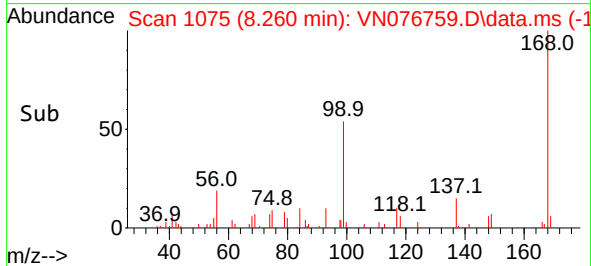
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



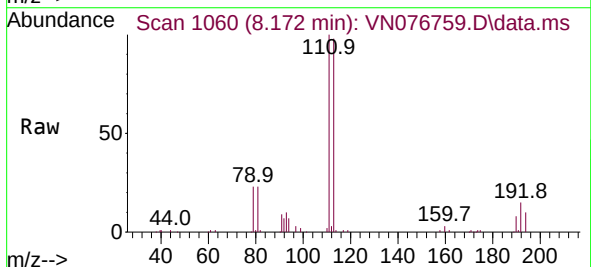
Tgt Ion: 56 Resp: 6765
Ion Ratio Lower Upper
56 100
69 36.0 21.6 32.4#
84 52.6 65.1 97.7#

Manual Integrations
APPROVED

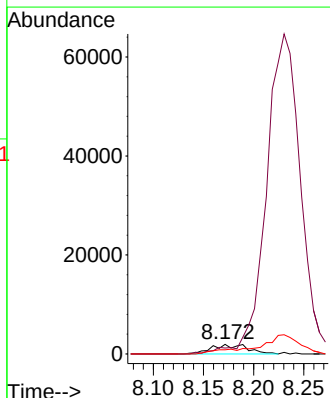
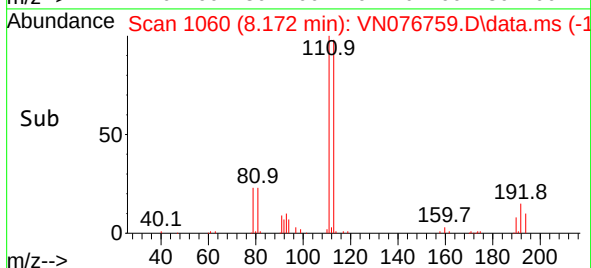
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

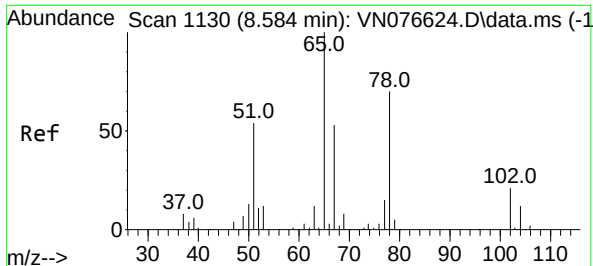


#32
1,1,1-Trichloroethane
Concen: 0.975 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48



Tgt Ion: 97 Resp: 4765
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8#
61 0.0 38.2 57.2#





#33

1,2-Dichloroethane-d4

Concen: 55.189 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion: 65 Resp: 192890

Ion Ratio Lower Upper

65 100

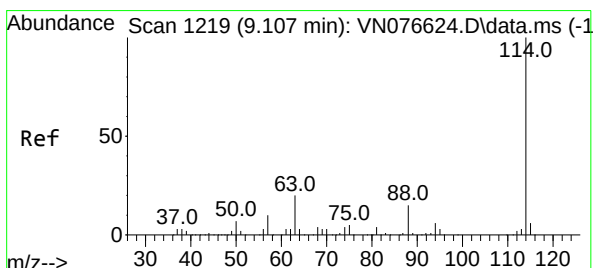
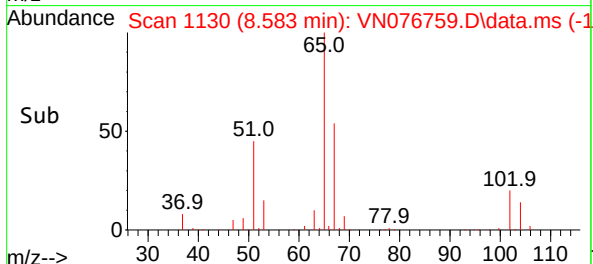
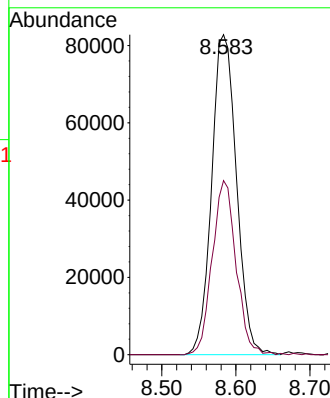
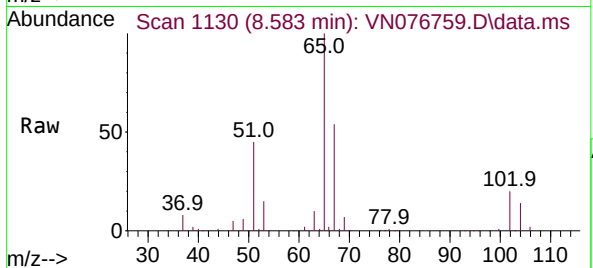
67 52.3 0.0 105.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.101 min Scan# 1218

Delta R.T. -0.006 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

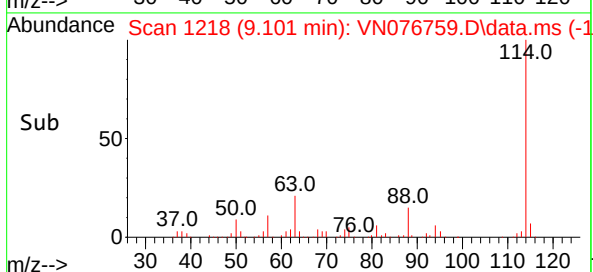
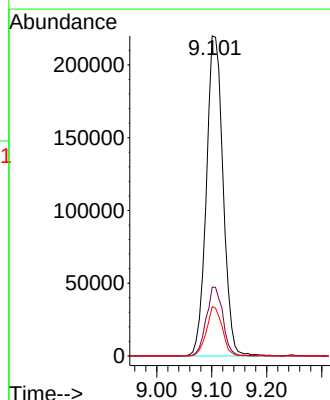
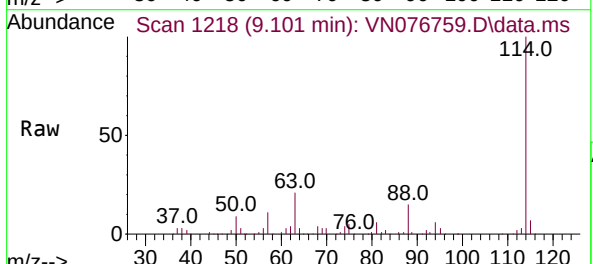
Tgt Ion:114 Resp: 464127

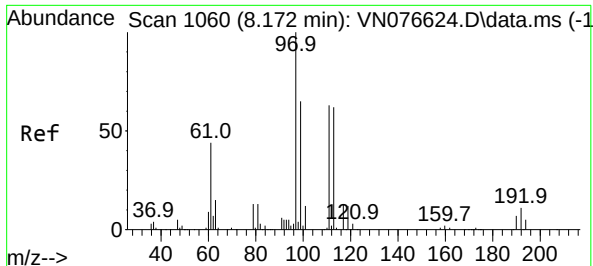
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

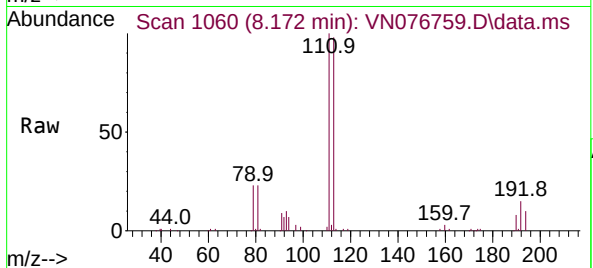
88 15.4 0.0 29.6





#35
Dibromofluoromethane
Concen: 49.194 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

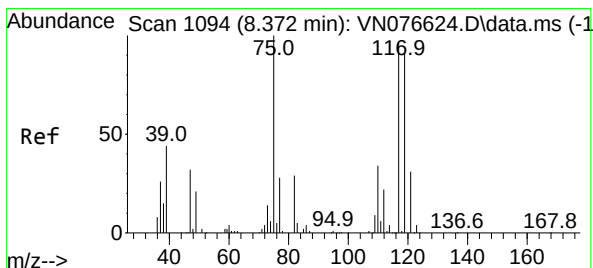
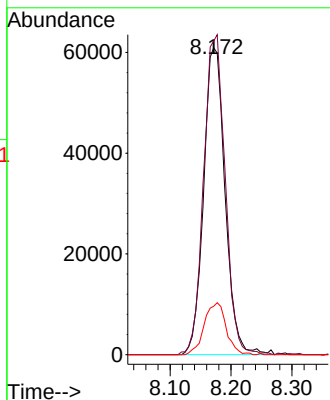
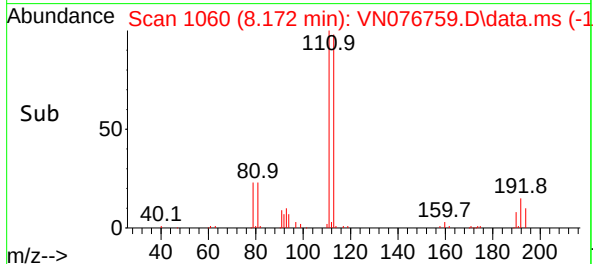
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT1-2023



Tgt Ion: 113 Resp: 14952
Ion Ratio Lower Upper
113 100
111 104.2 83.1 124.7
192 17.2 15.6 23.4

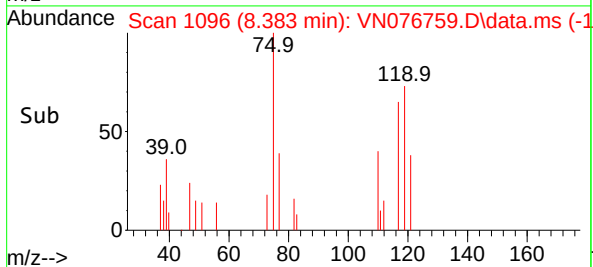
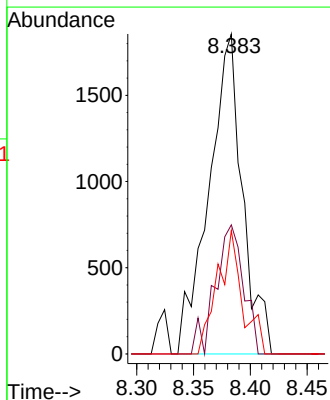
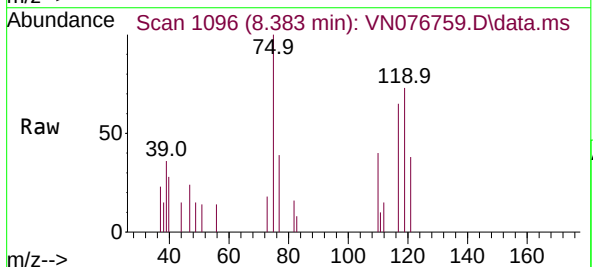
Manual Integrations
APPROVED

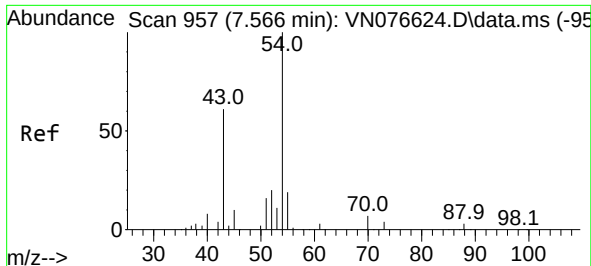
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#36
1,1-Dichloropropene
Concen: 0.871 ug/l
RT: 8.383 min Scan# 1096
Delta R.T. 0.011 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion: 75 Resp: 3823
Ion Ratio Lower Upper
75 100
110 33.7 17.5 52.5
77 28.5 24.5 36.7





#37

Ethyl Acetate

Concen: 0.944 ug/l

RT: 7.566 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

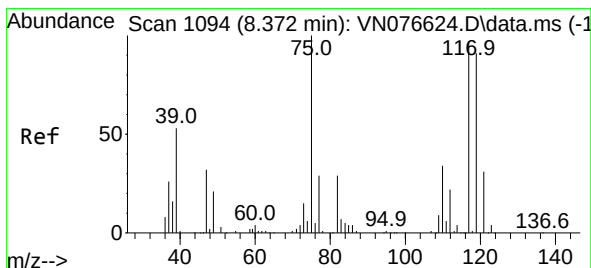
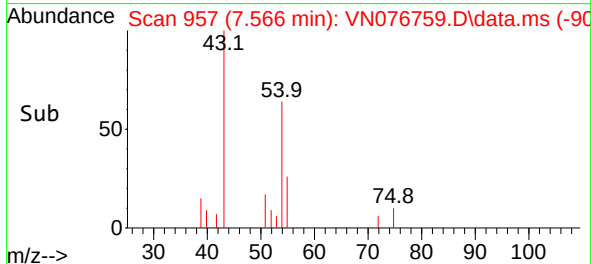
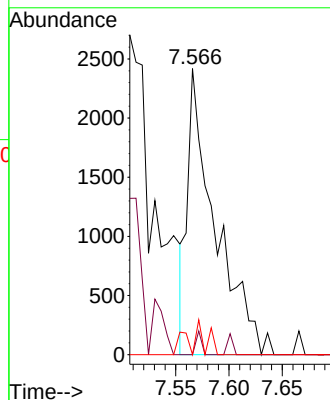
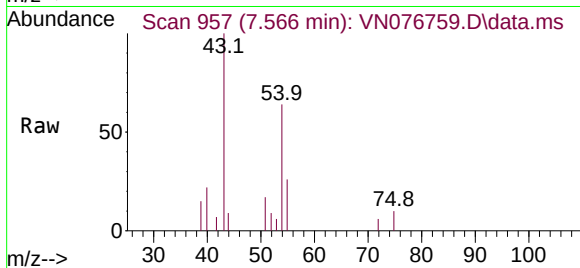
Tgt Ion:	43	Resp:	436
Ion Ratio	Lower	Upper	
43	100		
61	0.0	9.9	14.9
70	4.2	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#38

Carbon Tetrachloride

Concen: 0.944 ug/l

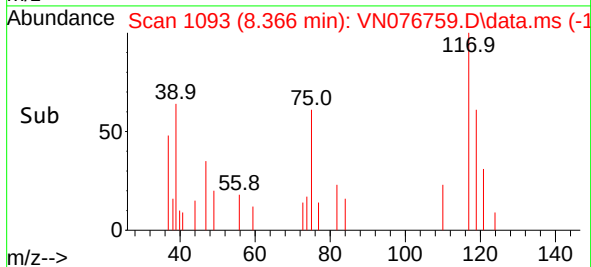
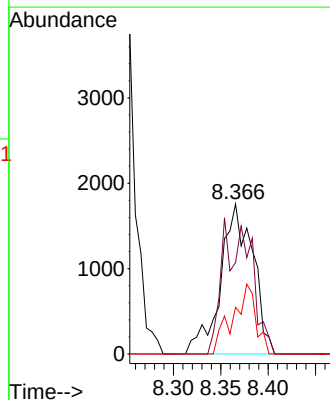
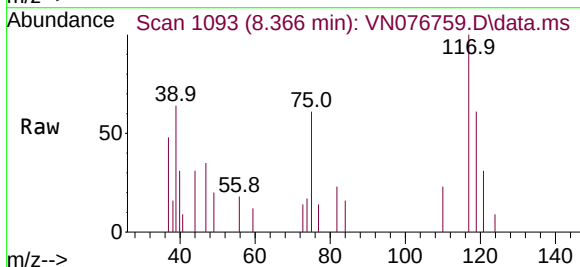
RT: 8.366 min Scan# 1093

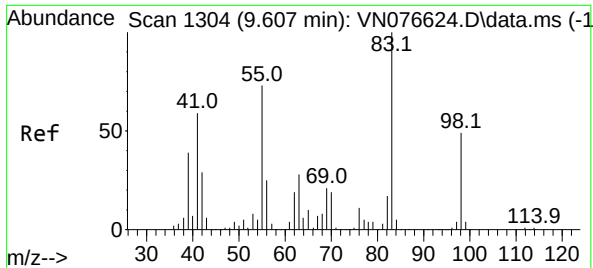
Delta R.T. -0.006 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Tgt Ion:	117	Resp:	4182
Ion Ratio	Lower	Upper	
117	100		
119	60.9	75.4	113.0
121	31.1	26.0	39.0





#39

Methylcyclohexane

Concen: 0.826 ug/l

RT: 9.601 min Scan# 11303

Delta R.T. -0.006 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

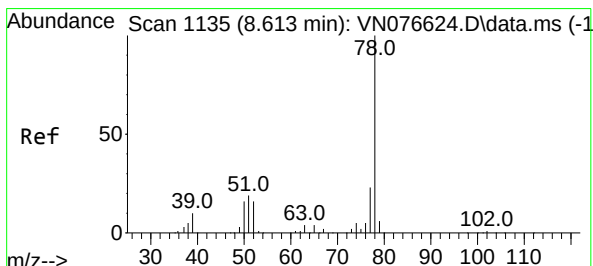
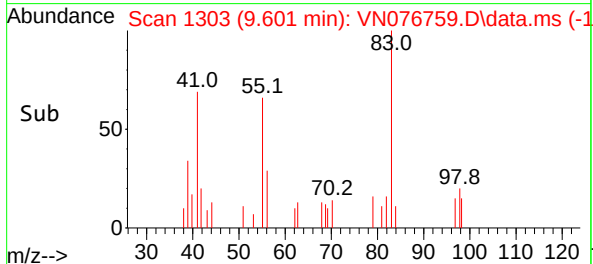
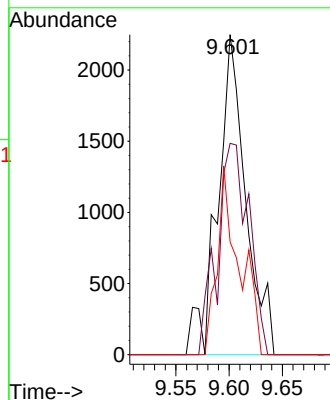
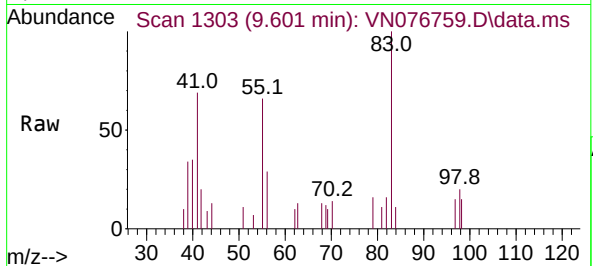
Tgt Ion: 83	Resp: 412
Ion Ratio	Lower Upper
83 100	
55 66.1	58.6 88.0
98 35.2	39.4 59.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#40

Benzene

Concen: 0.852 ug/l

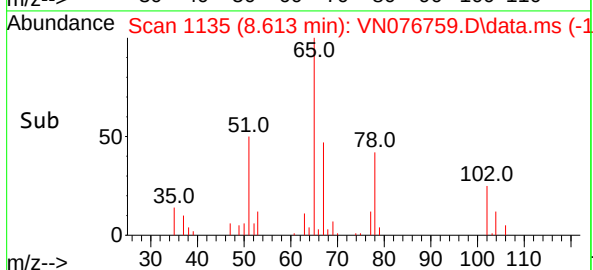
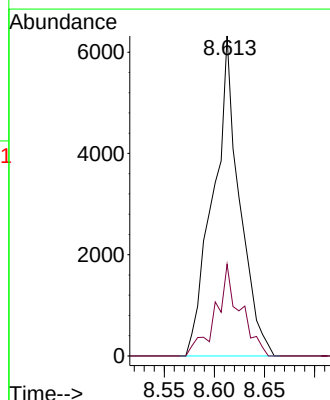
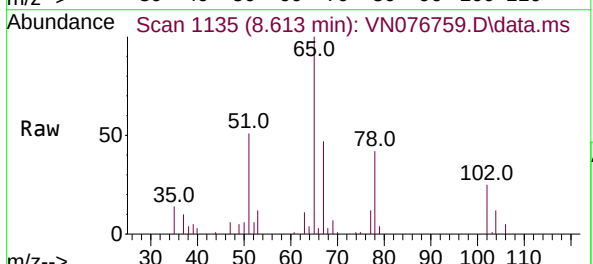
RT: 8.613 min Scan# 1135

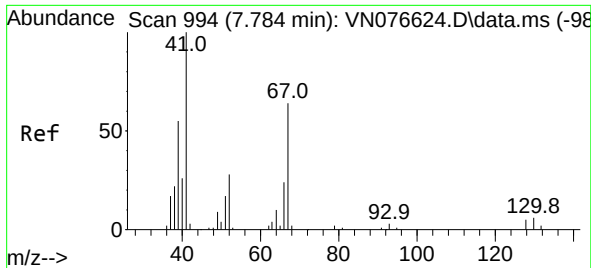
Delta R.T. -0.000 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

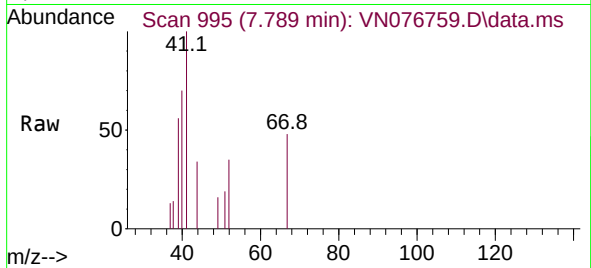
Tgt Ion: 78	Resp: 11493
Ion Ratio	Lower Upper
78 100	
77 28.7	18.2 27.4





#41
Methacrylonitrile
Concen: 0.937 ug/l
RT: 7.789 min Scan# 994
Delta R.T. 0.005 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

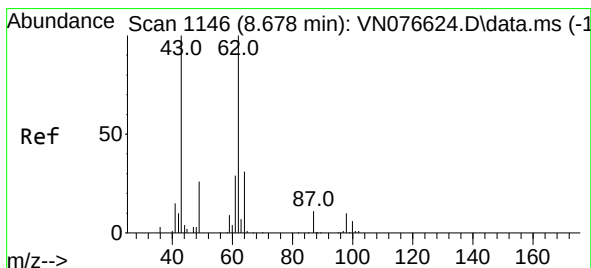
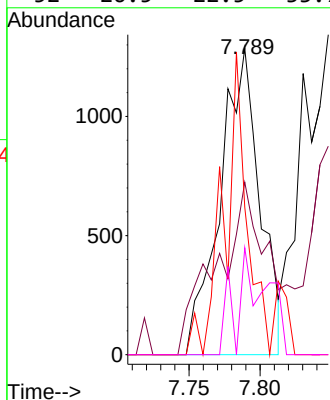
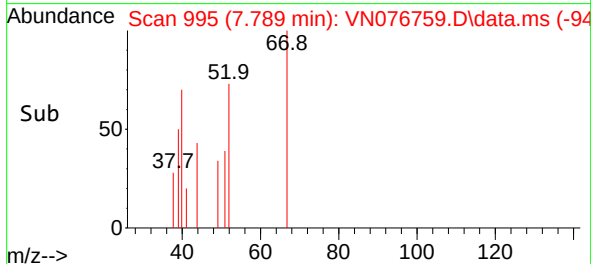
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion: 41 Resp: 2509
Ion Ratio Lower Upper
41 100
39 76.3 42.6 63.8
67 56.5 51.4 77.0
52 26.5 22.5 33.7

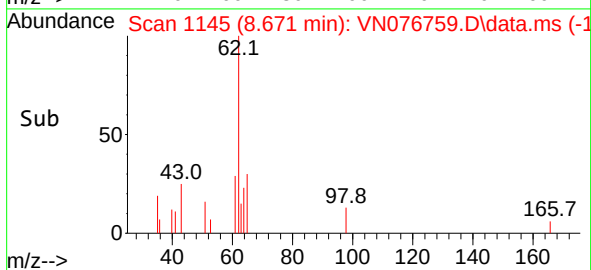
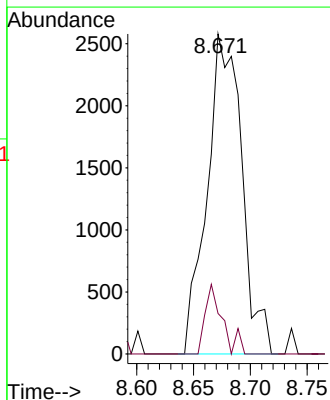
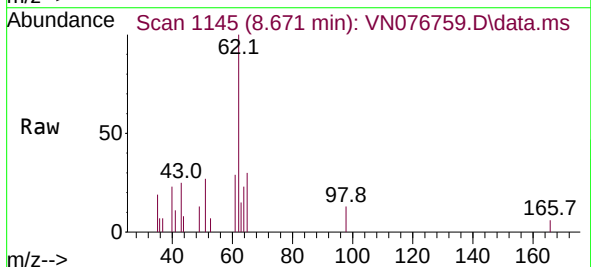
Manual Integrations
APPROVED

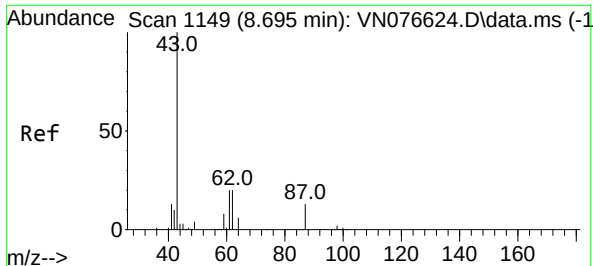
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#42
1,2-Dichloroethane
Concen: 1.169 ug/l
RT: 8.671 min Scan# 1145
Delta R.T. -0.007 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion: 62 Resp: 5497
Ion Ratio Lower Upper
62 100
98 10.8 0.0 19.2





#43

Isopropyl Acetate

Concen: 0.889 ug/l

RT: 8.701 min Scan# 1149

Delta R.T. 0.006 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

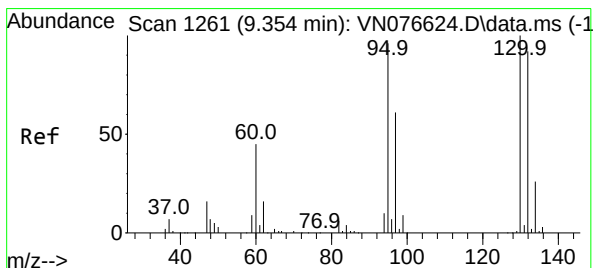
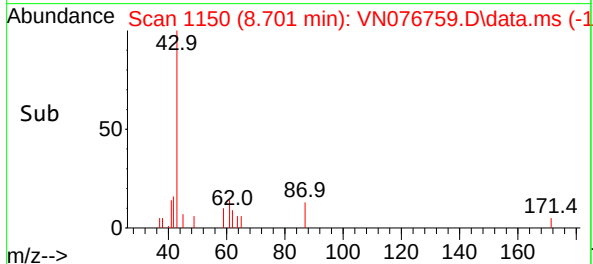
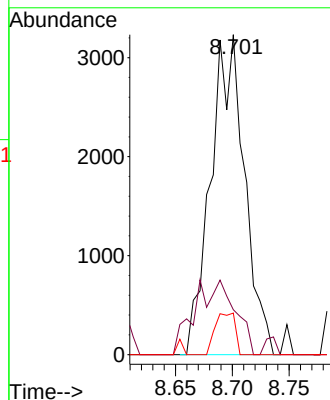
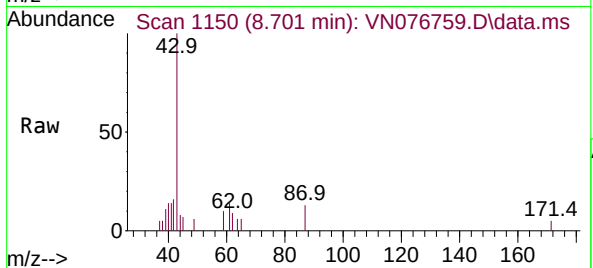
Tgt Ion: 43	Resp: 668
Ion Ratio	Lower Upper
43 100	
61 0.0	20.0 30.0
87 7.7	9.9 14.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#44

Trichloroethene

Concen: 0.977 ug/l

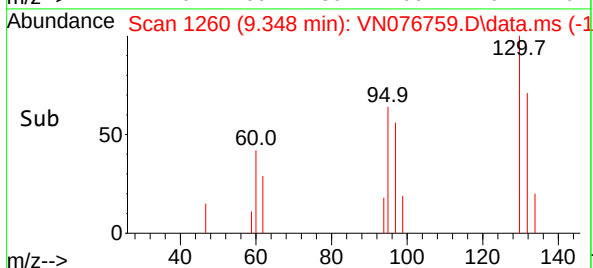
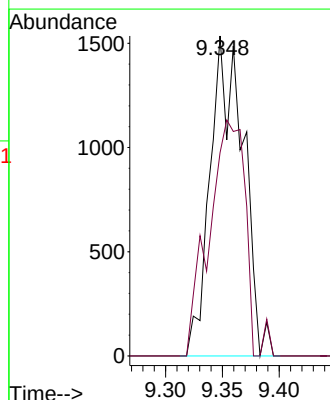
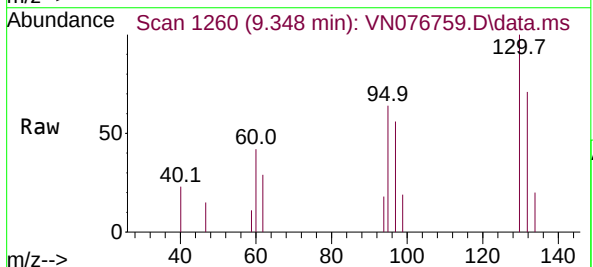
RT: 9.348 min Scan# 1260

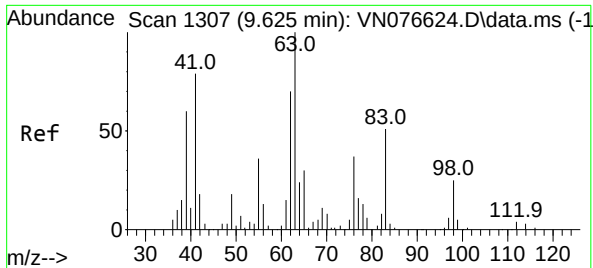
Delta R.T. -0.006 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Tgt Ion:130	Resp: 3115
Ion Ratio	Lower Upper
130 100	
95 63.5	0.0 191.4





#45

1,2-Dichloropropane

Concen: 0.898 ug/l

RT: 9.624 min Scan# 1307

Delta R.T. -0.001 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Instrument :

MSVOA_N

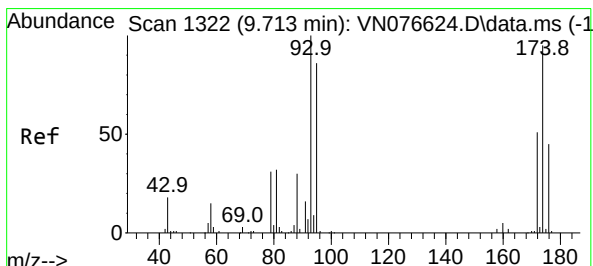
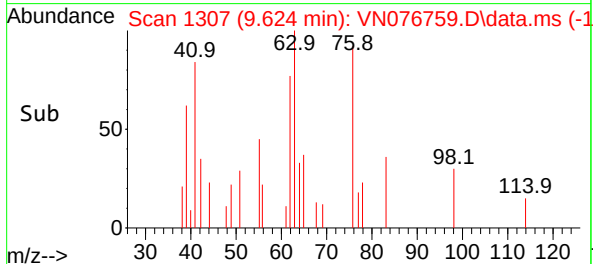
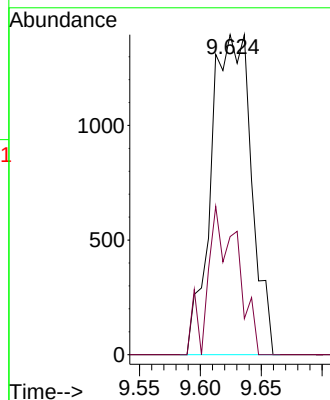
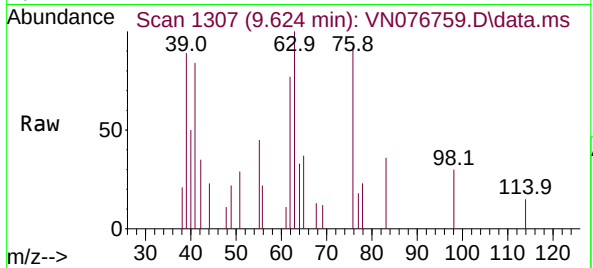
ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion: 63 Resp: 320
 Ion Ratio Lower Upper
 63 100
 65 36.9 24.2 36.2

Manual Integrations
 APPROVED

Reviewed By :John Carlone 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023



#46

Dibromomethane

Concen: 0.958 ug/l

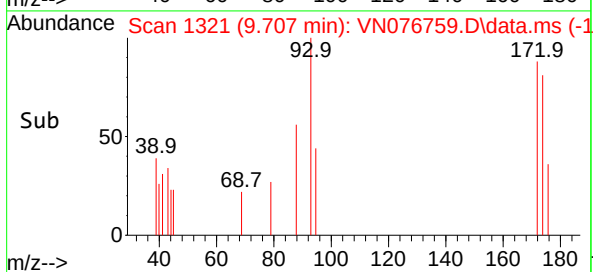
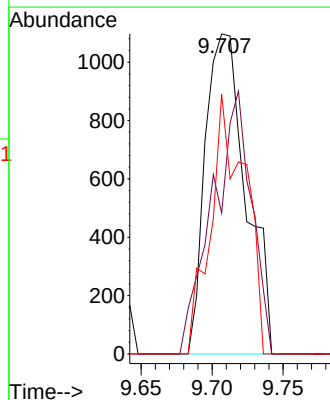
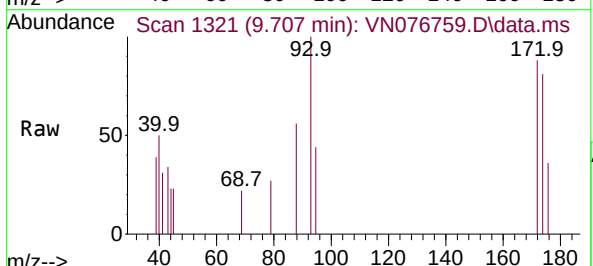
RT: 9.707 min Scan# 1321

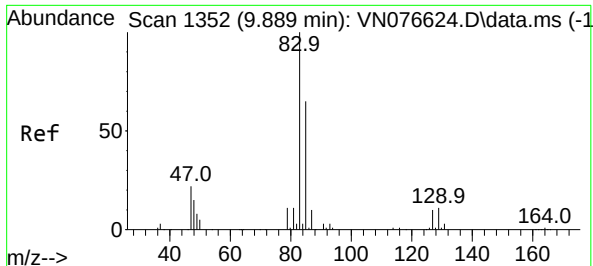
Delta R.T. -0.006 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Tgt Ion: 93 Resp: 2187
 Ion Ratio Lower Upper
 93 100
 95 78.6 66.0 99.0
 174 69.2 75.8 113.8





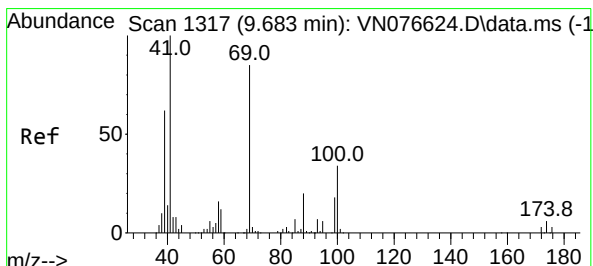
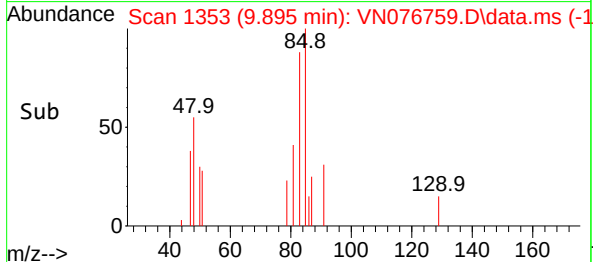
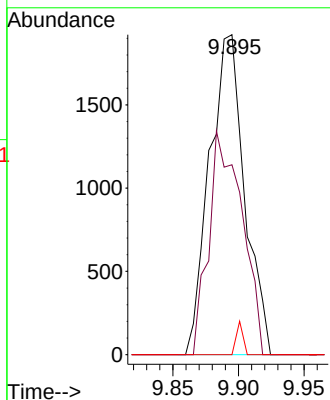
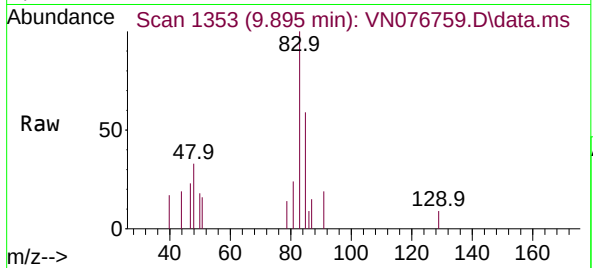
#47
Bromodichloromethane
Concen: 0.783 ug/l
RT: 9.895 min Scan# 1352
Delta R.T. 0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 83 Resp: 358
Ion Ratio Lower Upper
83 100
85 59.4 51.8 77.6
127 0.0 7.9 11.9

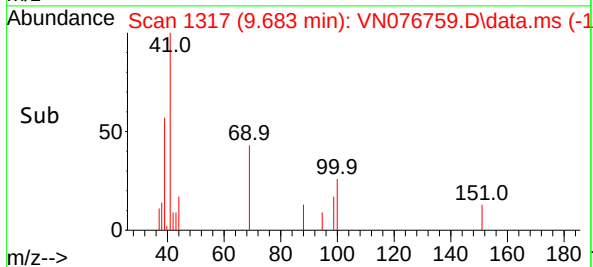
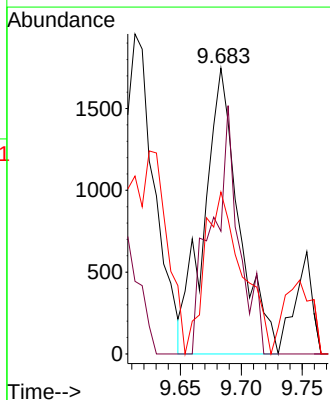
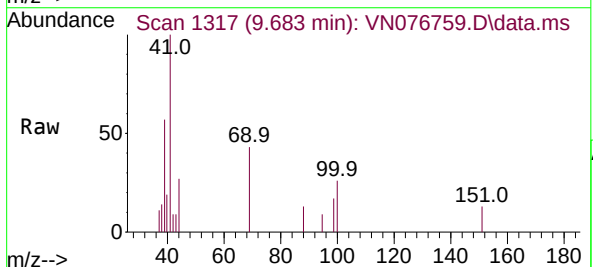
Manual Integrations
APPROVED

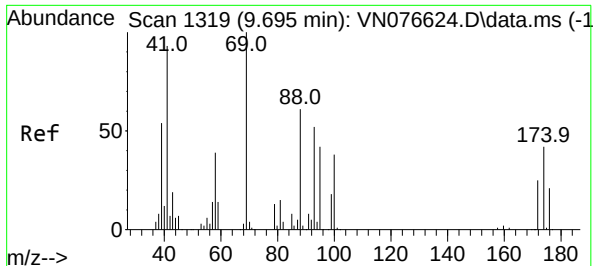
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#48
Methyl methacrylate
Concen: 0.977 ug/l
RT: 9.683 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion: 41 Resp: 3486
Ion Ratio Lower Upper
41 100
69 66.7 65.4 98.0
39 61.0 49.3 73.9





#49

1,4-Dioxane

Concen: 20.400 ug/l m

RT: 9.707 min Scan# 1

Delta R.T. 0.012 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion: 88 Resp: 1259

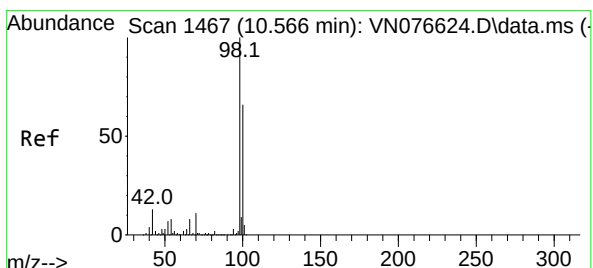
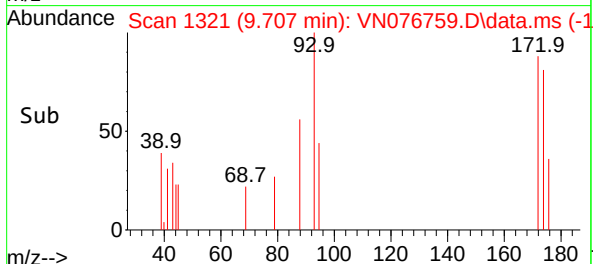
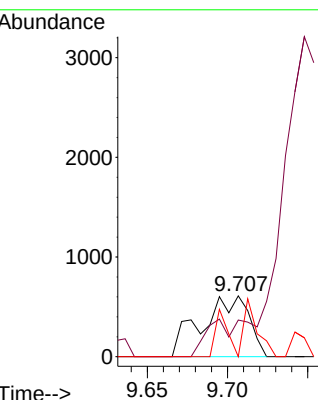
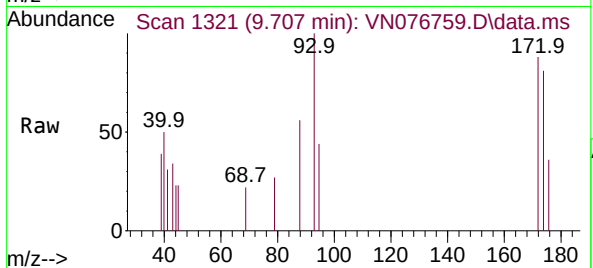
Ion	Ratio	Lower	Upper
88	100		
43	29.3	22.6	33.8
58	19.7	57.6	86.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#50

Toluene-d8

Concen: 48.807 ug/l

RT: 10.571 min Scan# 1468

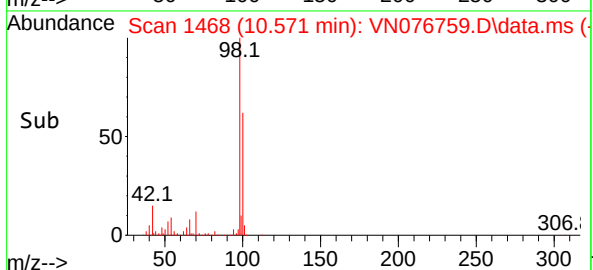
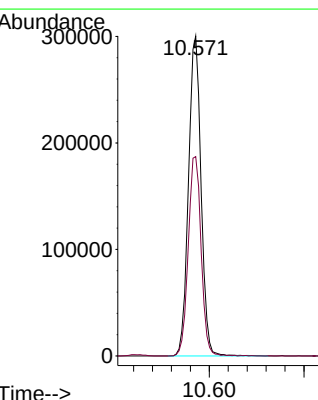
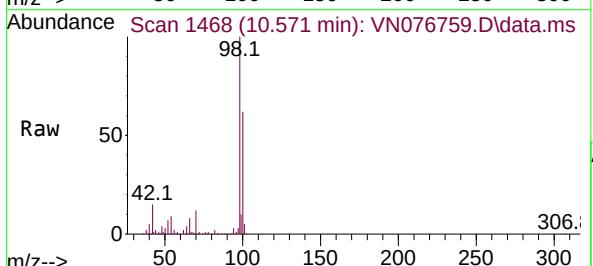
Delta R.T. 0.005 min

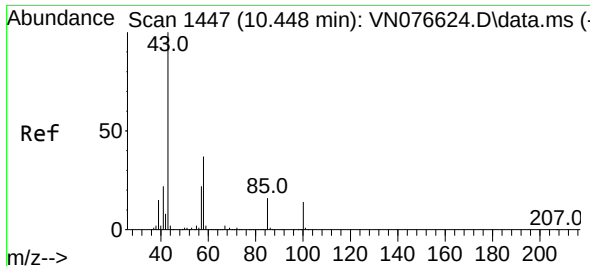
Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Tgt Ion: 98 Resp: 554018

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 3.962 ug/l

RT: 10.448 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion: 43 Resp: 1895

Ion Ratio Lower Upper

43 100

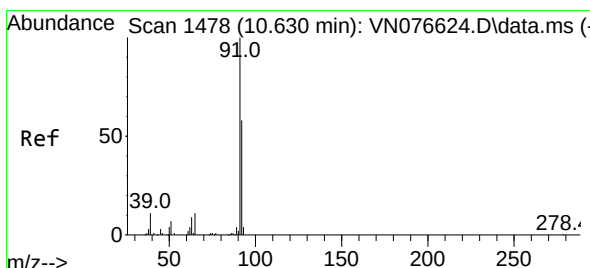
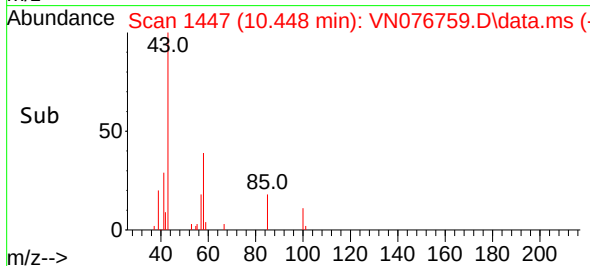
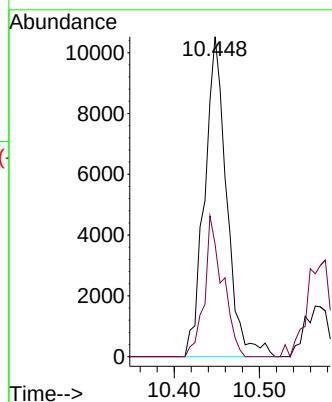
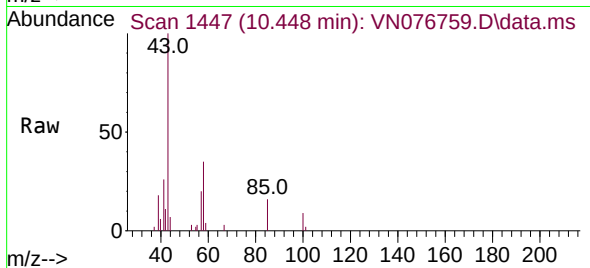
58 36.2 29.5 44.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#52

Toluene

Concen: 0.908 ug/l

RT: 10.636 min Scan# 1479

Delta R.T. 0.006 min

Lab File: VN076759.D

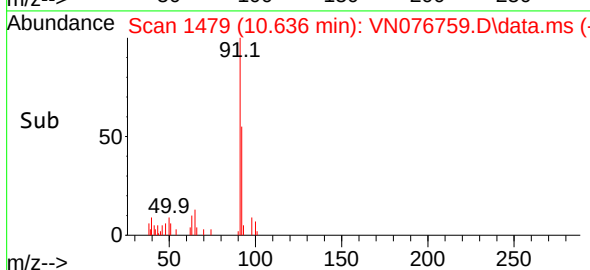
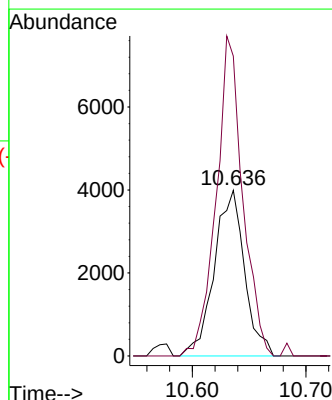
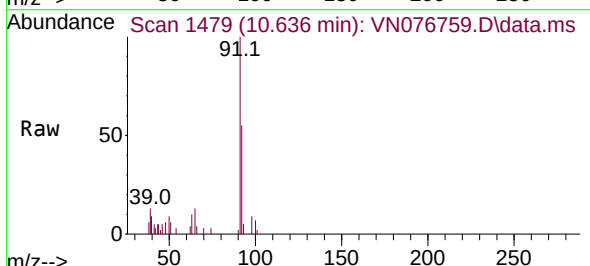
Acq: 21 Feb 2023 18:48

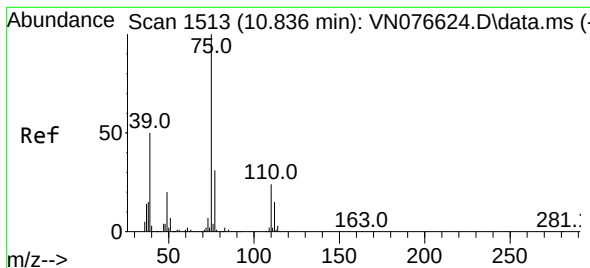
Tgt Ion: 92 Resp: 7395

Ion Ratio Lower Upper

92 100

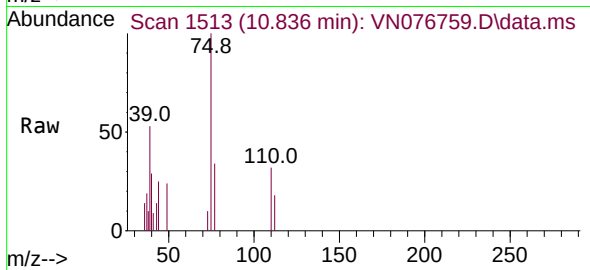
91 169.7 138.0 207.0





#53
t-1,3-Dichloropropene
Concen: 0.756 ug/l
RT: 10.836 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

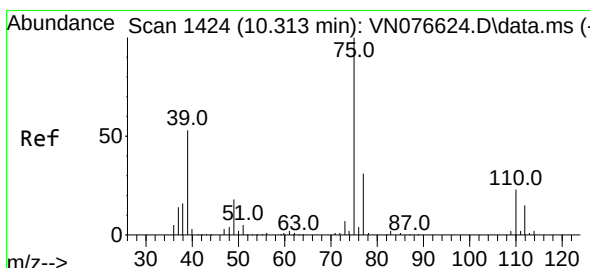
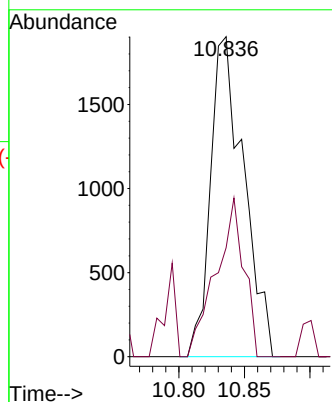
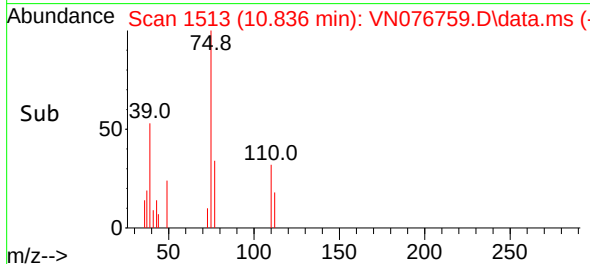
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



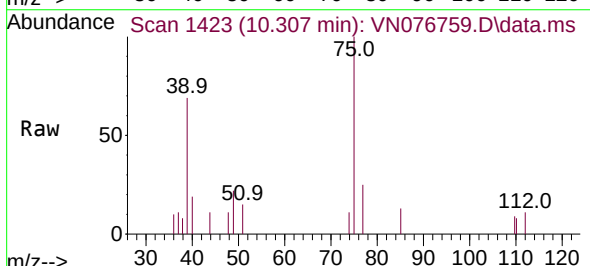
Tgt Ion: 75 Resp: 334
Ion Ratio Lower Upper
75 100
77 34.1 24.6 37.0

Manual Integrations
APPROVED

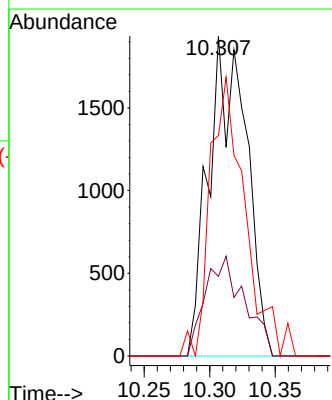
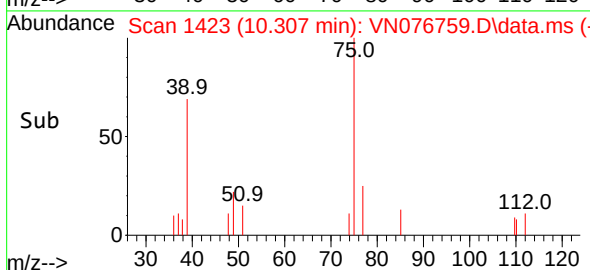
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

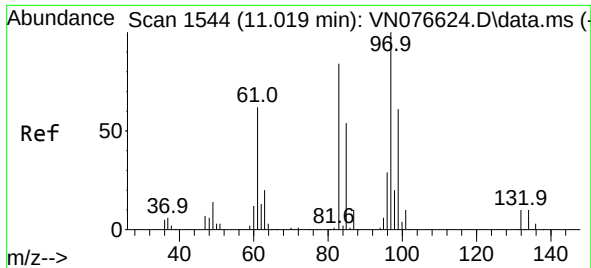


#54
cis-1,3-Dichloropropene
Concen: 0.760 ug/l
RT: 10.307 min Scan# 1423
Delta R.T. -0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48



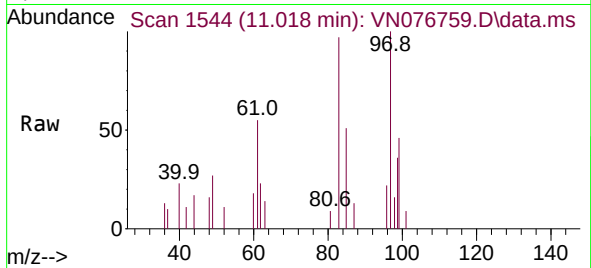
Tgt Ion: 75 Resp: 3873
Ion Ratio Lower Upper
75 100
77 24.9 25.1 37.7#
39 68.9 42.3 63.5#





#55
1,1,2-Trichloroethane
Concen: 0.971 ug/l
RT: 11.018 min Scan# 1519
Delta R.T. -0.001 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

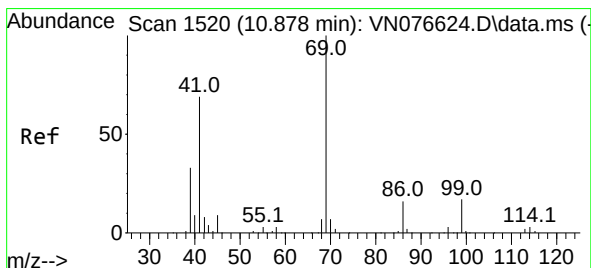
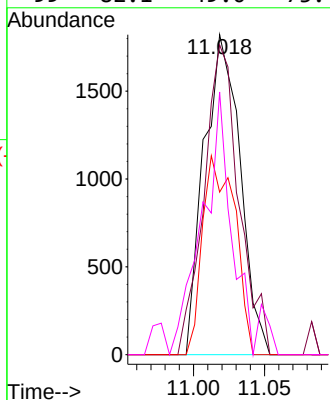
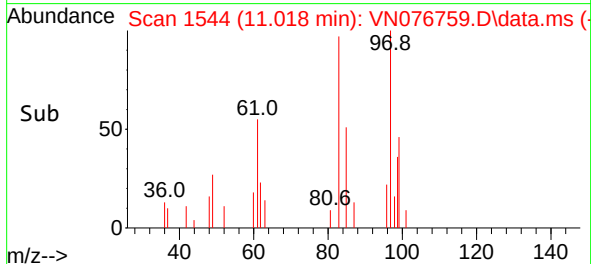
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT1-2023



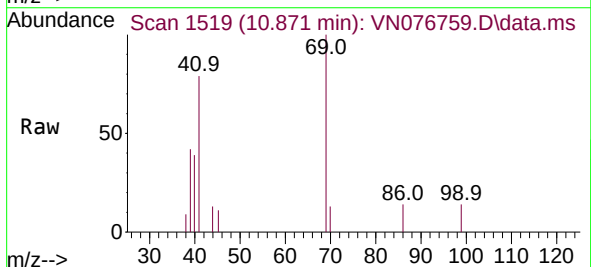
Tgt Ion	Ratio	Lower	Upper
97	100		
83	96.8	67.3	100.9
85	50.8	43.2	64.8
99	82.1	49.0	73.4

Manual Integrations
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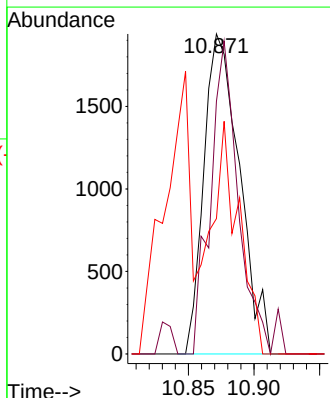
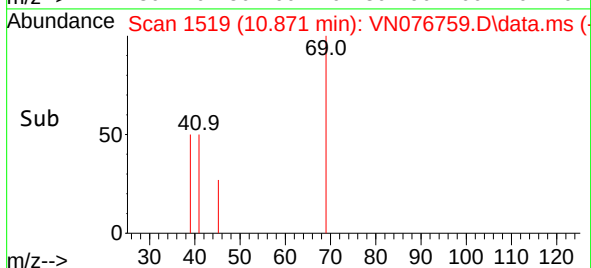
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

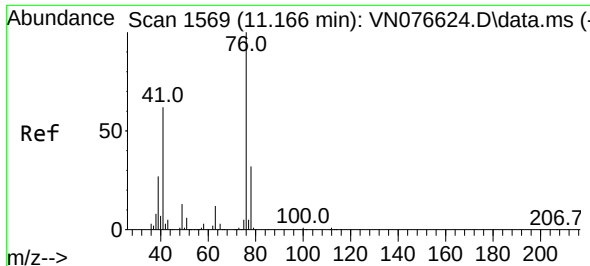


#56
Ethyl methacrylate
Concen: 0.788 ug/l
RT: 10.871 min Scan# 1519
Delta R.T. -0.007 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48



Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.0	55.1	82.7
39	52.3	30.7	46.1





#57

1,3-Dichloropropane

Concen: 0.870 ug/l

RT: 11.165 min Scan# 1569

Delta R.T. -0.001 min

Lab File: VN076759.D

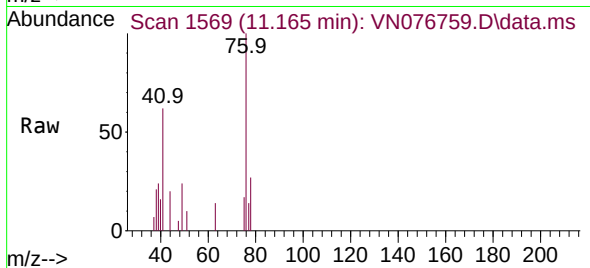
Acq: 21 Feb 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023



Tgt Ion: 76 Resp: 4949

Ion Ratio Lower Upper

76 100

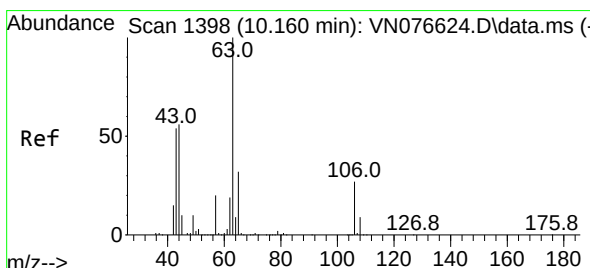
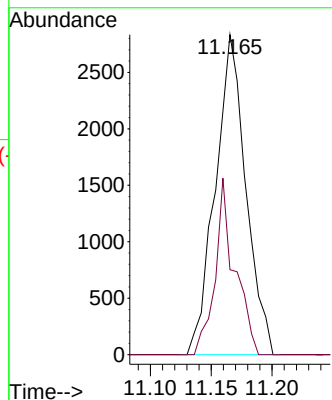
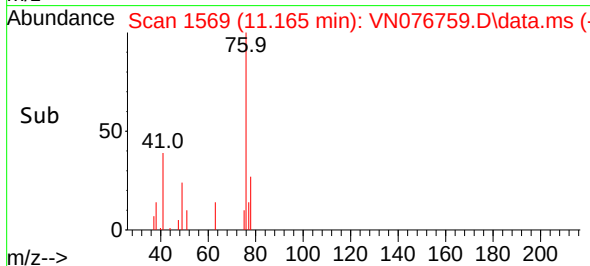
78 35.3 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#58

2-Chloroethyl Vinyl ether

Concen: 4.191 ug/l

RT: 10.166 min Scan# 1399

Delta R.T. 0.005 min

Lab File: VN076759.D

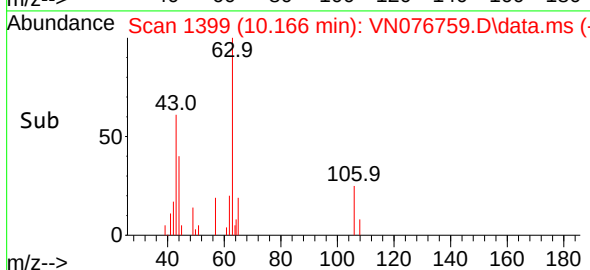
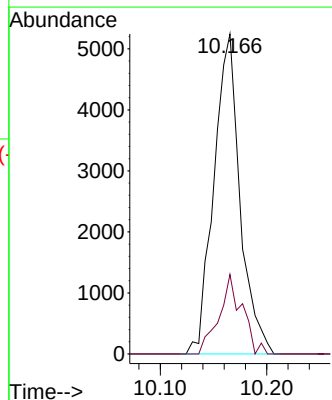
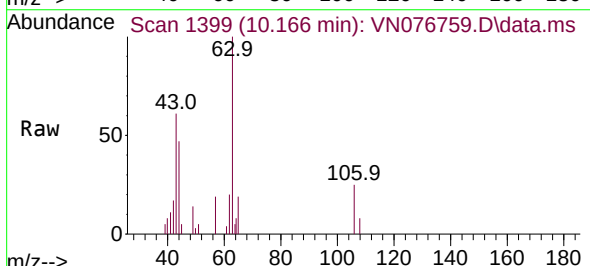
Acq: 21 Feb 2023 18:48

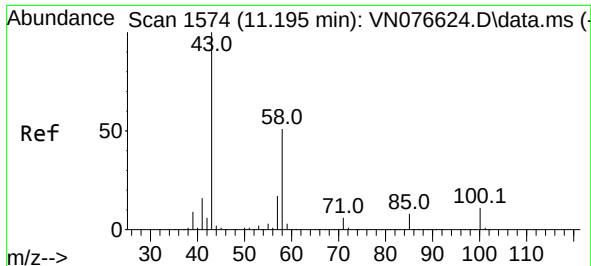
Tgt Ion: 63 Resp: 8944

Ion Ratio Lower Upper

63 100

106 21.8 22.3 33.5#





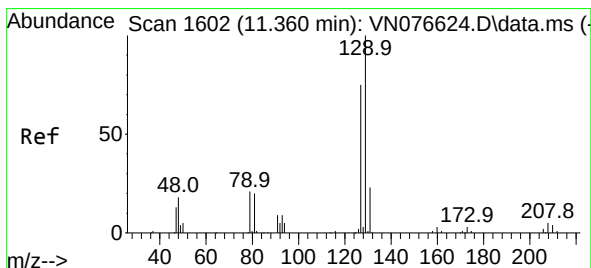
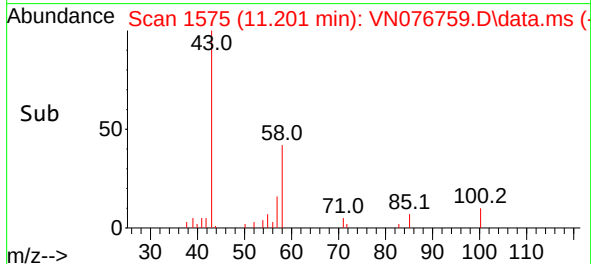
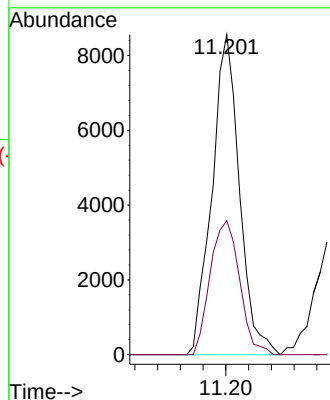
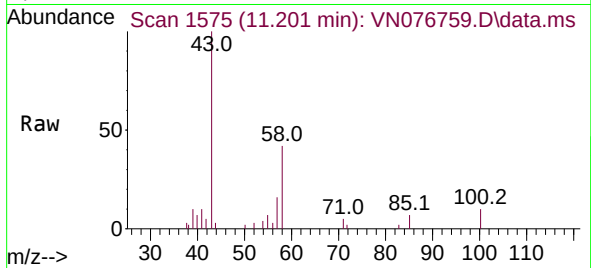
#59
2-Hexanone
Concen: 4.181 ug/l
RT: 11.201 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 43 Resp: 1442
Ion Ratio Lower Upper
43 100
58 44.7 25.4 76.0

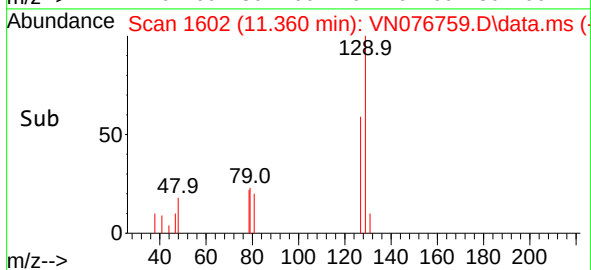
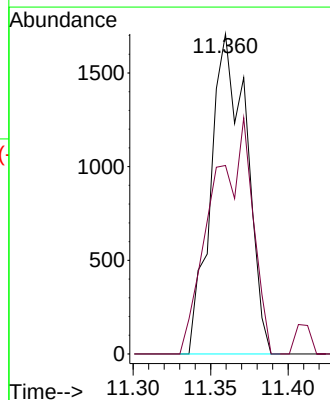
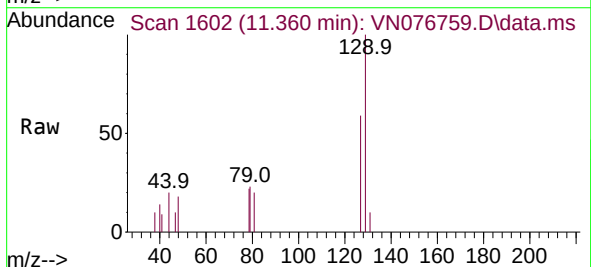
Manual Integrations
APPROVED

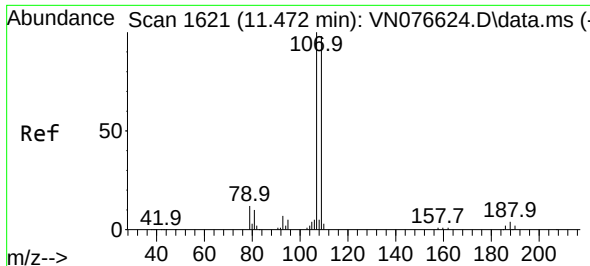
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#60
Dibromochloromethane
Concen: 0.784 ug/l
RT: 11.360 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion:129 Resp: 2735
Ion Ratio Lower Upper
129 100
127 83.6 38.8 116.4





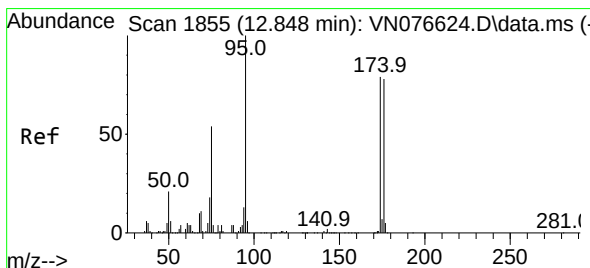
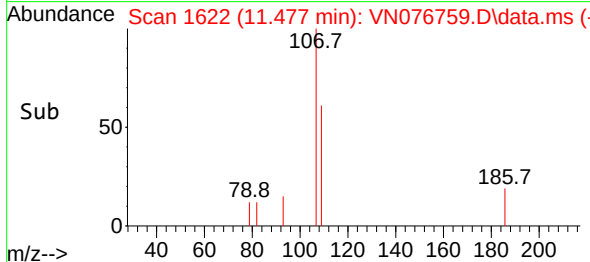
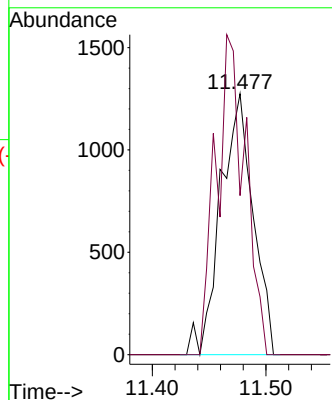
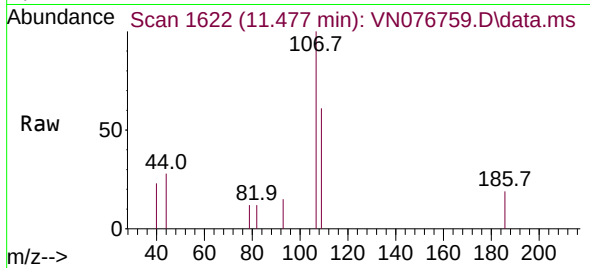
#61
1,2-Dibromoethane
Concen: 0.766 ug/l
RT: 11.477 min Scan# 1621
Delta R.T. 0.005 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion:107 Resp: 253
Ion Ratio Lower Upper
107 100
109 109.5 76.8 115.2

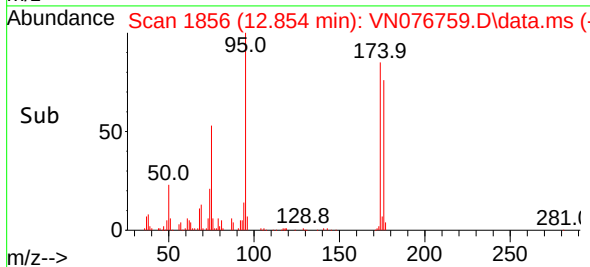
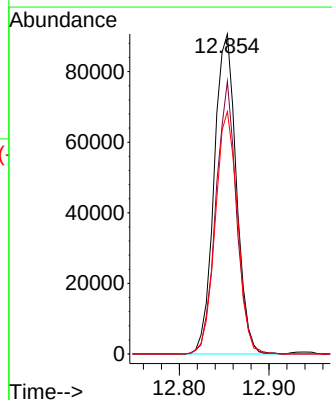
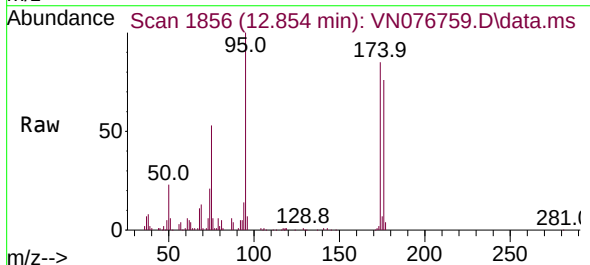
Manual Integrations
APPROVED

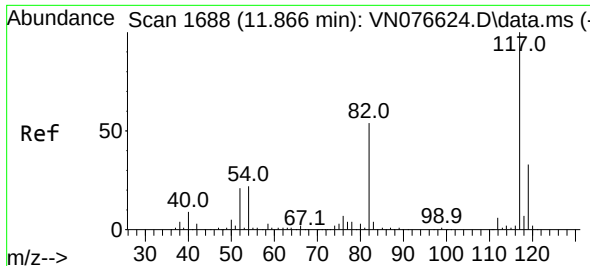
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#62
4-Bromofluorobenzene
Concen: 41.365 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

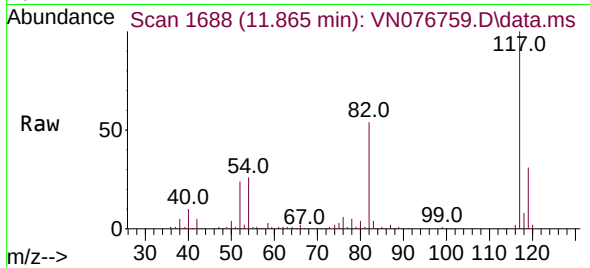
Tgt Ion: 95 Resp: 155512
Ion Ratio Lower Upper
95 100
174 79.2 0.0 169.2
176 75.8 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

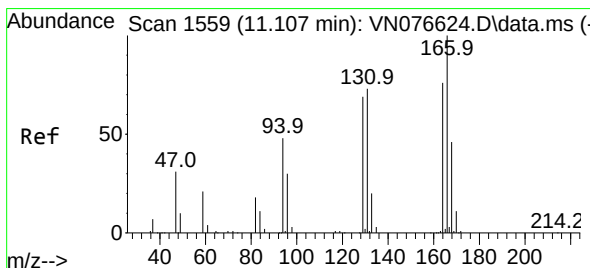
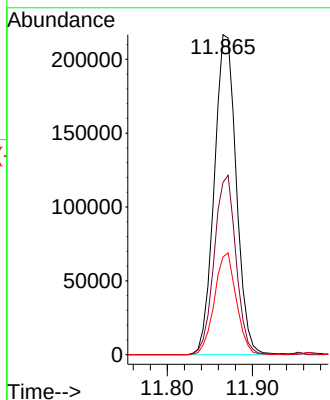
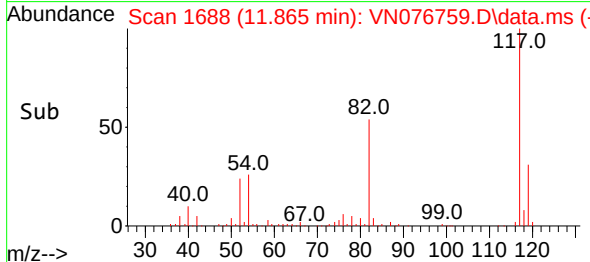
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion:117 Resp: 389260
Ion Ratio Lower Upper
117 100
82 53.9 43.4 65.2
119 30.5 26.1 39.1

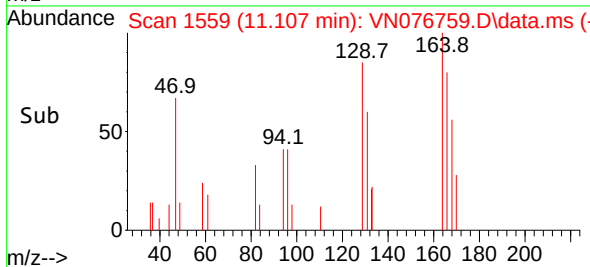
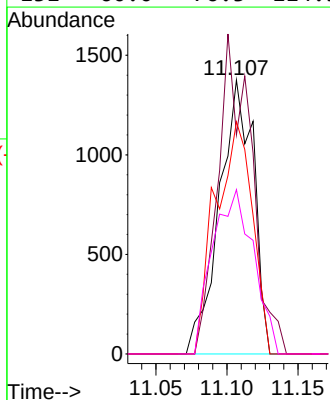
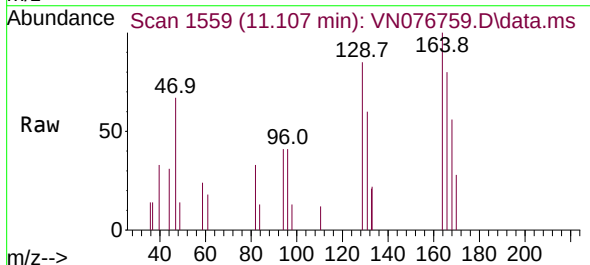
Manual Integrations
APPROVED

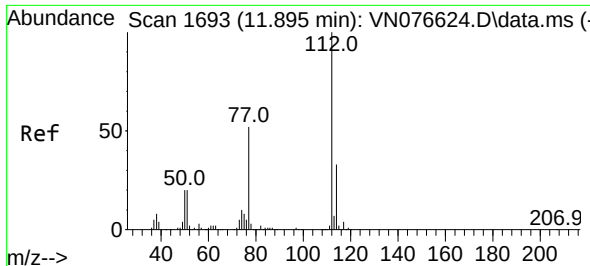
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#64
Tetrachloroethene
Concen: 0.938 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion:164 Resp: 2300
Ion Ratio Lower Upper
164 100
166 80.0 104.8 157.2#
129 84.7 72.2 108.2
131 60.0 76.3 114.5#





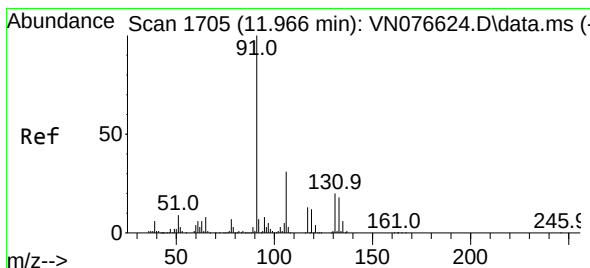
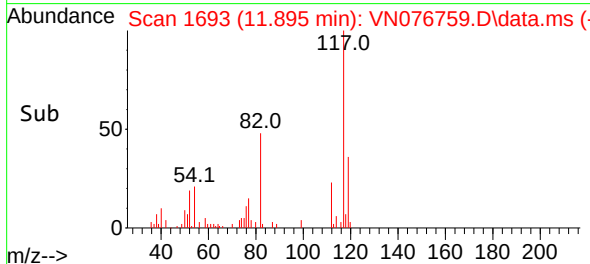
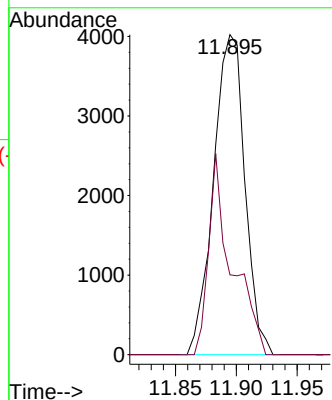
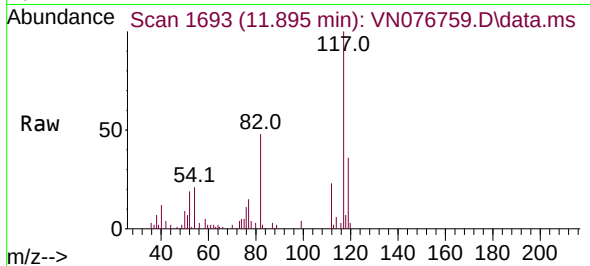
#65
Chlorobenzene
Concen: 0.875 ug/l
RT: 11.895 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion:112 Resp: 7215
Ion Ratio Lower Upper
112 100
114 25.0 26.4 39.6

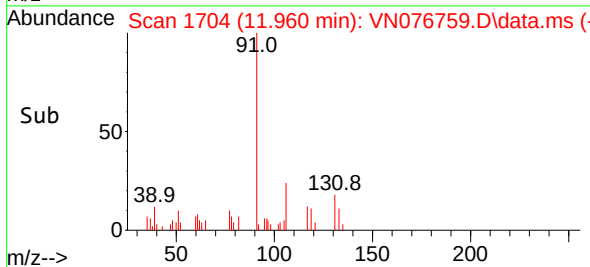
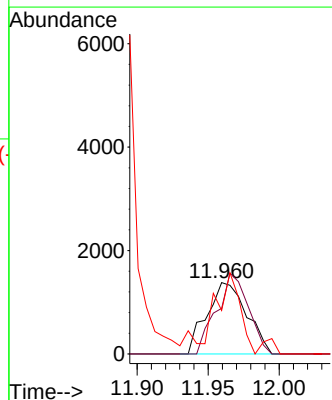
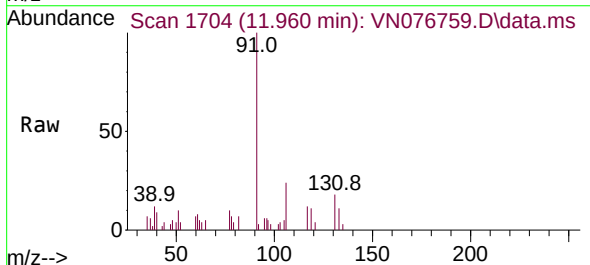
Manual Integrations
APPROVED

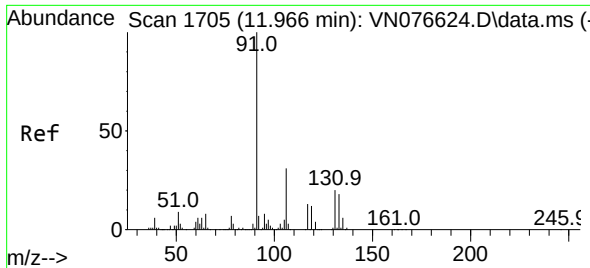
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 0.899 ug/l
RT: 11.960 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion:131 Resp: 2693
Ion Ratio Lower Upper
131 100
133 89.9 47.0 141.0
119 0.0 32.3 96.8





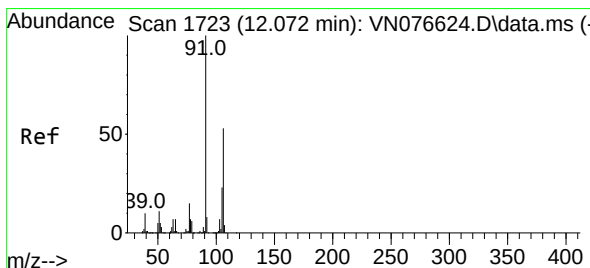
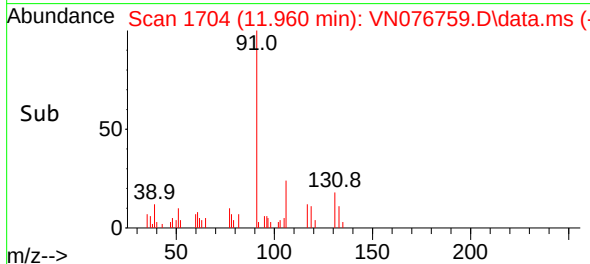
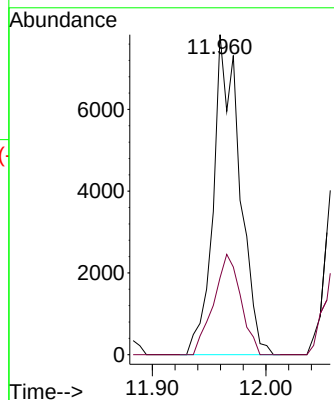
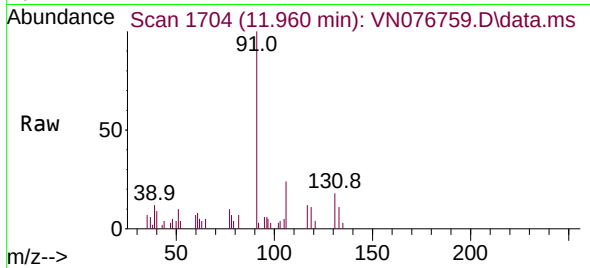
#67
Ethyl Benzene
Concen: 0.900 ug/l
RT: 11.960 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 91 Resp: 12648
Ion Ratio Lower Upper
91 100
106 24.0 25.1 37.7

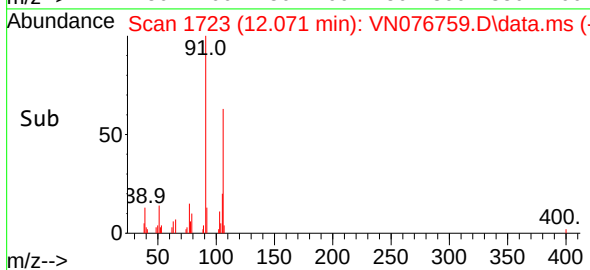
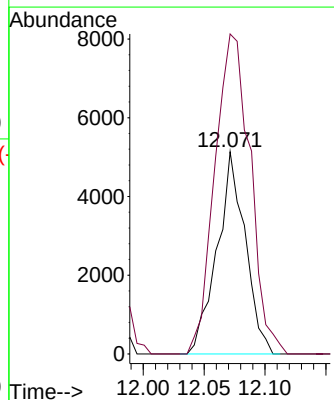
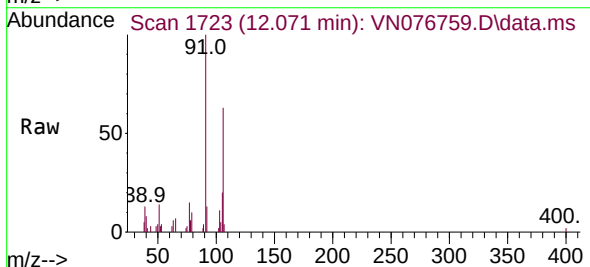
Manual Integrations
APPROVED

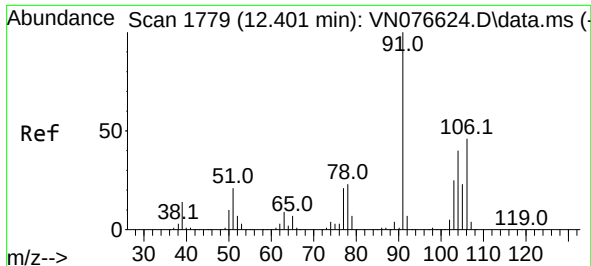
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#68
m/p-Xylenes
Concen: 1.528 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.001 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion:106 Resp: 8277
Ion Ratio Lower Upper
106 100
91 198.7 154.7 232.1





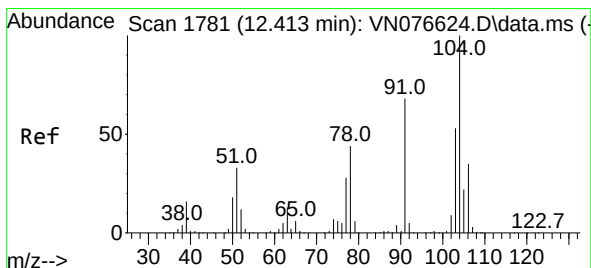
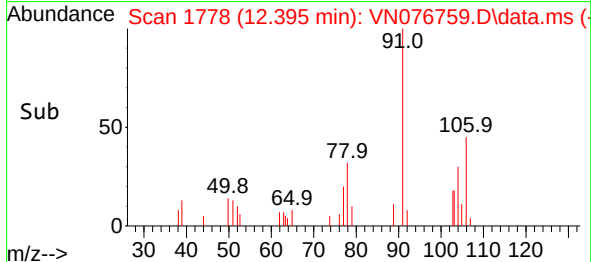
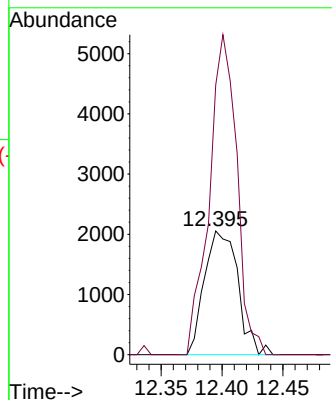
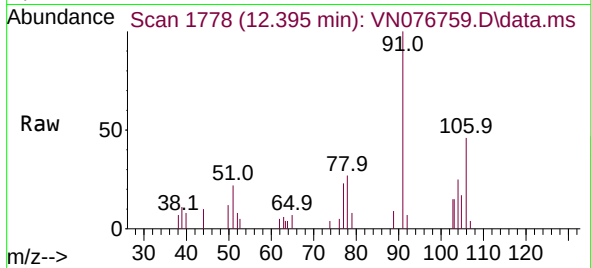
#69
o-Xylene
Concen: 0.741 ug/l
RT: 12.395 min Scan# 1778
Delta R.T. -0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion:106 Resp: 391
Ion Ratio Lower Upper
106 100
91 214.7 105.8 317.4

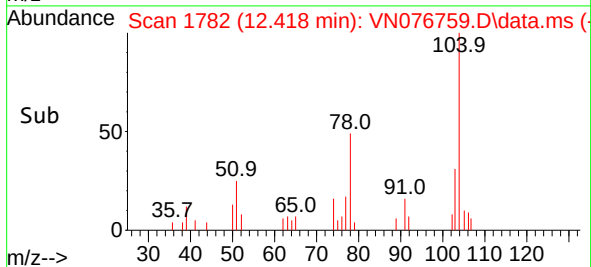
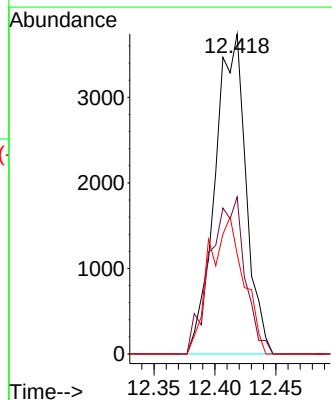
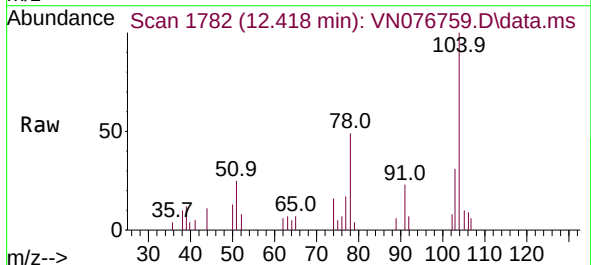
Manual Integrations
APPROVED

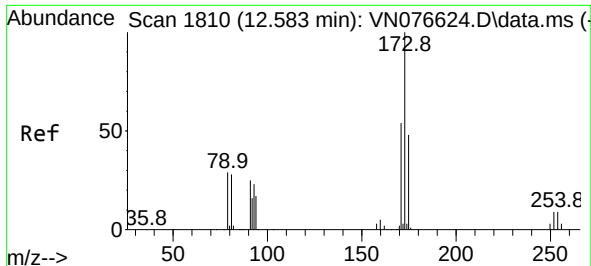
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#70
Styrene
Concen: 0.773 ug/l
RT: 12.418 min Scan# 1782
Delta R.T. 0.005 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

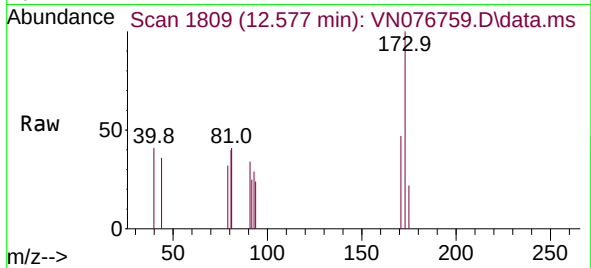
Tgt Ion:104 Resp: 6605
Ion Ratio Lower Upper
104 100
78 54.5 38.2 57.4
103 47.9 44.2 66.4





#71
Bromoform
Concen: 0.599 ug/l
RT: 12.577 min Scan# 1810
Delta R.T. -0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

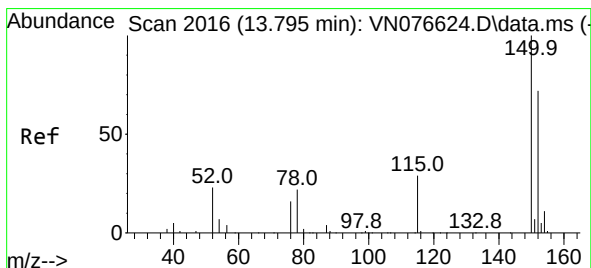
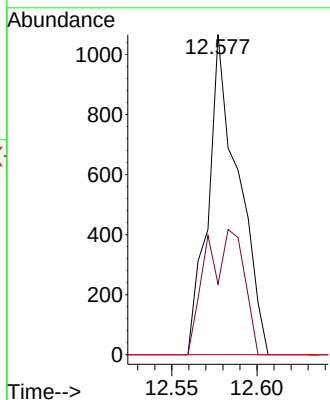
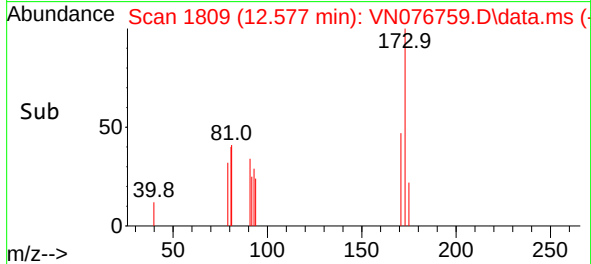
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



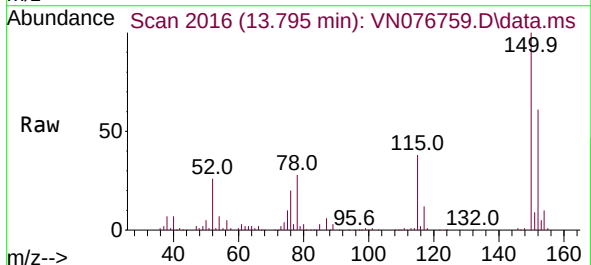
Tgt Ion:173 Resp: 1310
Ion Ratio Lower Upper
173 100
175 48.9 24.9 74.7
254 0.0 0.1 0.1

Manual Integrations
APPROVED

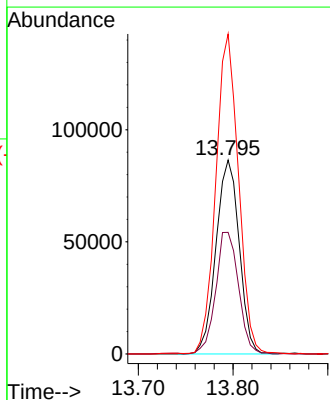
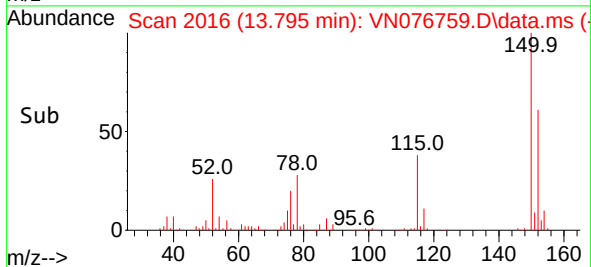
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

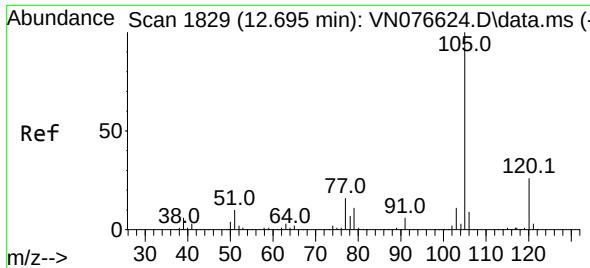


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48



Tgt Ion:152 Resp: 147167
Ion Ratio Lower Upper
152 100
115 61.7 29.3 87.9
150 161.0 0.0 349.8





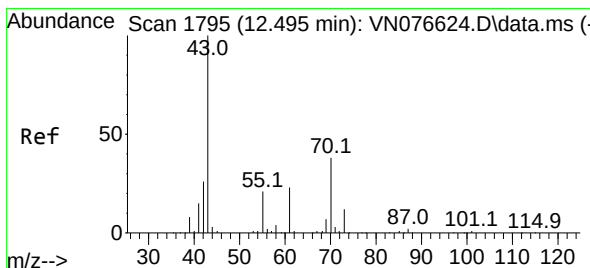
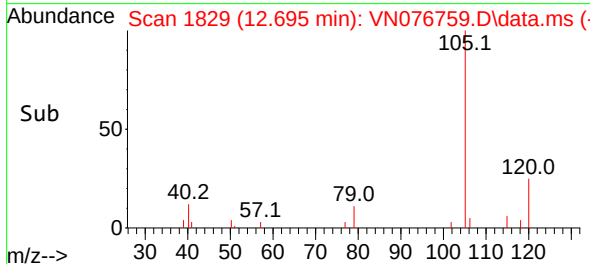
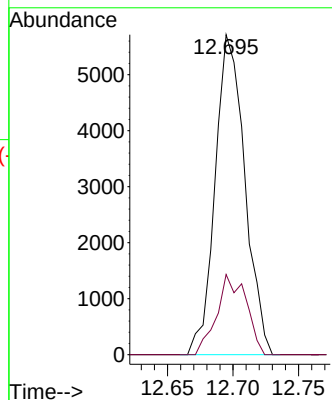
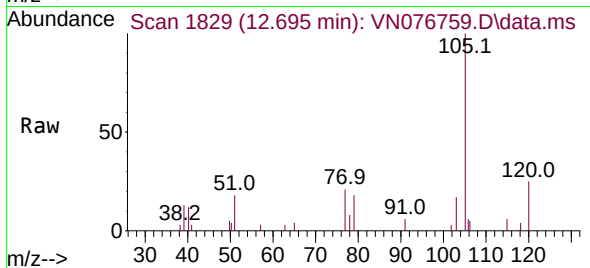
#73
Isopropylbenzene
Concen: 0.835 ug/l
RT: 12.695 min Scan# 1829
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT1-2023

Tgt Ion:105 Resp: 9004
Ion Ratio Lower Upper
105 100
120 24.8 13.7 41.0

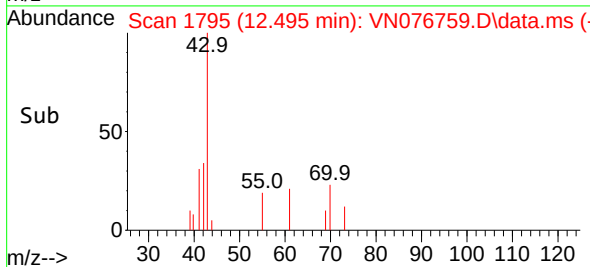
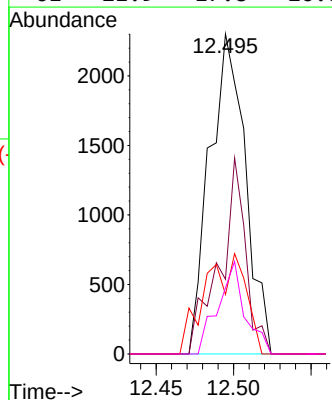
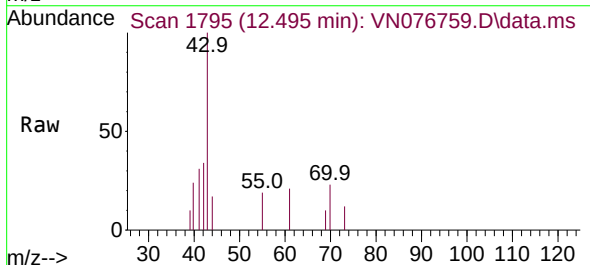
Manual Integrations
APPROVED

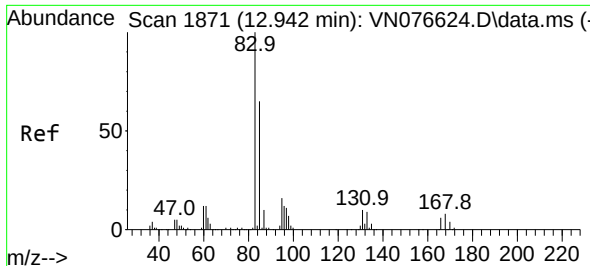
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#74
N-ethyl acetate
Concen: 0.758 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion: 43 Resp: 3686
Ion Ratio Lower Upper
43 100
70 44.5 30.5 45.7
55 20.9 17.8 26.8
61 21.9 17.8 26.8





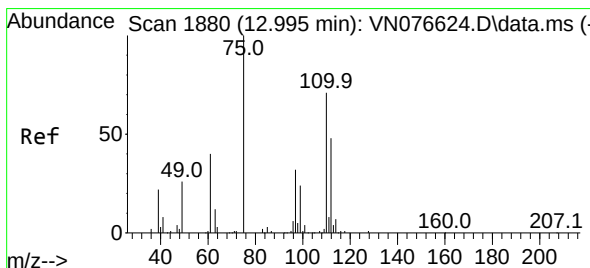
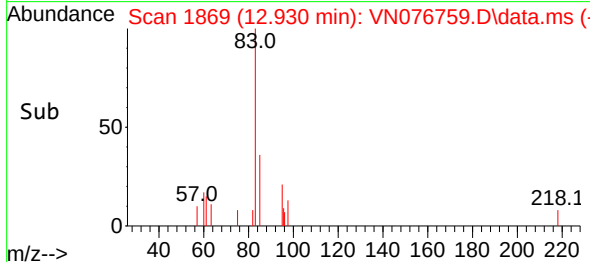
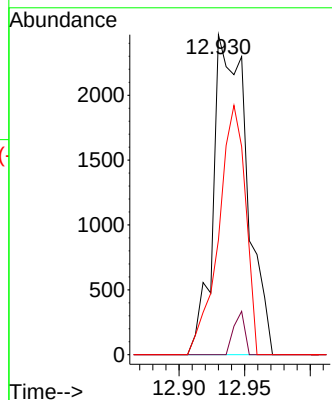
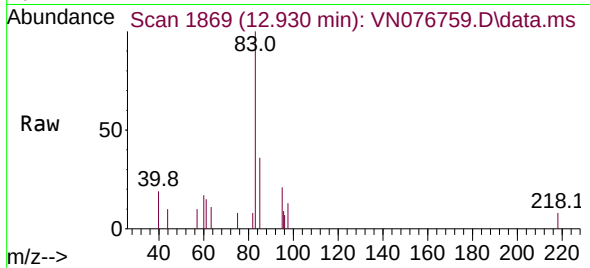
#75
1,1,2,2-Tetrachloroethane
Concen: 1.123 ug/l
RT: 12.930 min Scan# 1869
Delta R.T. -0.012 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 83 Resp: 438
Ion Ratio Lower Upper
83 100
131 4.4 5.0 15.0
85 62.7 31.8 95.3

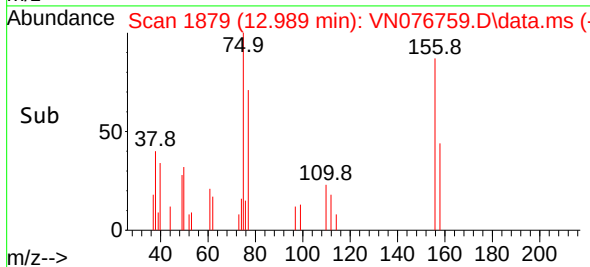
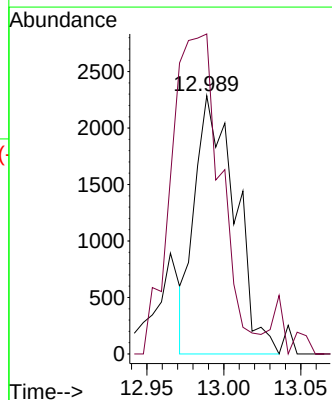
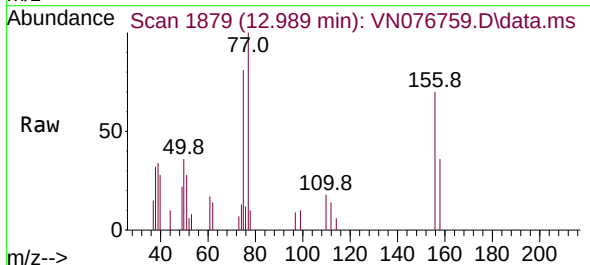
Manual Integrations
APPROVED

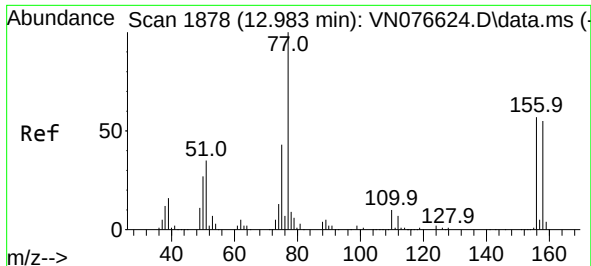
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#76
1,2,3-Trichloropropane
Concen: 1.402 ug/l m
RT: 12.989 min Scan# 1879
Delta R.T. -0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion: 75 Resp: 4172
Ion Ratio Lower Upper
75 100
77 152.8 93.1 279.3





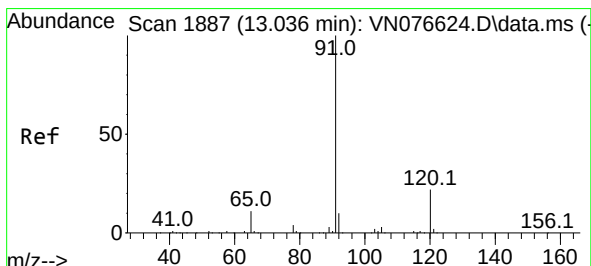
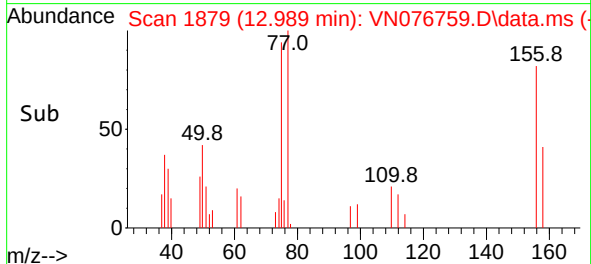
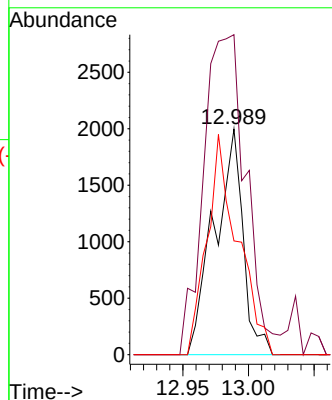
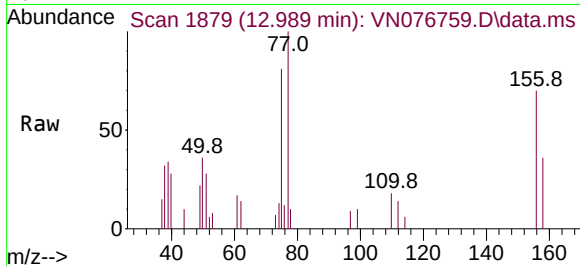
#77
Bromobenzene
Concen: 1.131 ug/l
RT: 12.989 min Scan# 1879
Delta R.T. 0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion:156 Resp: 304
Ion Ratio Lower Upper
156 100
77 209.5 102.8 308.4
158 104.2 48.9 146.6

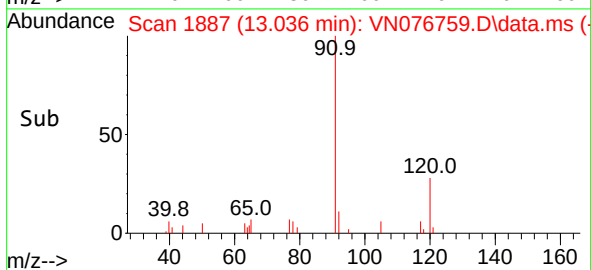
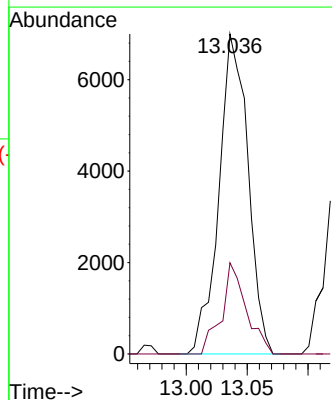
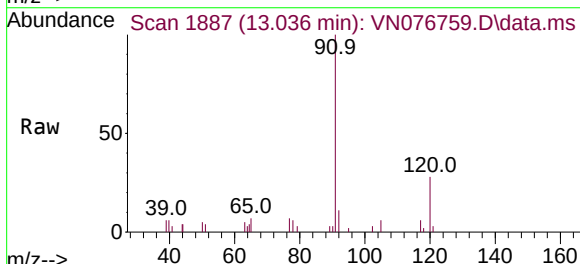
Manual Integrations
APPROVED

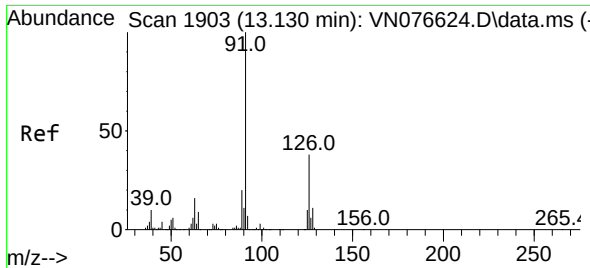
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#78
n-propylbenzene
Concen: 0.919 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion: 91 Resp: 11635
Ion Ratio Lower Upper
91 100
120 24.2 11.5 34.5





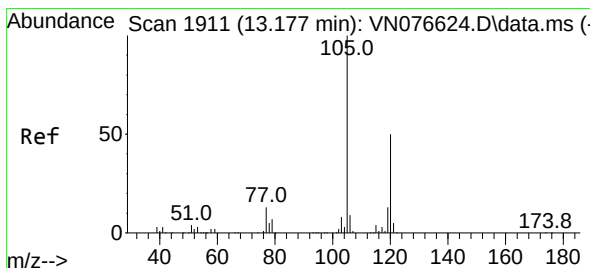
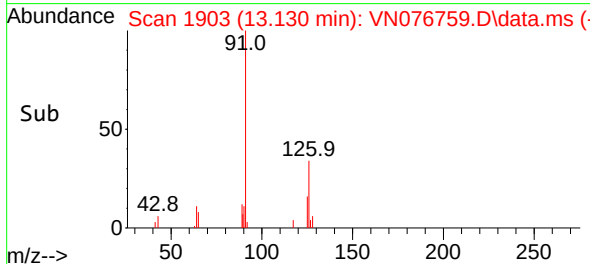
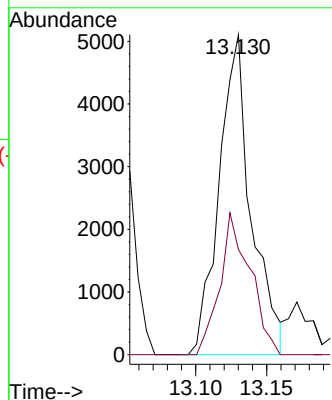
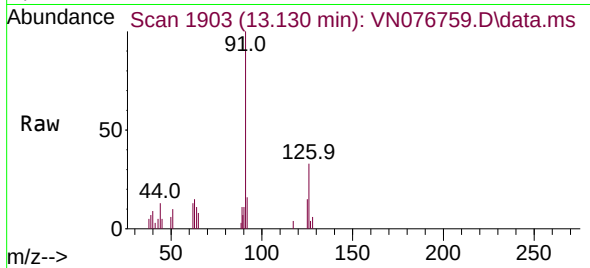
#79
2-Chlorotoluene
Concen: 1.032 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 91 Resp: 800
Ion Ratio Lower Upper
91 100
126 41.9 17.7 53.1

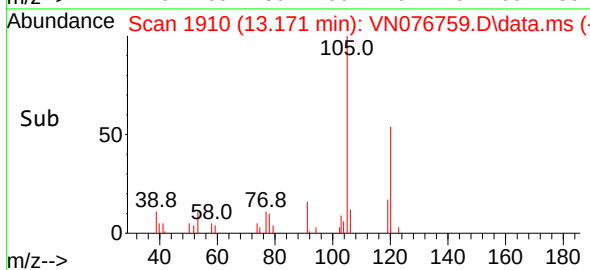
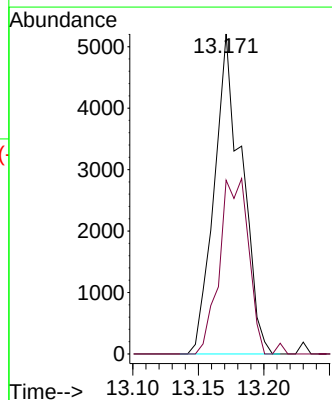
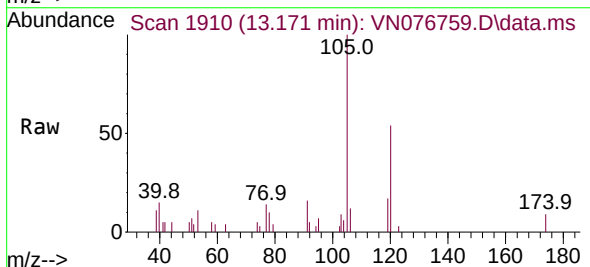
Manual Integrations
APPROVED

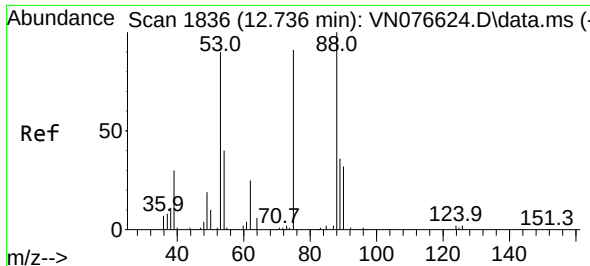
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#80
1,3,5-Trimethylbenzene
Concen: 0.854 ug/l
RT: 13.171 min Scan# 1910
Delta R.T. -0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

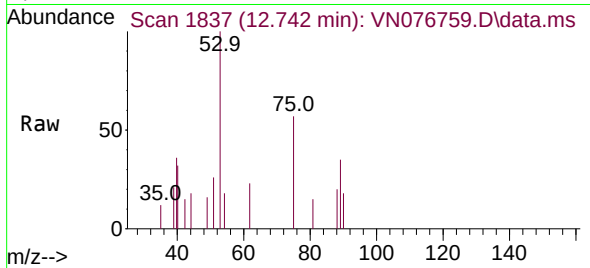
Tgt Ion:105 Resp: 7610
Ion Ratio Lower Upper
105 100
120 57.6 25.1 75.4





#81
trans-1,4-Dichloro-2-butene
Concen: 0.958 ug/l m
RT: 12.742 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

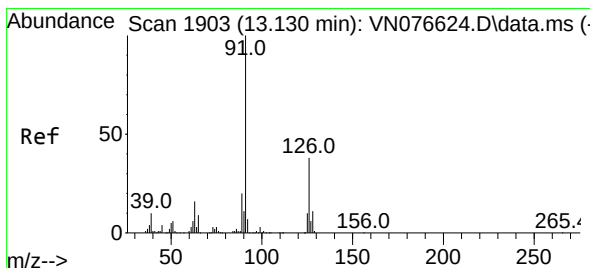
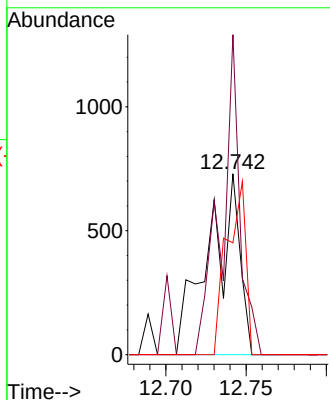
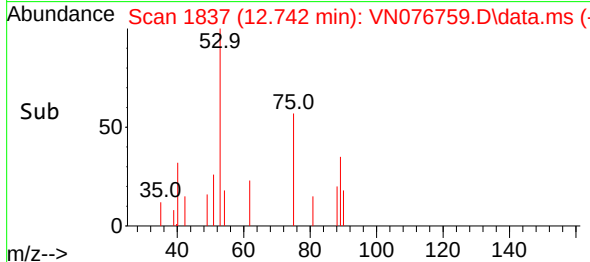
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion: 75 Resp: 979
Ion Ratio Lower Upper
75 100
53 0.0 92.1 138.1
89 17.2 37.5 56.3

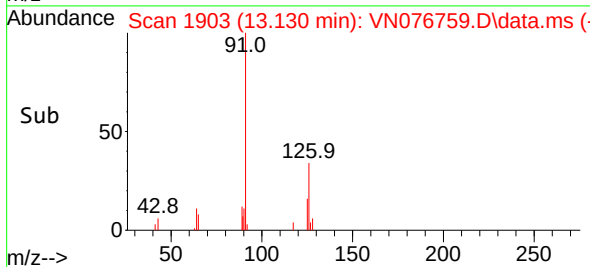
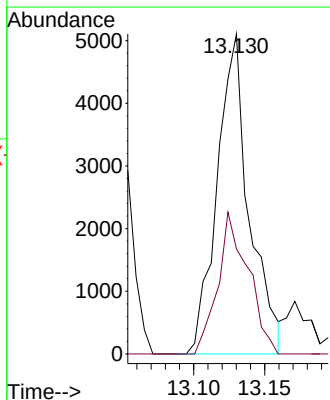
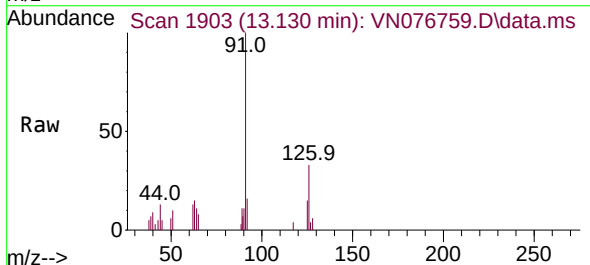
Manual Integrations
APPROVED

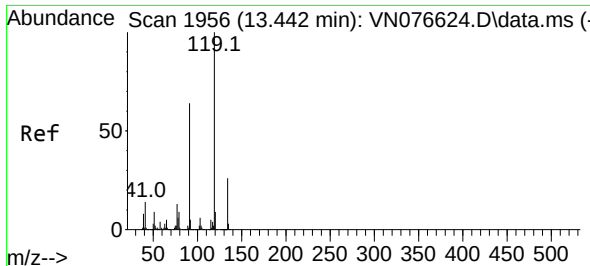
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#82
4-Chlorotoluene
Concen: 1.032 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

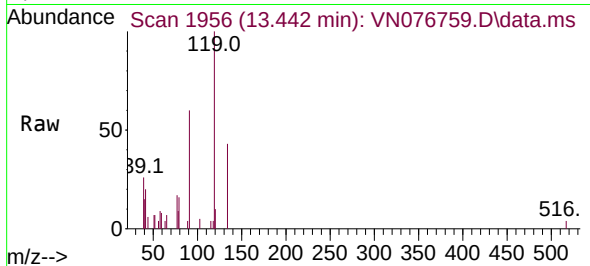
Tgt Ion: 91 Resp: 8007
Ion Ratio Lower Upper
91 100
126 41.9 17.7 53.1





#83
tert-Butylbenzene
Concen: 0.913 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

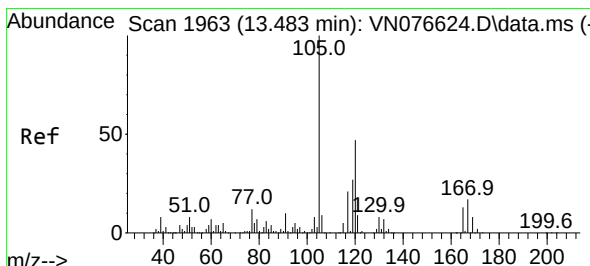
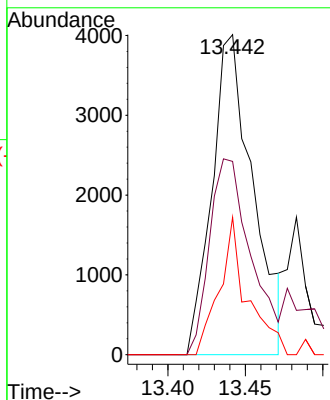
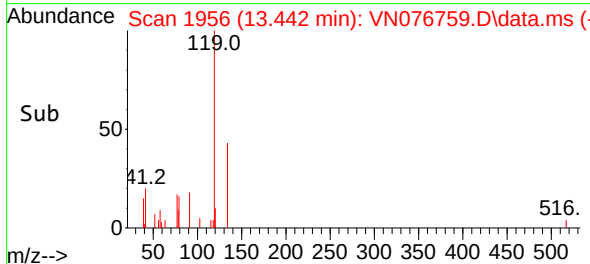
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT1-2023



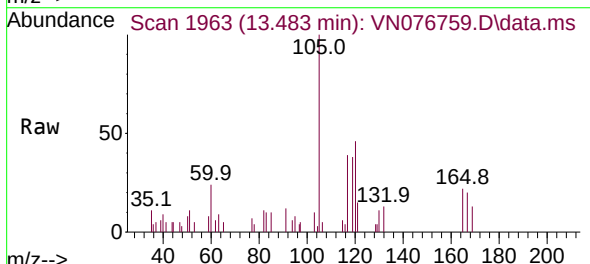
Tgt Ion:119 Resp: 7359
Ion Ratio Lower Upper
119 100
91 62.1 32.0 96.2
134 29.2 13.8 41.4

Manual Integrations
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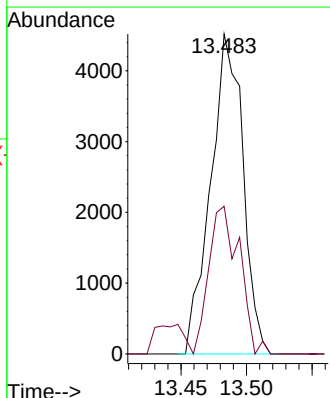
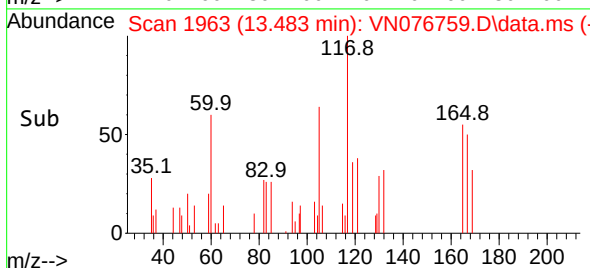
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023

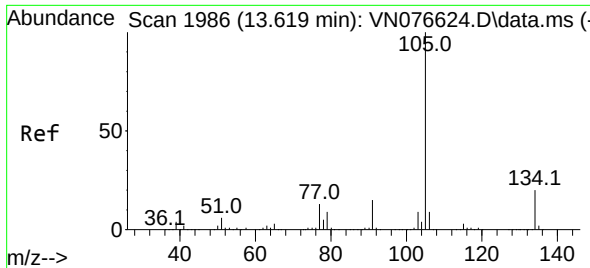


#84
1,2,4-Trimethylbenzene
Concen: 0.870 ug/l
RT: 13.483 min Scan# 1963
Delta R.T. -0.000 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48



Tgt Ion:105 Resp: 7729
Ion Ratio Lower Upper
105 100
120 43.9 23.0 69.0





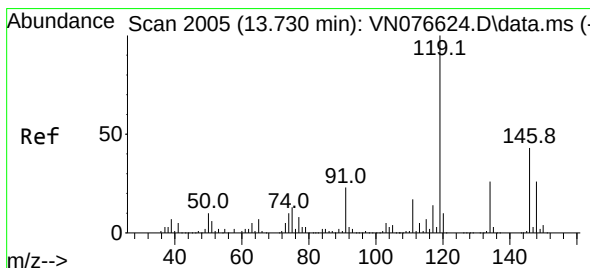
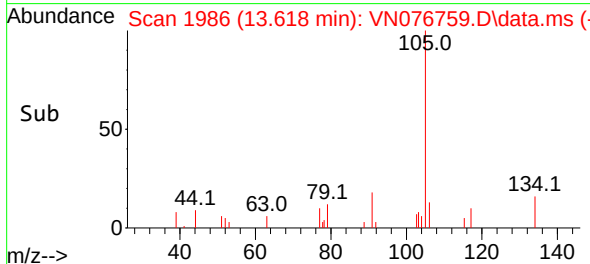
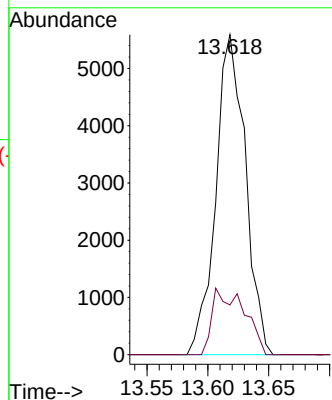
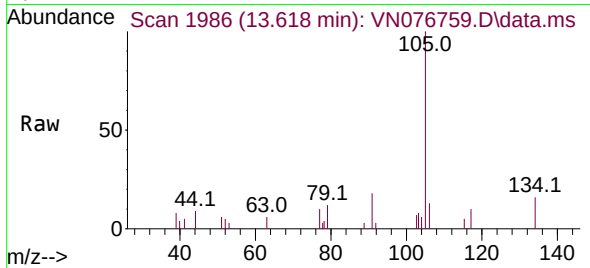
#85
 sec-Butylbenzene
 Concen: 0.841 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN076759.D
 Acq: 21 Feb 2023 18:48

Instrument : MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2023

Tgt Ion:105 Resp: 946
 Ion Ratio Lower Upper
 105 100
 134 22.4 10.5 31.5

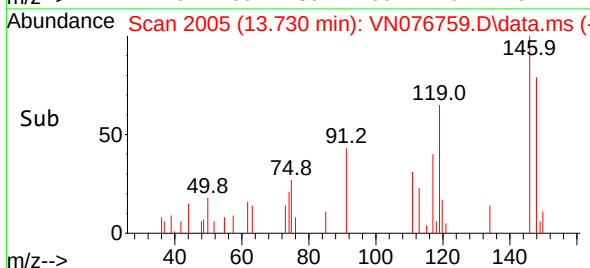
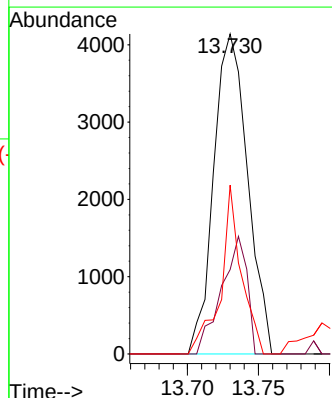
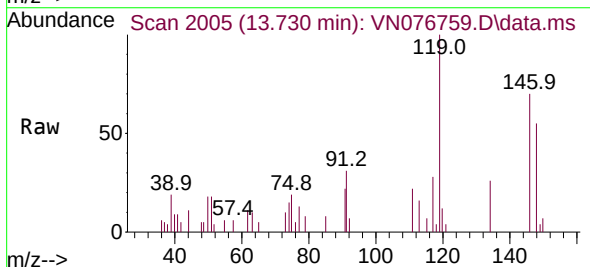
Manual Integrations
 APPROVED

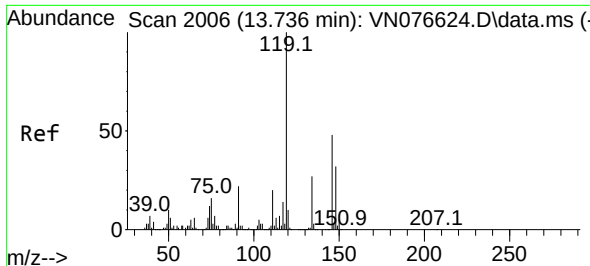
Reviewed By :John Carlone 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023



#86
 p-Isopropyltoluene
 Concen: 0.764 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. -0.000 min
 Lab File: VN076759.D
 Acq: 21 Feb 2023 18:48

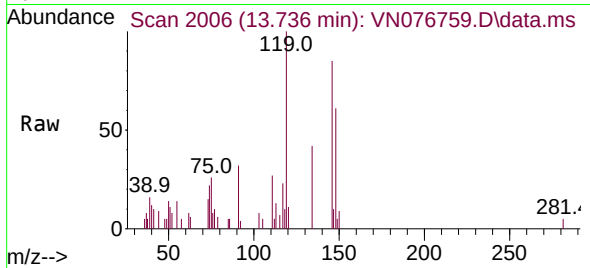
Tgt Ion:119 Resp: 6873
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.4 40.1
 91 32.2 11.7 35.0





#87
 1,3-Dichlorobenzene
 Concen: 0.950 ug/l
 RT: 13.736 min Scan# 2006
 Delta R.T. -0.000 min
 Lab File: VN076759.D
 Acq: 21 Feb 2023 18:48

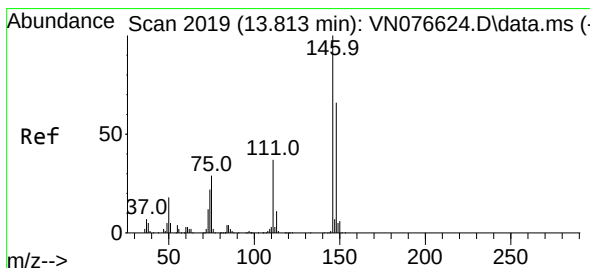
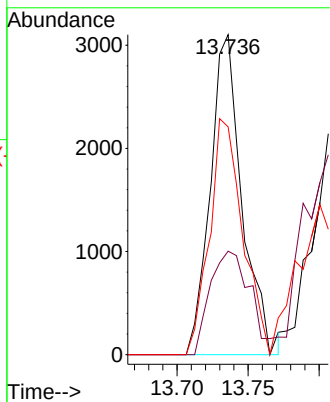
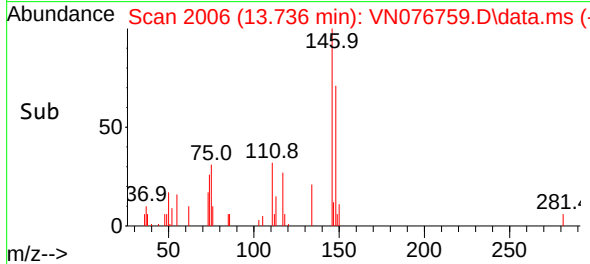
Instrument : MSVOA_N
 ClientSampleId : LOQ-WATER-02-QT1-2023



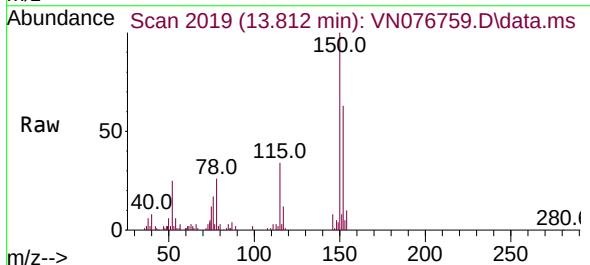
Tgt Ion:146 Resp: 483
 Ion Ratio Lower Upper
 146 100
 111 40.7 19.8 59.4
 148 76.8 32.0 96.2

Manual Integrations
 APPROVED

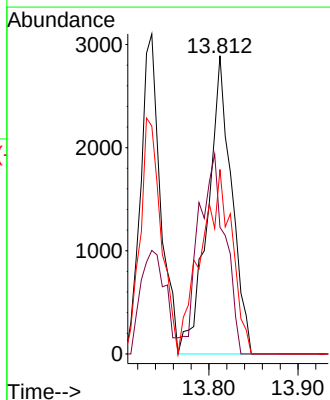
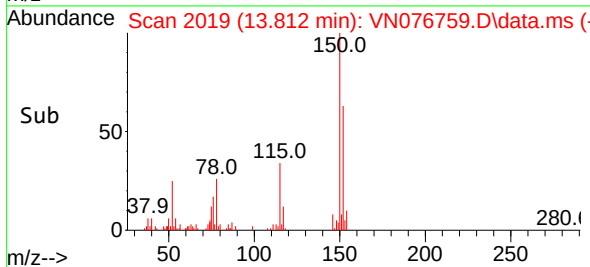
Reviewed By :John Carlone 02/22/2023
 Supervised By :Mahesh Dadoda 02/22/2023

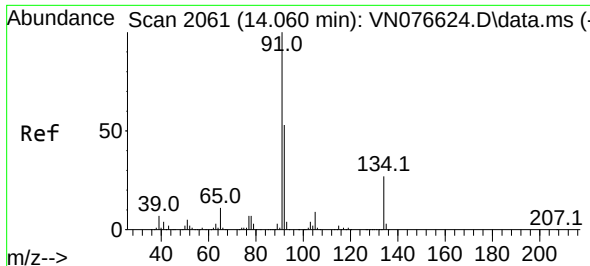


#88
 1,4-Dichlorobenzene
 Concen: 1.061 ug/l m
 RT: 13.812 min Scan# 2019
 Delta R.T. -0.001 min
 Lab File: VN076759.D
 Acq: 21 Feb 2023 18:48



Tgt Ion:146 Resp: 5373
 Ion Ratio Lower Upper
 146 100
 111 36.6 19.4 58.1
 148 69.1 32.7 98.1





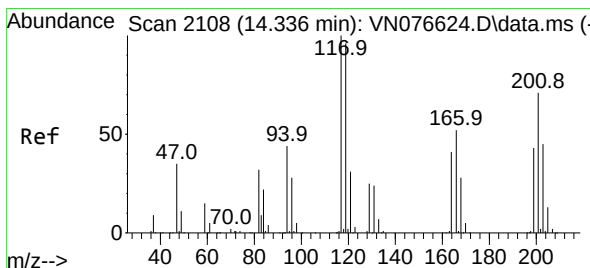
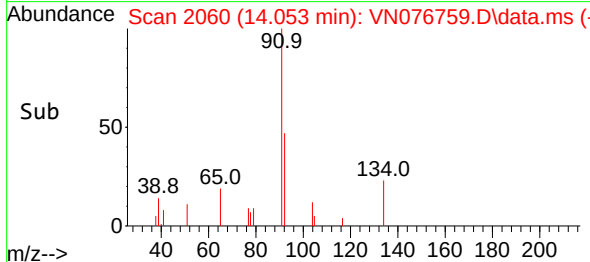
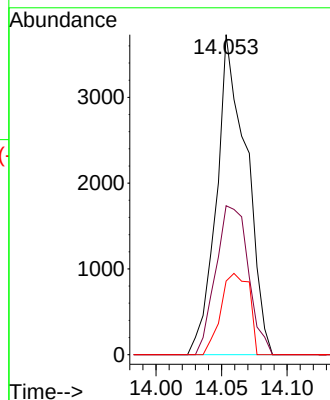
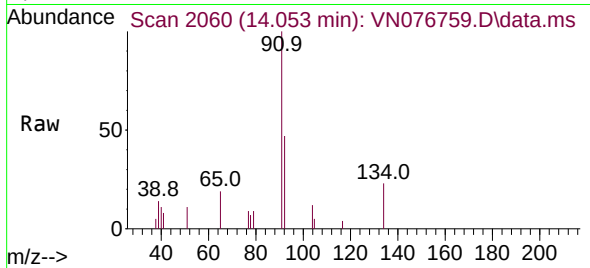
#89
n-Butylbenzene
Concen: 0.757 ug/l
RT: 14.053 min Scan# 2061
Delta R.T. -0.007 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 91 Resp: 5919
Ion Ratio Lower Upper
91 100
92 50.7 26.4 79.0
134 24.1 13.2 39.5

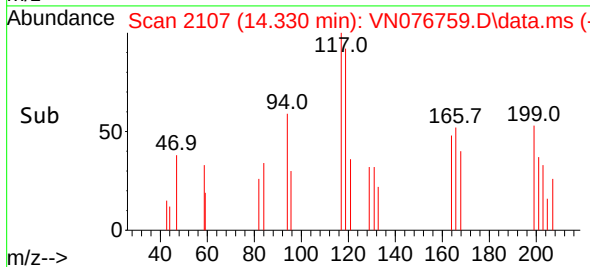
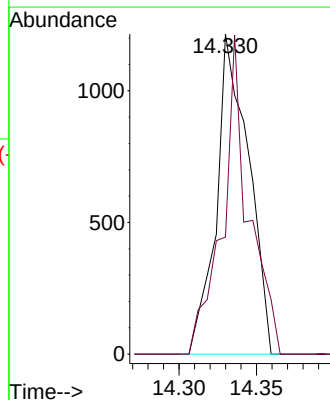
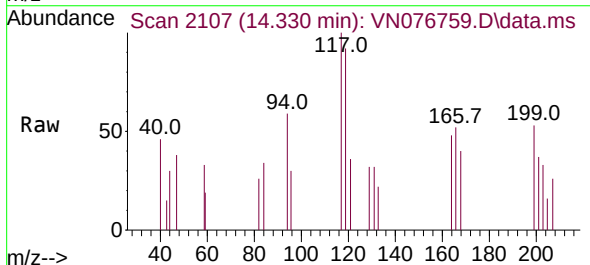
Manual Integrations
APPROVED

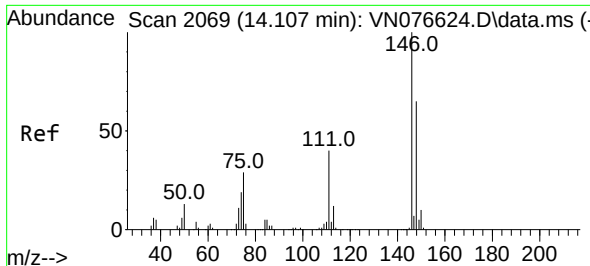
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#90
Hexachloroethane
Concen: 0.933 ug/l
RT: 14.330 min Scan# 2107
Delta R.T. -0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion:117 Resp: 1756
Ion Ratio Lower Upper
117 100
201 80.8 35.5 106.7





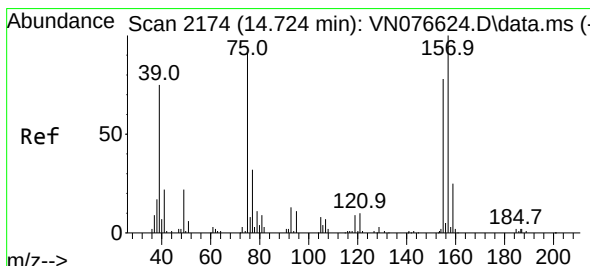
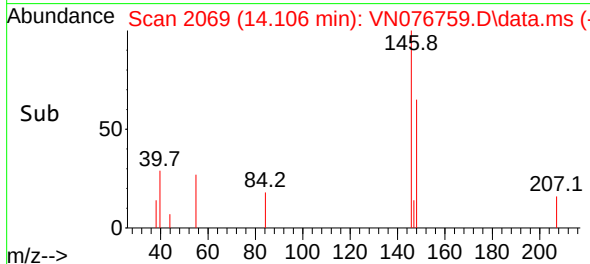
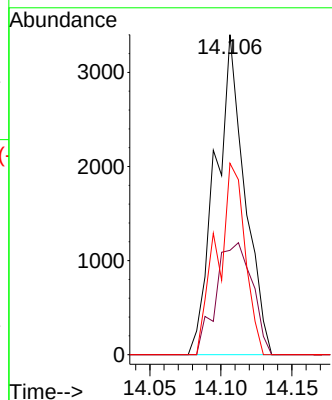
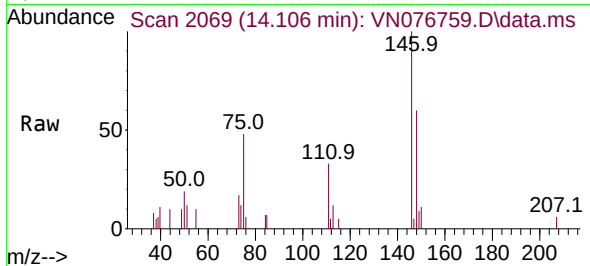
#91
1,2-Dichlorobenzene
Concen: 0.938 ug/l
RT: 14.106 min Scan# 2069
Delta R.T. -0.001 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT1-2023

Tgt Ion:146 Resp: 489
Ion Ratio Lower Upper
146 100
111 43.1 20.0 59.9
148 56.6 32.4 97.2

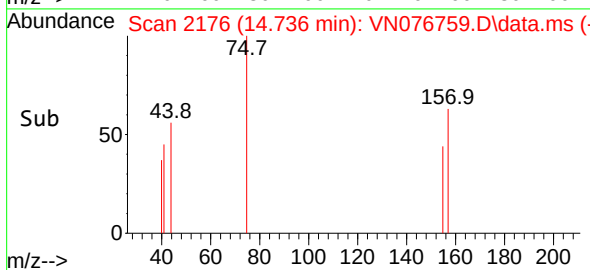
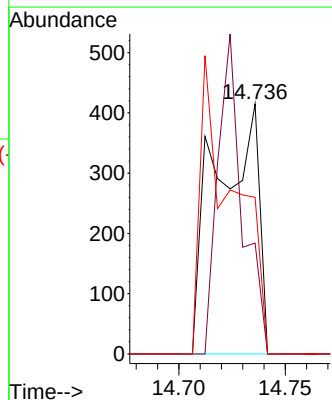
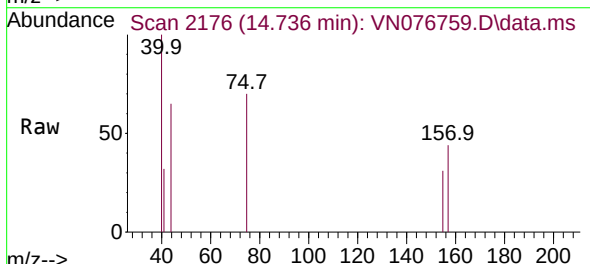
Manual Integrations
APPROVED

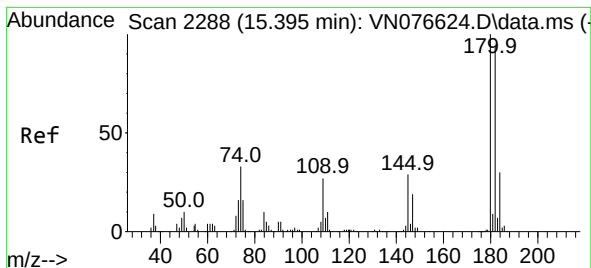
Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.760 ug/l
RT: 14.736 min Scan# 2176
Delta R.T. 0.012 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion: 75 Resp: 575
Ion Ratio Lower Upper
75 100
155 74.1 43.4 130.2
157 0.0 55.2 165.6#





#93

1,2,4-Trichlorobenzene

Concen: 0.672 ug/l

RT: 15.395 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

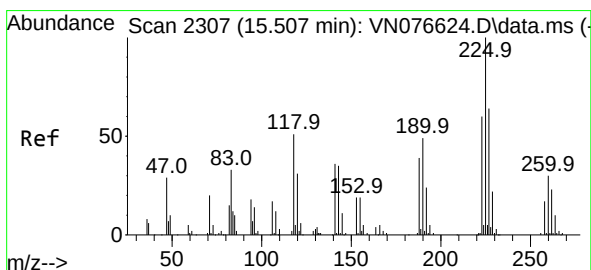
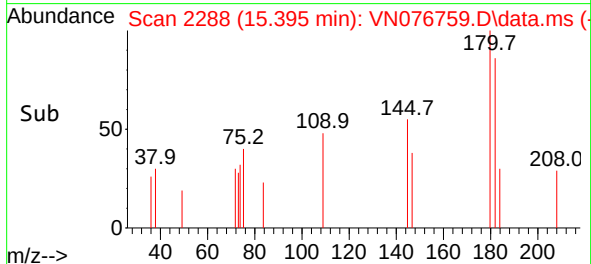
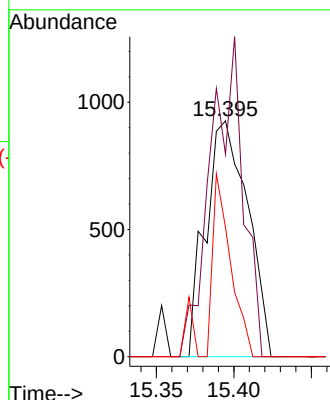
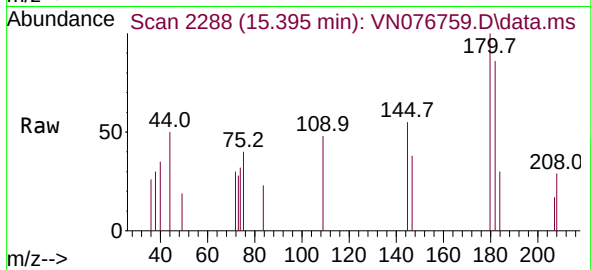
Tgt Ion:180	Resp:	174
Ion Ratio	Lower	Upper
180	100	
182	104.6	48.0 144.0
145	37.7	15.2 45.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/22/2023

Supervised By :Mahesh Dadoda 02/22/2023



#94

Hexachlorobutadiene

Concen: 0.853 ug/l

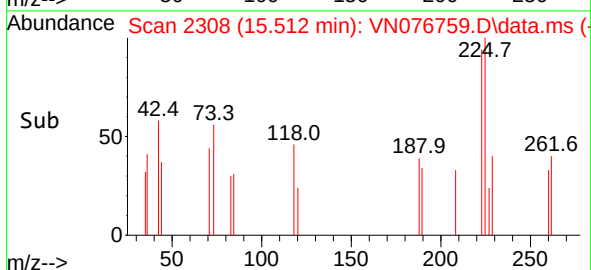
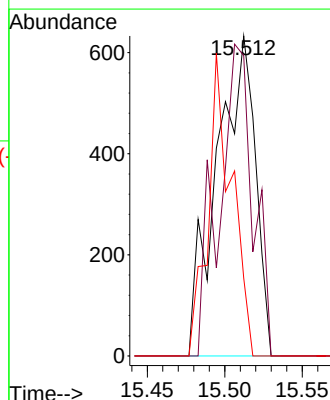
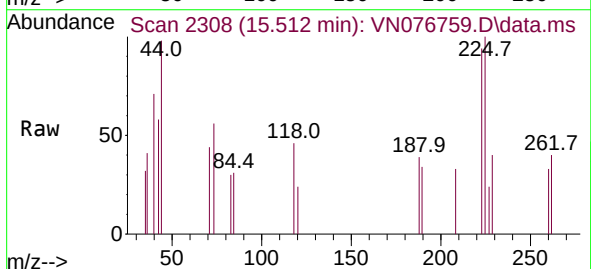
RT: 15.512 min Scan# 2308

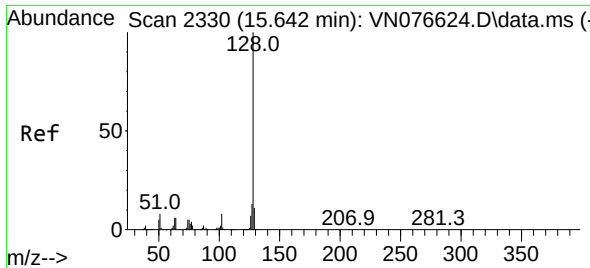
Delta R.T. 0.005 min

Lab File: VN076759.D

Acq: 21 Feb 2023 18:48

Tgt Ion:225	Resp:	1088
Ion Ratio	Lower	Upper
225	100	
223	86.9	31.6 95.0
227	58.4	31.3 93.9





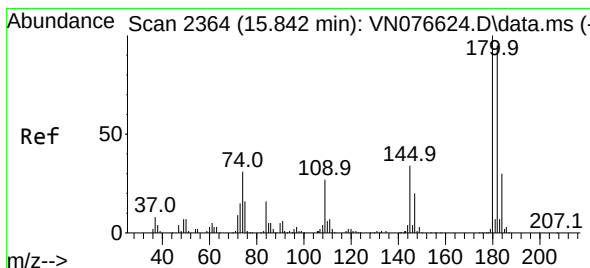
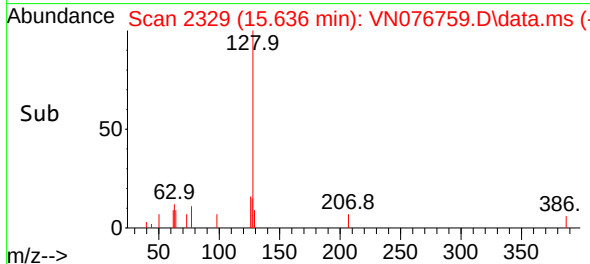
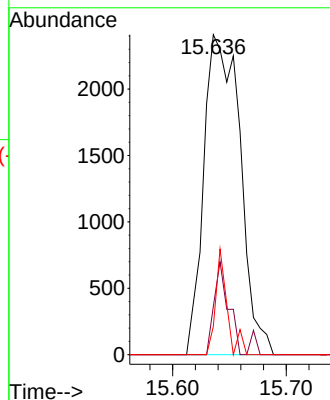
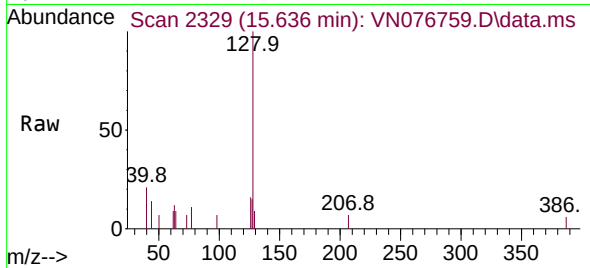
#95
Naphthalene
Concen: 0.676 ug/l
RT: 15.636 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion:128 Resp: 5339
Ion Ratio Lower Upper
128 100
127 11.6 10.6 16.0
129 10.5 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/22/2023
Supervised By :Mahesh Dadoda 02/22/2023



#96
1,2,3-Trichlorobenzene
Concen: 0.724 ug/l
RT: 15.836 min Scan# 2363
Delta R.T. -0.006 min
Lab File: VN076759.D
Acq: 21 Feb 2023 18:48

Tgt Ion:180 Resp: 1824
Ion Ratio Lower Upper
180 100
182 120.4 46.7 140.1
145 33.9 16.0 47.9

