

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101322\
 Data File : VN074893.D
 Acq On : 13 Oct 2022 13:26
 Operator : JC\MD
 Sample : N4955-09 2.5 MDL
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2022DL

Quant Time: Oct 14 05:04:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	7.829	128	75735	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	412901	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	359198	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	215888	30.448	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.500%			
60) 4-Bromofluorobenzene	12.853	95	165258	25.944	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 86.467%			
63) Toluene-d8	10.570	98	647330	31.225	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.147	85	13316	3.166	ug/l	90
3) Chloromethane	2.383	50	20571	3.024	ug/l	90
4) Vinyl Chloride	2.530	62	27636	2.759	ug/l #	65
5) Bromomethane	2.953	94	22592m	2.845	ug/l	
6) Chloroethane	3.136	64	21281m	2.833	ug/l	
7) Trichlorofluoromethane	3.518	101	21856m	2.927	ug/l	
8) Diethyl Ether	3.988	74	9548	2.742	ug/l	82
9) 1,1,2-Trichlorotrifluo...	4.400	101	14606m	3.109	ug/l	
10) 1,1-Dichloroethene	4.359	96	14182m	3.068	ug/l	
11) Methyl Iodide	4.624	142	14073m	2.439	ug/l	
12) Methyl Acetate	5.059	43	31094	2.791	ug/l #	58
13) Acrolein	4.218	56	18813m	11.952	ug/l	
14) Acrylonitrile	5.741	53	54249	13.056	ug/l	64
15) Acetone	4.459	58	16656m	14.626	ug/l	
16) Carbon Disulfide	4.735	76	29323	2.469	ug/l	97
17) Allyl chloride	5.041	41	22667m	2.463	ug/l	
18) Methylene Chloride	5.300	84	19648	3.278	ug/l	88
19) trans-1,2-Dichloroethene	5.806	96	13208m	2.603	ug/l	
20) Diisopropyl ether	6.688	45	48119m	2.240	ug/l	
21) 1,1-Dichloroethane	6.582	63	28141m	2.575	ug/l	
22) cis-1,2-Dichloroethene	7.506	96	16213m	2.552	ug/l	
23) tert-Butyl Alcohol	5.547	59	28046m	16.019	ug/l	
24) Methyl tert-Butyl Ether	5.830	73	45311m	2.347	ug/l	
25) Chloroform	7.976	83	29411	2.710	ug/l #	71
26) Cyclohexane	8.271	56	22836	2.379	ug/l #	93
29) 1,1-Dichloropropene	8.371	75	19025m	2.554	ug/l	
30) 2-Butanone	7.500	43	80733	13.582	ug/l	95
31) 2,2-Dichloropropane	7.506	77	26059m	2.857	ug/l	
32) 1,1,1-Trichloroethane	8.188	97	24207m	2.709	ug/l	
33) Carbon Tetrachloride	8.376	117	18268	2.490	ug/l #	71
34) Benzene	8.612	78	64417m	2.616	ug/l	
35) Methacrylonitrile	7.788	41	14549m	2.381	ug/l	
36) 1,2-Dichloroethane	8.682	62	22613	2.757	ug/l #	84
37) Trichloroethene	9.353	130	11988m	2.341	ug/l	
38) Methylcyclohexane	9.600	83	24866m	2.747	ug/l	
39) 1,2-Dichloropropane	9.623	63	16360	2.563	ug/l	96
40) Dibromomethane	9.723	93	10244	2.422	ug/l	90
41) Bromodichloromethane	9.900	83	22602	2.743	ug/l #	78
42) Vinyl Acetate	6.624	43	223480m	12.621	ug/l	

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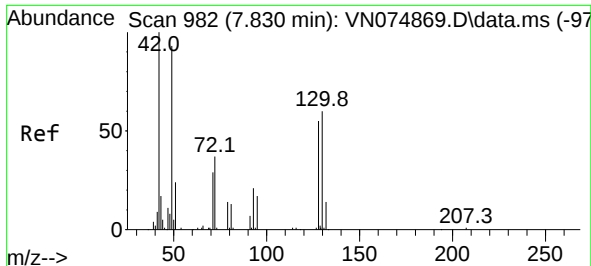
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.576	43	26709m	2.311	ug/l	
44) Isopropyl Acetate	8.694	43	43817	2.452	ug/l	93
45) 1,4-Dioxane	9.694	88	7287m	44.465	ug/l	
46) Methyl methacrylate	9.682	41	18772	2.425	ug/l	72
47) n-amyl Acetate	12.500	43	29725	1.901	ug/l	95
48) t-1,3-Dichloropropene	10.835	75	21592m	2.284	ug/l	
49) cis-1,3-Dichloropropene	10.317	75	23330	2.328	ug/l	98
50) 1,1,2-Trichloroethane	11.012	97	16207	2.603	ug/l	95
51) Ethyl methacrylate	10.882	69	23221	2.194	ug/l	91
52) 1,3-Dichloropropane	11.170	76	24760	2.304	ug/l	93
53) Dibromochloromethane	11.364	129	14661	2.404	ug/l	76
54) 1,2-Dibromoethane	11.470	107	16717	2.795	ug/l	85
55) 2-Chloroethyl vinyl ether	10.165	63	39374	9.509	ug/l #	80
56) Bromoform	12.582	173	8907	2.027	ug/l #	95
58) 4-Methyl-2-Pentanone	10.447	43	141604	12.676	ug/l	98
59) 2-Hexanone	11.200	43	105043	12.218	ug/l	94
61) Tetrachloroethene	11.106	164	9518	2.486	ug/l #	76
62) Toluene	10.629	91	65542	2.641	ug/l	97
64) Chlorobenzene	11.894	112	41311	2.929	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.964	131	14041	2.643	ug/l	93
66) Ethyl Benzene	11.970	91	61539	2.280	ug/l	97
67) m/p-Xylenes	12.076	106	45931	4.531	ug/l	92
68) o-Xylene	12.400	106	23672	2.297	ug/l	99
69) Styrene	12.417	104	35875	2.127	ug/l	97
70) Isopropylbenzene	12.700	105	58059	2.185	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	26398	2.655	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	20290m	2.429	ug/l	
73) Bromobenzene	12.988	156	13864	2.489	ug/l	87
74) n-propylbenzene	13.035	91	66397	2.143	ug/l	98
75) 2-Chlorotoluene	13.129	91	42559	2.348	ug/l	94
76) 1,3,5-Trimethylbenzene	13.176	105	44514	2.061	ug/l	99
77) t-1,4-Dichloro-2-butene	12.747	75	5391m	1.554	ug/l	
78) 4-Chlorotoluene	13.223	91	34962	2.021	ug/l	93
79) tert-butylbenzene	13.441	119	42408	2.207	ug/l	95
80) 1,2,4-Trimethylbenzene	13.488	105	43029	1.980	ug/l	91
81) sec-Butylbenzene	13.617	105	55188	1.999	ug/l	94
82) p-Isopropyltoluene	13.735	119	42781	1.950	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	21925	2.018	ug/l	98
84) 1,4-Dichlorobenzene	13.817	146	24433	2.341	ug/l	89
85) n-Butylbenzene	14.053	91	35193	1.817	ug/l	96
86) Hexachloroethane	14.335	117	9626	2.240	ug/l	90
87) 1,2-Dichlorobenzene	14.111	146	23954	2.220	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.723	75	4032m	2.009	ug/l	
89) 1,2,4-Trichlorobenzene	15.399	180	8361	1.697	ug/l #	74
90) Hexachlorobutadiene	15.494	225	6929	2.884	ug/l #	43
91) Naphthalene	15.641	128	34211	1.750	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.835	180	8932	1.733	ug/l	79

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



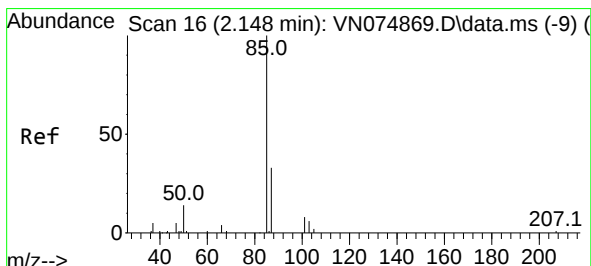
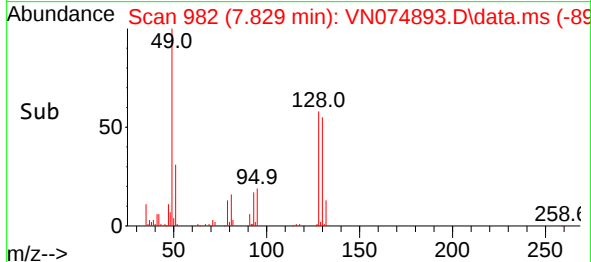
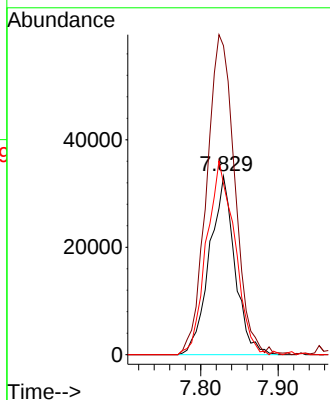
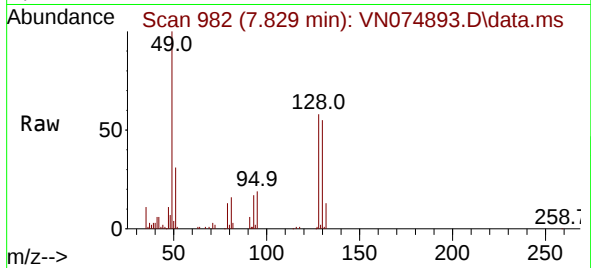
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.829 min Scan# 982
Delta R.T. -0.001 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL

Tgt Ion:128 Resp: 75735
Ion Ratio Lower Upper
128 100
49 197.3 0.0 492.0
130 120.5 0.0 313.3

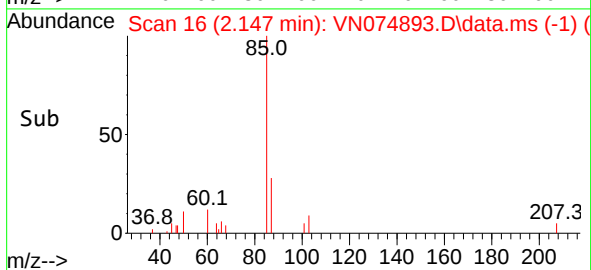
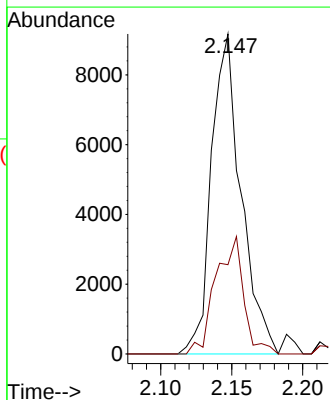
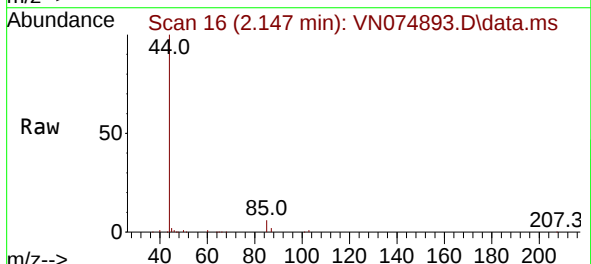
Manual Integrations
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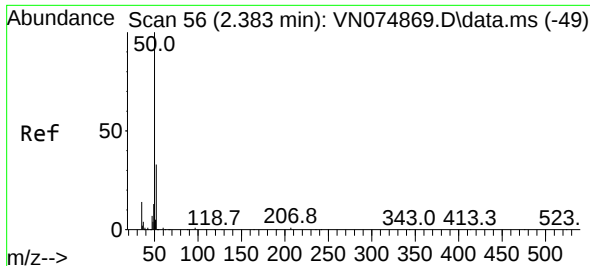
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#2
Dichlorodifluoromethane
Concen: 3.166 ug/l
RT: 2.147 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

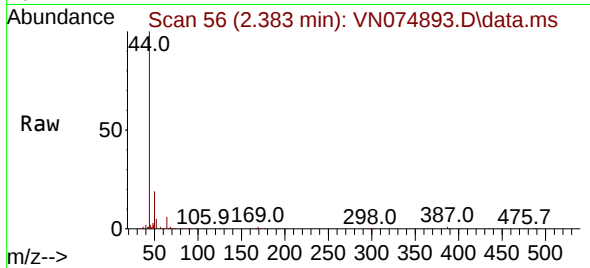
Tgt Ion: 85 Resp: 13316
Ion Ratio Lower Upper
85 100
87 27.9 16.7 50.1





#3
Chloromethane
Concen: 3.024 ug/l
RT: 2.383 min Scan# 50
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

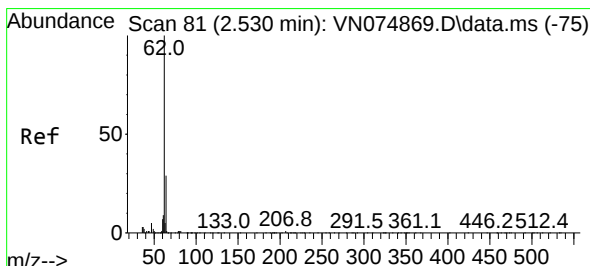
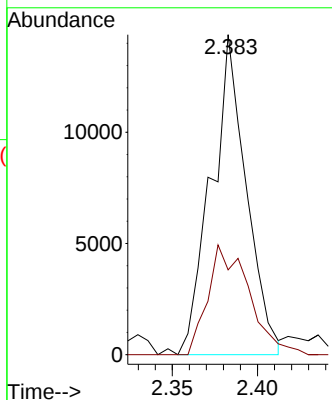
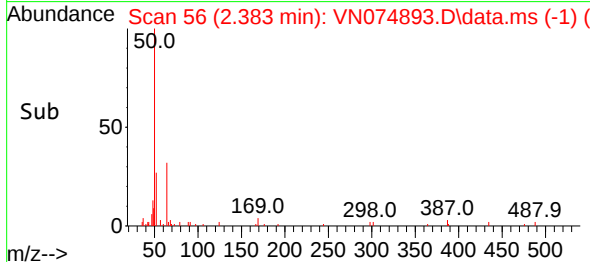
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 50 Resp: 2057
Ion Ratio Lower Upper
50 100
52 26.5 25.5 38.3

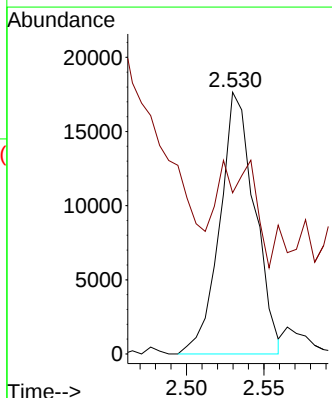
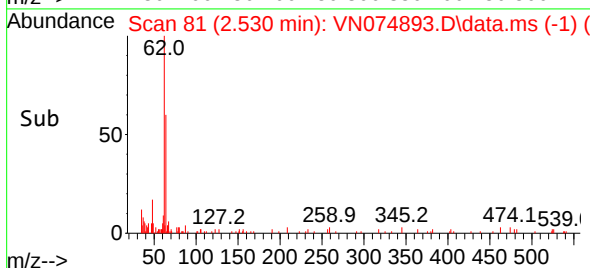
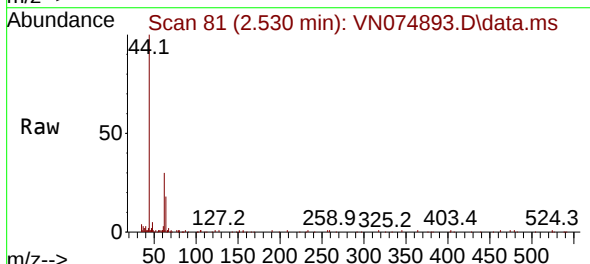
Manual Integrations
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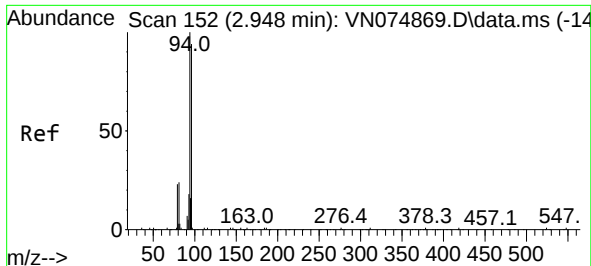
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#4
Vinyl Chloride
Concen: 2.759 ug/l
RT: 2.530 min Scan# 81
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

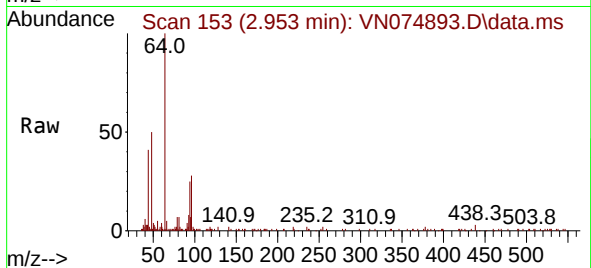
Tgt Ion: 62 Resp: 27636
Ion Ratio Lower Upper
62 100
64 12.4 25.6 38.4#





#5
Bromomethane
Concen: 2.845 ug/l m
RT: 2.953 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

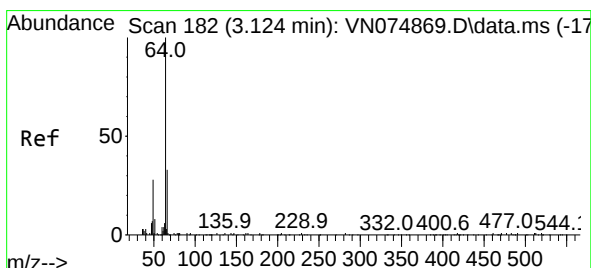
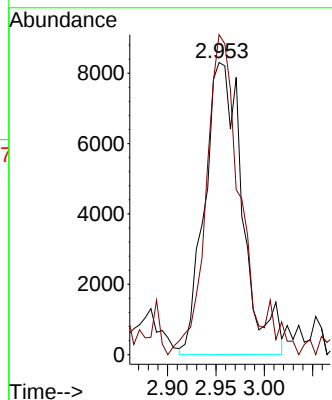
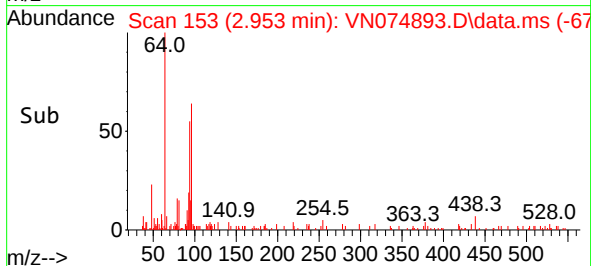
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



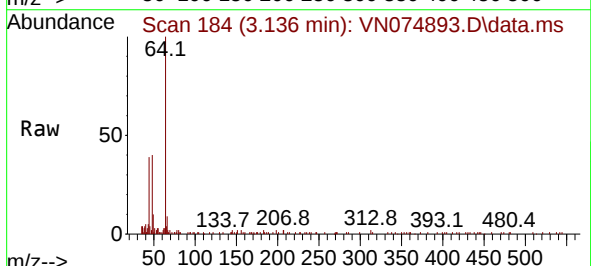
Tgt Ion: 94 Resp: 22592
Ion Ratio Lower Upper
94 100
96 109.5 68.3 102.5

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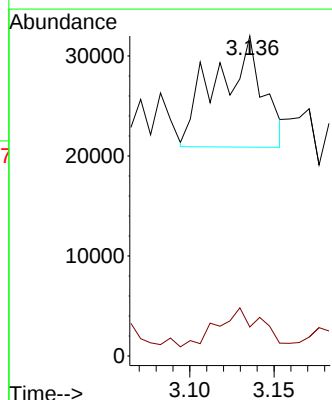
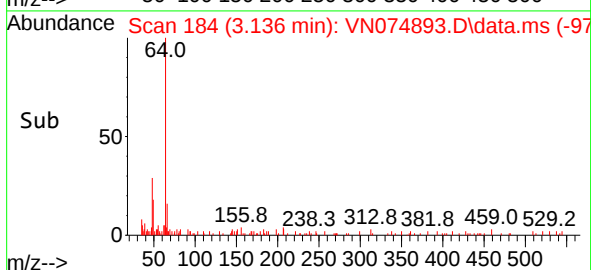
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Supervised By :Mahesh Dadoda 10/14/2022

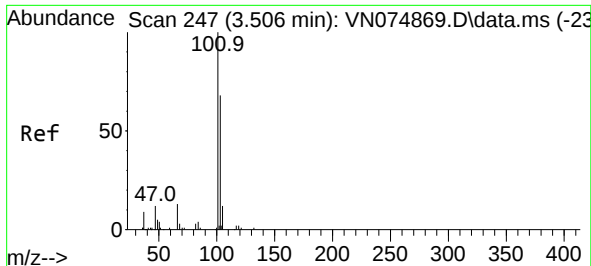


#6
Chloroethane
Concen: 2.833 ug/l m
RT: 3.136 min Scan# 184
Delta R.T. 0.011 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26



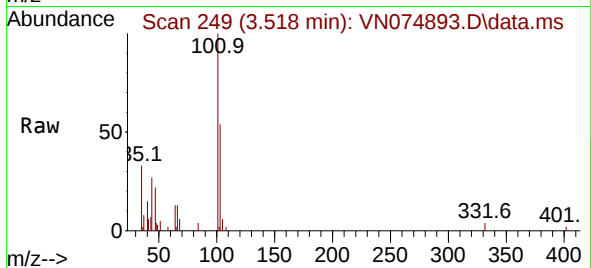
Tgt Ion: 64 Resp: 21281
Ion Ratio Lower Upper
64 100
66 9.0 21.8 32.8





#7
Trichlorofluoromethane
Concen: 2.927 ug/l m
RT: 3.518 min Scan# 247
Delta R.T. 0.011 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

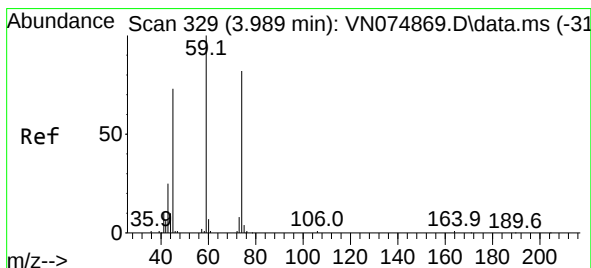
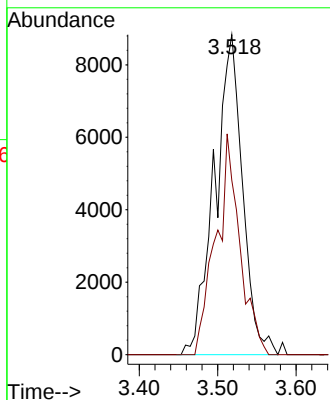
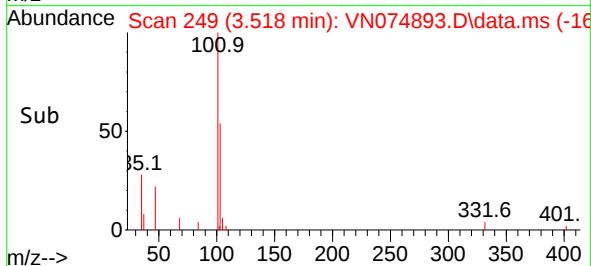
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Tgt Ion:101 Resp: 21850
Ion Ratio Lower Upper
101 100
103 54.5 54.8 82.2

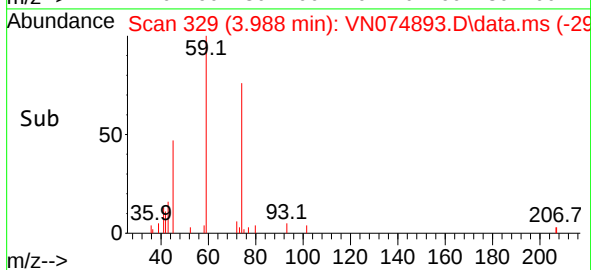
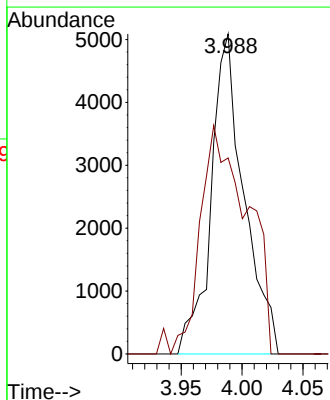
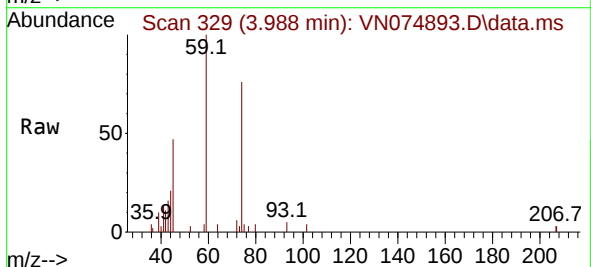
Manual Integrations
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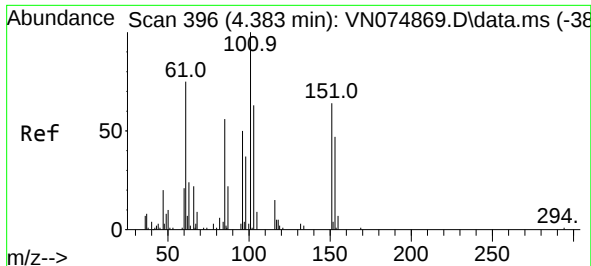
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#8
Diethyl Ether
Concen: 2.742 ug/l
RT: 3.988 min Scan# 329
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 74 Resp: 9548
Ion Ratio Lower Upper
74 100
45 77.2 19.0 171.0





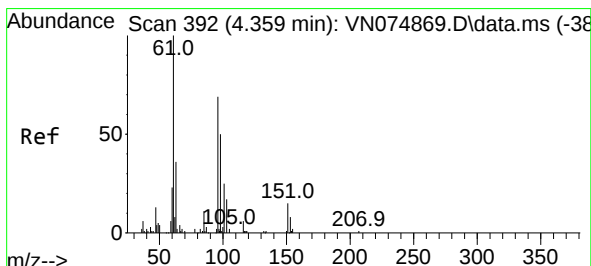
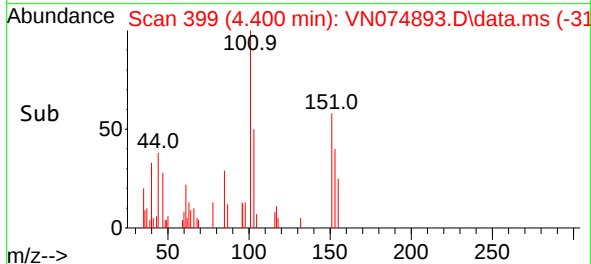
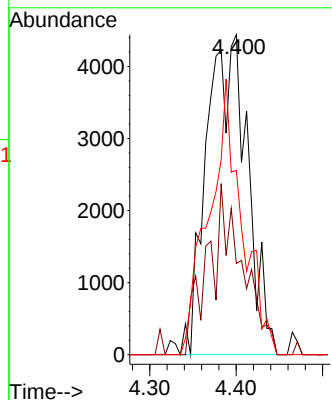
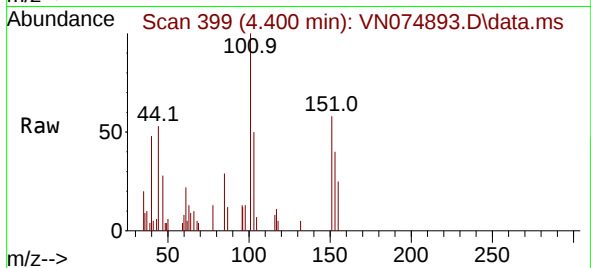
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1,1,2-Trichlorotrifluoroethane
Concen: 3.109 ug/l m
RT: 4.400 min Scan# 399
Delta R.T. 0.017 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL

Tgt Ion:101 Resp: 1460
Ion Ratio Lower Upper
101 100
85 5.4 0.0 94.6
151 59.7 0.0 144.8

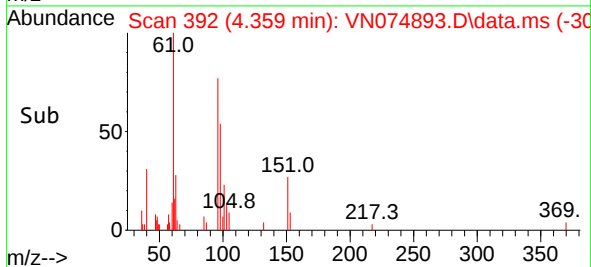
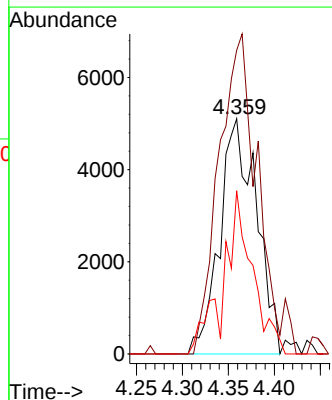
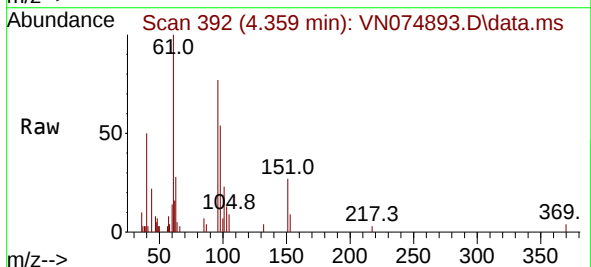
Manual Integrations
APPROVED

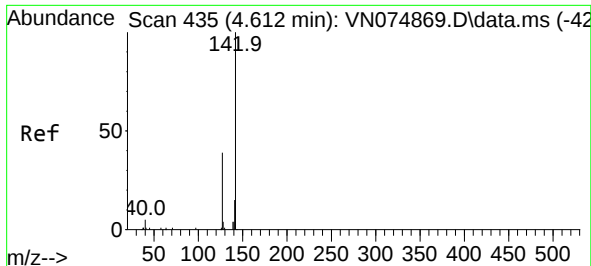
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#10
1,1-Dichloroethene
Concen: 3.068 ug/l m
RT: 4.359 min Scan# 392
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

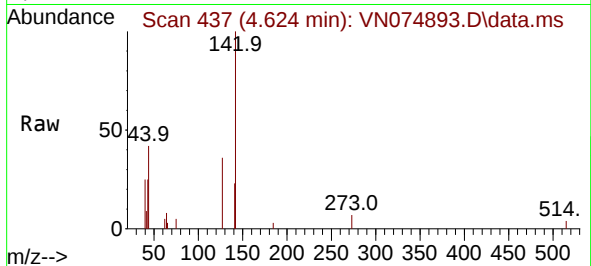
Tgt Ion: 96 Resp: 14182
Ion Ratio Lower Upper
96 100
61 129.1 125.5 188.3
98 69.4 45.0 67.4#





#11
Methyl Iodide
Concen: 2.439 ug/l m
RT: 4.624 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

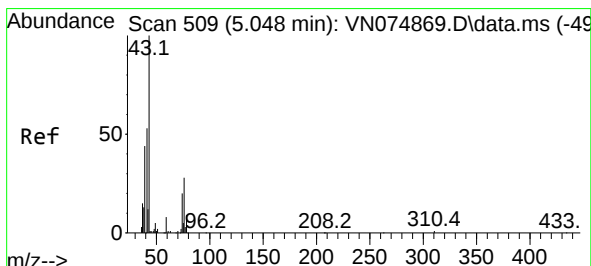
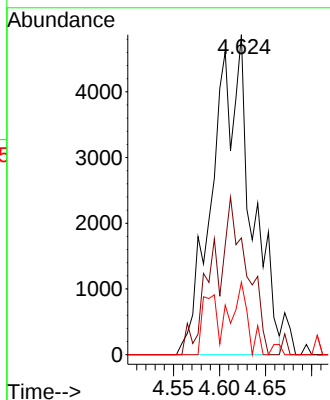
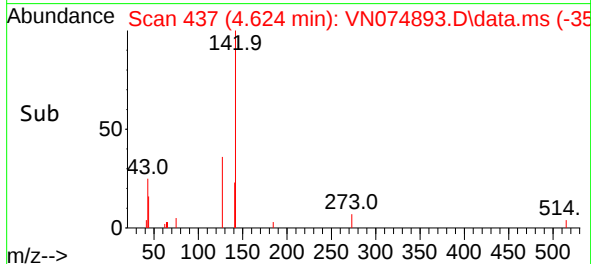
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 142 Resp: 1407
Ion Ratio Lower Upper
142 100
127 36.5 19.3 57.8
141 22.6 7.7 23.1

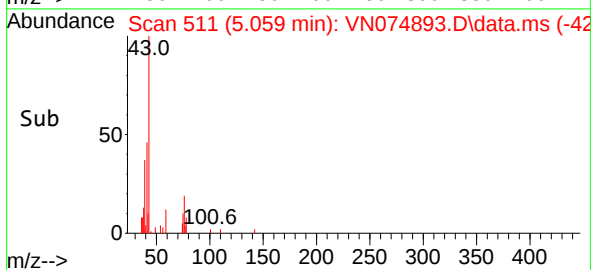
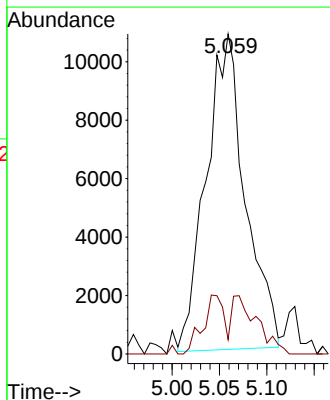
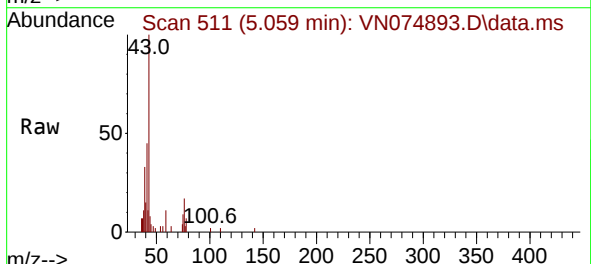
Manual Integrations
APPROVED

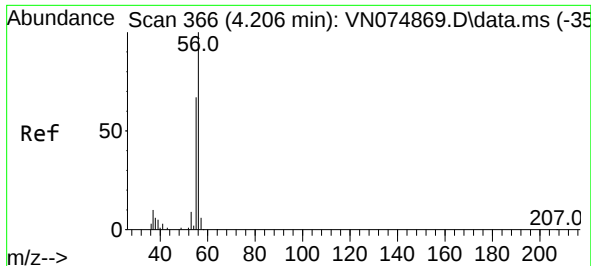
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#12
Methyl Acetate
Concen: 2.791 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.011 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

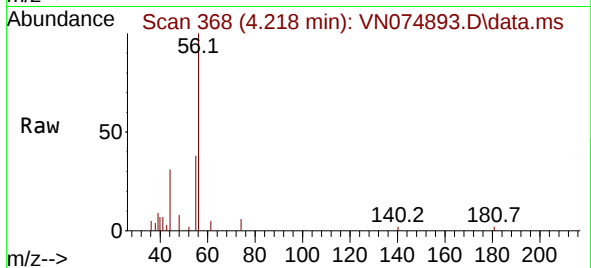
Tgt Ion: 43 Resp: 31094
Ion Ratio Lower Upper
43 100
74 3.1 19.0 28.6#





#13
Acrolein
Concen: 11.952 ug/l m
RT: 4.218 min Scan# 368
Delta R.T. 0.011 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

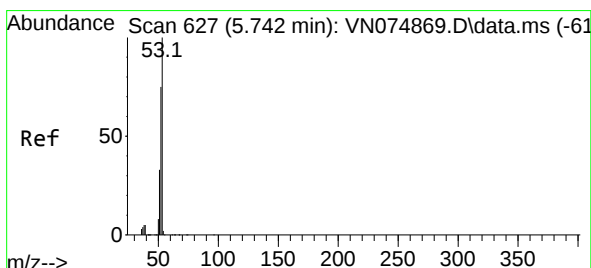
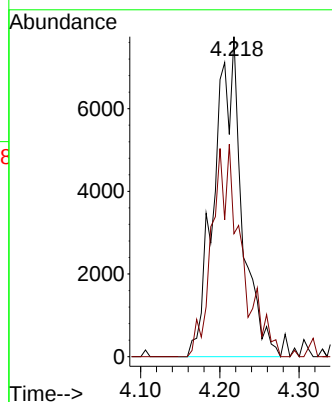
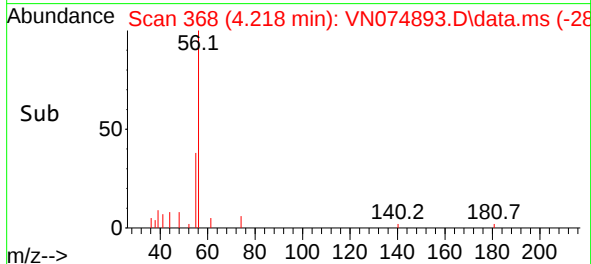
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 56 Resp: 1881
Ion Ratio Lower Upper
56 100
55 25.7 56.2 84.2

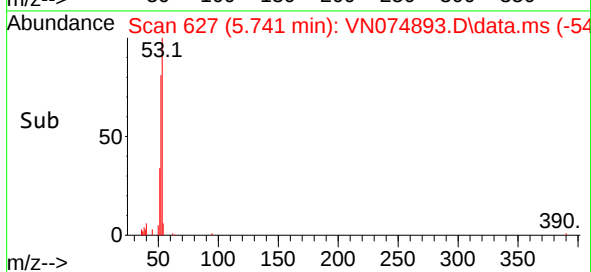
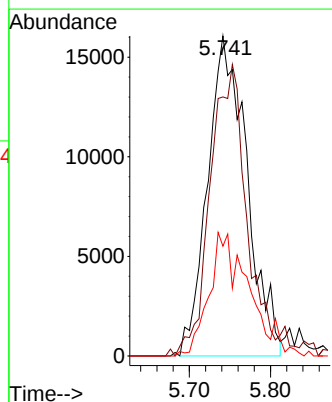
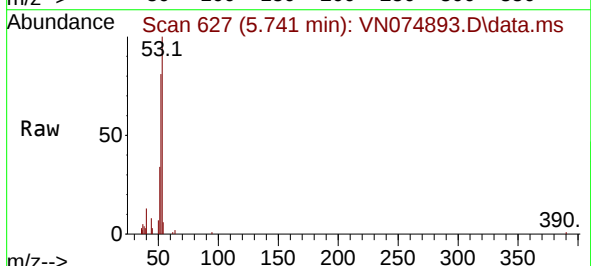
Manual Integrations
APPROVED

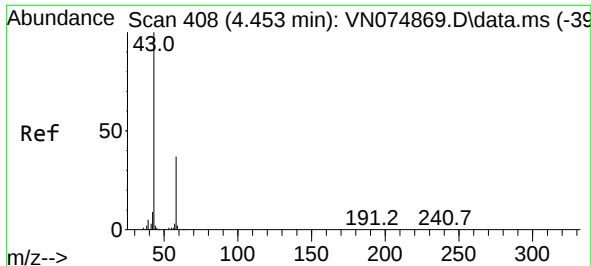
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#14
Acrylonitrile
Concen: 13.056 ug/l
RT: 5.741 min Scan# 627
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 53 Resp: 54249
Ion Ratio Lower Upper
53 100
52 44.2 40.8 122.4
51 21.3 17.0 51.0





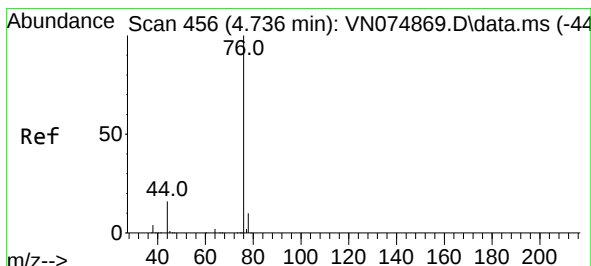
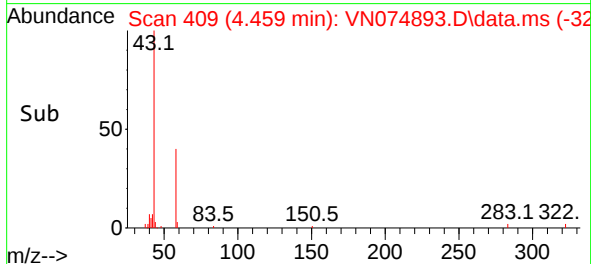
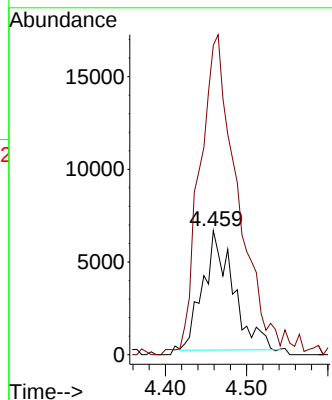
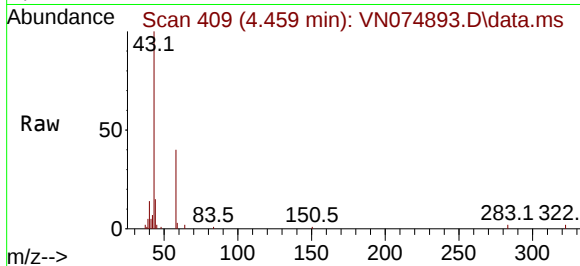
#15
Acetone
Concen: 14.626 ug/l m
RT: 4.459 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL

Tgt Ion: 58 Resp: 16650
Ion Ratio Lower Upper
58 100
43 249.4 232.2 348.4

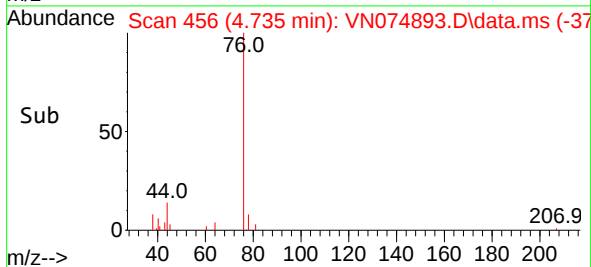
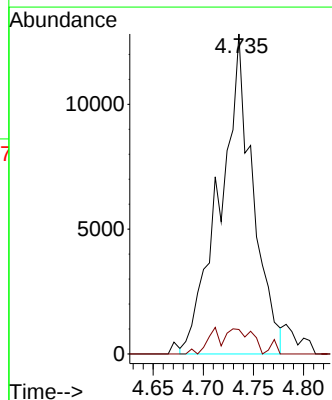
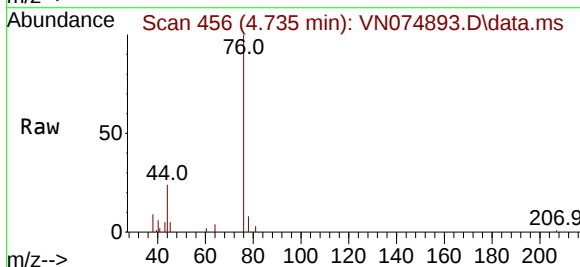
Manual Integrations
APPROVED

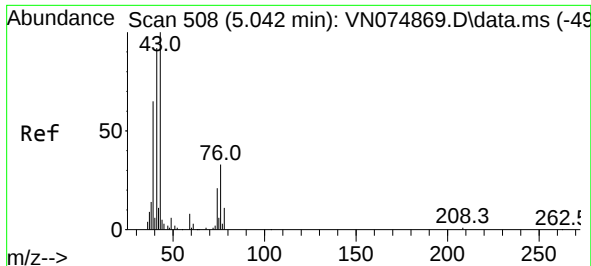
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#16
Carbon Disulfide
Concen: 2.469 ug/l
RT: 4.735 min Scan# 456
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 76 Resp: 29323
Ion Ratio Lower Upper
76 100
78 7.8 7.2 10.8





#17

Allyl chloride

Concen: 2.463 ug/l m

RT: 5.041 min Scan# 508

Delta R.T. -0.000 min

Lab File: VN074893.D

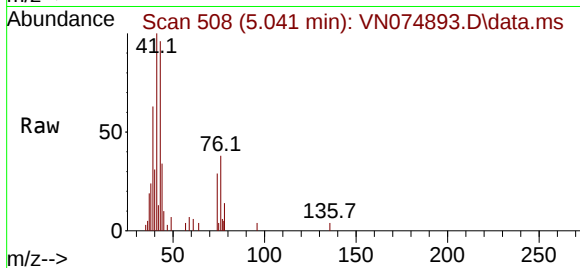
Acq: 13 Oct 2022 13:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL



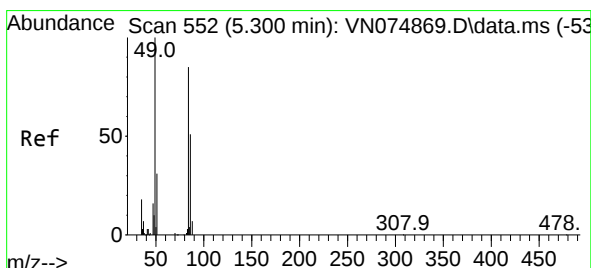
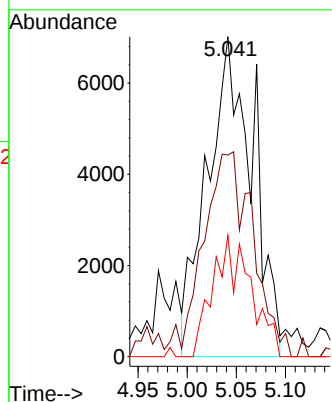
Tgt Ion:	41	Resp:	2266
Ion Ratio	Lower	Upper	
41	100		
39	63.0	39.1	117.5
76	37.9	19.8	59.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#18

Methylene Chloride

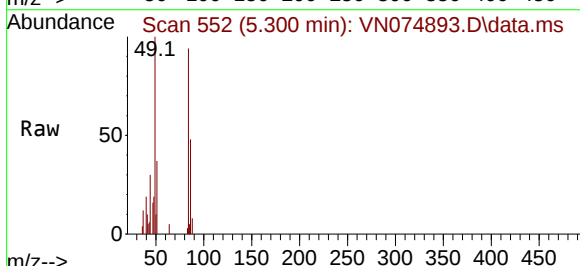
Concen: 3.278 ug/l

RT: 5.300 min Scan# 552

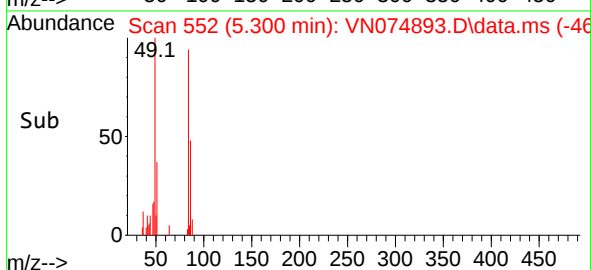
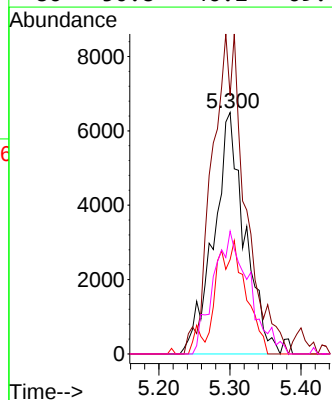
Delta R.T. -0.000 min

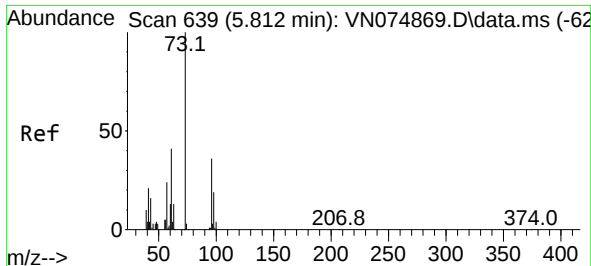
Lab File: VN074893.D

Acq: 13 Oct 2022 13:26



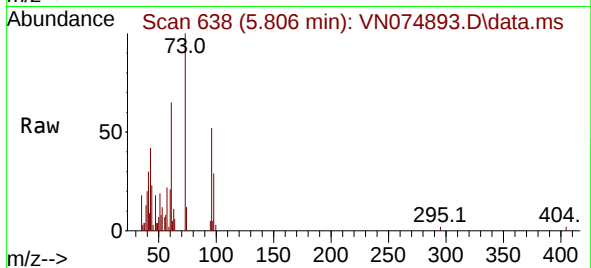
Tgt Ion:	84	Resp:	19648
Ion Ratio	Lower	Upper	
84	100		
49	106.9	99.6	149.4
51	39.1	28.2	42.2
86	50.8	46.2	69.4





#19
trans-1,2-Dichloroethene
Concen: 2.603 ug/l m
RT: 5.806 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

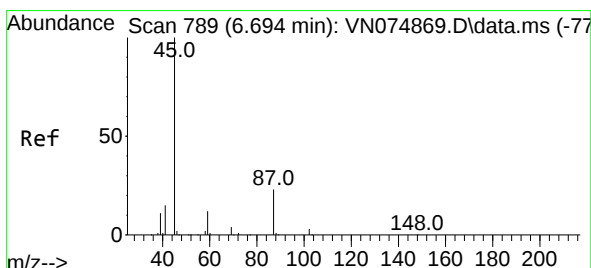
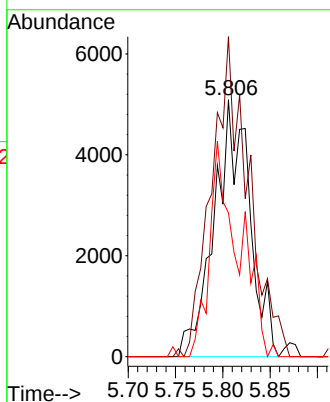
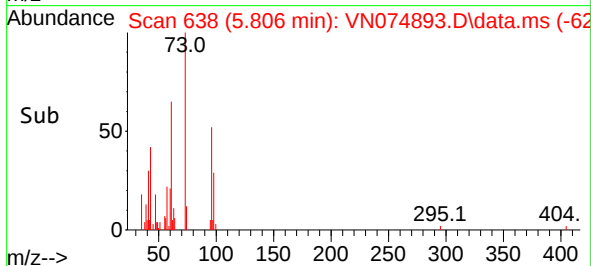
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



Tgt Ion: 96 Resp: 13208
Ion Ratio Lower Upper
96 100
61 124.5 110.2 165.4
98 55.9 50.0 75.0

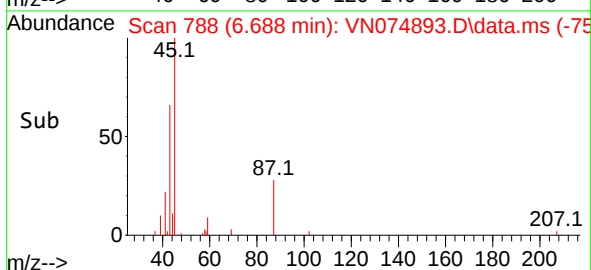
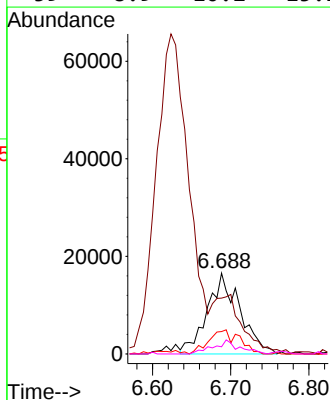
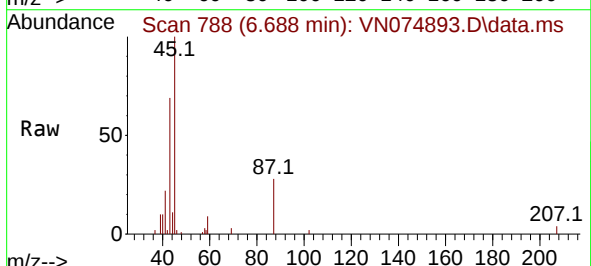
Manual Integrations
APPROVED

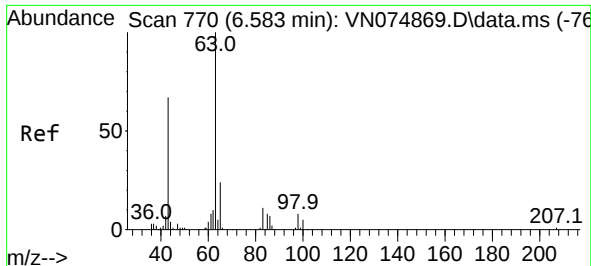
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#20
Diisopropyl ether
Concen: 2.240 ug/l m
RT: 6.688 min Scan# 788
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 45 Resp: 48119
Ion Ratio Lower Upper
45 100
43 69.1 47.3 70.9
87 27.7 21.8 32.8
59 8.9 10.2 15.2#





#21

1,1-Dichloroethane

Concen: 2.575 ug/l m

RT: 6.582 min Scan# 71

Delta R.T. -0.000 min

Lab File: VN074893.D

Acq: 13 Oct 2022 13:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL

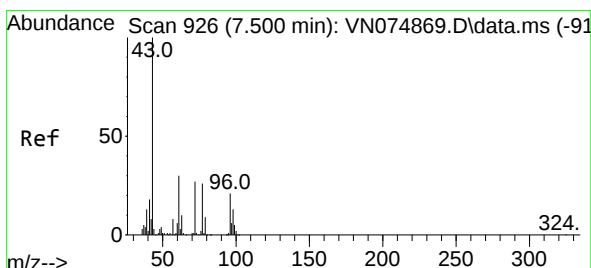
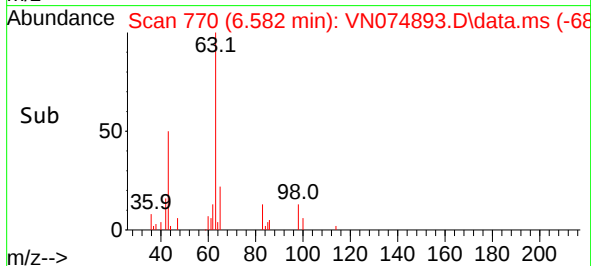
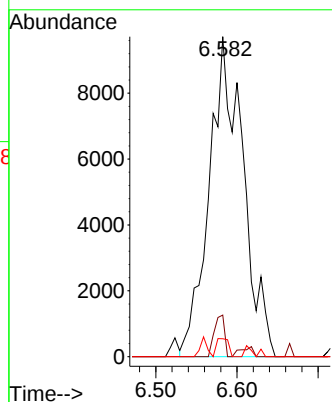
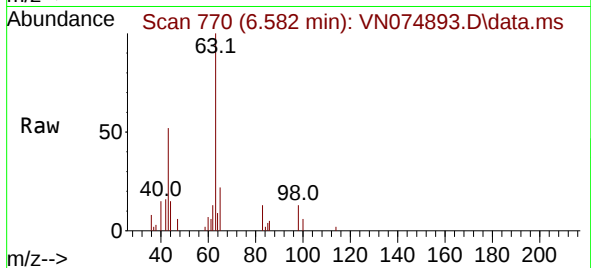
Tgt Ion:	63	Resp:	2814
Ion Ratio	Lower	Upper	
63	100		
98	13.0	3.3	9.9
100	5.6	2.2	6.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#22

cis-1,2-Dichloroethene

Concen: 2.552 ug/l m

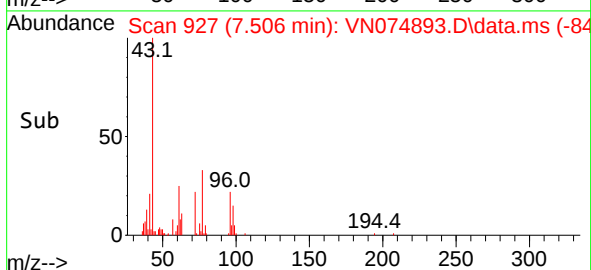
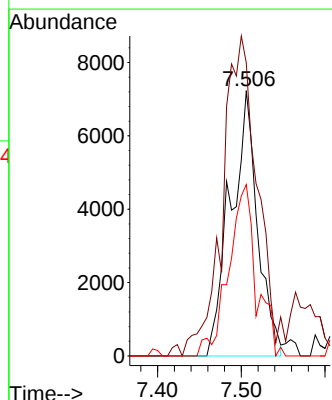
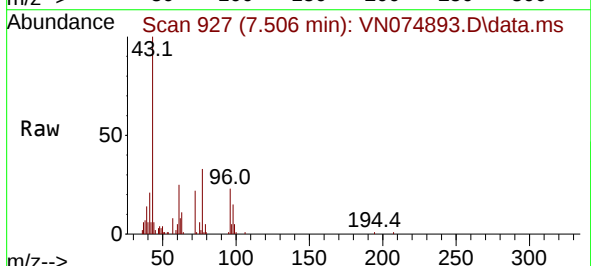
RT: 7.506 min Scan# 927

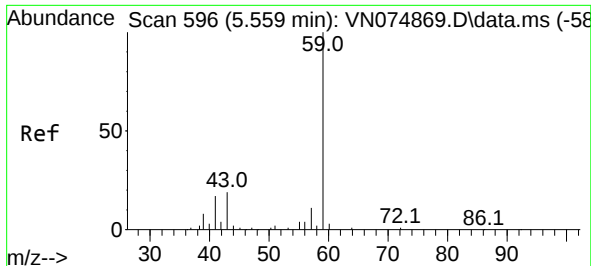
Delta R.T. 0.006 min

Lab File: VN074893.D

Acq: 13 Oct 2022 13:26

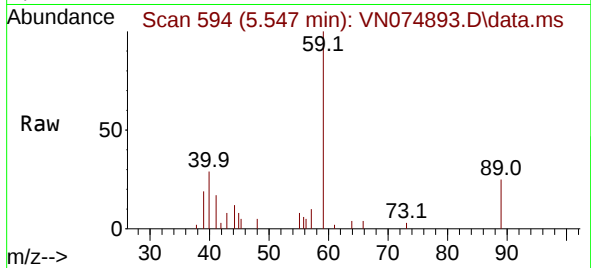
Tgt Ion:	96	Resp:	16213
Ion Ratio	Lower	Upper	
96	100		
61	120.2	118.8	178.2
98	53.5	52.1	78.1





#23
tert-Butyl Alcohol
Concen: 16.019 ug/l m
RT: 5.547 min Scan# 59
Delta R.T. -0.012 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

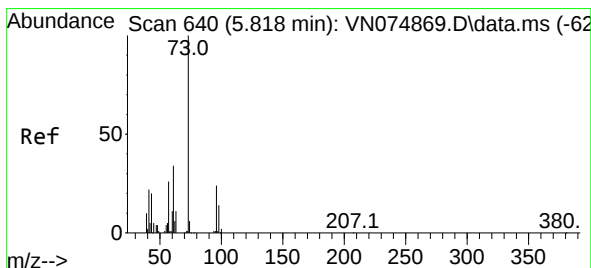
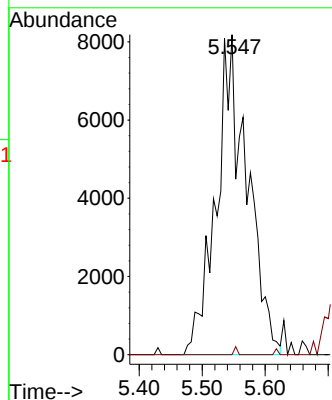
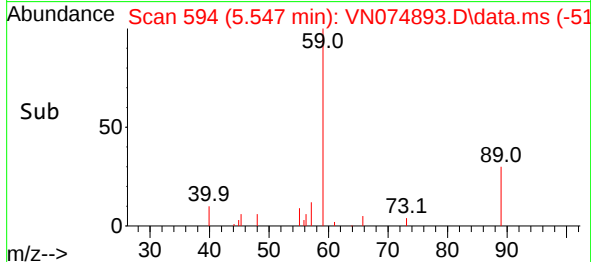
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 59 Resp: 2804
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.4

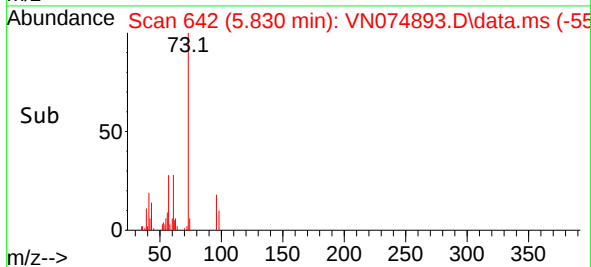
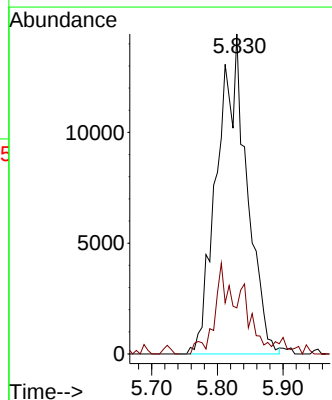
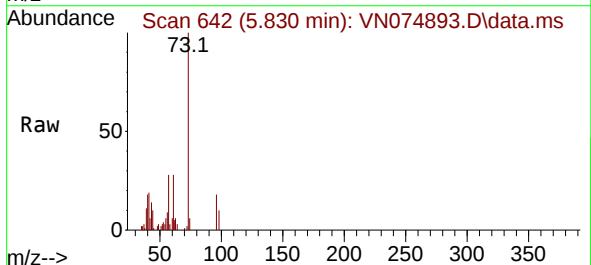
Manual Integrations
APPROVED

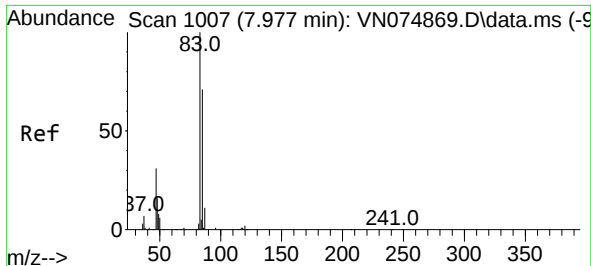
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#24
Methyl tert-Butyl Ether
Concen: 2.347 ug/l m
RT: 5.830 min Scan# 642
Delta R.T. 0.011 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 73 Resp: 45311
Ion Ratio Lower Upper
73 100
43 8.8 15.6 23.4





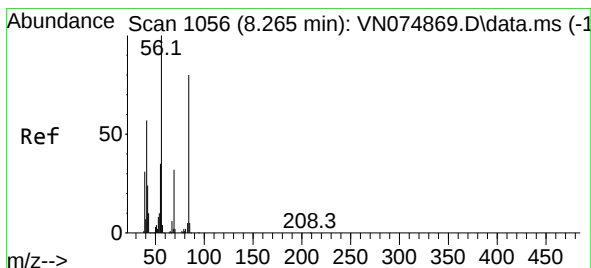
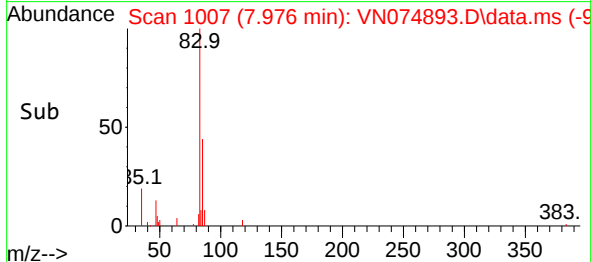
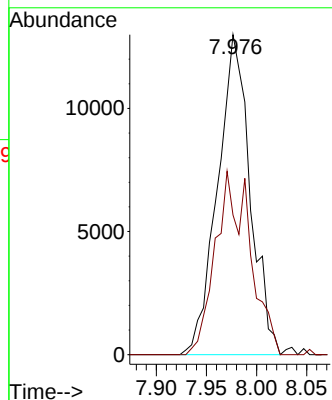
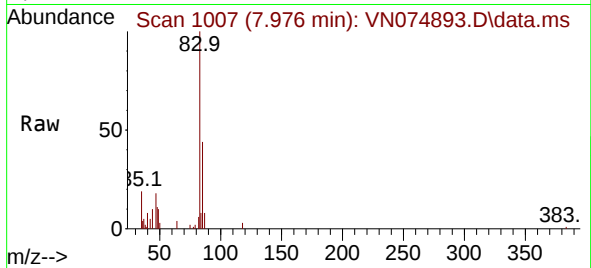
#25
Chloroform
Concen: 2.710 ug/l
RT: 7.976 min Scan# 1007
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL

Tgt Ion: 83 Resp: 2941
Ion Ratio Lower Upper
83 100
85 43.7 53.6 80.4

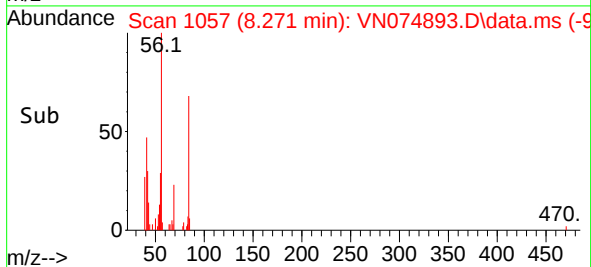
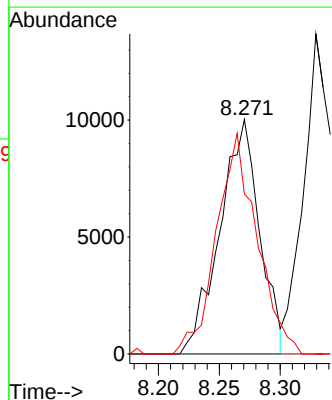
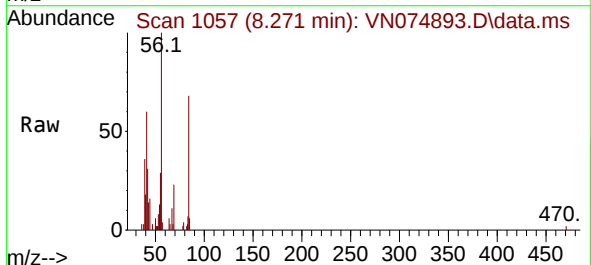
Manual Integrations
APPROVED

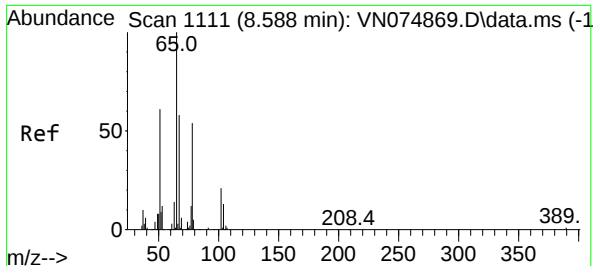
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#26
Cyclohexane
Concen: 2.379 ug/l
RT: 8.271 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 56 Resp: 22836
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 92.1 68.4 102.6





#27

1,2-Dichloroethane-d4

Concen: 30.448 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VN074893.D

Acq: 13 Oct 2022 13:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL

Tgt Ion: 65 Resp: 21588

Ion Ratio Lower Upper

65 100

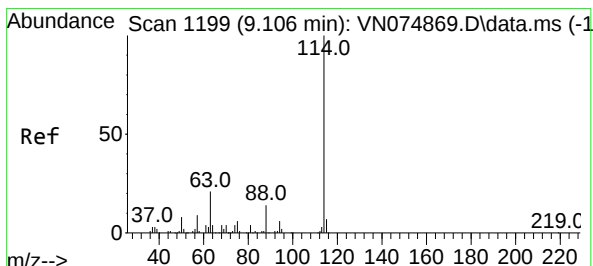
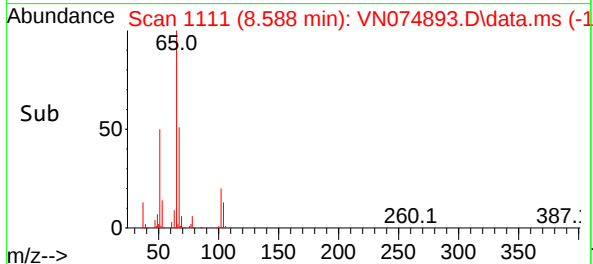
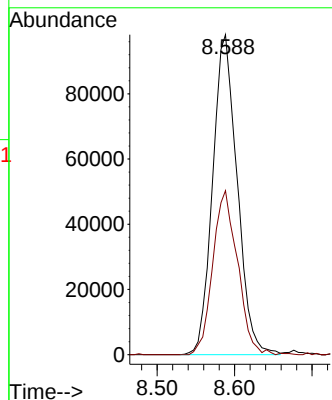
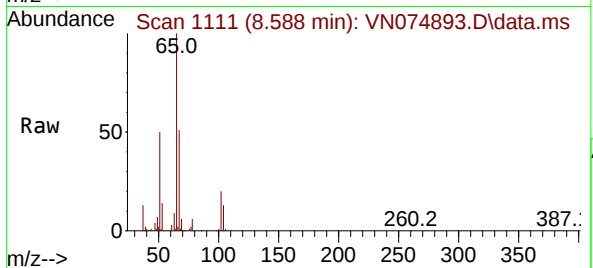
67 51.4 45.2 67.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN074893.D

Acq: 13 Oct 2022 13:26

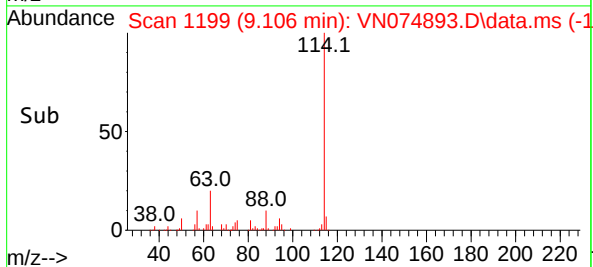
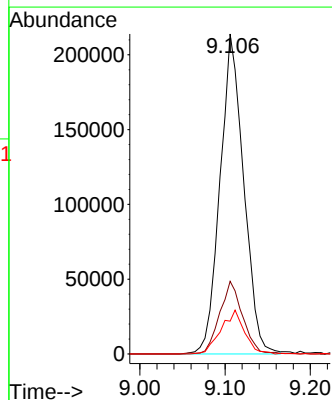
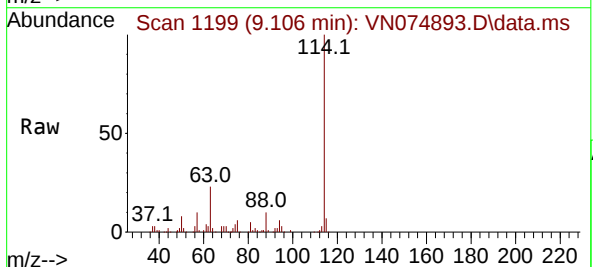
Tgt Ion:114 Resp: 412901

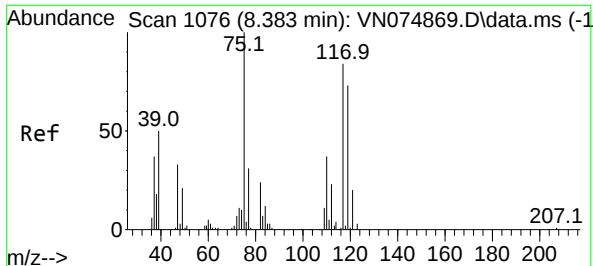
Ion Ratio Lower Upper

114 100

63 21.8 16.6 25.0

88 13.6 12.2 18.4





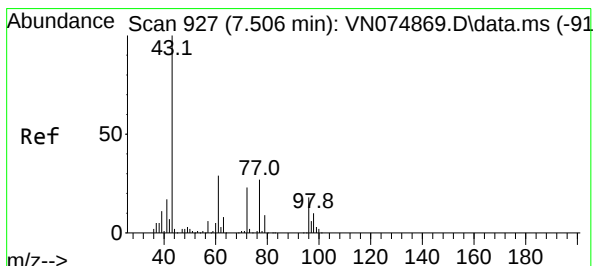
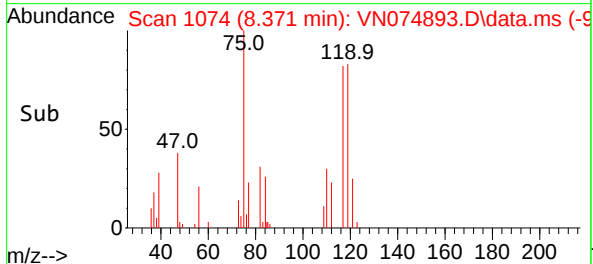
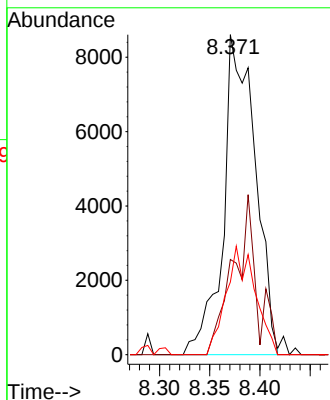
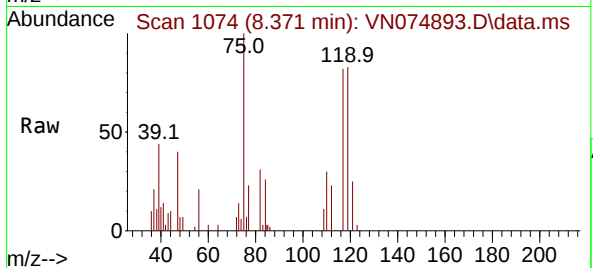
#29
1,1-Dichloropropene
Concen: 2.554 ug/l m
RT: 8.371 min Scan# 1074
Delta R.T. -0.012 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL

Tgt Ion: 75 Resp: 1902
Ion Ratio Lower Upper
75 100
110 18.6 0.0 72.2
77 30.8 0.0 64.0

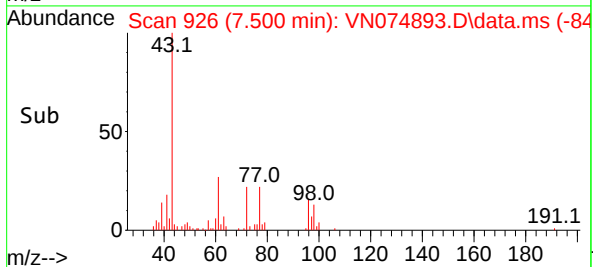
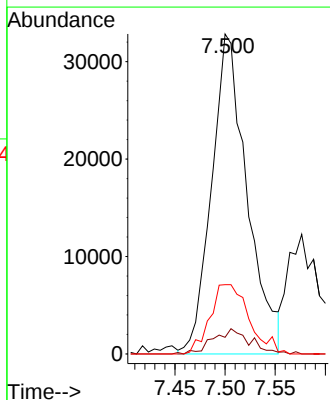
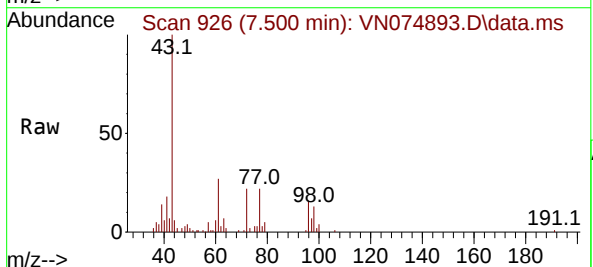
Manual Integrations
APPROVED

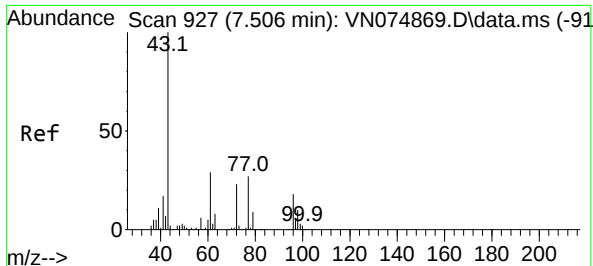
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#30
2-Butanone
Concen: 13.582 ug/l
RT: 7.500 min Scan# 926
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 43 Resp: 80733
Ion Ratio Lower Upper
43 100
57 7.8 6.3 9.5
72 22.8 21.0 31.4





#31

2,2-Dichloropropane

Concen: 2.857 ug/l m

RT: 7.506 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN074893.D

Acq: 13 Oct 2022 13:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL

Tgt Ion: 77 Resp: 2605

Ion Ratio Lower Upper

77 100

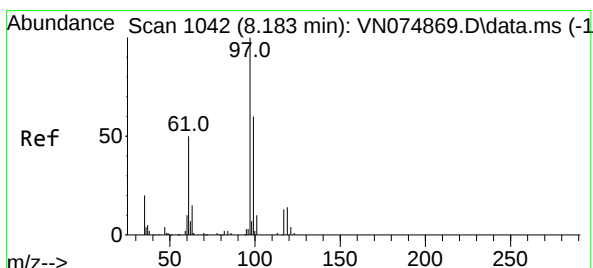
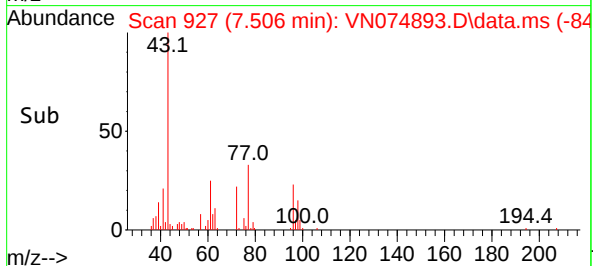
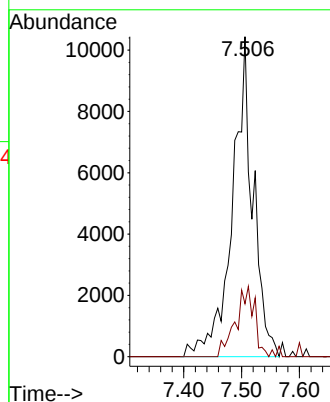
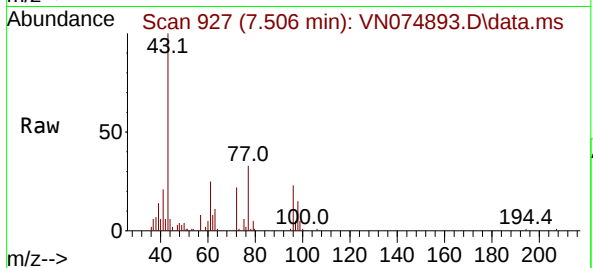
97 13.2 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#32

1,1,1-Trichloroethane

Concen: 2.709 ug/l m

RT: 8.188 min Scan# 1043

Delta R.T. 0.006 min

Lab File: VN074893.D

Acq: 13 Oct 2022 13:26

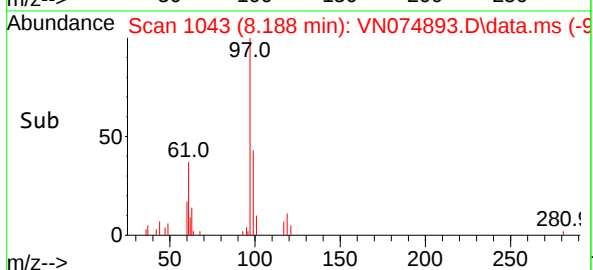
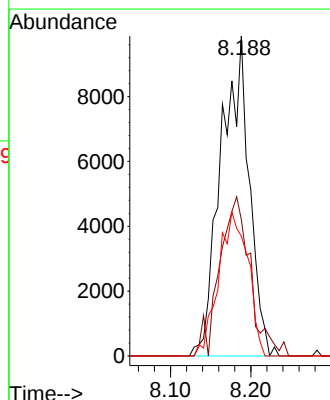
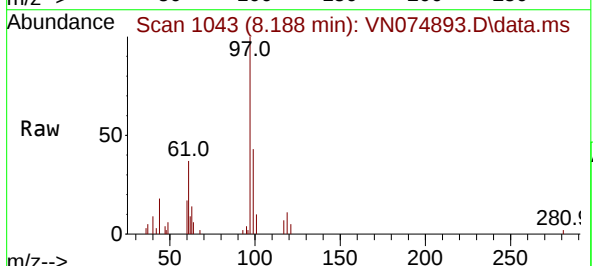
Tgt Ion: 97 Resp: 24207

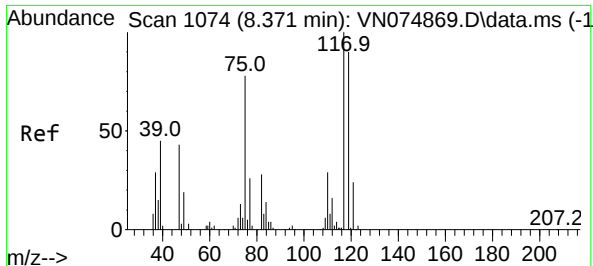
Ion Ratio Lower Upper

97 100

99 48.2 50.0 75.0#

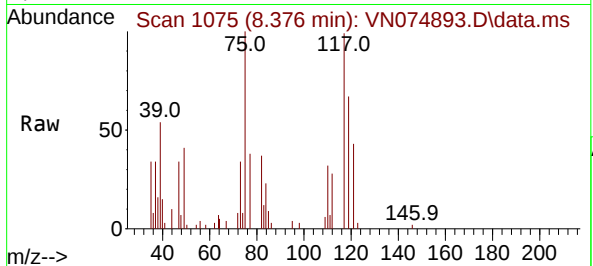
61 0.0 36.1 54.1#





#33
Carbon Tetrachloride
Concen: 2.490 ug/l
RT: 8.376 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

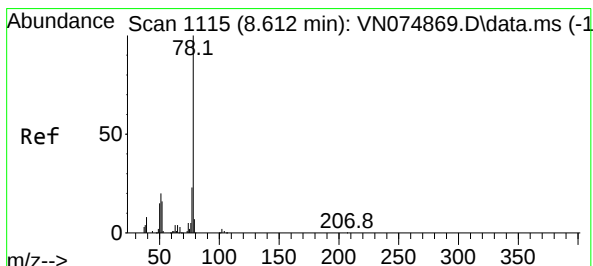
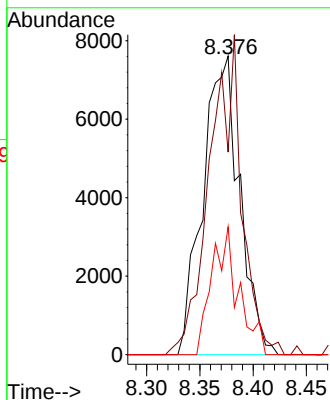
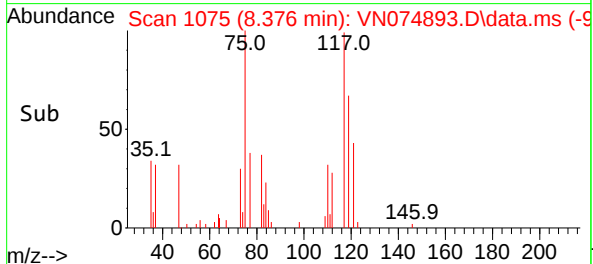
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 117 Resp: 1826
Ion Ratio Lower Upper
117 100
119 63.8 77.8 116.6#
121 42.8 27.6 41.4#

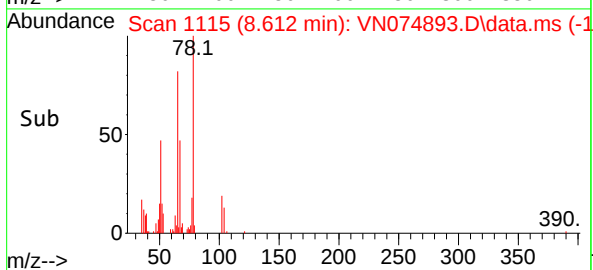
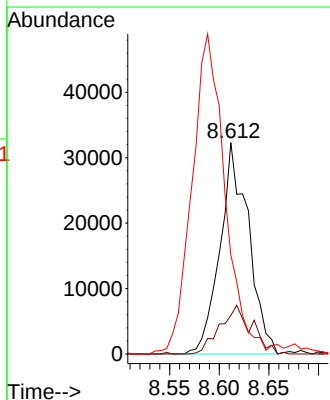
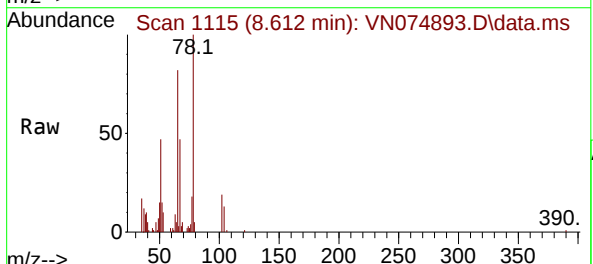
Manual Integrations
APPROVED

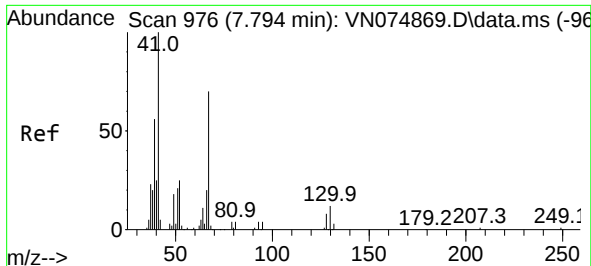
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#34
Benzene
Concen: 2.616 ug/l m
RT: 8.612 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

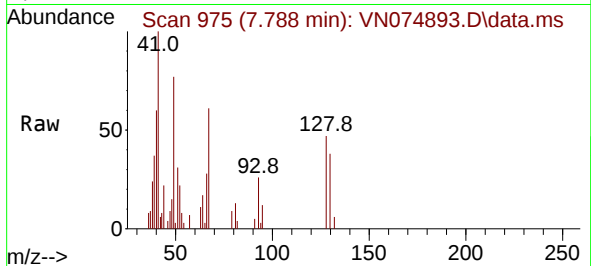
Tgt Ion: 78 Resp: 64417
Ion Ratio Lower Upper
78 100
77 18.2 19.9 29.9#
51 46.8 21.1 31.7#





#35
Methacrylonitrile
Concen: 2.381 ug/l m
RT: 7.788 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

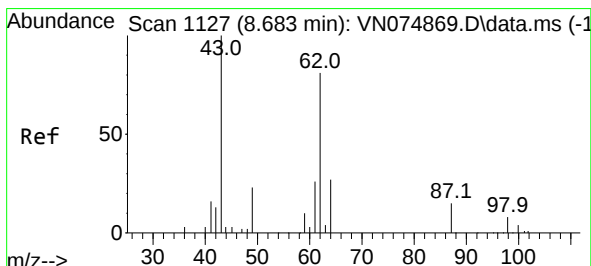
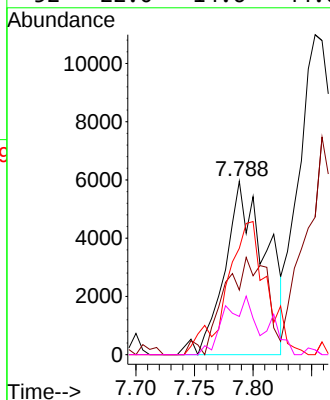
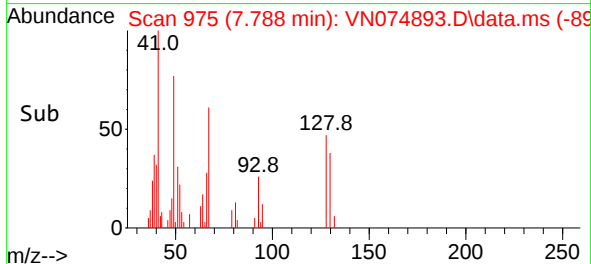
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 41 Resp: 14549
Ion Ratio Lower Upper
41 100
39 37.3 27.7 83.1
67 61.4 38.0 113.9
52 22.0 14.6 44.0

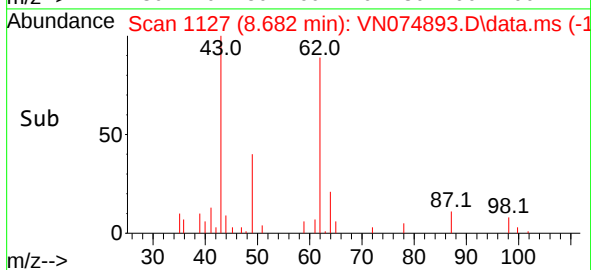
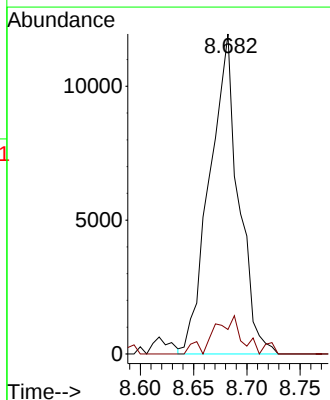
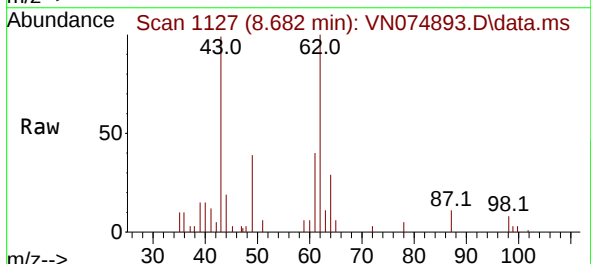
Manual Integrations
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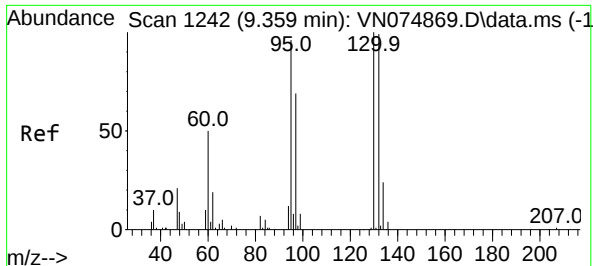
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#36
1,2-Dichloroethane
Concen: 2.757 ug/l
RT: 8.682 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 62 Resp: 22613
Ion Ratio Lower Upper
62 100
98 3.5 7.4 11.2#





#37

Trichloroethene

Concen: 2.341 ug/l m

RT: 9.353 min Scan# 1241

Delta R.T. -0.006 min

Lab File: VN074893.D

Acq: 13 Oct 2022 13:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL

Tgt Ion:130 Resp: 1198

Ion Ratio Lower Upper

130 100

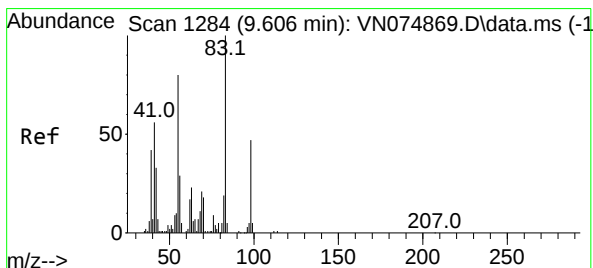
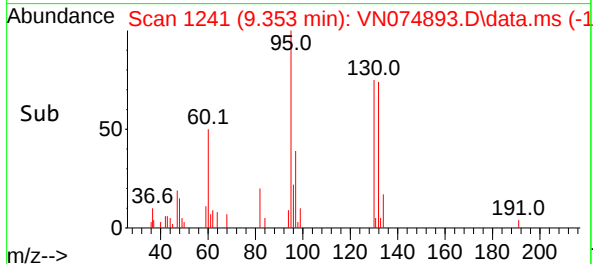
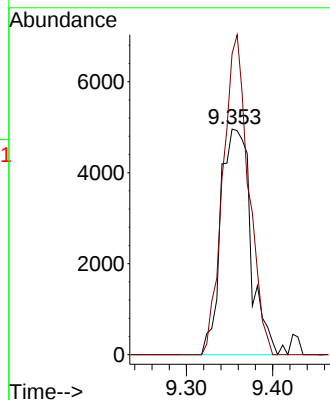
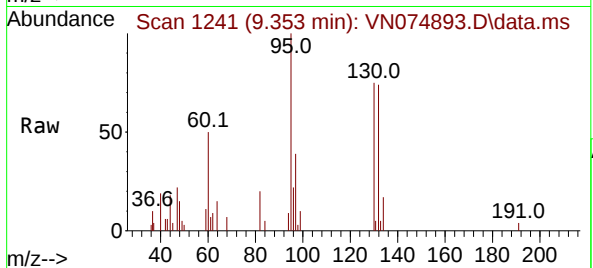
95 133.3 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#38

Methylcyclohexane

Concen: 2.747 ug/l m

RT: 9.600 min Scan# 1283

Delta R.T. -0.006 min

Lab File: VN074893.D

Acq: 13 Oct 2022 13:26

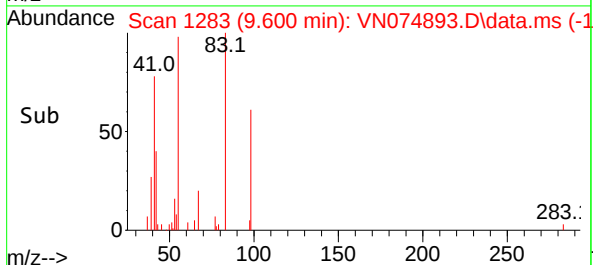
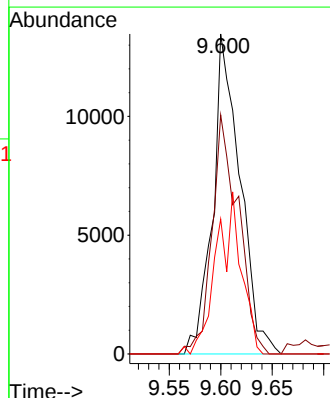
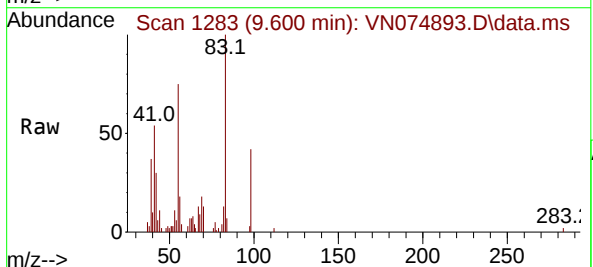
Tgt Ion: 83 Resp: 24866

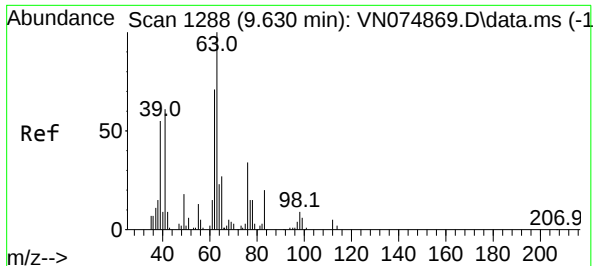
Ion Ratio Lower Upper

83 100

55 0.7 37.4 112.2#

98 0.2 24.5 73.5#





#39

1,2-Dichloropropane

Concen: 2.563 ug/l

RT: 9.623 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN074893.D

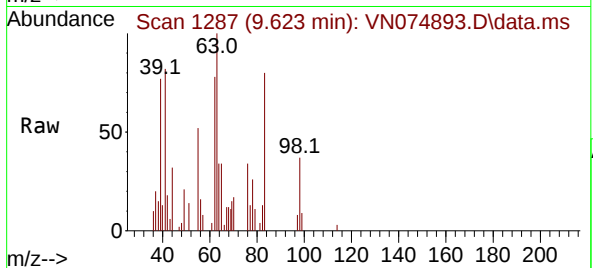
Acq: 13 Oct 2022 13:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL



Tgt Ion: 63 Resp: 16360

Ion Ratio Lower Upper

63 100

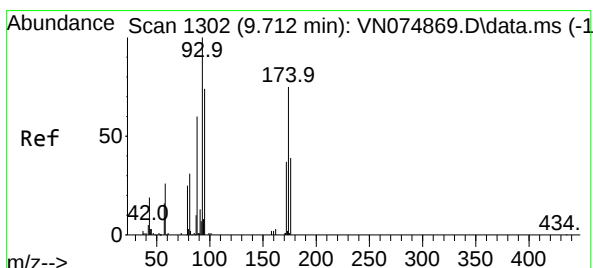
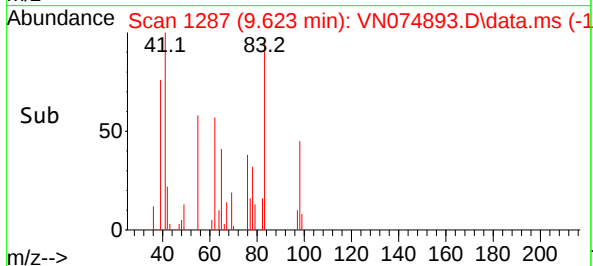
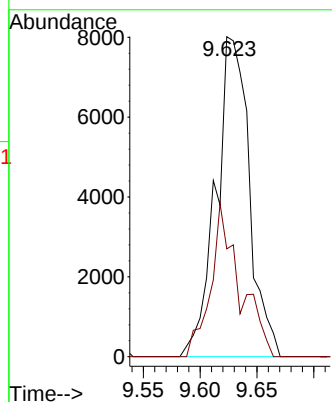
65 33.7 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#40

Dibromomethane

Concen: 2.422 ug/l

RT: 9.723 min Scan# 1304

Delta R.T. 0.011 min

Lab File: VN074893.D

Acq: 13 Oct 2022 13:26

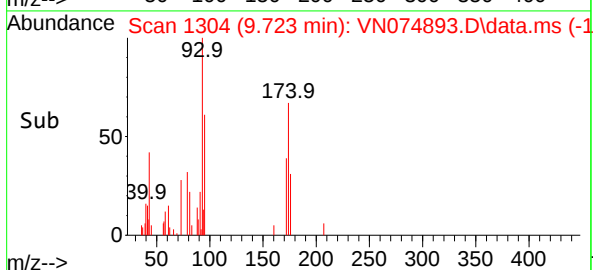
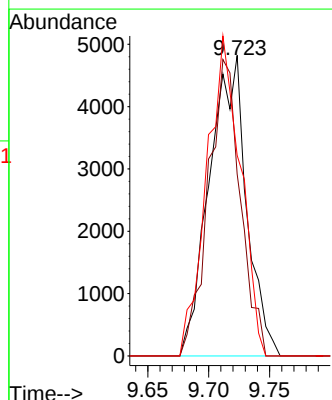
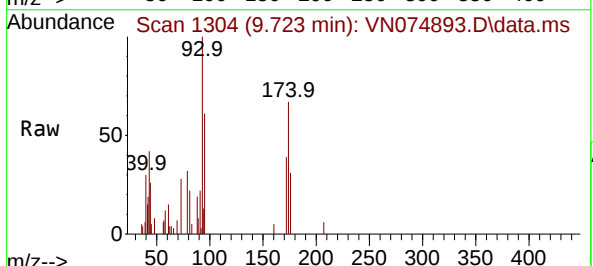
Tgt Ion: 93 Resp: 10244

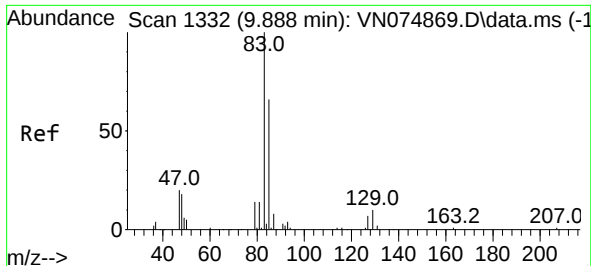
Ion Ratio Lower Upper

93 100

95 85.3 0.0 168.0

174 96.4 0.0 158.4





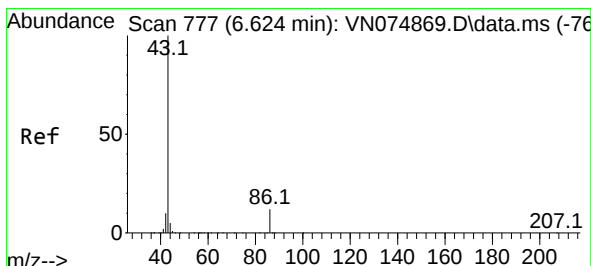
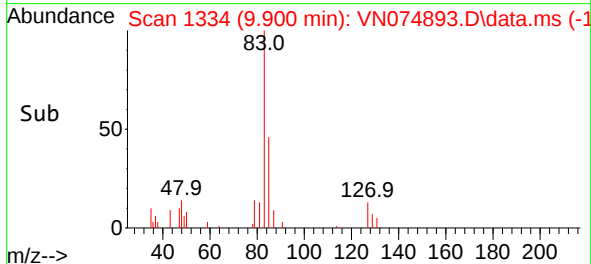
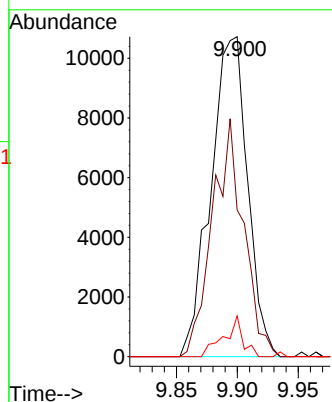
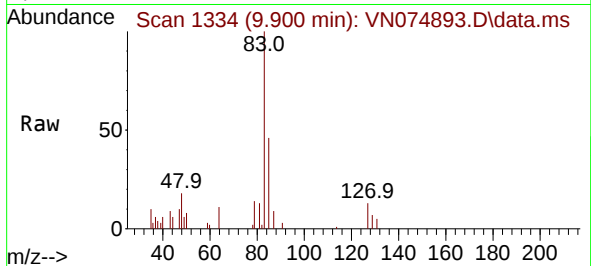
#41
Bromodichloromethane
Concen: 2.743 ug/l
RT: 9.900 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL

Tgt Ion: 83 Resp: 2260
Ion Ratio Lower Upper
83 100
85 45.9 50.2 75.4
127 12.7 5.1 7.7

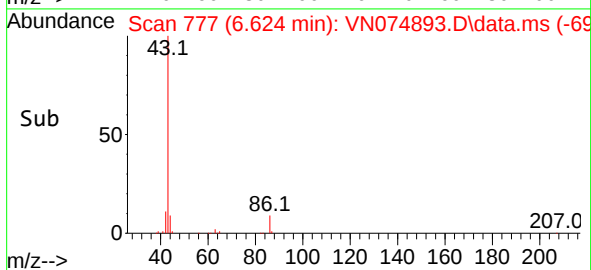
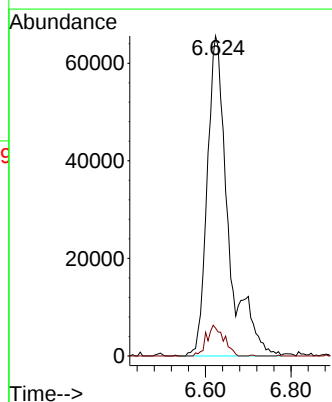
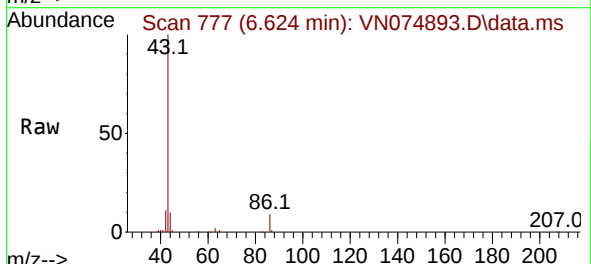
Manual Integrations
APPROVED

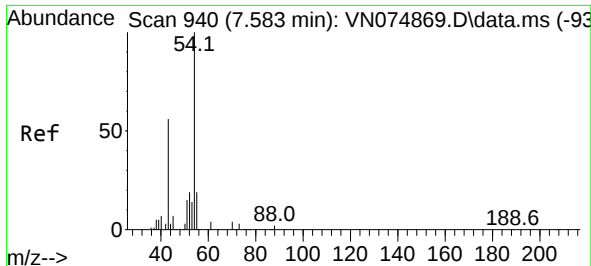
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#42
Vinyl Acetate
Concen: 12.621 ug/l m
RT: 6.624 min Scan# 777
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

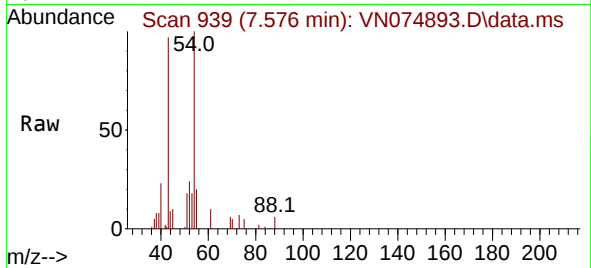
Tgt Ion: 43 Resp: 223480
Ion Ratio Lower Upper
43 100
86 6.2 7.5 11.3#





#43
Ethyl Acetate
Concen: 2.311 ug/l m
RT: 7.576 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

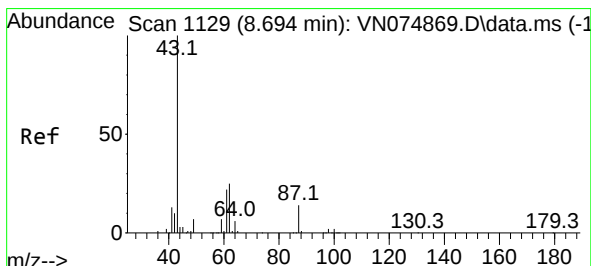
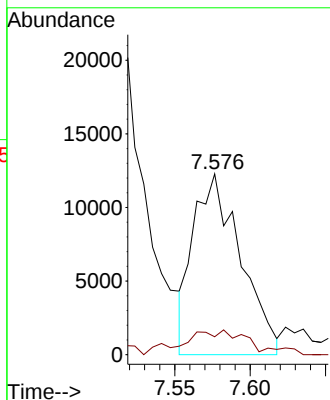
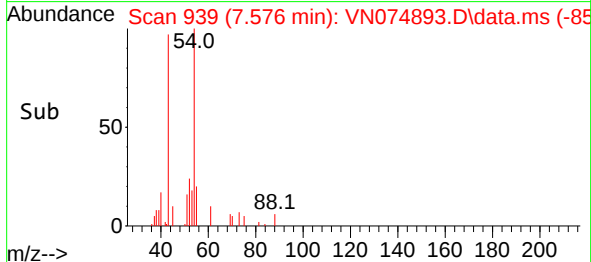
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 43 Resp: 26709
Ion Ratio Lower Upper
43 100
45 1.1 11.5 17.3

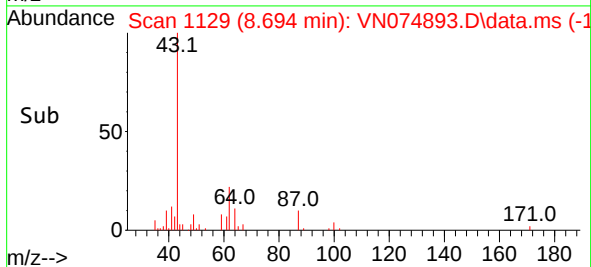
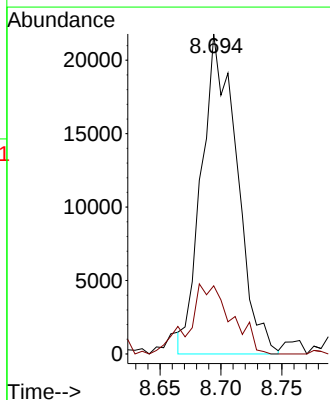
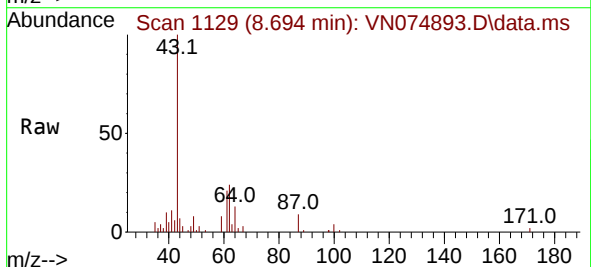
Manual Integrations
APPROVED

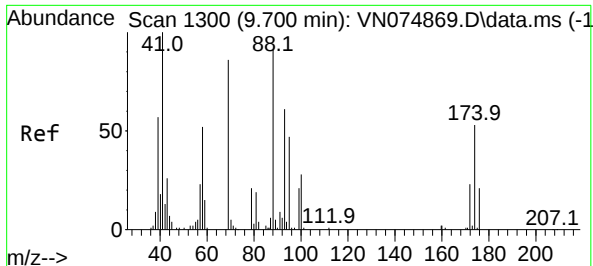
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#44
Isopropyl Acetate
Concen: 2.452 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

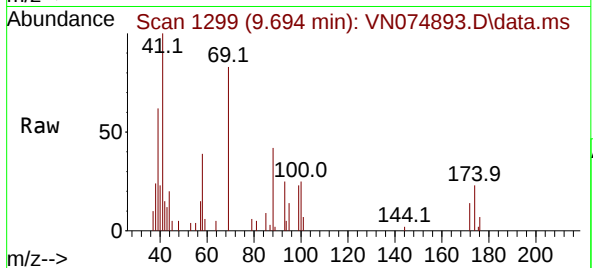
Tgt Ion: 43 Resp: 43817
Ion Ratio Lower Upper
43 100
61 21.0 19.5 29.3





#45
1,4-Dioxane
Concen: 44.465 ug/l m
RT: 9.694 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

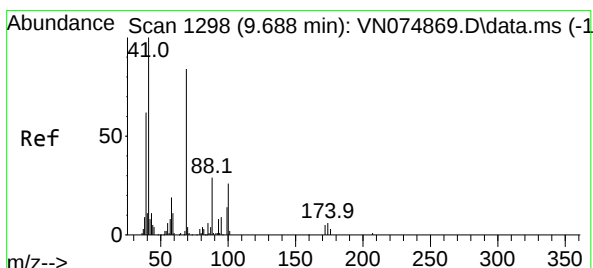
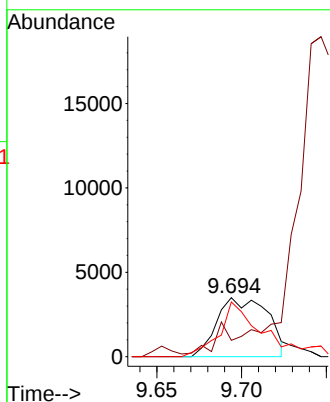
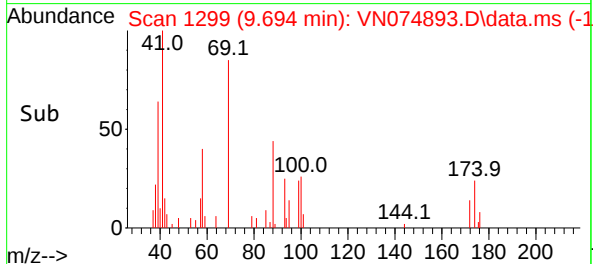
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



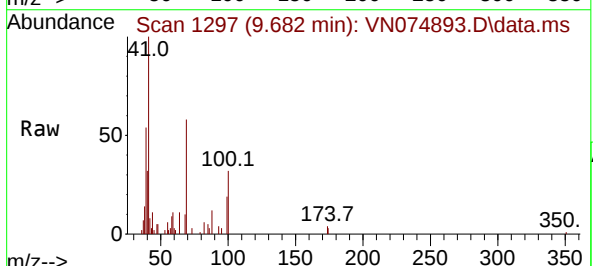
Tgt Ion: 88 Resp: 728
Ion Ratio Lower Upper
88 100
43 11.7 25.7 38.5
58 75.1 53.4 80.2

Manual Integrations
APPROVED

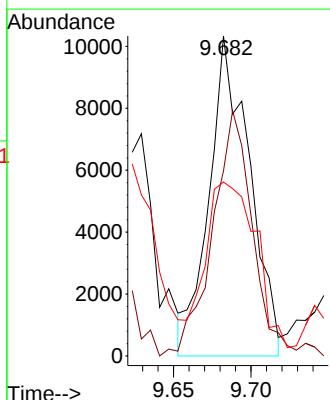
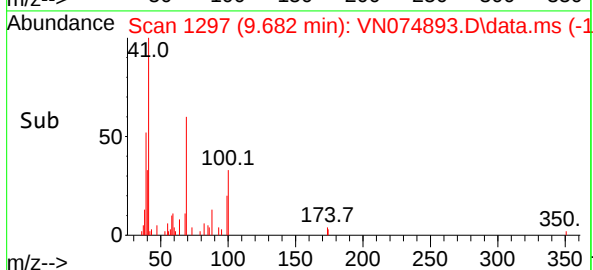
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022

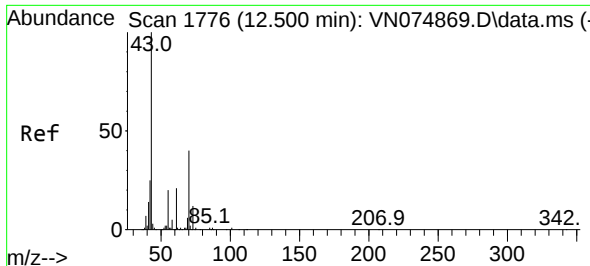


#46
Methyl methacrylate
Concen: 2.425 ug/l
RT: 9.682 min Scan# 1297
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26



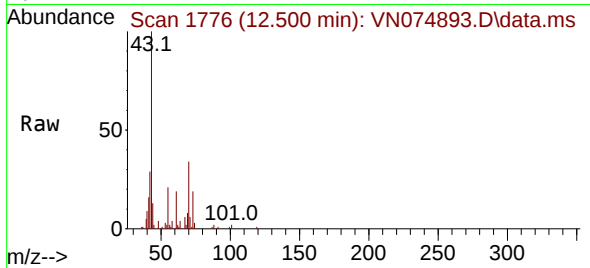
Tgt Ion: 41 Resp: 18772
Ion Ratio Lower Upper
41 100
69 59.8 45.6 136.7
39 47.6 32.3 96.9





#47
n-amy1 Acetate
Concen: 1.901 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

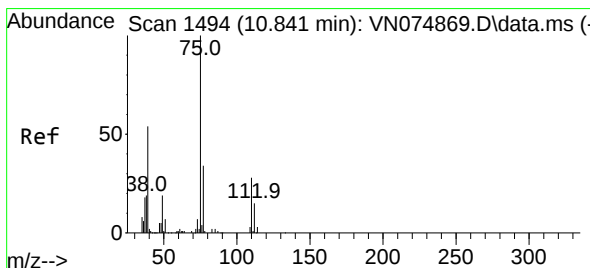
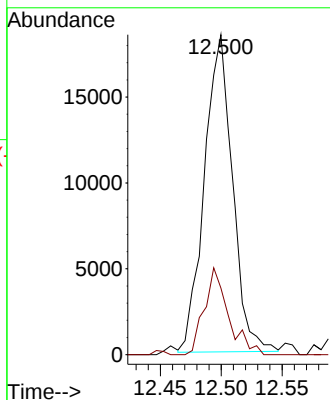
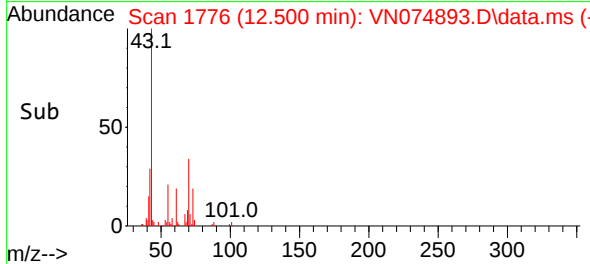
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 43 Resp: 2972
Ion Ratio Lower Upper
43 100
55 23.3 16.8 25.2

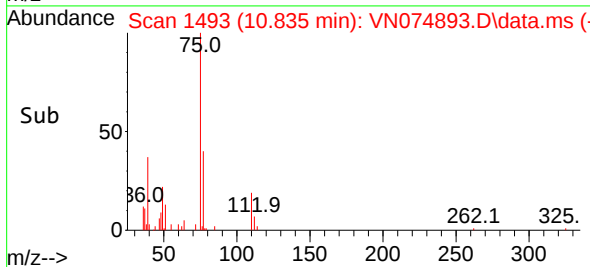
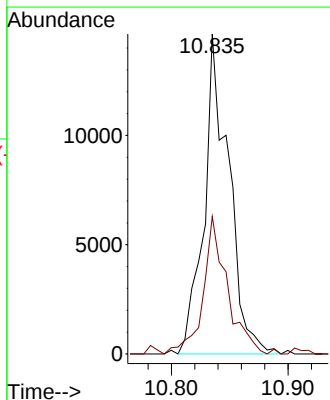
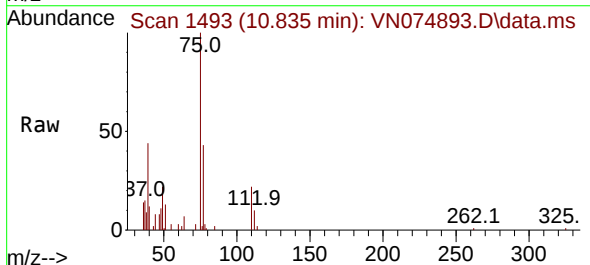
Manual Integrations
APPROVED

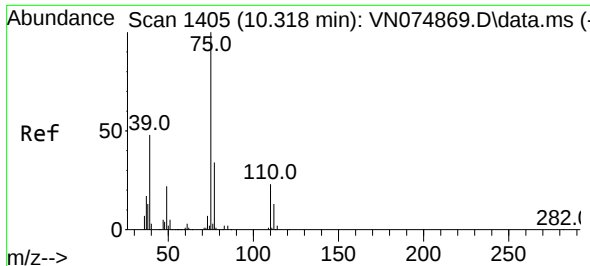
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#48
t-1,3-Dichloropropene
Concen: 2.284 ug/l m
RT: 10.835 min Scan# 1493
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

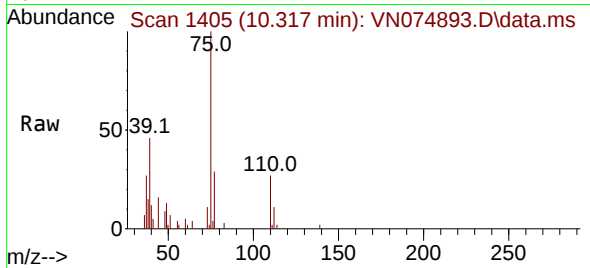
Tgt Ion: 75 Resp: 21592
Ion Ratio Lower Upper
75 100
77 42.9 25.8 38.8#





#49
cis-1,3-Dichloropropene
Concen: 2.328 ug/l
RT: 10.317 min Scan# 1405
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

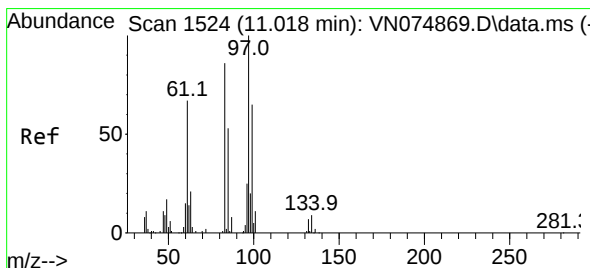
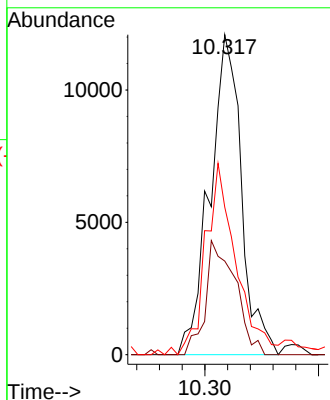
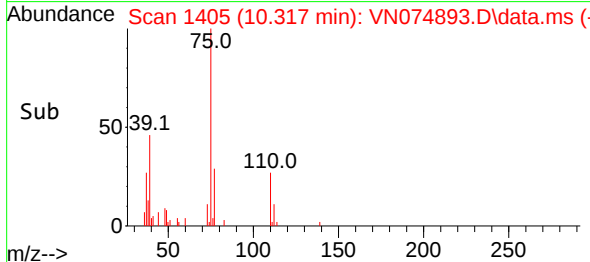
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



Tgt Ion: 75 Resp: 23330
Ion Ratio Lower Upper
75 100
77 29.2 22.5 33.7
39 46.1 37.6 56.4

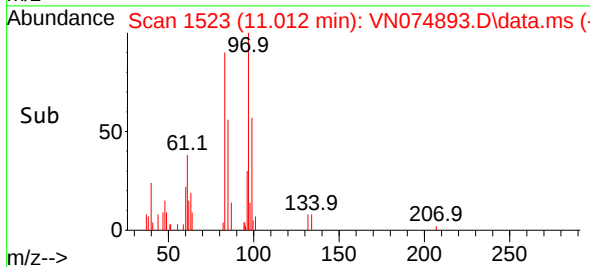
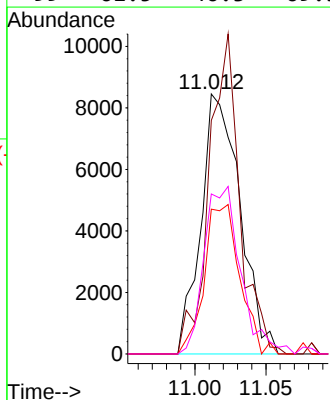
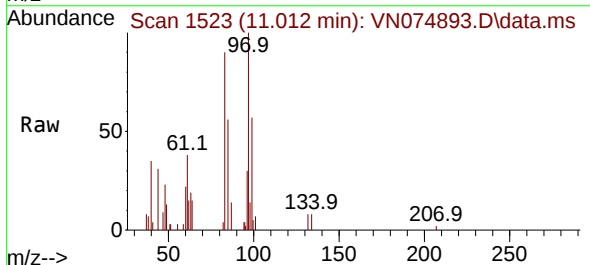
Manual Integrations
APPROVED

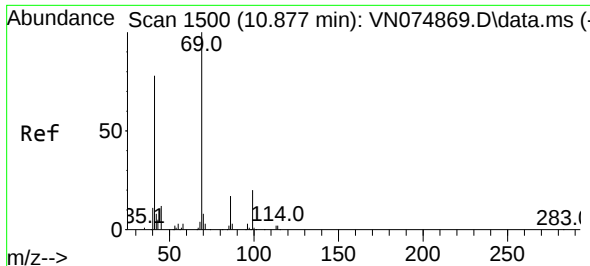
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#50
1,1,2-Trichloroethane
Concen: 2.603 ug/l
RT: 11.012 min Scan# 1523
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 97 Resp: 16207
Ion Ratio Lower Upper
97 100
83 89.9 69.2 103.8
85 55.7 41.4 62.2
99 61.5 46.3 69.5





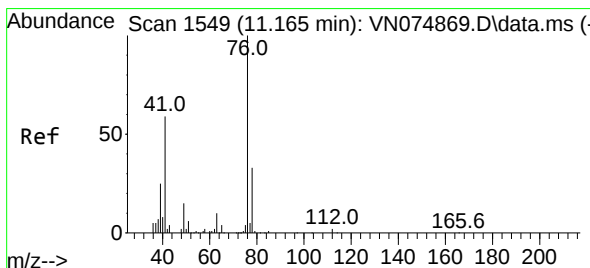
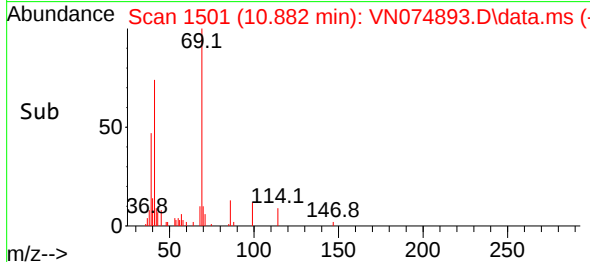
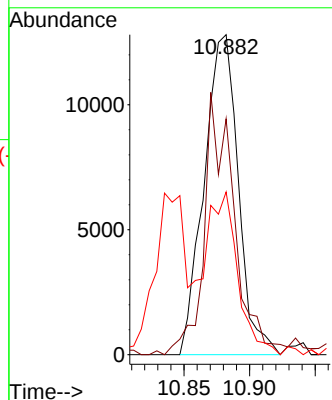
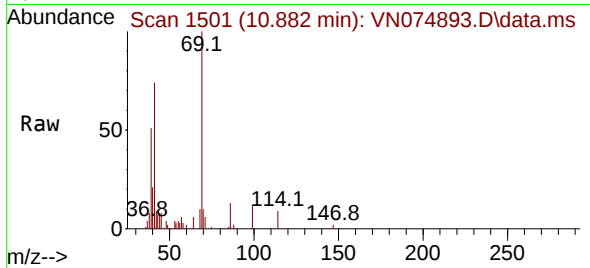
#51
Ethyl methacrylate
Concen: 2.194 ug/l
RT: 10.882 min Scan# 1501
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL

Tgt Ion: 69 Resp: 2322
Ion Ratio Lower Upper
69 100
41 70.5 32.5 97.5
39 50.8 21.5 64.5

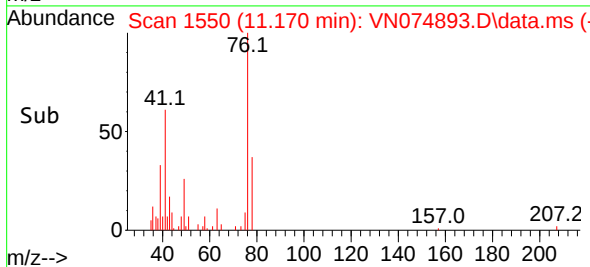
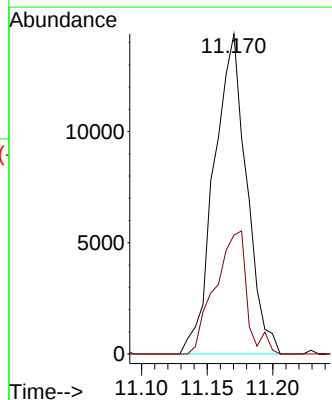
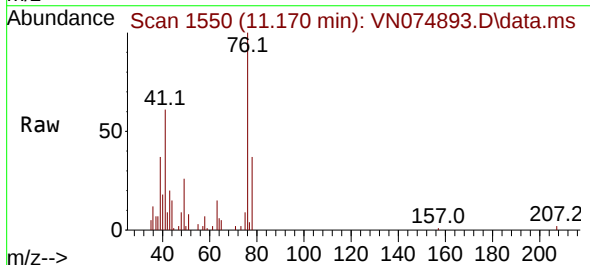
Manual Integrations
APPROVED

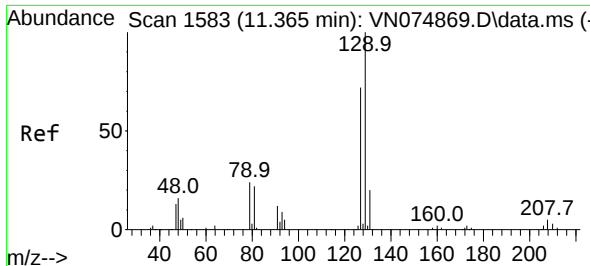
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#52
1,3-Dichloropropane
Concen: 2.304 ug/l
RT: 11.170 min Scan# 1550
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

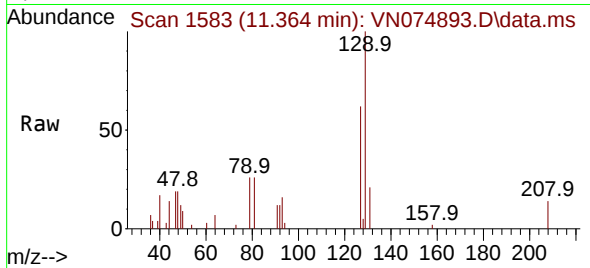
Tgt Ion: 76 Resp: 24760
Ion Ratio Lower Upper
76 100
78 35.9 0.0 63.8





#53
Dibromochloromethane
Concen: 2.404 ug/l
RT: 11.364 min Scan# 1136
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

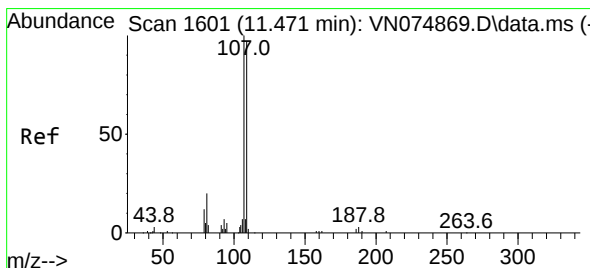
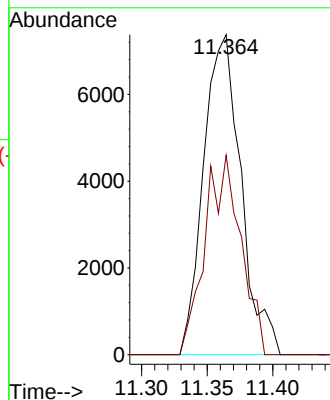
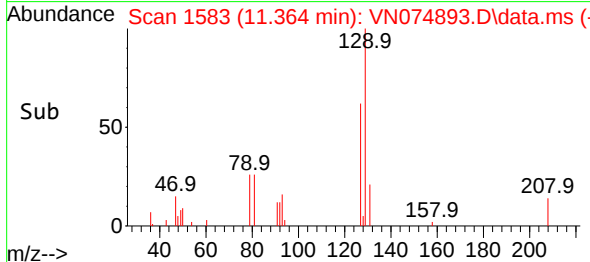
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion:129 Resp: 1466
Ion Ratio Lower Upper
129 100
127 59.6 40.6 121.7

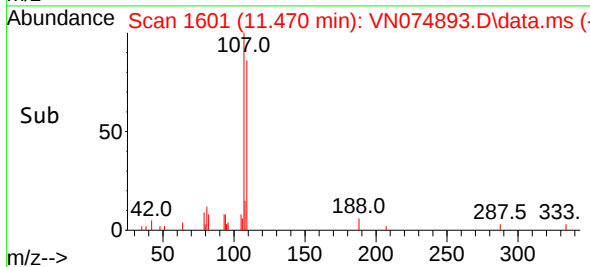
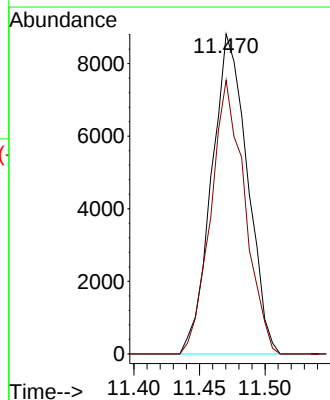
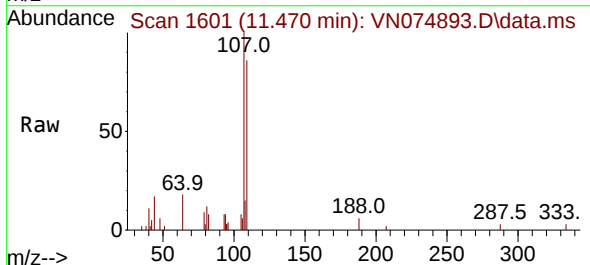
Manual Integrations
APPROVED

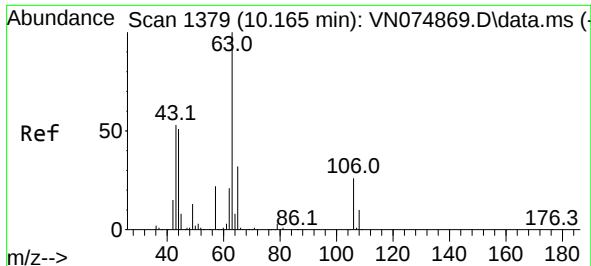
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#54
1,2-Dibromoethane
Concen: 2.795 ug/l
RT: 11.470 min Scan# 1601
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

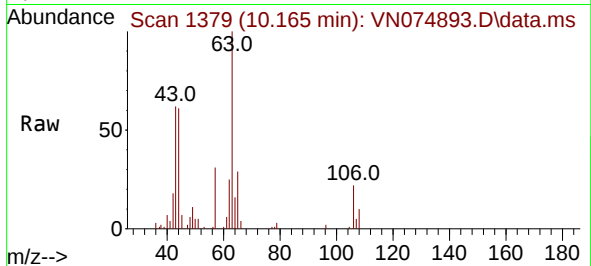
Tgt Ion:107 Resp: 16717
Ion Ratio Lower Upper
107 100
109 81.0 76.2 114.2





#55
2-Chloroethyl vinyl ether
Concen: 9.509 ug/l
RT: 10.165 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

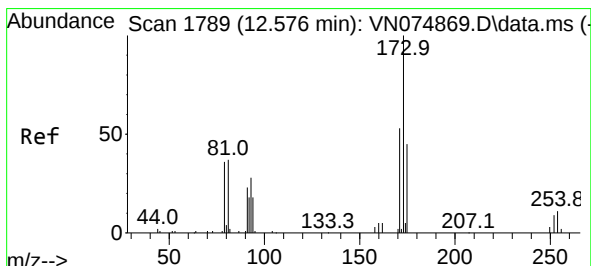
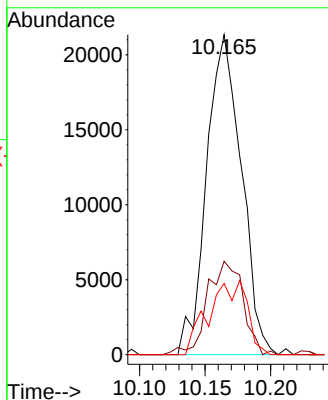
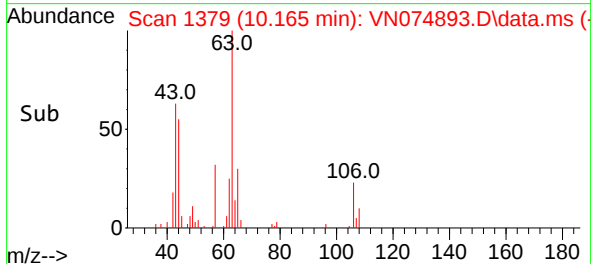
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



Tgt Ion: 63 Resp: 39374
Ion Ratio Lower Upper
63 100
65 28.8 24.6 36.8
106 6.1 21.3 31.9

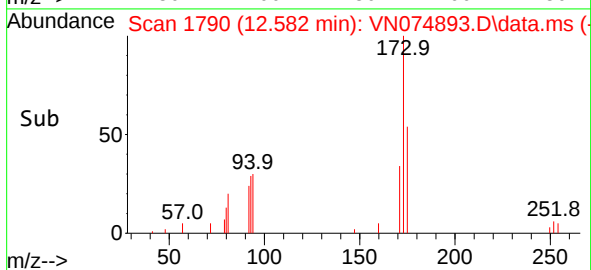
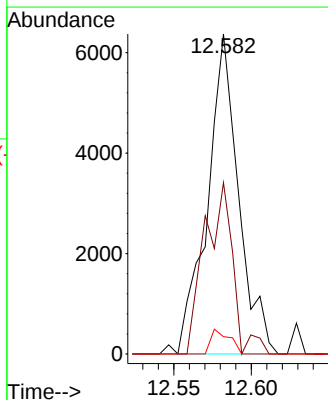
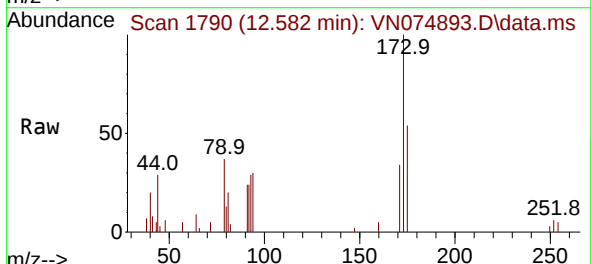
Manual Integrations
APPROVED

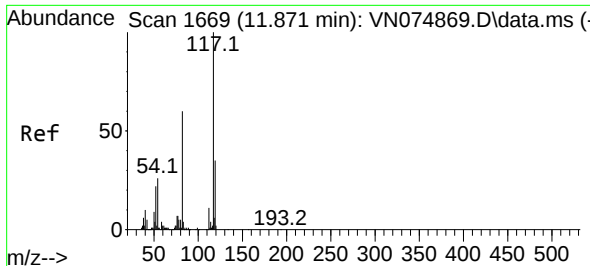
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#56
Bromoform
Concen: 2.027 ug/l
RT: 12.582 min Scan# 1790
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

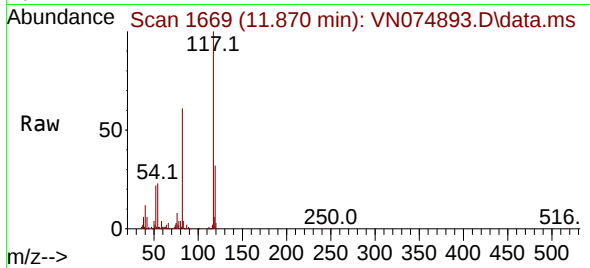
Tgt Ion:173 Resp: 8907
Ion Ratio Lower Upper
173 100
175 46.1 39.1 58.7
254 4.6 7.0 10.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

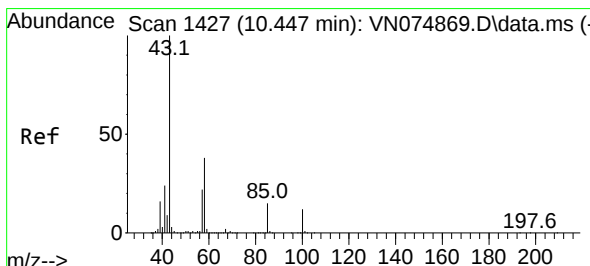
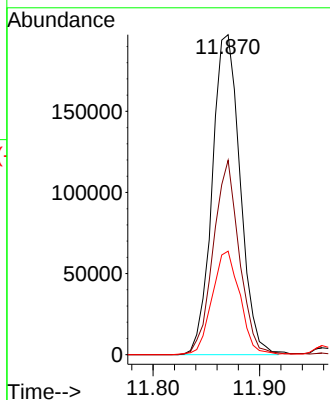
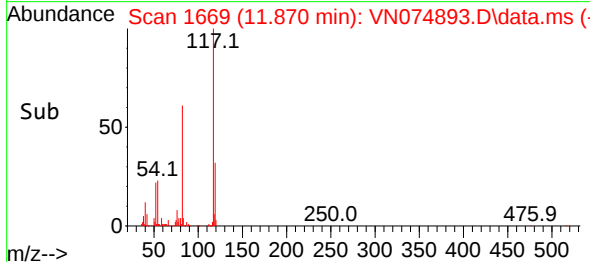
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 117 Resp: 359198
Ion Ratio Lower Upper
117 100
82 56.7 44.6 67.0
119 32.2 25.6 38.4

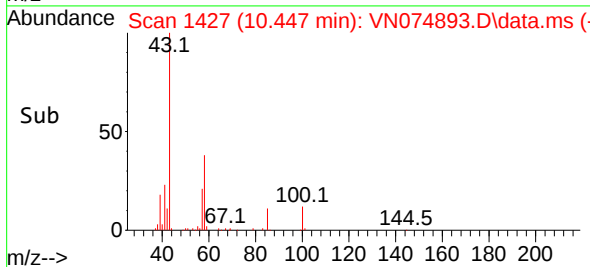
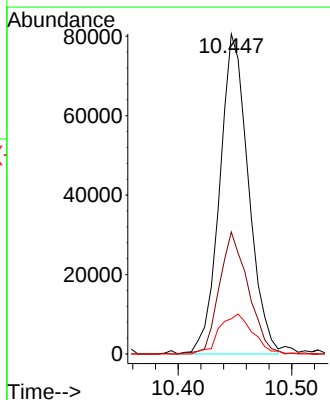
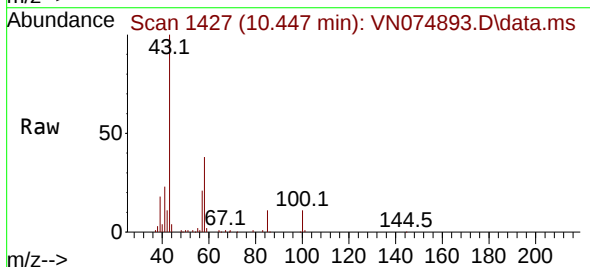
Manual Integrations
APPROVED

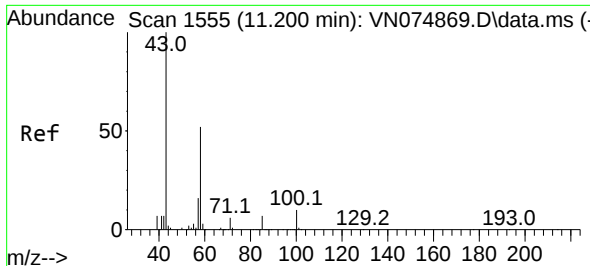
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#58
4-Methyl-2-Pentanone
Concen: 12.676 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

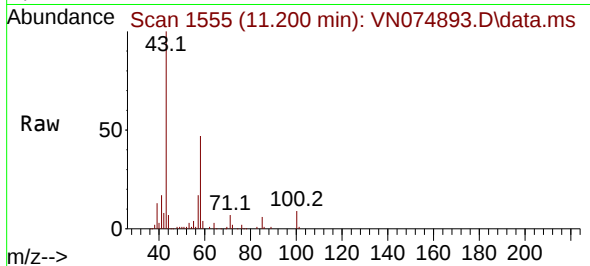
Tgt Ion: 43 Resp: 141604
Ion Ratio Lower Upper
43 100
58 38.3 30.8 46.2
85 14.0 13.3 19.9





#59
2-Hexanone
Concen: 12.218 ug/l
RT: 11.200 min Scan# 1155
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

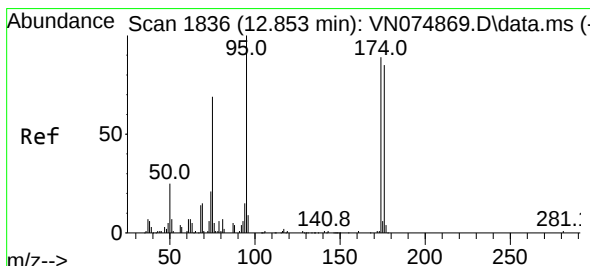
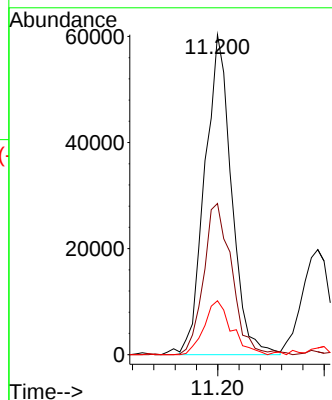
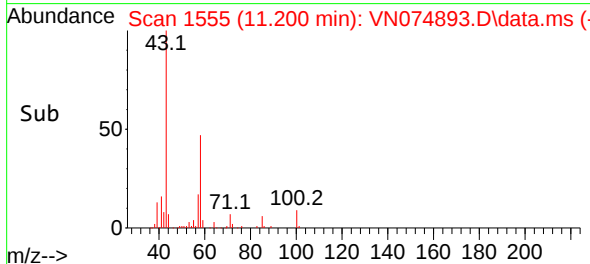
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 43 Resp: 10504
Ion Ratio Lower Upper
43 100
58 49.5 43.6 65.4
57 17.4 14.3 21.5

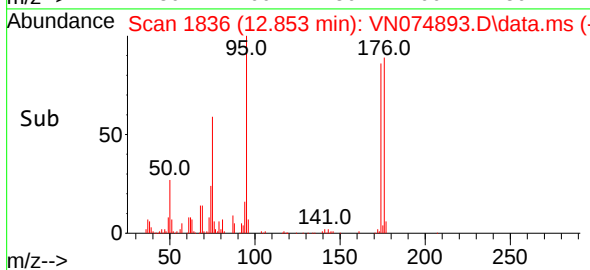
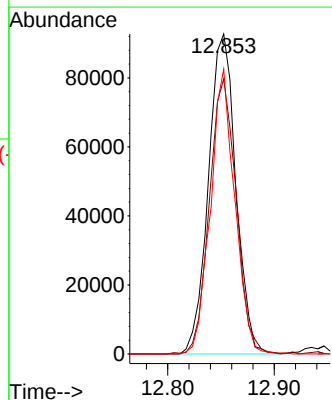
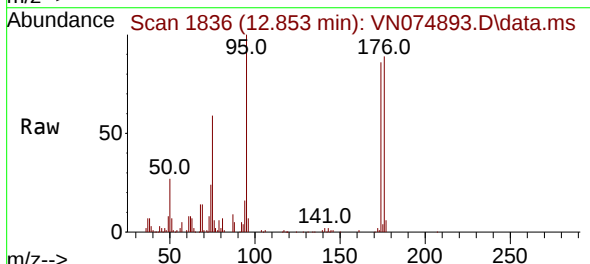
Manual Integrations
APPROVED

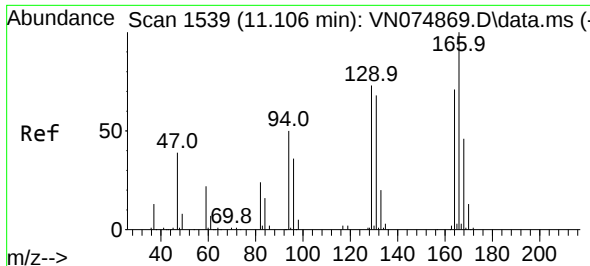
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#60
4-Bromofluorobenzene
Concen: 25.944 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

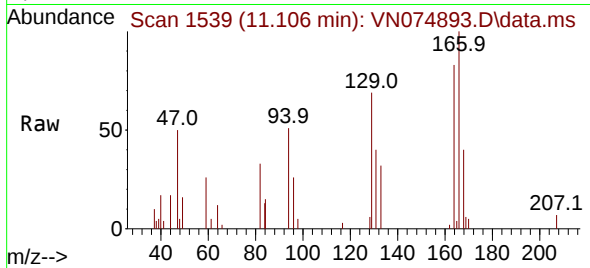
Tgt Ion: 95 Resp: 165258
Ion Ratio Lower Upper
95 100
174 84.4 57.8 86.8
176 79.4 57.0 85.4





#61
Tetrachloroethene
Concen: 2.486 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

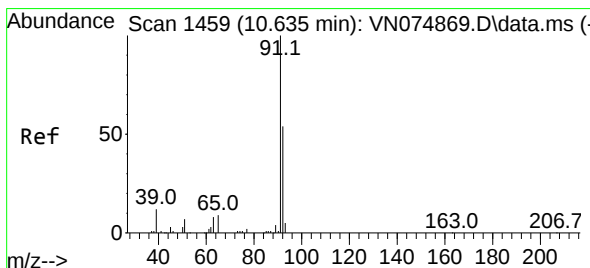
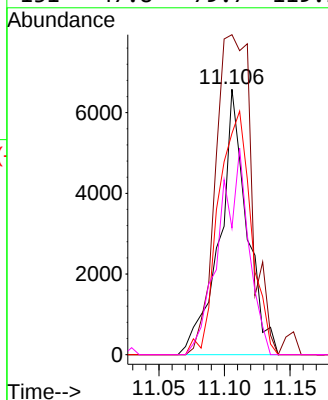
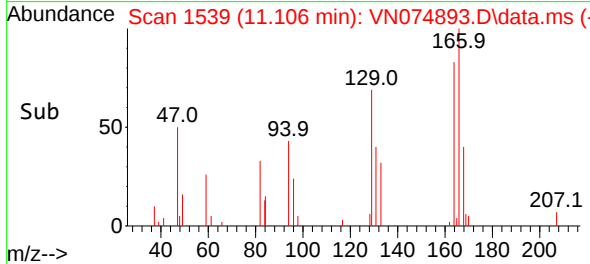
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



Tgt Ion:164 Resp: 9518
Ion Ratio Lower Upper
164 100
166 120.5 99.6 149.4
129 83.4 84.0 126.0
131 47.8 79.7 119.5#

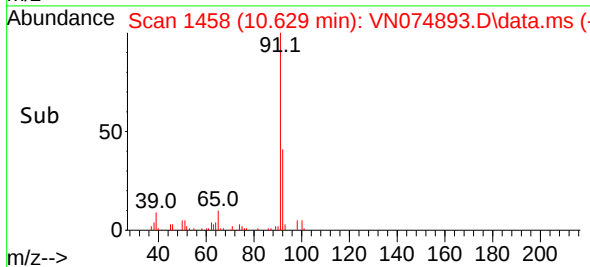
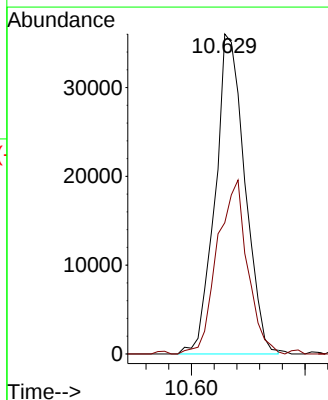
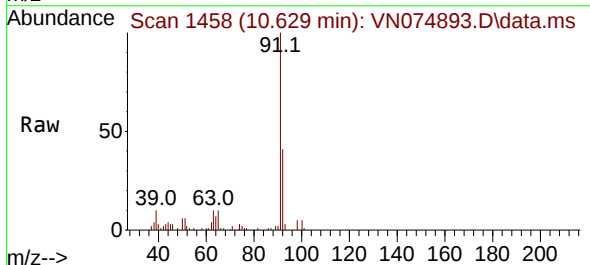
Manual Integrations
APPROVED

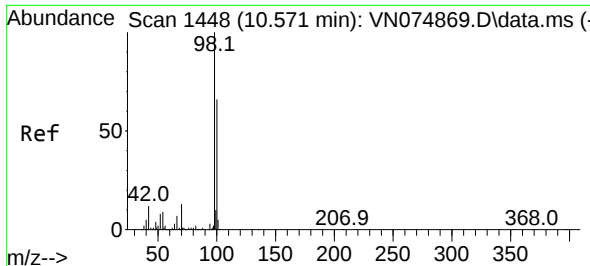
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#62
Toluene
Concen: 2.641 ug/l
RT: 10.629 min Scan# 1458
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

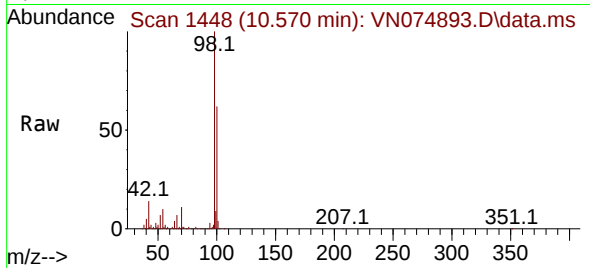
Tgt Ion: 91 Resp: 65542
Ion Ratio Lower Upper
91 100
92 55.3 46.0 69.0





#63
Toluene-d8
Concen: 31.225 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

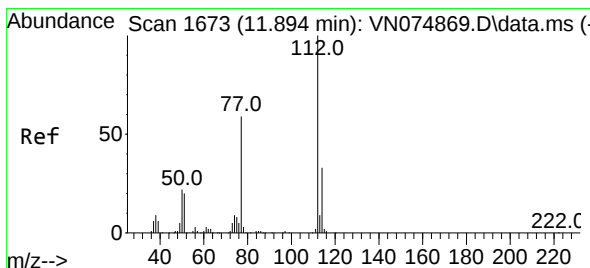
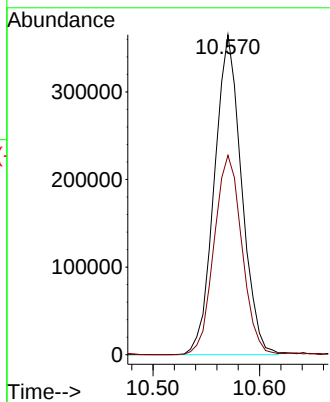
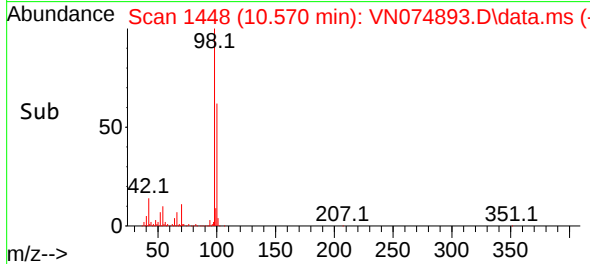
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



Tgt Ion: 98 Resp: 647330
Ion Ratio Lower Upper
98 100
100 63.9 52.7 79.1

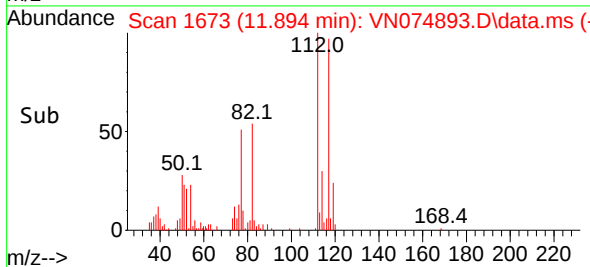
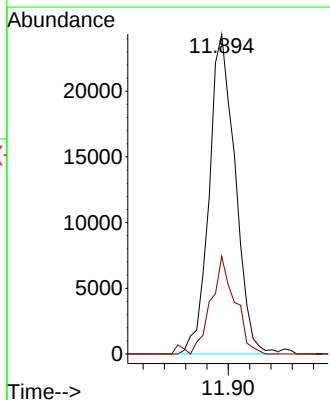
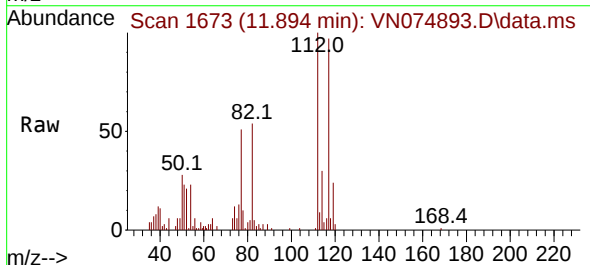
Manual Integrations
APPROVED

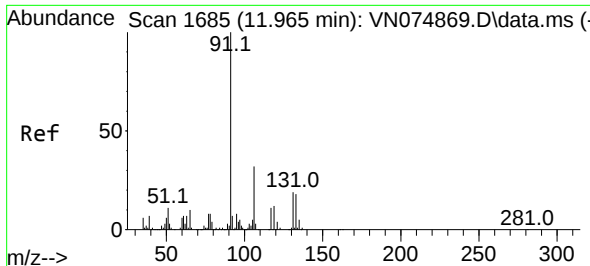
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#64
Chlorobenzene
Concen: 2.929 ug/l
RT: 11.894 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion:112 Resp: 41311
Ion Ratio Lower Upper
112 100
114 30.5 24.7 37.1





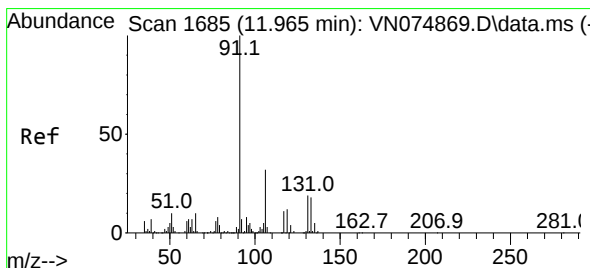
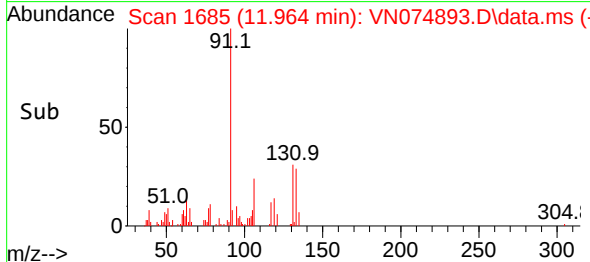
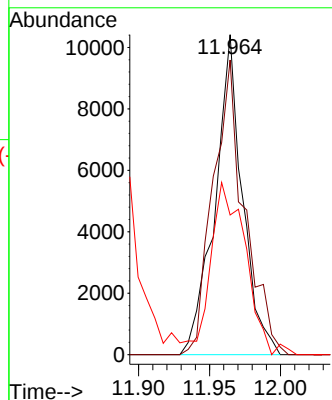
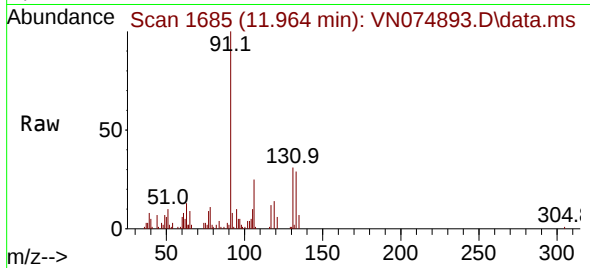
#65
1,1,1,2-Tetrachloroethane
Concen: 2.643 ug/l
RT: 11.964 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL

Tgt Ion:131 Resp: 1404
Ion Ratio Lower Upper
131 100
133 105.0 0.0 191.8
119 65.0 0.0 135.8

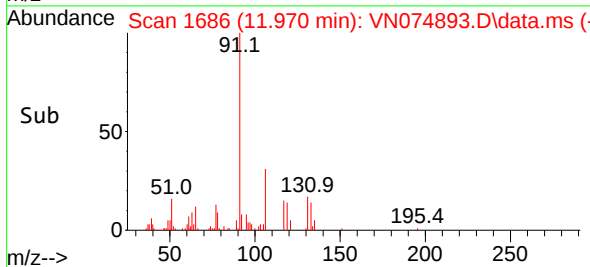
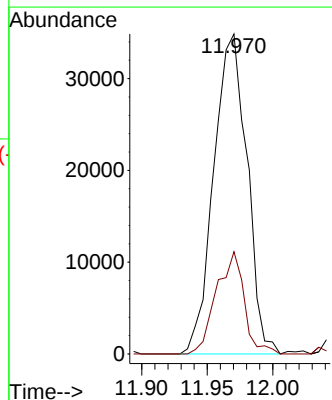
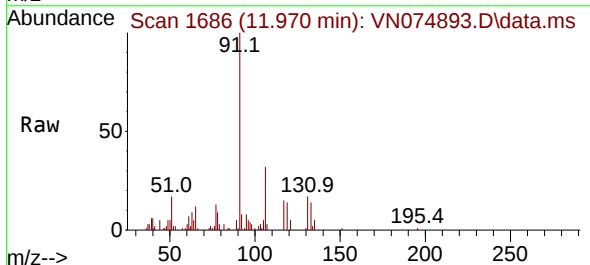
Manual Integrations
APPROVED

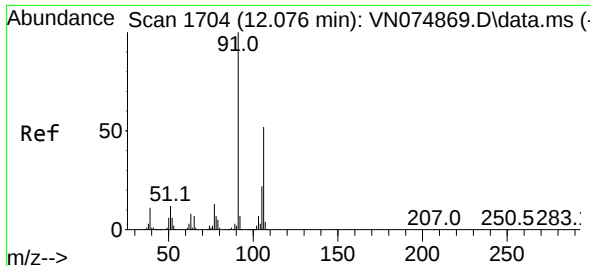
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#66
Ethyl Benzene
Concen: 2.280 ug/l
RT: 11.970 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 91 Resp: 61539
Ion Ratio Lower Upper
91 100
106 32.0 24.1 36.1





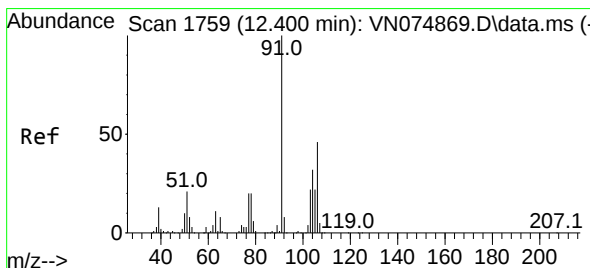
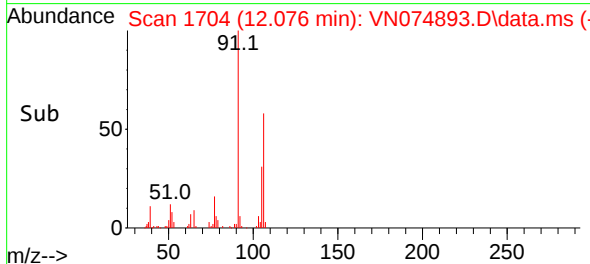
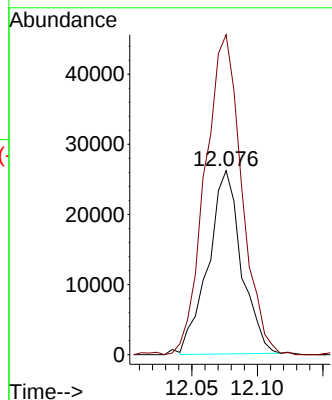
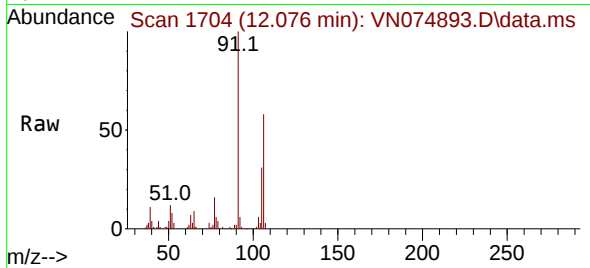
#67
m/p-Xylenes
Concen: 4.531 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL

Tgt Ion:106 Resp: 4593
Ion Ratio Lower Upper
106 100
91 193.0 164.2 246.4

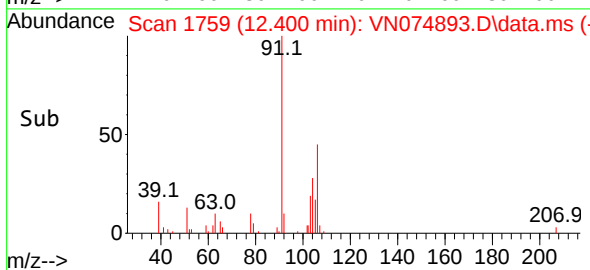
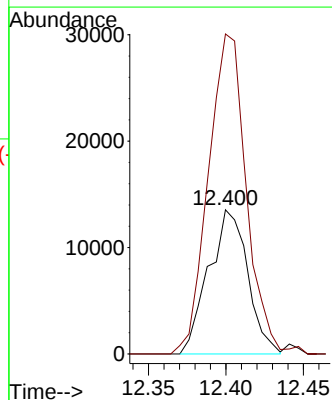
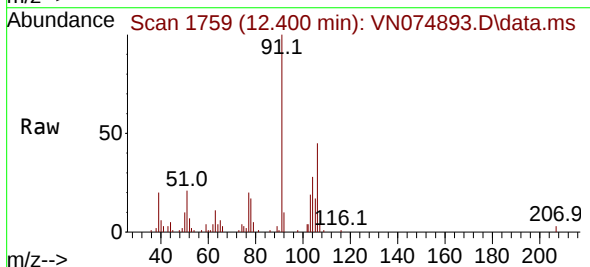
Manual Integrations
APPROVED

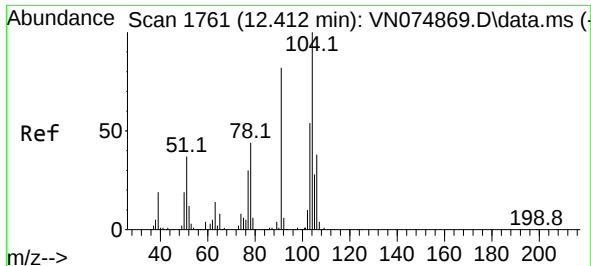
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#68
o-Xylene
Concen: 2.297 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion:106 Resp: 23672
Ion Ratio Lower Upper
106 100
91 214.8 108.5 325.5





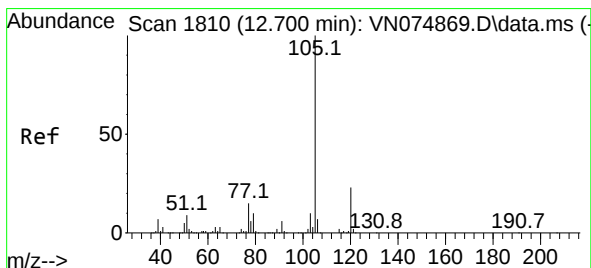
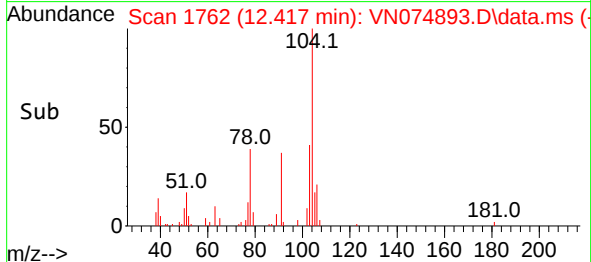
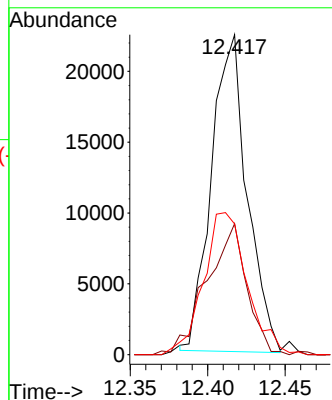
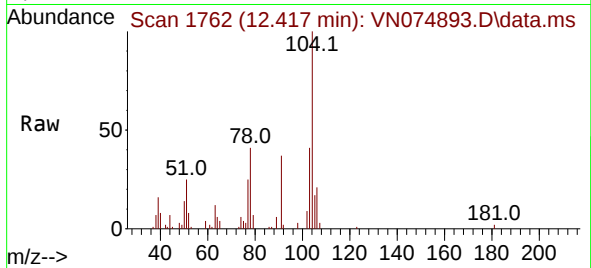
#69
Styrene
Concen: 2.127 ug/l
RT: 12.417 min Scan# 1761
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL

Tgt Ion:104 Resp: 3587
Ion Ratio Lower Upper
104 100
78 46.4 39.9 59.9
103 54.7 43.8 65.8

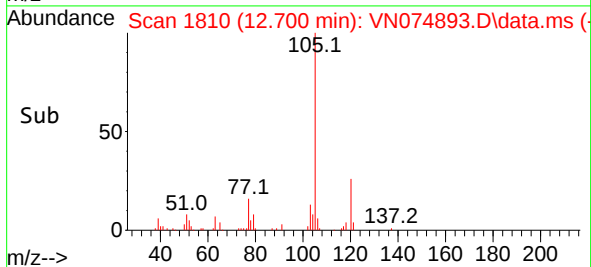
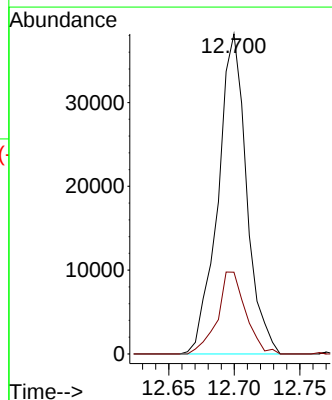
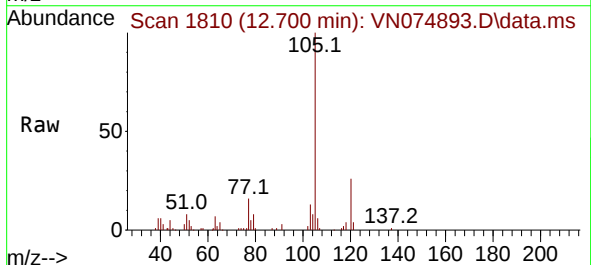
Manual Integrations
APPROVED

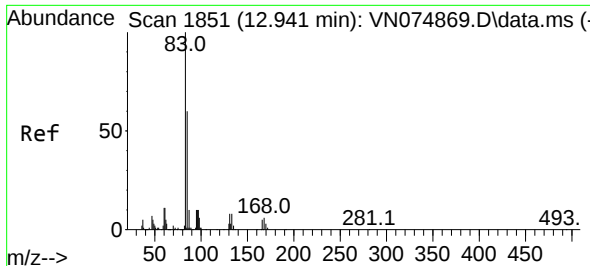
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#70
Isopropylbenzene
Concen: 2.185 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion:105 Resp: 58059
Ion Ratio Lower Upper
105 100
120 25.1 18.5 34.3





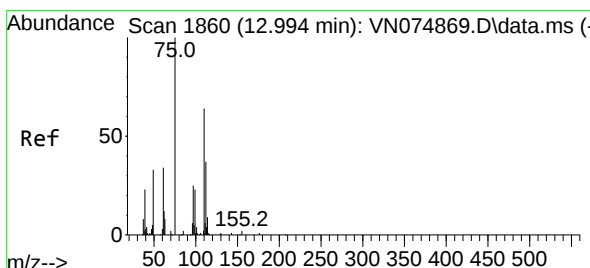
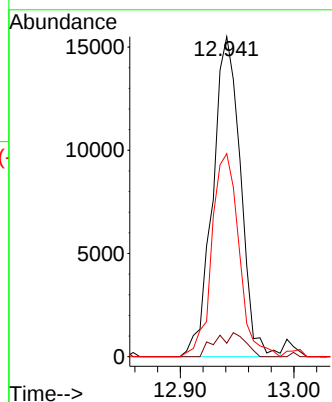
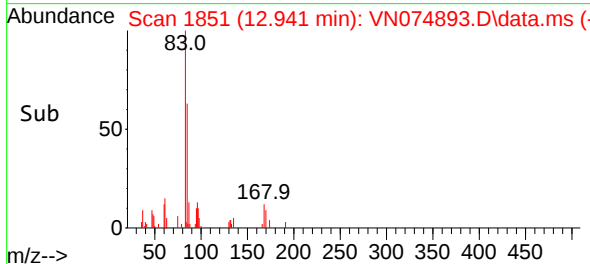
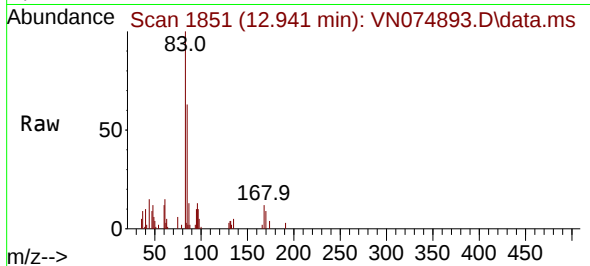
#71
1,1,2,2-Tetrachloroethane
Concen: 2.655 ug/l
RT: 12.941 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL

Tgt Ion: 83 Resp: 26398
Ion Ratio Lower Upper
83 100
131 8.2 4.5 13.5
85 61.7 30.9 92.7

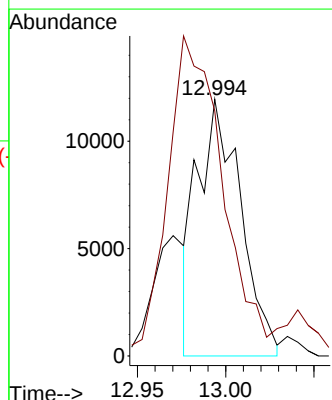
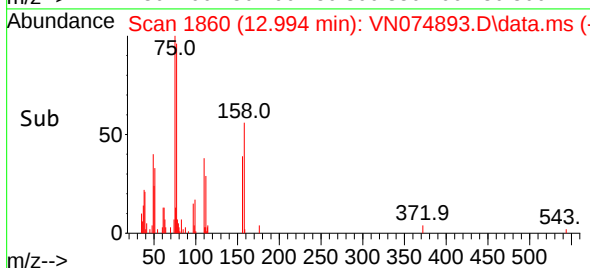
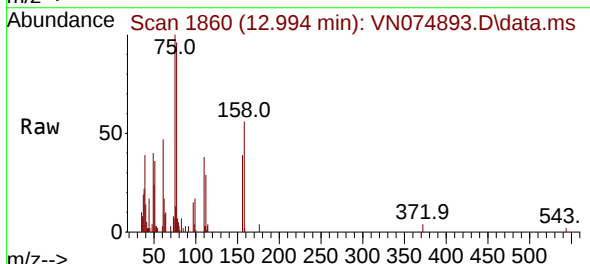
Manual Integrations
APPROVED

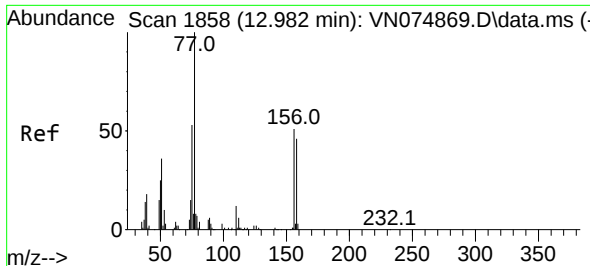
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#72
1,2,3-Trichloropropane
Concen: 2.429 ug/l m
RT: 12.994 min Scan# 1860
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 75 Resp: 20290
Ion Ratio Lower Upper
75 100
77 0.0 0.0 372.4





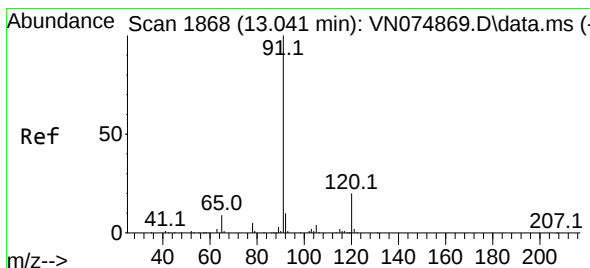
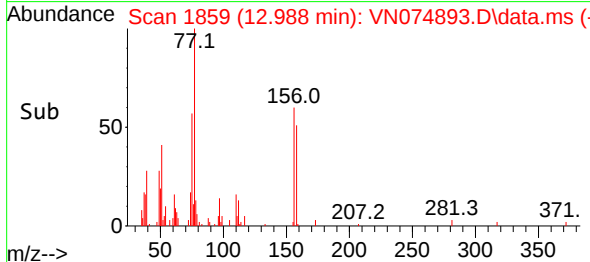
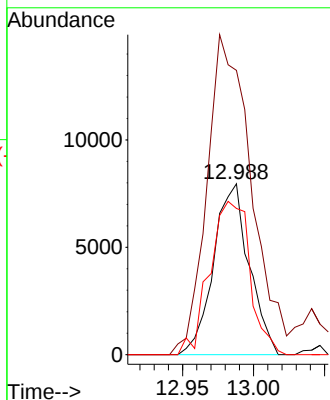
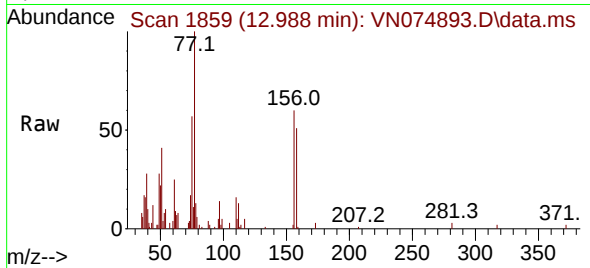
#73
Bromobenzene
Concen: 2.489 ug/l
RT: 12.988 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL

Tgt Ion:156 Resp: 13864
Ion Ratio Lower Upper
156 100
77 232.0 0.0 491.8
158 66.6 0.0 185.0

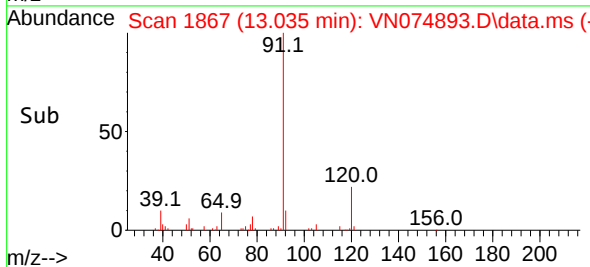
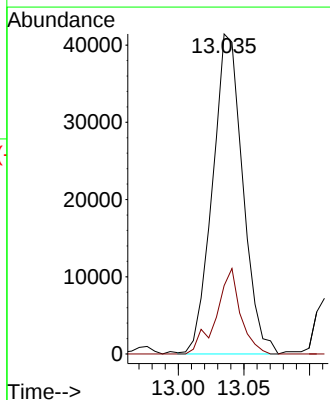
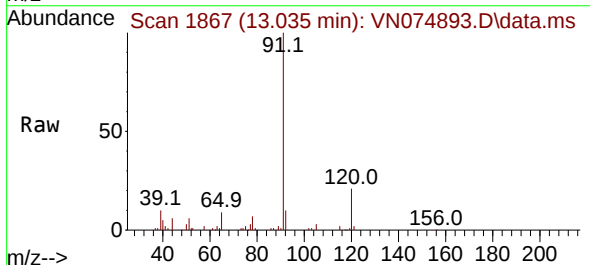
Manual Integrations
APPROVED

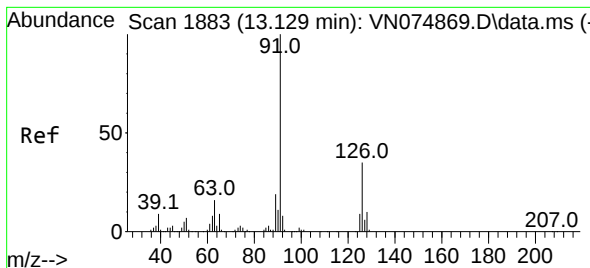
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#74
n-propylbenzene
Concen: 2.143 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 91 Resp: 66397
Ion Ratio Lower Upper
91 100
120 21.4 0.0 44.6





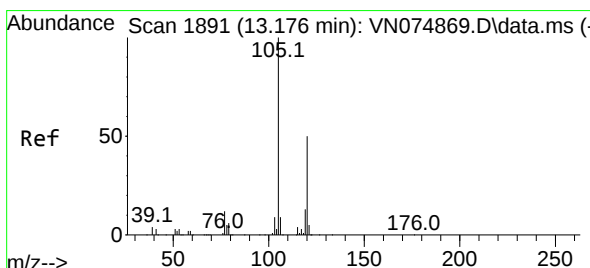
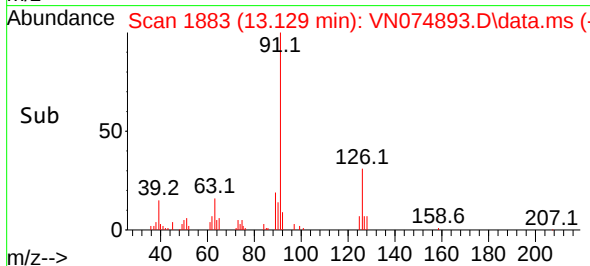
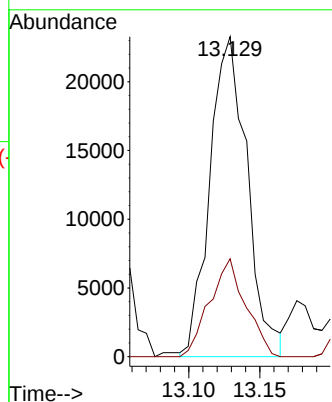
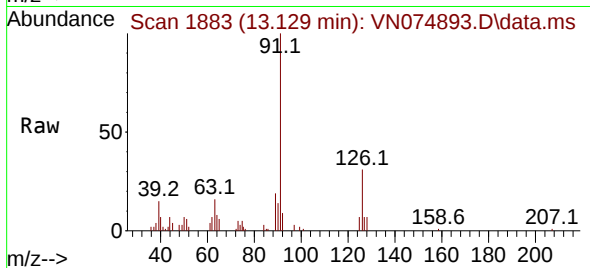
#75
2-Chlorotoluene
Concen: 2.348 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL

Tgt Ion: 91 Resp: 4255
Ion Ratio Lower Upper
91 100
126 29.6 0.0 66.2

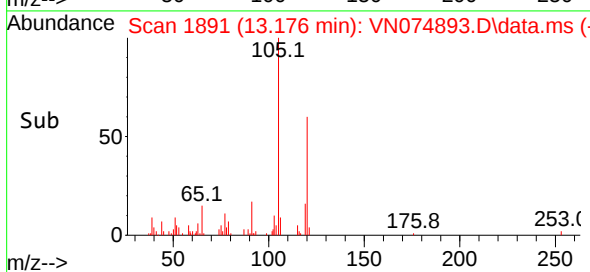
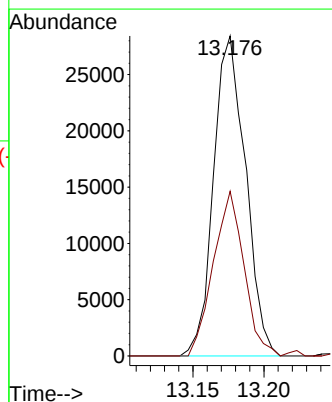
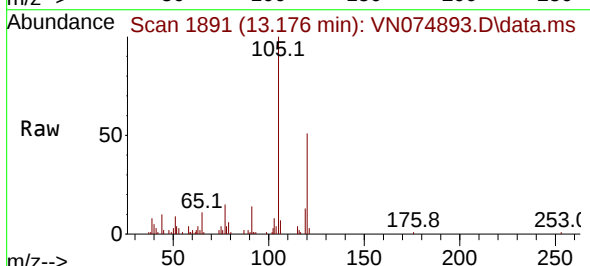
Manual Integrations
APPROVED

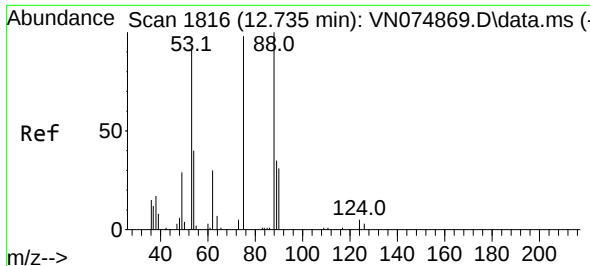
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#76
1,3,5-Trimethylbenzene
Concen: 2.061 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

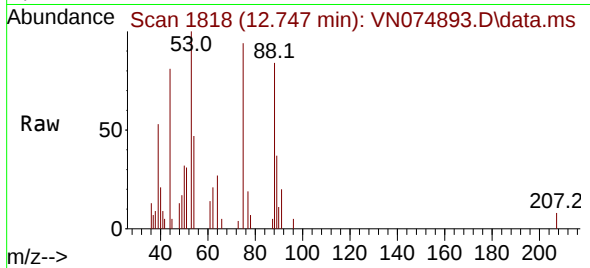
Tgt Ion:105 Resp: 44514
Ion Ratio Lower Upper
105 100
120 49.4 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 1.554 ug/l m
RT: 12.747 min Scan# 1816
Delta R.T. 0.011 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

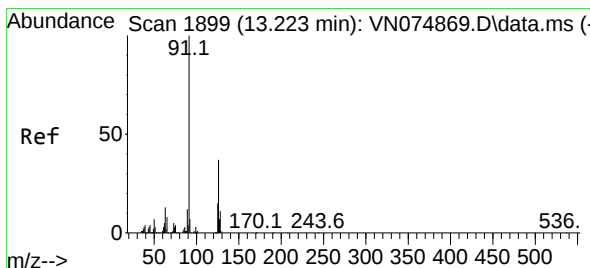
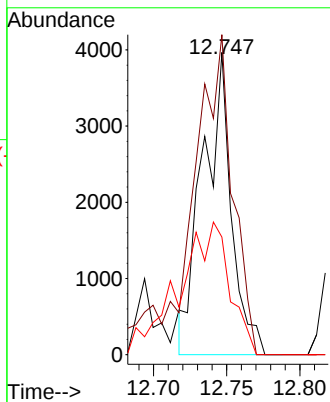
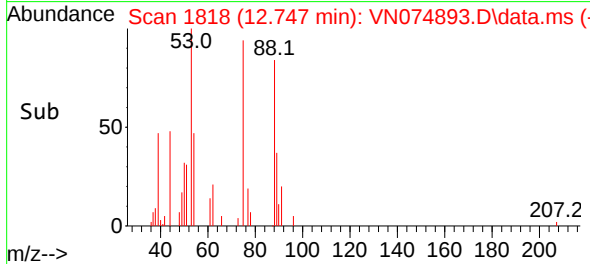
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 75 Resp: 539
Ion Ratio Lower Upper
75 100
53 105.9 43.3 129.9
89 38.9 21.1 63.1

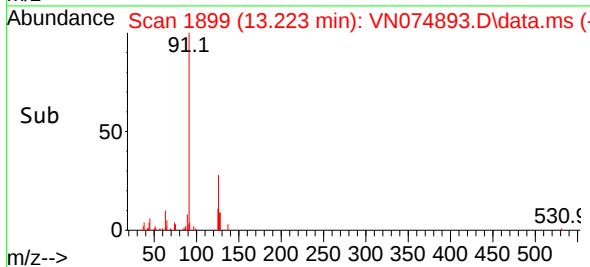
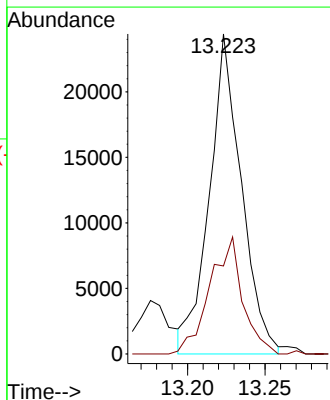
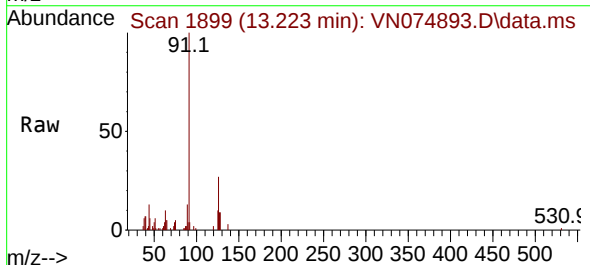
Manual Integrations
APPROVED

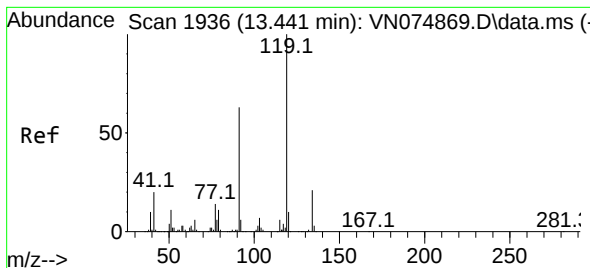
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#78
4-Chlorotoluene
Concen: 2.021 ug/l
RT: 13.223 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

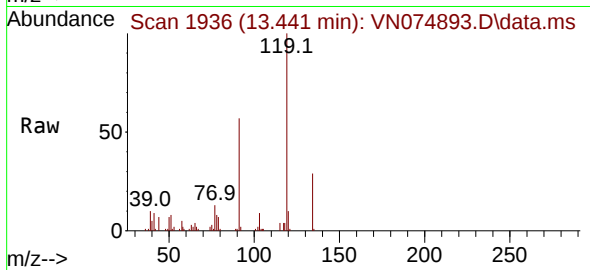
Tgt Ion: 91 Resp: 34962
Ion Ratio Lower Upper
91 100
126 37.7 0.0 67.8





#79
tert-butylbenzene
Concen: 2.207 ug/l
RT: 13.441 min Scan# 1936
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

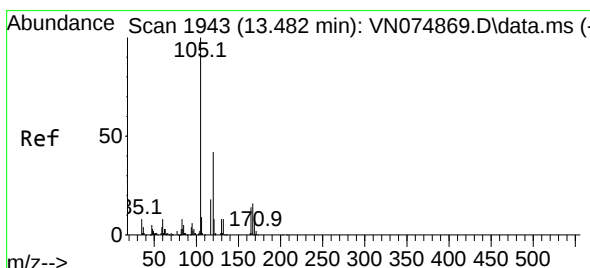
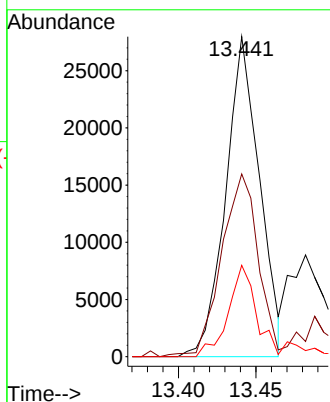
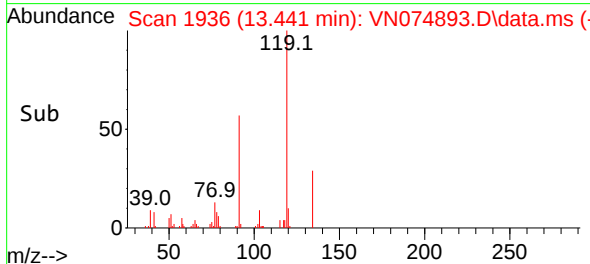
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



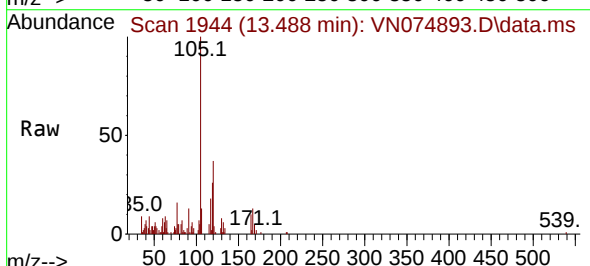
Tgt Ion:119 Resp: 42408
Ion Ratio Lower Upper
119 100
91 61.1 0.0 129.0
134 23.5 0.0 52.2

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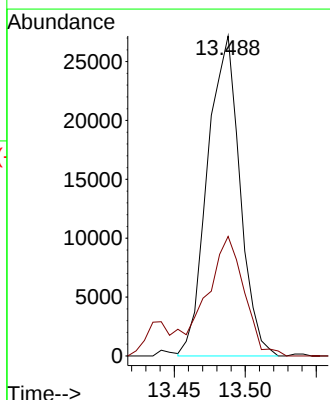
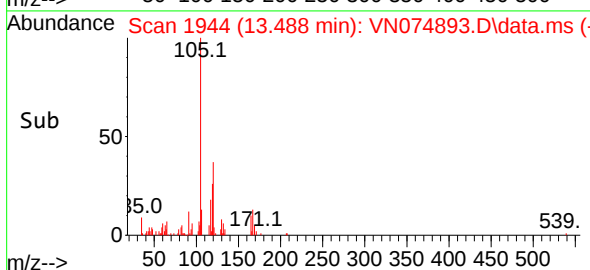
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022

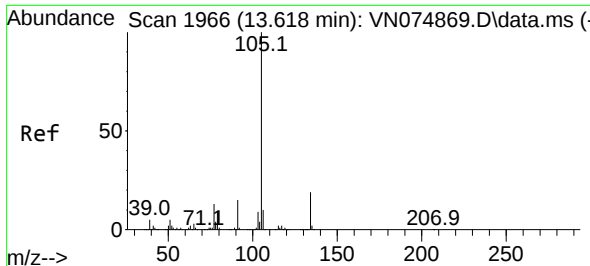


#80
1,2,4-Trimethylbenzene
Concen: 1.980 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26



Tgt Ion:105 Resp: 43029
Ion Ratio Lower Upper
105 100
120 40.7 0.0 93.2





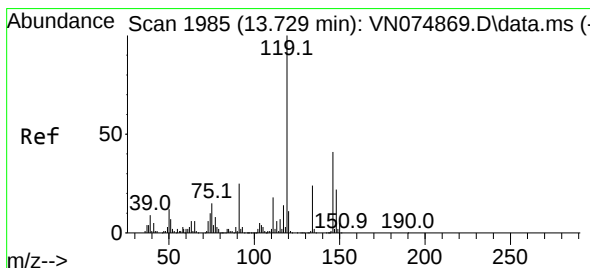
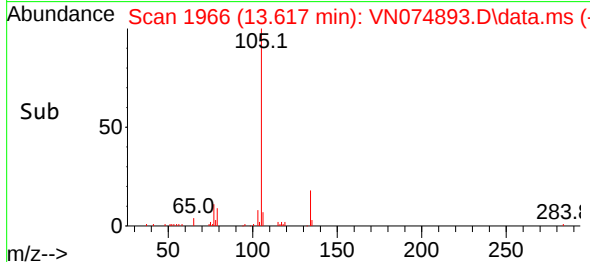
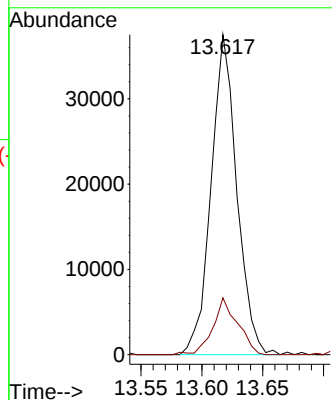
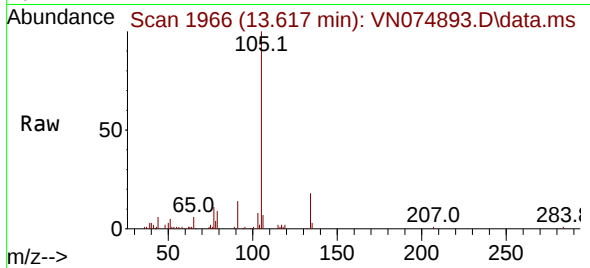
#81
 sec-Butylbenzene
 Concen: 1.999 ug/l
 RT: 13.617 min Scan# 1966
 Delta R.T. -0.000 min
 Lab File: VN074893.D
 Acq: 13 Oct 2022 13:26

Instrument : MSVOA_N
 ClientSampleId : MDL-WATER-03-QT4-2022DL

Tgt Ion:105 Resp: 5518
 Ion Ratio Lower Upper
 105 100
 134 16.8 0.0 38.8

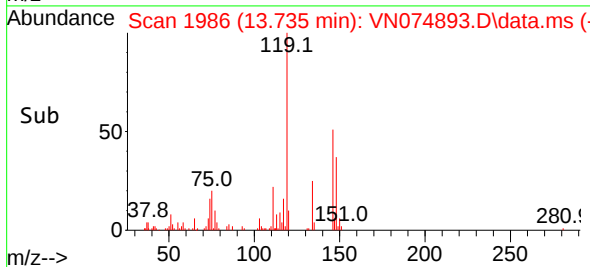
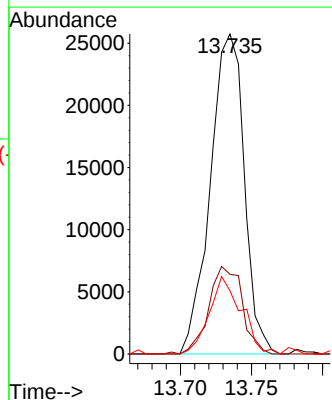
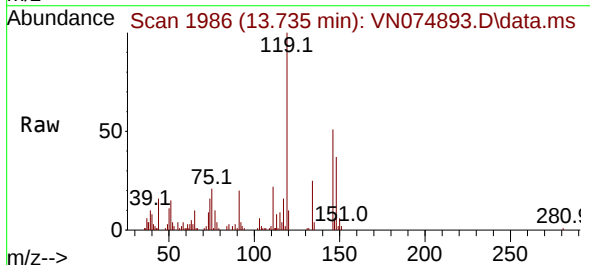
Manual Integrations
 APPROVED

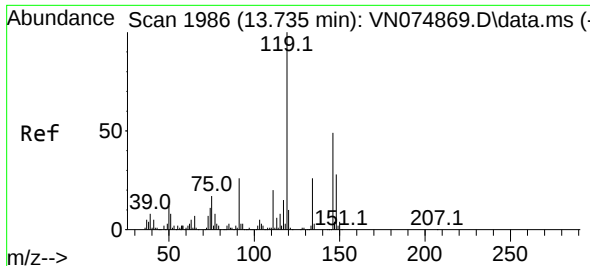
Reviewed By :John Carlone 10/14/2022
 Supervised By :Mahesh Dadoda 10/14/2022



#82
 p-Isopropyltoluene
 Concen: 1.950 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN074893.D
 Acq: 13 Oct 2022 13:26

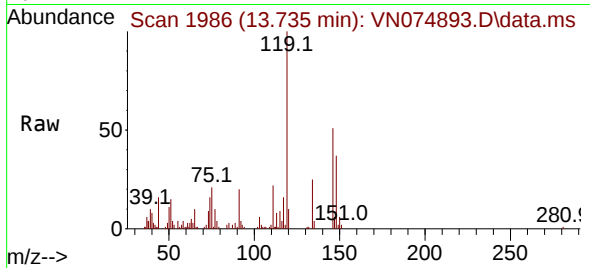
Tgt Ion:119 Resp: 42781
 Ion Ratio Lower Upper
 119 100
 134 26.9 0.0 51.4
 91 22.9 0.0 46.8





#83
1,3-Dichlorobenzene
Concen: 2.018 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

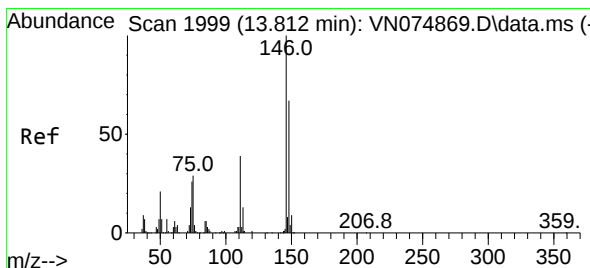
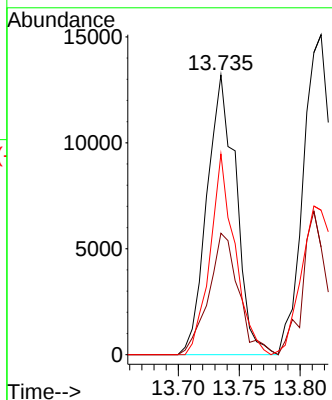
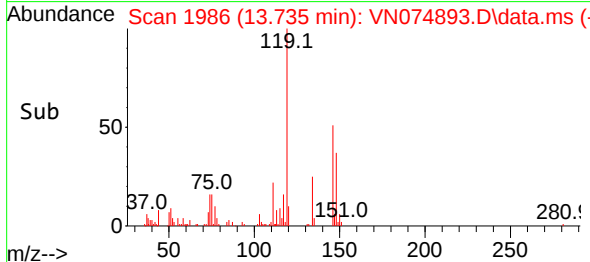
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



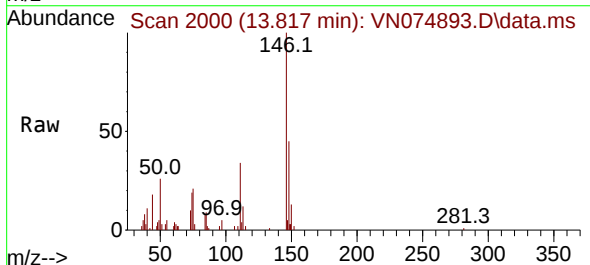
Tgt Ion:146 Resp: 2192
Ion Ratio Lower Upper
146 100
111 42.7 20.5 61.5
148 61.3 31.0 93.0

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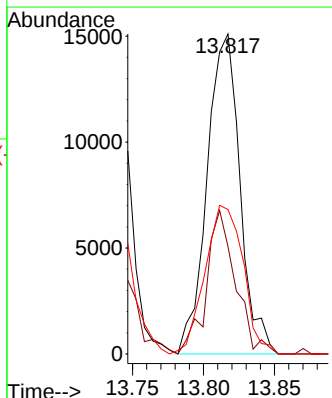
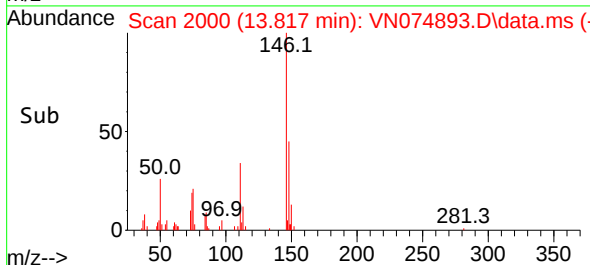
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022

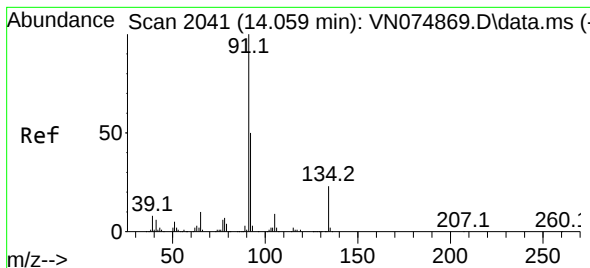


#84
1,4-Dichlorobenzene
Concen: 2.341 ug/l
RT: 13.817 min Scan# 2000
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26



Tgt Ion:146 Resp: 24433
Ion Ratio Lower Upper
146 100
111 33.1 19.1 57.5
148 53.6 31.7 95.1





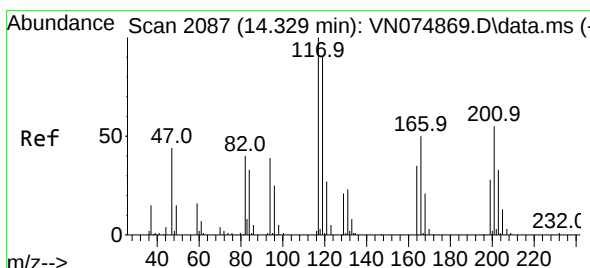
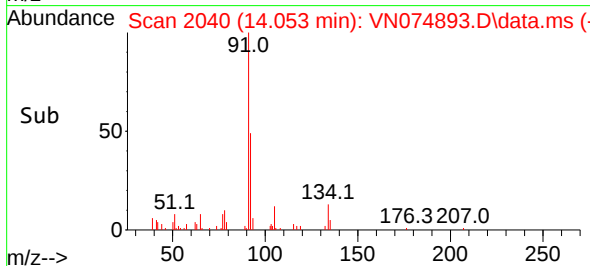
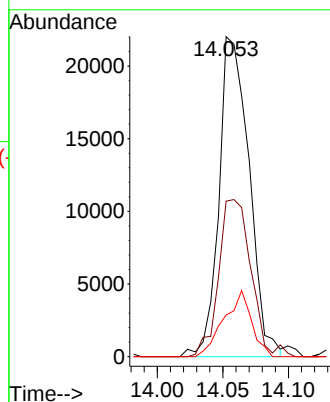
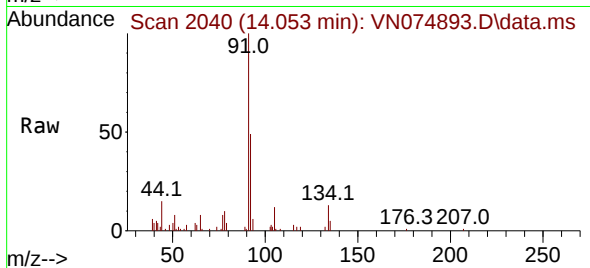
#85
n-Butylbenzene
Concen: 1.817 ug/l
RT: 14.053 min Scan# 2041
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL

Tgt Ion: 91 Resp: 3519
Ion Ratio Lower Upper
91 100
92 51.8 0.0 105.4
134 18.9 0.0 46.4

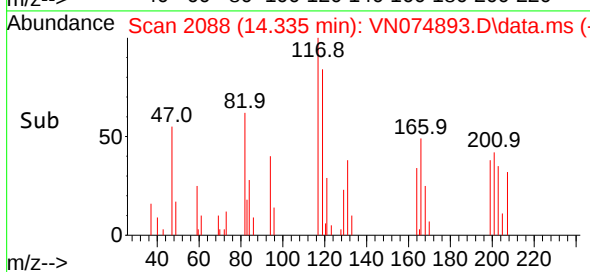
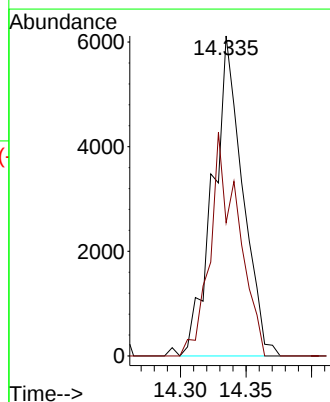
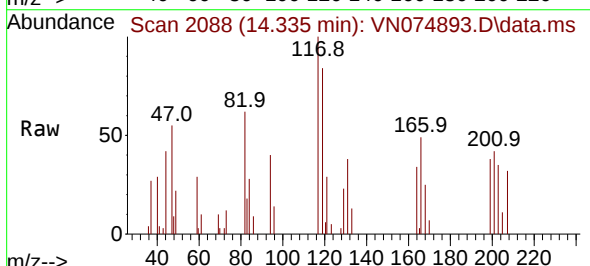
Manual Integrations
APPROVED

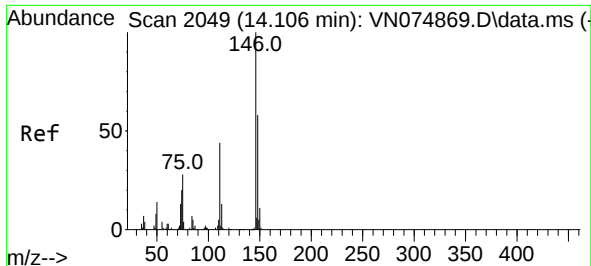
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#86
Hexachloroethane
Concen: 2.240 ug/l
RT: 14.335 min Scan# 2088
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion:117 Resp: 9626
Ion Ratio Lower Upper
117 100
201 66.4 29.4 88.3





#87

1,2-Dichlorobenzene

Concen: 2.220 ug/l

RT: 14.111 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN074893.D

Acq: 13 Oct 2022 13:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL

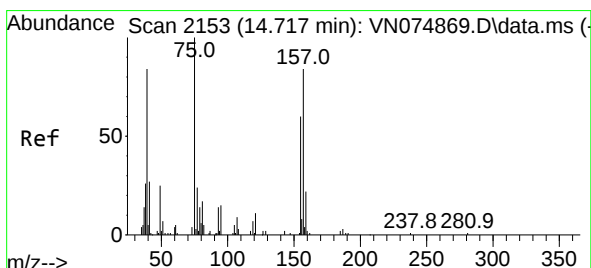
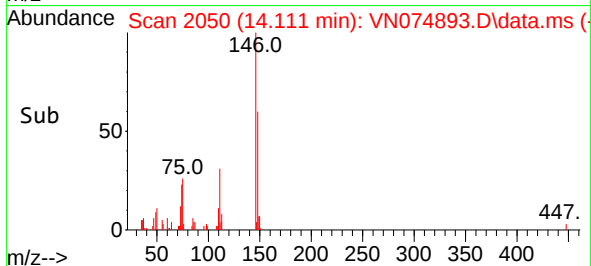
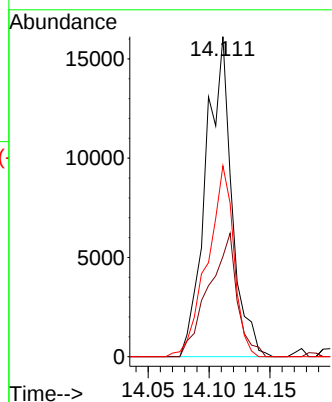
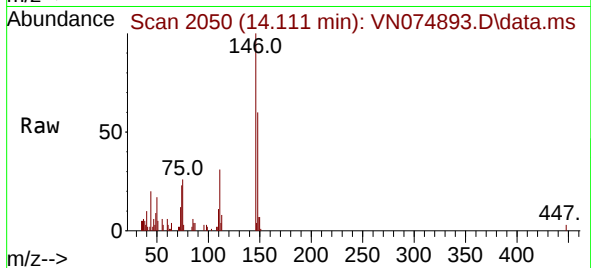
Tgt Ion:	146	Resp:	23954
Ion Ratio	Lower	Upper	
146	100		
111	42.3	21.4	64.2
148	60.5	30.6	92.0

Manual Integrations

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Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#88

1,2-Dibromo-3-Chloropropane

Concen: 2.009 ug/l m

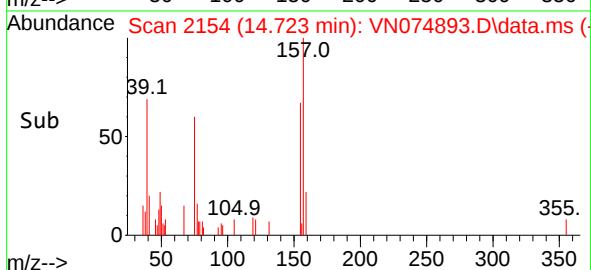
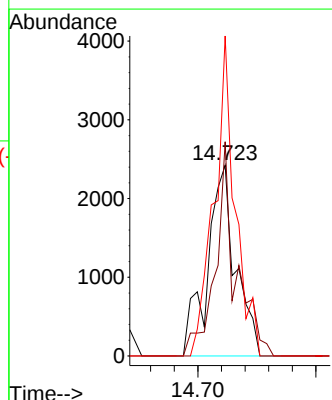
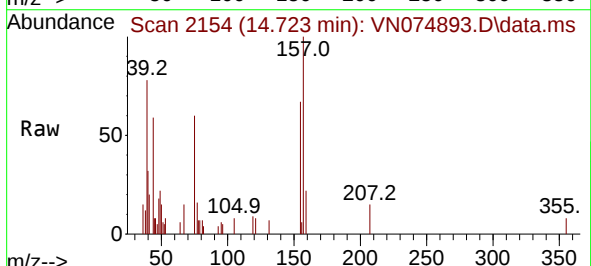
RT: 14.723 min Scan# 2154

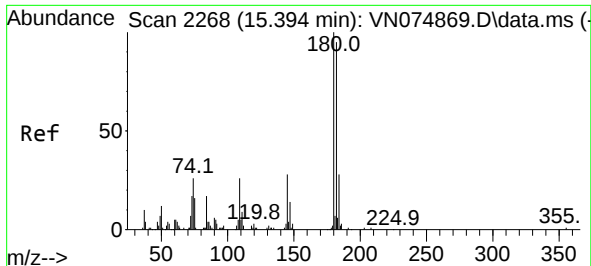
Delta R.T. 0.006 min

Lab File: VN074893.D

Acq: 13 Oct 2022 13:26

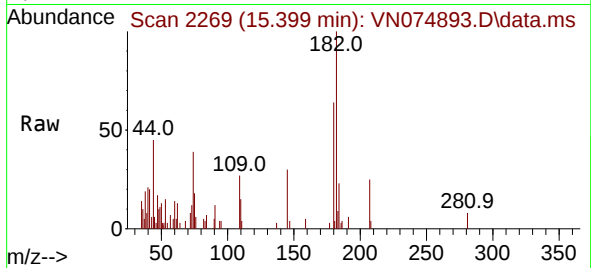
Tgt Ion:	75	Resp:	4032
Ion Ratio	Lower	Upper	
75	100		
155	50.5	66.3	99.5
157	124.5	84.3	126.5





#89
1,2,4-Trichlorobenzene
Concen: 1.697 ug/l
RT: 15.399 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

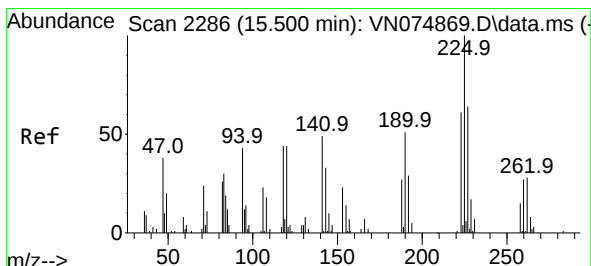
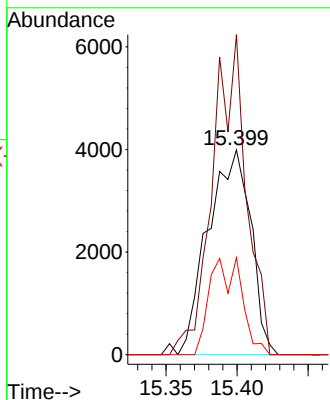
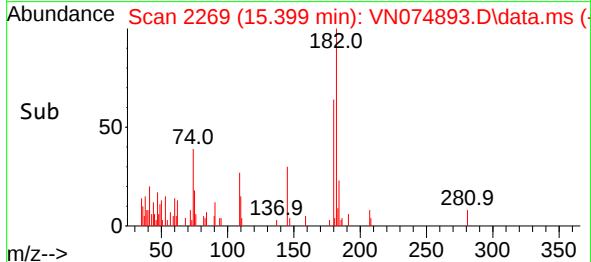
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



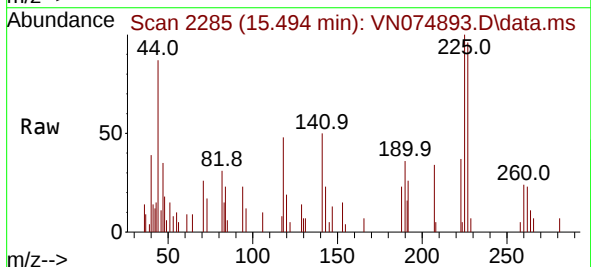
Tgt Ion:180 Resp: 836
Ion Ratio Lower Upper
180 100
182 120.2 74.9 112.3
145 21.7 26.3 39.5

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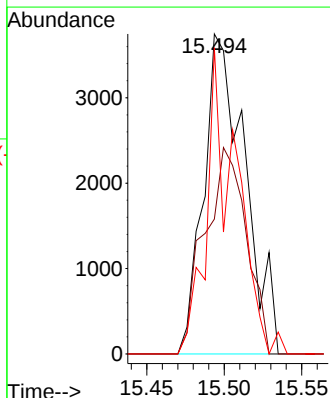
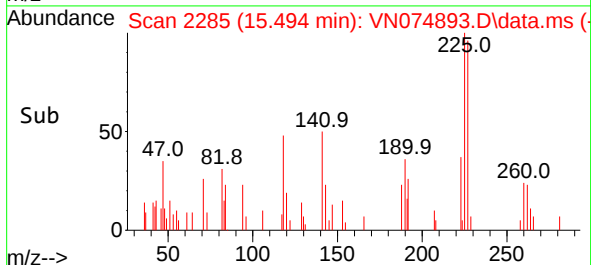
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022

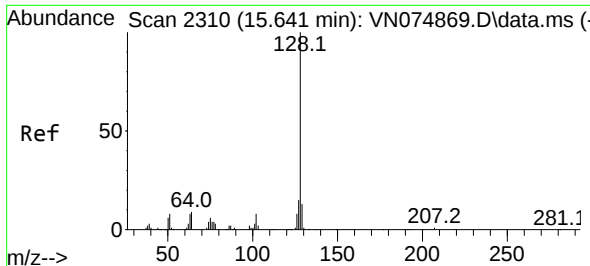


#90
Hexachlorobutadiene
Concen: 2.884 ug/l
RT: 15.494 min Scan# 2285
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26



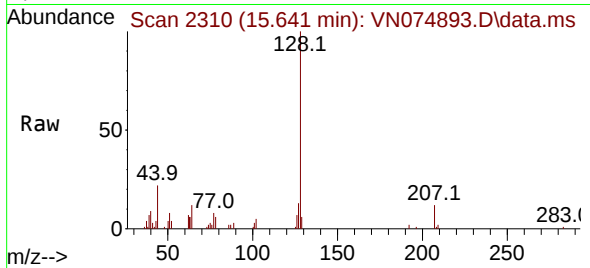
Tgt Ion:225 Resp: 6929
Ion Ratio Lower Upper
225 100
223 0.0 0.0 125.0
227 36.4 0.0 123.0





#91
Naphthalene
Concen: 1.750 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

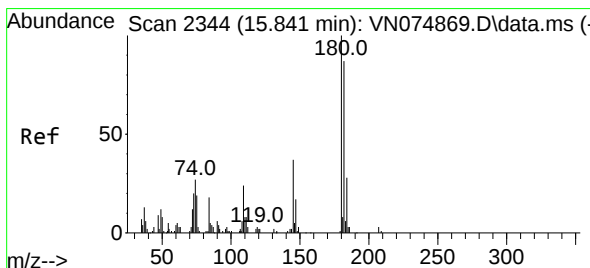
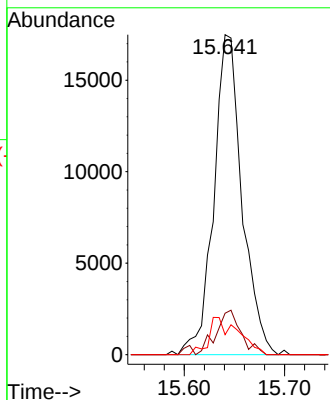
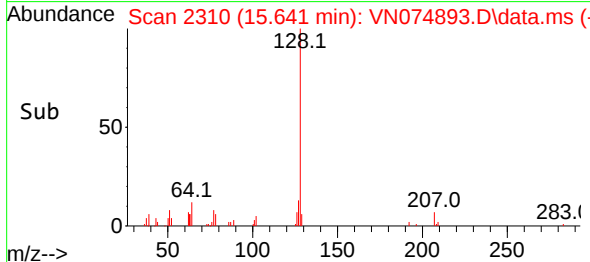
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



Tgt Ion:128 Resp: 3421
Ion Ratio Lower Upper
128 100
127 11.4 10.7 16.1
129 5.7 8.9 13.3

Manual Integrations
APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 1.733 ug/l
RT: 15.835 min Scan# 2343
Delta R.T. -0.006 min
Lab File: VN074893.D
Acq: 13 Oct 2022 13:26

Tgt Ion:180 Resp: 8932
Ion Ratio Lower Upper
180 100
182 117.5 0.0 185.4
145 38.1 0.0 68.6

