

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101524\
 Data File : VN084416.D
 Acq On : 15 Oct 2024 15:27
 Operator : JC\MD
 Sample : P4368-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2024

Quant Time: Oct 16 01:25:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100824W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Oct 09 02:22:28 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/16/2024
 Supervised By : Mahesh Dadoda 10/16/2024

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

Internal Standards						
1) Bromochloromethane	7.818	128	31338	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	154647	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	145162	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	73379	29.084	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	96.933%		
60) 4-Bromofluorobenzene	12.847	95	65188	27.210	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	90.700%		
63) Toluene-d8	10.565	98	204288	30.378	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	101.267%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.124	85	4232	2.212	ug/l	91
3) Chloromethane	2.359	50	5716	2.625	ug/l	99
4) Vinyl Chloride	2.512	62	4897	2.293	ug/l	92
5) Bromomethane	2.959	94	3603	2.547	ug/l	83
6) Chloroethane	3.118	64	4666	3.333	ug/l	97
7) Trichlorofluoromethane	3.495	101	8596	2.472	ug/l	97
8) Diethyl Ether	3.965	74	2584	2.021	ug/l	47
9) 1,1,2-Trichlorotrifluo...	4.371	101	4787	2.448	ug/l	73
10) 1,1-Dichloroethene	4.336	96	4424	2.267	ug/l #	70
11) Methyl Iodide	4.589	142	5527	2.155	ug/l	87
12) Methyl Acetate	5.036	43	5604	2.294	ug/l	98
13) Acrolein	4.183	56	4117	9.073	ug/l	85
14) Acrylonitrile	5.730	53	12334	11.239	ug/l	76
15) Acetone	4.436	58	4672	14.902	ug/l	73
16) Carbon Disulfide	4.706	76	14102	2.427	ug/l	98
17) Allyl chloride	5.018	41	6903m	2.182	ug/l	
18) Methylene Chloride	5.265	84	5365m	2.441	ug/l	
19) trans-1,2-Dichloroethene	5.777	96	4966	2.405	ug/l	87
20) Diisopropyl ether	6.677	45	13712	2.016	ug/l	97
21) 1,1-Dichloroethane	6.571	63	9905	2.538	ug/l #	91
22) cis-1,2-Dichloroethene	7.477	96	5681m	2.364	ug/l	
23) tert-Butyl Alcohol	5.536	59	5081m	12.070	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	13944	2.138	ug/l #	86
25) Chloroform	7.965	83	10198	2.580	ug/l	95
26) Cyclohexane	8.253	56	6295	1.929	ug/l #	75
29) 1,1-Dichloropropene	8.371	75	6013	2.369	ug/l	81
30) 2-Butanone	7.483	43	18032	13.341	ug/l #	98
31) 2,2-Dichloropropane	7.489	77	7681	2.575	ug/l #	72
32) 1,1,1-Trichloroethane	8.171	97	8820	2.718	ug/l	98
33) Carbon Tetrachloride	8.359	117	7126m	2.535	ug/l	
34) Benzene	8.600	78	19672	2.475	ug/l #	67
35) Methacrylonitrile	7.783	41	3910	2.712	ug/l	89
36) 1,2-Dichloroethane	8.671	62	6879	2.597	ug/l #	84
37) Trichloroethene	9.347	130	5314	2.904	ug/l	97
38) Methylcyclohexane	9.594	83	6155	2.207	ug/l #	33
39) 1,2-Dichloropropane	9.618	63	5234	2.701	ug/l	95
40) Dibromomethane	9.712	93	3282	2.423	ug/l	92
41) Bromodichloromethane	9.888	83	7691	2.675	ug/l #	92
42) Vinyl Acetate	6.600	43	49703	10.573	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	6824	2.560	ug/l #	78
44) Isopropyl Acetate	8.688	43	10393	2.382	ug/l	98
45) 1,4-Dioxane	9.688	88	1857	47.214	ug/l #	95
46) Methyl methacrylate	9.688	41	4420m	2.097	ug/l	
47) n-amyl Acetate	12.488	43	7207	1.857	ug/l	99
48) t-1,3-Dichloropropene	10.841	75	6868	2.312	ug/l	98
49) cis-1,3-Dichloropropene	10.312	75	7220	2.319	ug/l	97
50) 1,1,2-Trichloroethane	11.018	97	4816	2.646	ug/l #	88
51) Ethyl methacrylate	10.871	69	5769	1.919	ug/l	93
52) 1,3-Dichloropropane	11.165	76	8047	2.528	ug/l	99
53) Dibromochloromethane	11.359	129	5252	2.442	ug/l	96
54) 1,2-Dibromoethane	11.476	107	4534	2.420	ug/l	98
55) 2-Chloroethyl vinyl ether	10.159	63	14293	10.480	ug/l	98
56) Bromoform	12.576	173	3554	2.492	ug/l	99
58) 4-Methyl-2-Pentanone	10.441	43	29210	10.802	ug/l	99
59) 2-Hexanone	11.194	43	22419	11.157	ug/l	92
61) Tetrachloroethene	11.100	164	4296	2.616	ug/l	83
62) Toluene	10.629	91	21098	2.483	ug/l	97
64) Chlorobenzene	11.888	112	13476	2.548	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.959	131	4791	2.608	ug/l	97
66) Ethyl Benzene	11.965	91	19958	2.162	ug/l	99
67) m/p-Xylenes	12.076	106	14178	4.048	ug/l	100
68) o-Xylene	12.394	106	6568	1.945	ug/l	98
69) Styrene	12.412	104	10427	1.799	ug/l	97
70) Isopropylbenzene	12.694	105	16540	1.919	ug/l	96
71) 1,1,2,2-Tetrachloroethane	12.941	83	7204	2.702	ug/l	100
72) 1,2,3-Trichloropropane	12.994	75	5134m	2.248	ug/l	
73) Bromobenzene	12.982	156	5026	2.408	ug/l	95
74) n-propylbenzene	13.035	91	20360	1.982	ug/l	99
75) 2-Chlorotoluene	13.123	91	13836	2.168	ug/l	99
76) 1,3,5-Trimethylbenzene	13.170	105	13739	1.893	ug/l	99
77) t-1,4-Dichloro-2-butene	12.735	75	2080	2.132	ug/l	89
78) 4-Chlorotoluene	13.218	91	13443	2.072	ug/l	98
79) tert-butylbenzene	13.441	119	11856	1.915	ug/l	99
80) 1,2,4-Trimethylbenzene	13.482	105	13454	1.827	ug/l	100
81) sec-Butylbenzene	13.618	105	15912	1.867	ug/l	95
82) p-Isopropyltoluene	13.729	119	12181	1.698	ug/l	96
83) 1,3-Dichlorobenzene	13.735	146	8510	2.193	ug/l	95
84) 1,4-Dichlorobenzene	13.812	146	8081	2.097	ug/l	95
85) n-Butylbenzene	14.053	91	10146	1.633	ug/l	97
86) Hexachloroethane	14.335	117	3260	2.359	ug/l	99
87) 1,2-Dichlorobenzene	14.100	146	7832	2.087	ug/l	90
88) 1,2-Dibromo-3-Chloropr...	14.723	75	1285	2.357	ug/l	95
89) 1,2,4-Trichlorobenzene	15.847	180	3633	1.862	ug/l #	91
90) Hexachlorobutadiene	15.506	225	2253m	2.496	ug/l	
91) Naphthalene	15.641	128	9622	1.455	ug/l #	95
92) 1,2,3-Trichlorobenzene	15.847	180	3633	1.862	ug/l	91

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

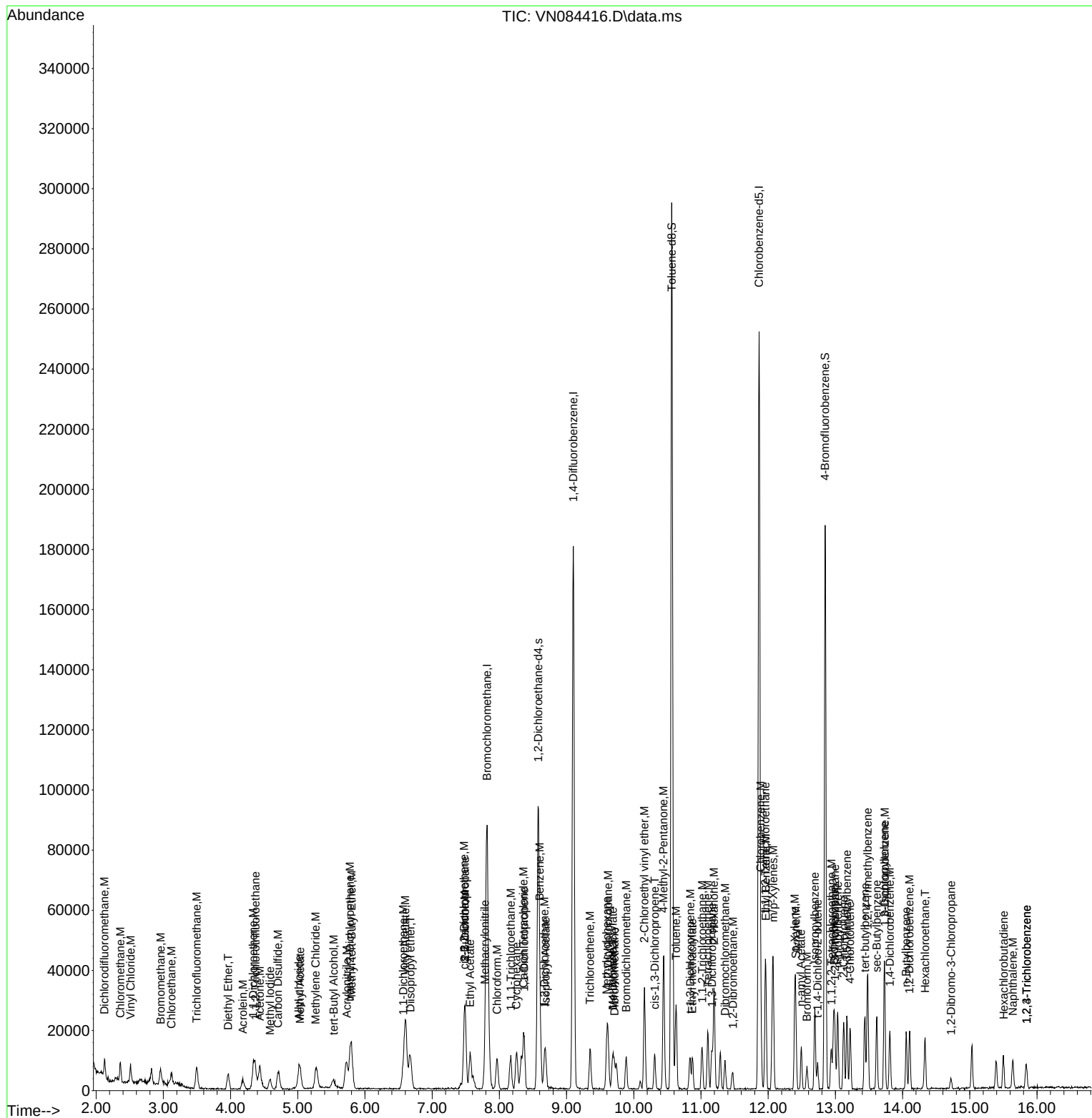
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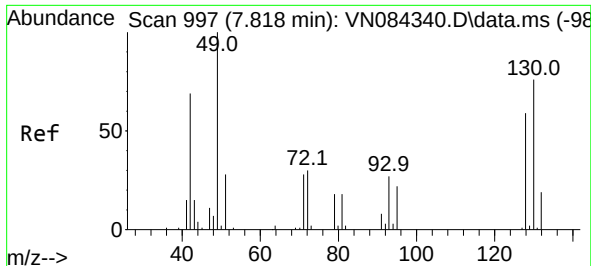
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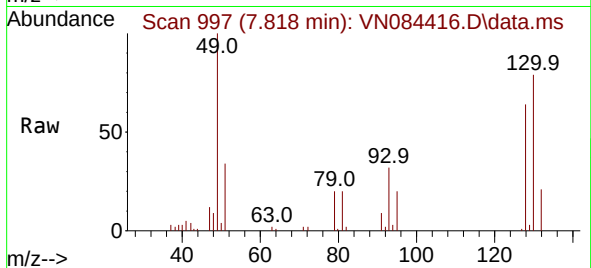
Reviewed By : John Carlone 10/16/2024
 Supervised By : Mahesh Dadoda 10/16/2024





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 997
Delta R.T. -0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

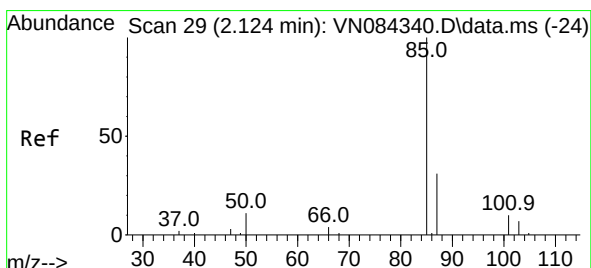
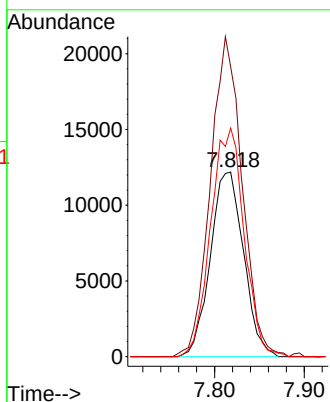
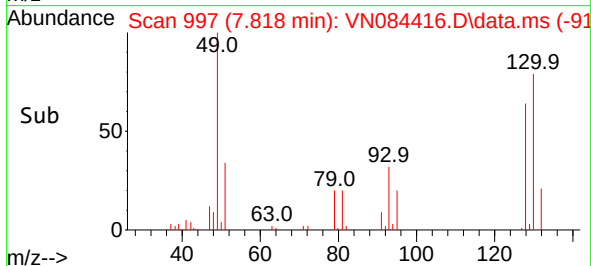
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024



Tgt Ion:128 Resp: 31338
Ion Ratio Lower Upper
128 100
49 165.6 0.0 430.0
130 124.7 0.0 329.8

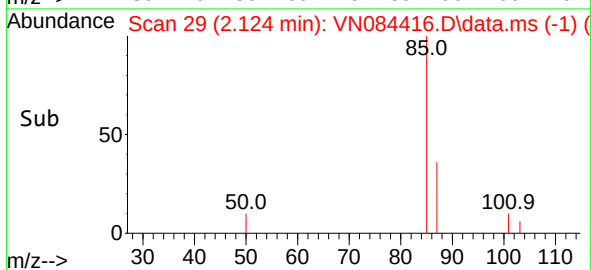
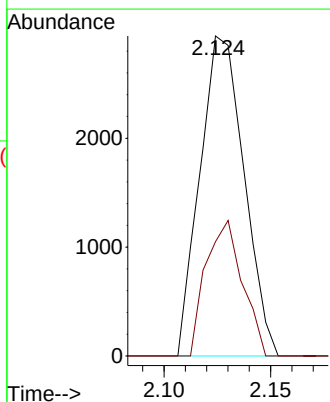
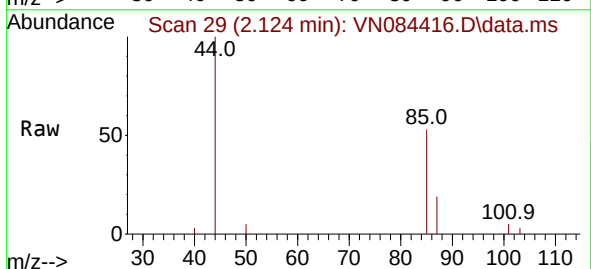
Manual Integrations
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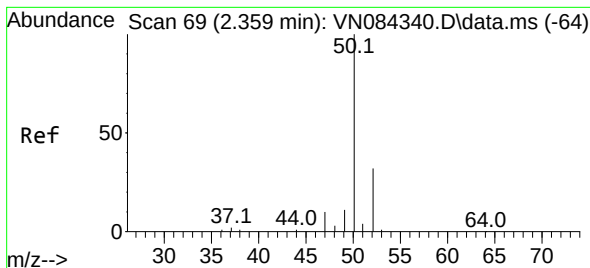
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Supervised By :Mahesh Dadoda 10/16/2024



#2
Dichlorodifluoromethane
Concen: 2.212 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Tgt Ion: 85 Resp: 4232
Ion Ratio Lower Upper
85 100
87 35.7 15.4 46.4





#3

Chloromethane

Concen: 2.625 ug/l

RT: 2.359 min Scan# 69

Delta R.T. 0.000 min

Lab File: VN084416.D

Acq: 15 Oct 2024 15:27

Instrument :

MSVOA_N

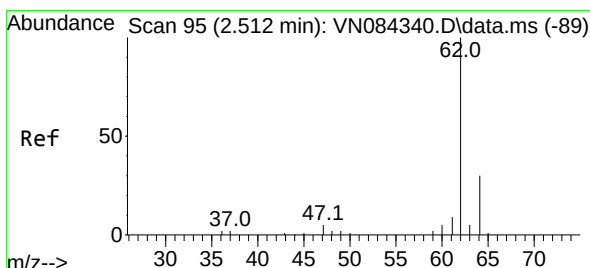
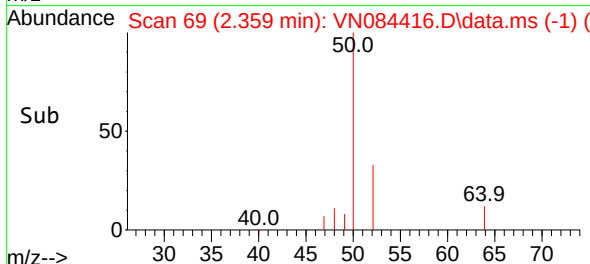
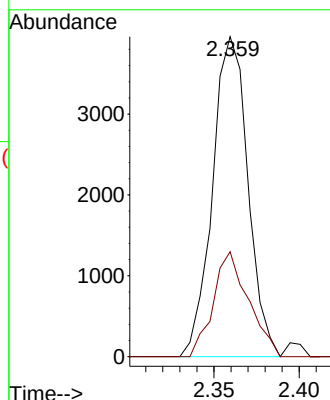
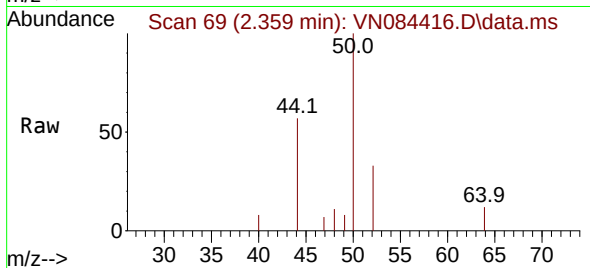
ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 50 Resp: 5710
 Ion Ratio Lower Upper
 50 100
 52 32.8 25.8 38.6

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#4

Vinyl Chloride

Concen: 2.293 ug/l

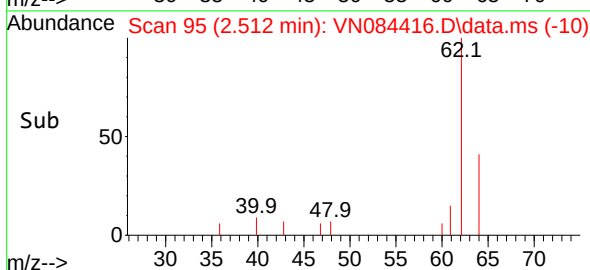
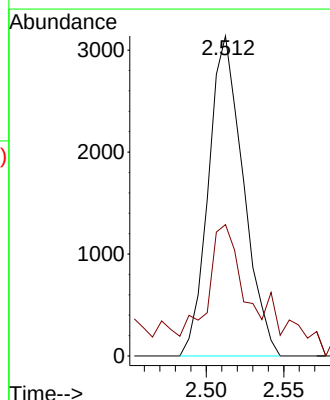
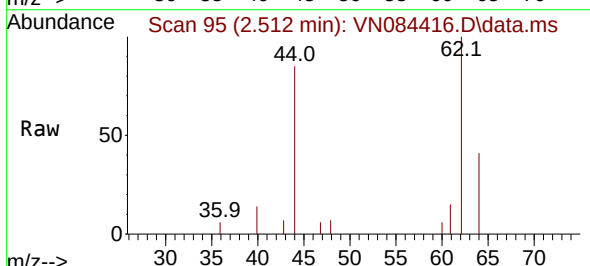
RT: 2.512 min Scan# 95

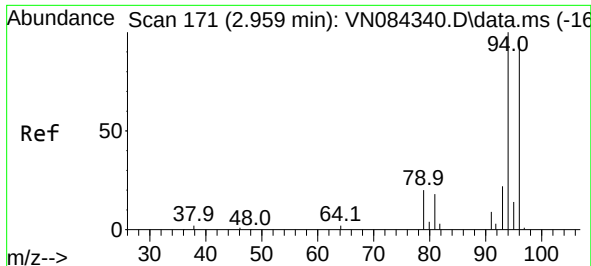
Delta R.T. 0.000 min

Lab File: VN084416.D

Acq: 15 Oct 2024 15:27

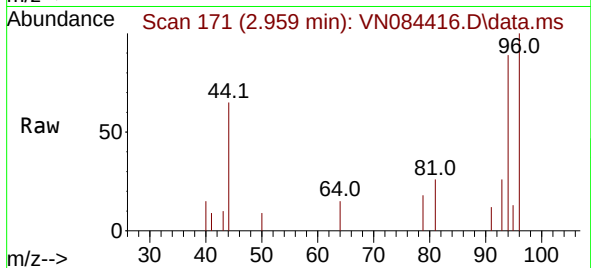
Tgt Ion: 62 Resp: 4897
 Ion Ratio Lower Upper
 62 100
 64 34.9 24.3 36.5





#5
Bromomethane
Concen: 2.547 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

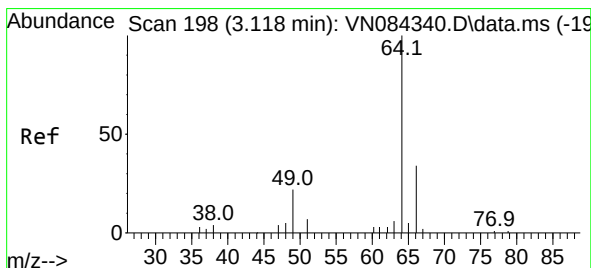
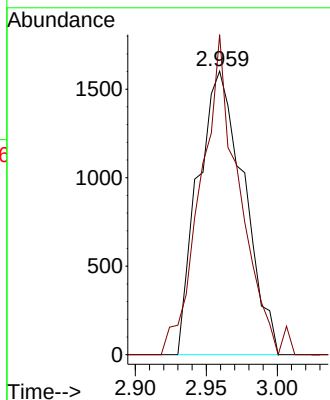
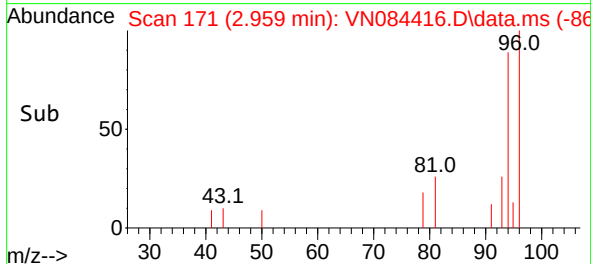
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 94 Resp: 360
Ion Ratio Lower Upper
94 100
96 112.9 76.7 115.1

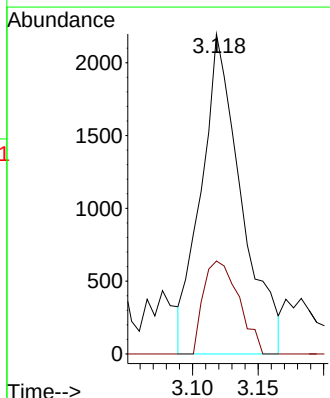
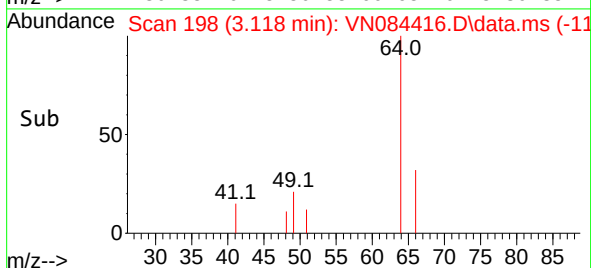
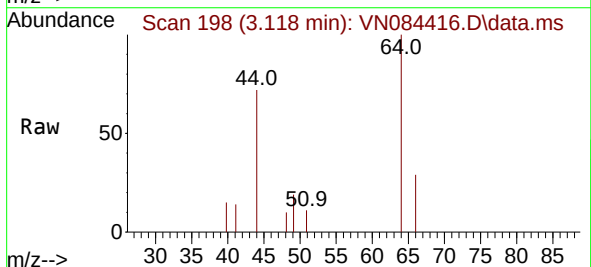
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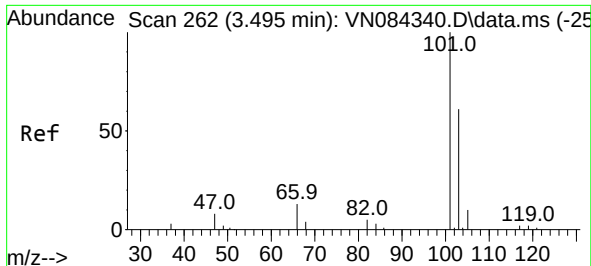
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#6
Chloroethane
Concen: 3.333 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

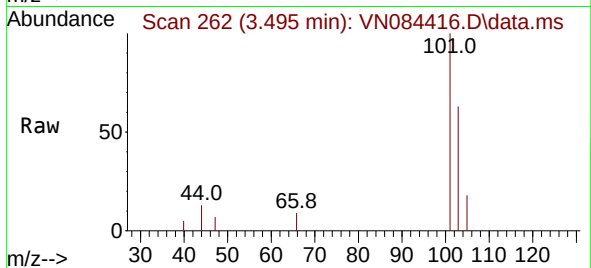
Tgt Ion: 64 Resp: 4666
Ion Ratio Lower Upper
64 100
66 32.9 27.7 41.5





#7
 Trichlorofluoromethane
 Concen: 2.472 ug/l
 RT: 3.495 min Scan# 262
 Delta R.T. 0.000 min
 Lab File: VN084416.D
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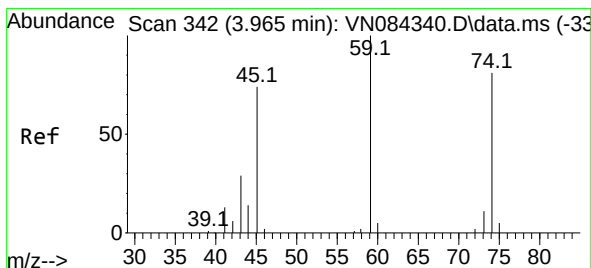
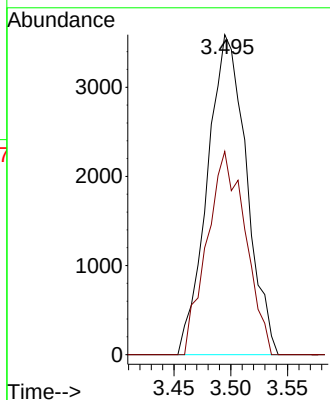
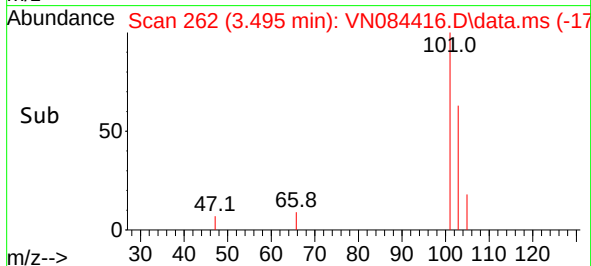
Instrument : MSVOA_N
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Tgt Ion:101 Resp: 8590
 Ion Ratio Lower Upper
 101 100
 103 63.5 49.0 73.6

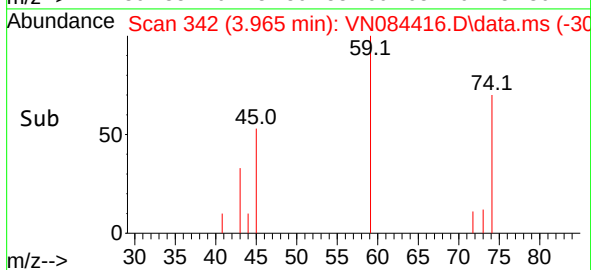
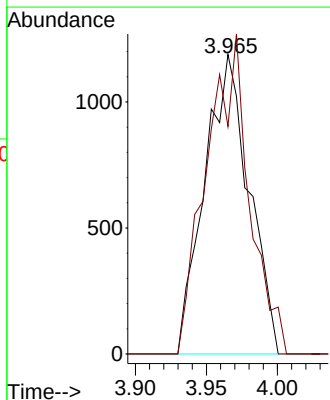
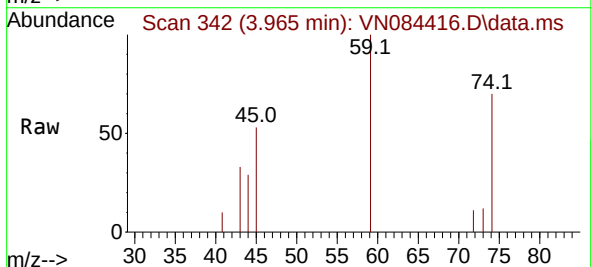
Manual Integrations
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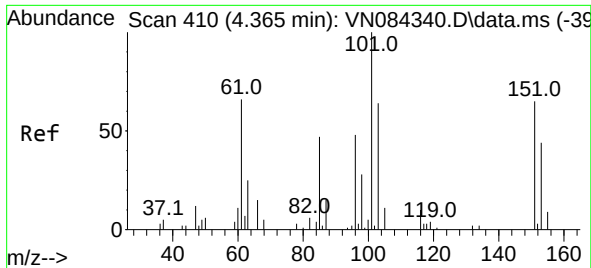
Reviewed By :John Carlone 10/16/2024
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#8
 Diethyl Ether
 Concen: 2.021 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN084416.D
 Acq: 15 Oct 2024 15:27

Tgt Ion: 74 Resp: 2584
 Ion Ratio Lower Upper
 74 100
 45 44.0 19.2 173.2





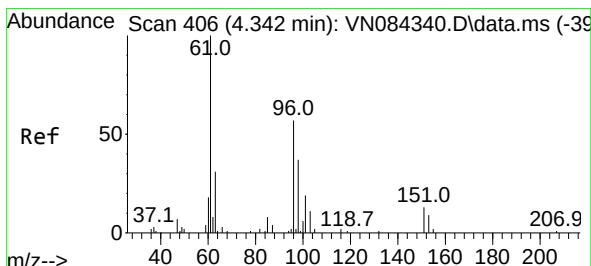
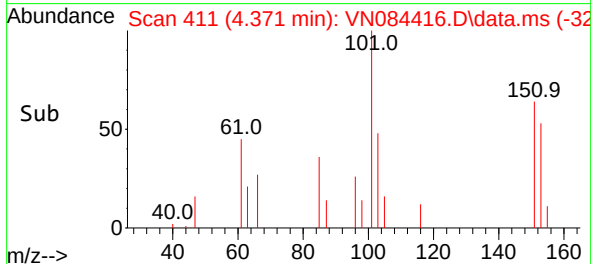
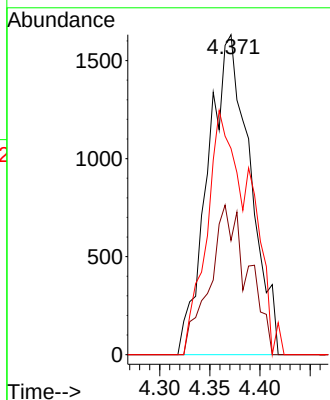
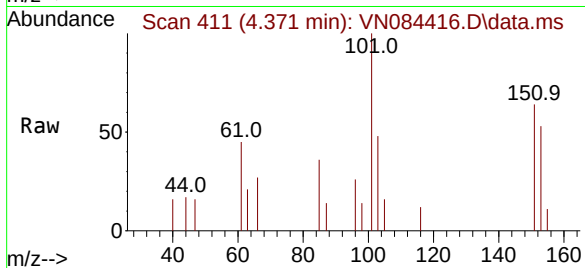
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.448 ug/l
RT: 4.371 min Scan# 410
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion:101 Resp: 478
Ion Ratio Lower Upper
101 100
85 24.6 0.0 93.6
151 56.4 0.0 151.8

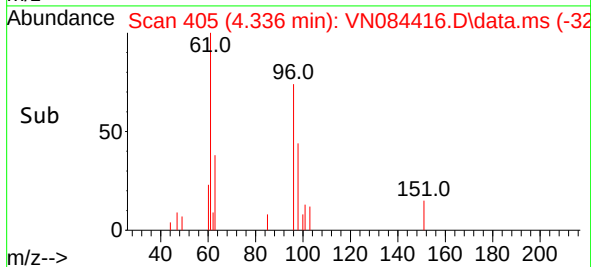
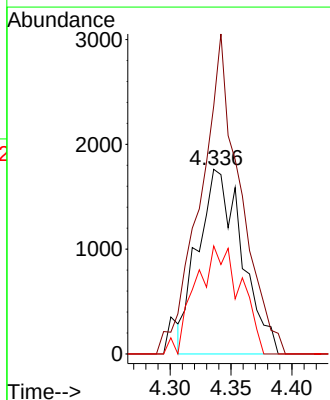
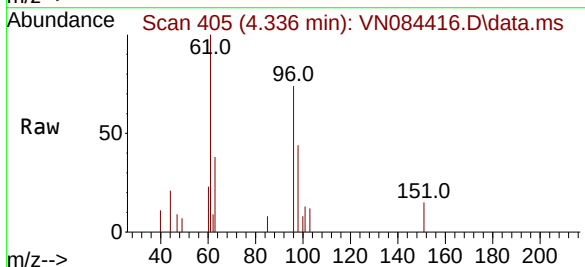
Manual Integrations
APPROVED

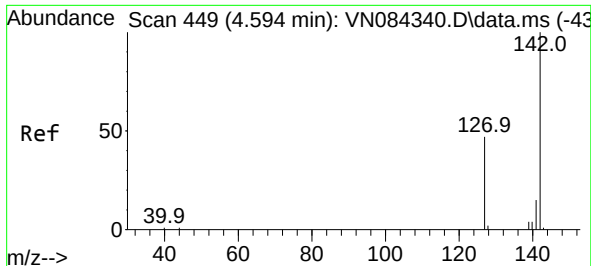
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#10
1,1-Dichloroethene
Concen: 2.267 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

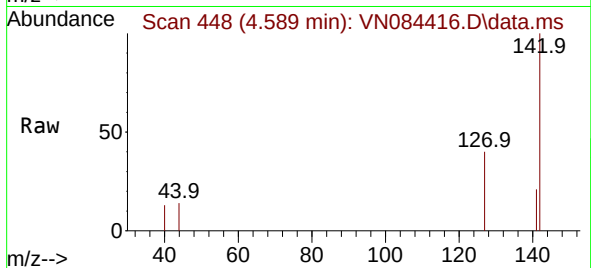
Tgt Ion: 96 Resp: 4424
Ion Ratio Lower Upper
96 100
61 123.2 140.8 211.2#
98 58.5 52.2 78.2





#11
Methyl Iodide
Concen: 2.155 ug/l
RT: 4.589 min Scan# 449
Delta R.T. -0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

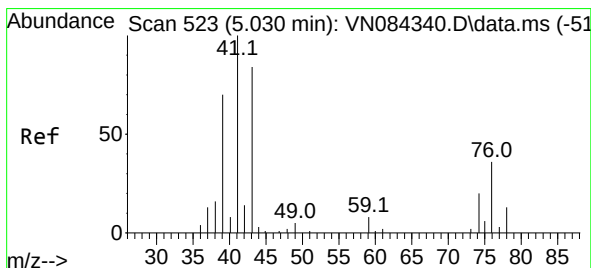
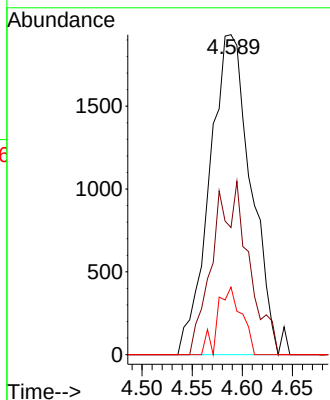
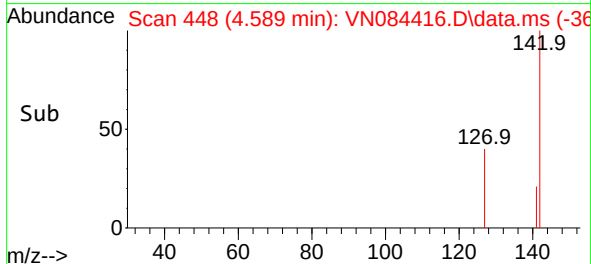
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion:142 Resp: 552
Ion Ratio Lower Upper
142 100
127 39.8 23.8 71.4
141 21.1 7.4 22.2

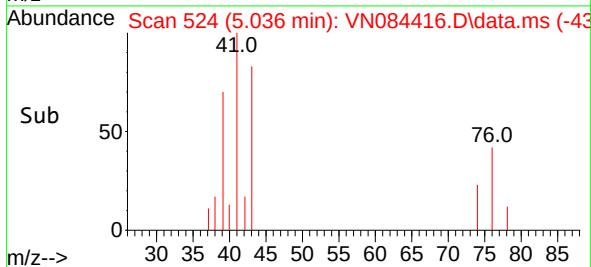
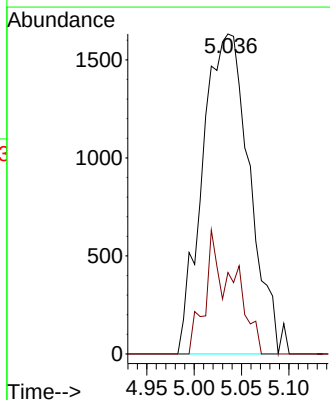
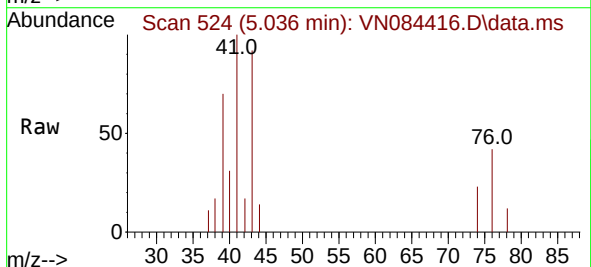
Manual Integrations
APPROVED

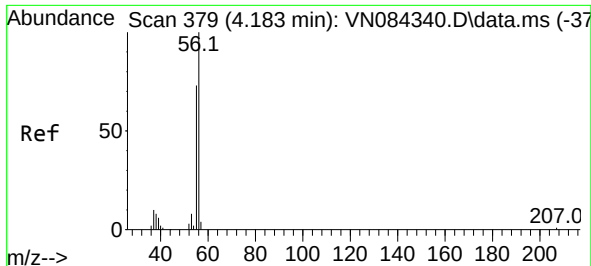
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#12
Methyl Acetate
Concen: 2.294 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Tgt Ion: 43 Resp: 5604
Ion Ratio Lower Upper
43 100
74 25.4 19.4 29.2





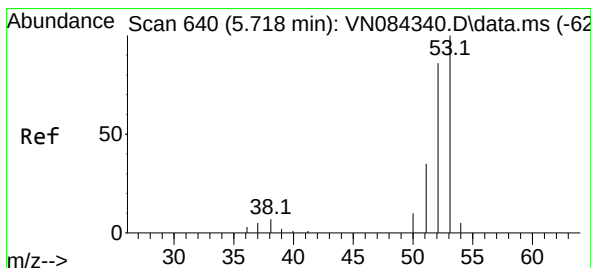
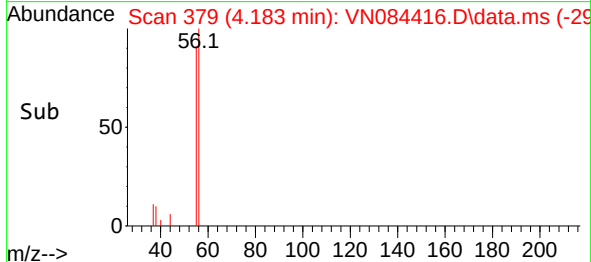
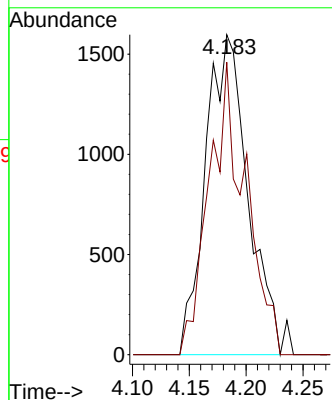
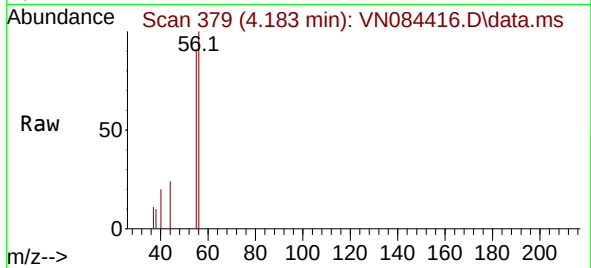
#13
Acrolein
Concen: 9.073 ug/l
RT: 4.183 min Scan# 311
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 56 Resp: 411
Ion Ratio Lower Upper
56 100
55 58.1 56.4 84.6

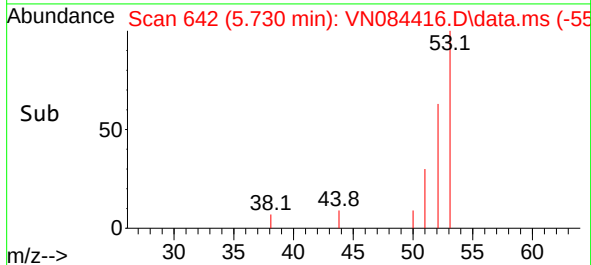
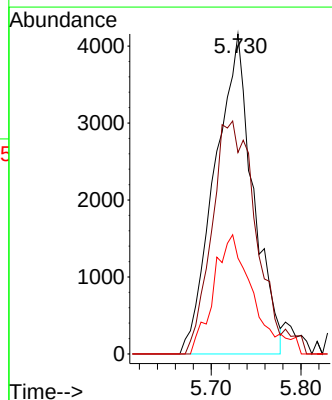
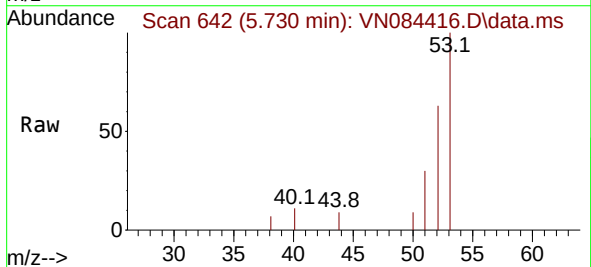
Manual Integrations
APPROVED

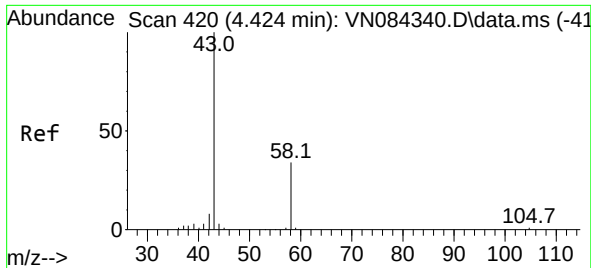
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#14
Acrylonitrile
Concen: 11.239 ug/l
RT: 5.730 min Scan# 642
Delta R.T. 0.012 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Tgt Ion: 53 Resp: 12334
Ion Ratio Lower Upper
53 100
52 50.6 40.4 121.2
51 36.0 17.8 53.4





#15

Acetone

Concen: 14.902 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN084416.D

Acq: 15 Oct 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

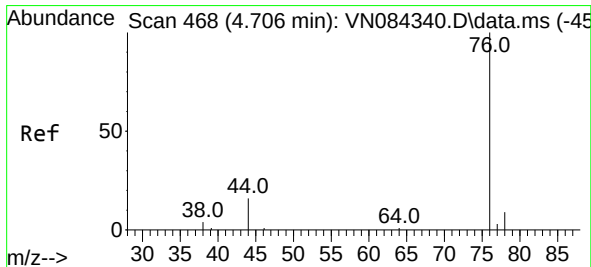
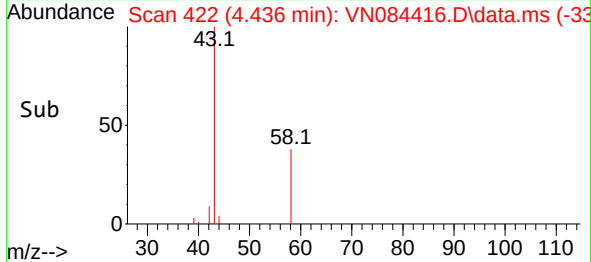
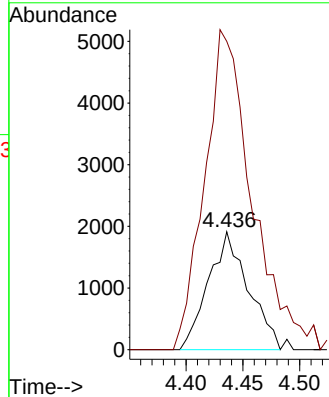
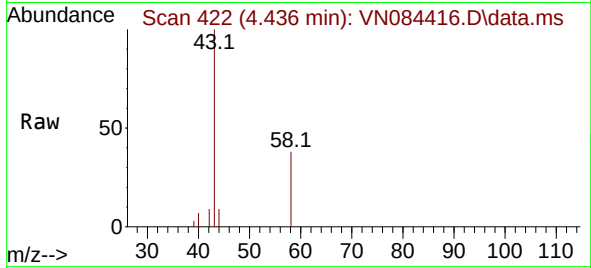
Tgt Ion: 58 Resp: 4672
 Ion Ratio Lower Upper
 58 100
 43 244.2 237.5 356.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/16/2024

Supervised By :Mahesh Dadoda 10/16/2024



#16

Carbon Disulfide

Concen: 2.427 ug/l

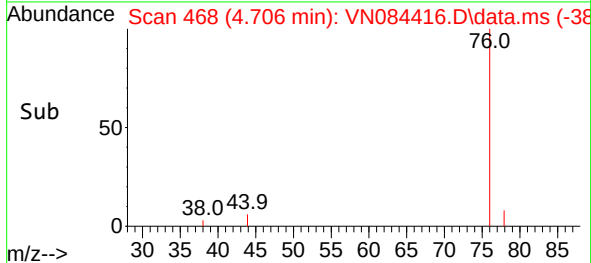
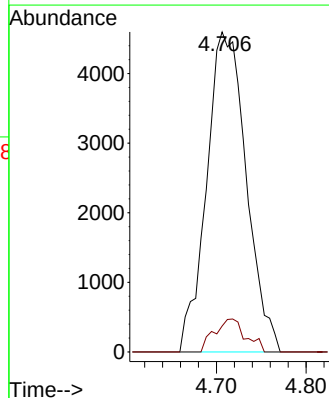
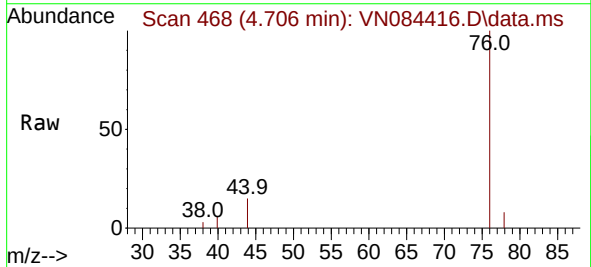
RT: 4.706 min Scan# 468

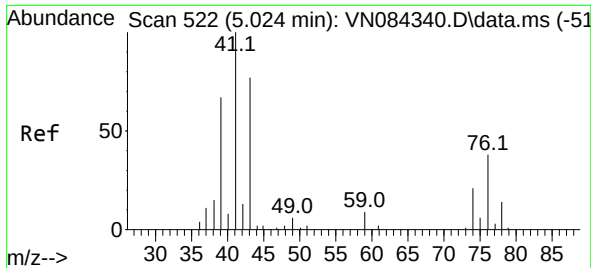
Delta R.T. 0.000 min

Lab File: VN084416.D

Acq: 15 Oct 2024 15:27

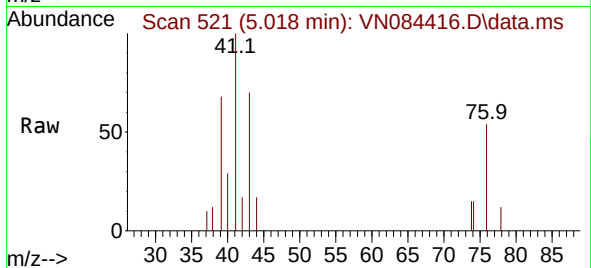
Tgt Ion: 76 Resp: 14102
 Ion Ratio Lower Upper
 76 100
 78 8.1 7.1 10.7





#17
 Allyl chloride
 Concen: 2.182 ug/l m
 RT: 5.018 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN084416.D
 Acq: 15 Oct 2024 15:27

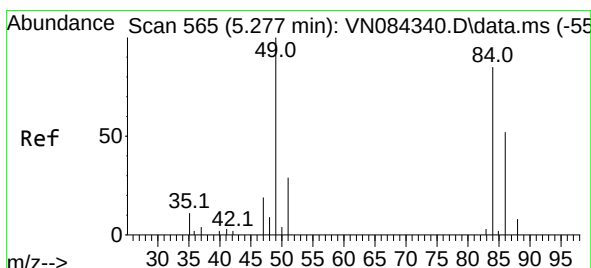
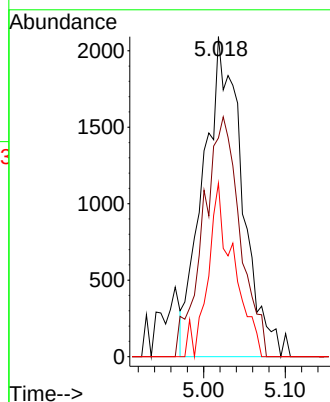
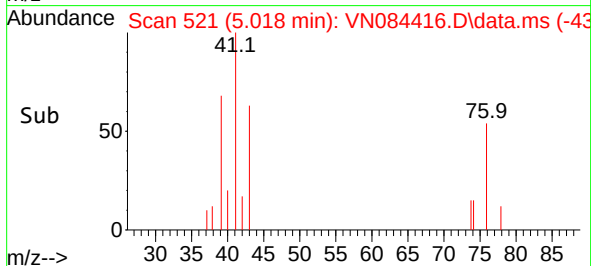
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2024



Tgt Ion: 41	Resp: 690
Ion Ratio	Lower Upper
41	100
39	68.4 31.4 94.3
76	54.2 17.8 53.5

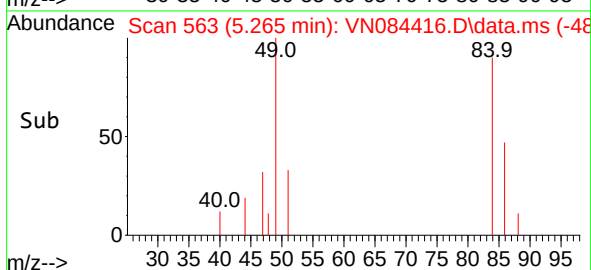
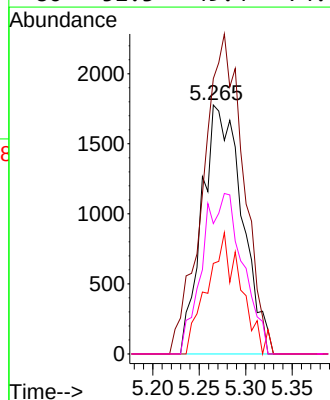
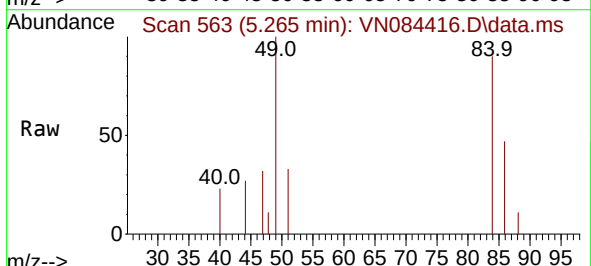
Manual Integrations
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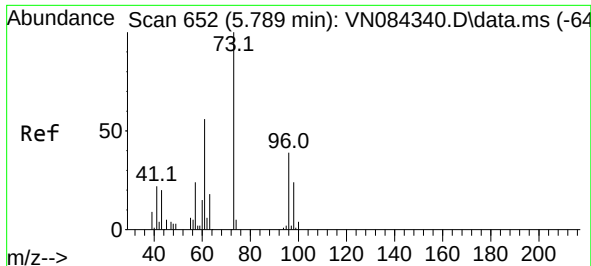
Reviewed By :John Carlone 10/16/2024
 Supervised By :Mahesh Dadoda 10/16/2024



#18
 Methylene Chloride
 Concen: 2.441 ug/l m
 RT: 5.265 min Scan# 563
 Delta R.T. -0.012 min
 Lab File: VN084416.D
 Acq: 15 Oct 2024 15:27

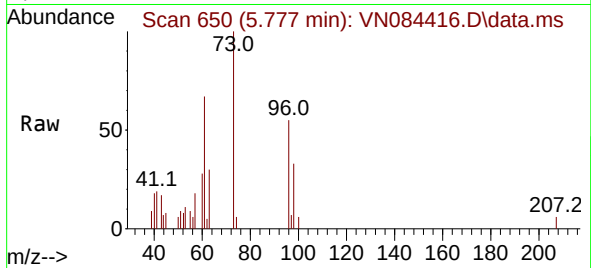
Tgt Ion: 84	Resp: 5365
Ion Ratio	Lower Upper
84	100
49	110.6 94.6 142.0
51	36.4 27.3 40.9
86	52.3 49.4 74.0





#19
trans-1,2-Dichloroethene
Concen: 2.405 ug/l
RT: 5.777 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

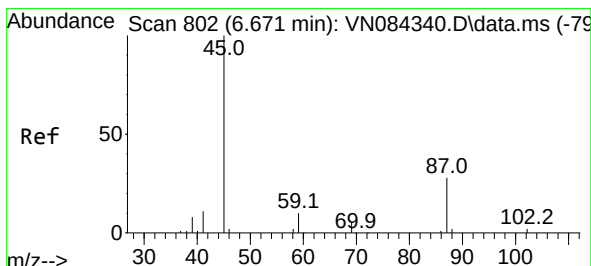
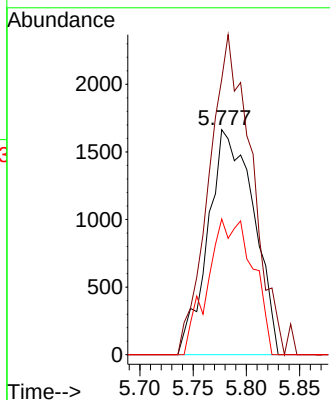
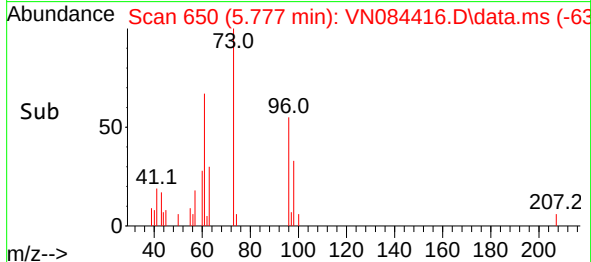
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 96 Resp: 496
Ion Ratio Lower Upper
96 100
61 122.4 115.8 173.6
98 60.3 49.4 74.0

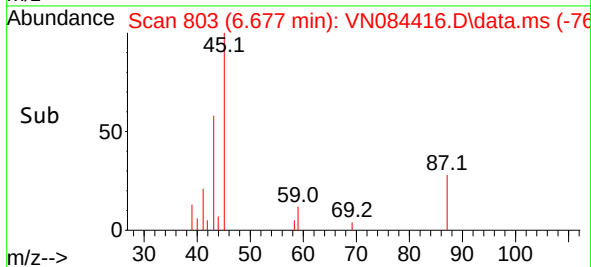
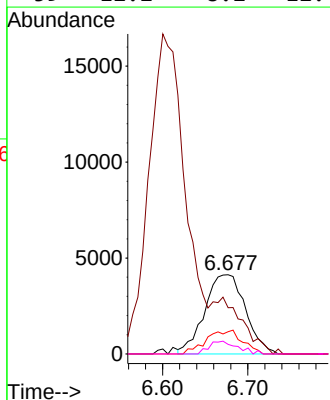
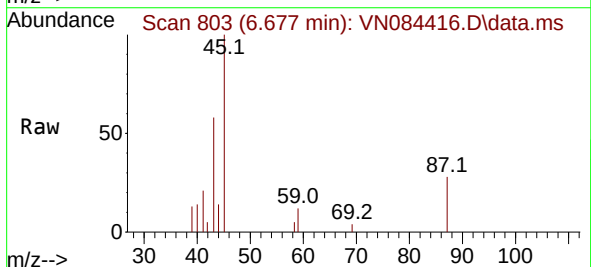
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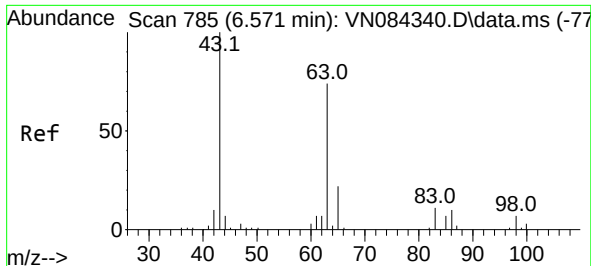
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#20
Diisopropyl ether
Concen: 2.016 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Tgt Ion: 45 Resp: 13712
Ion Ratio Lower Upper
45 100
43 52.1 43.7 65.5
87 28.1 23.1 34.7
59 12.2 8.2 12.4





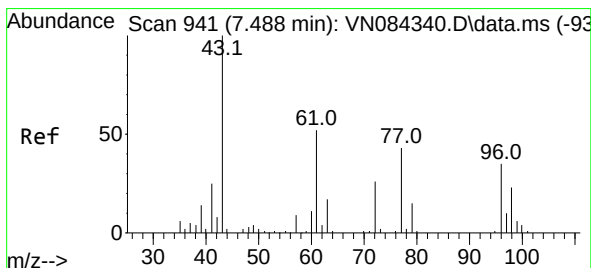
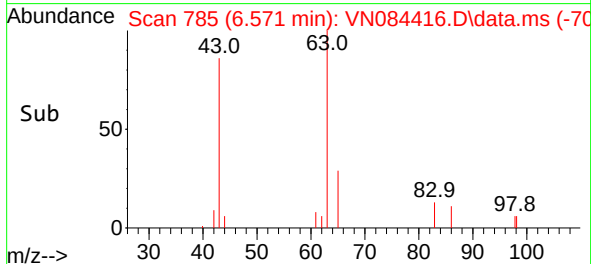
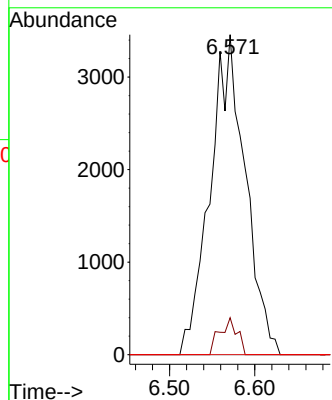
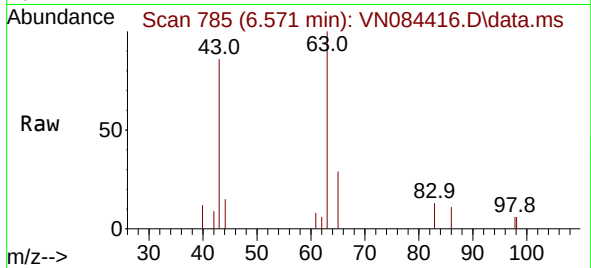
#21
1,1-Dichloroethane
Concen: 2.538 ug/l
RT: 6.571 min Scan# 785
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 63 Resp: 990
Ion Ratio Lower Upper
63 100
98 11.6 4.5 13.4
100 0.0 2.1 6.3

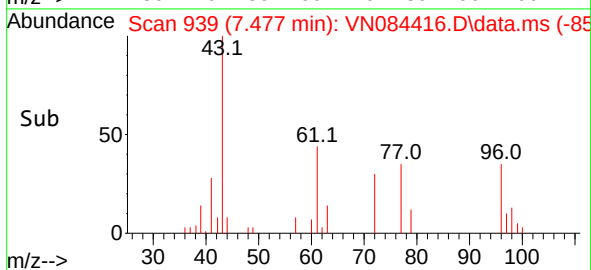
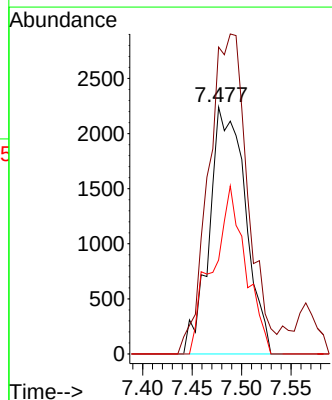
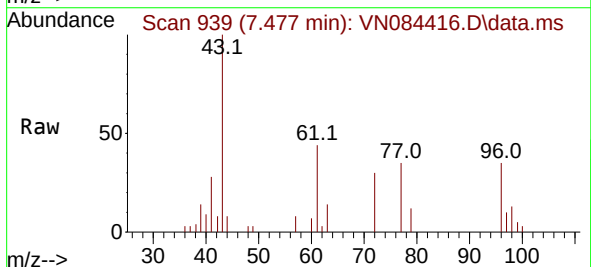
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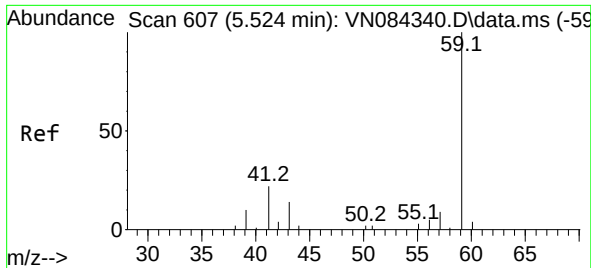
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#22
cis-1,2-Dichloroethene
Concen: 2.364 ug/l m
RT: 7.477 min Scan# 939
Delta R.T. -0.012 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

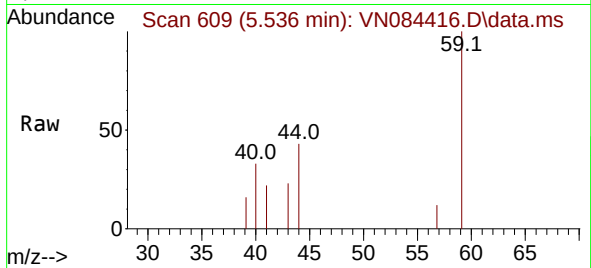
Tgt Ion: 96 Resp: 5681
Ion Ratio Lower Upper
96 100
61 67.0 118.0 177.0#
98 47.2 51.8 77.8#





#23
tert-Butyl Alcohol
Concen: 12.070 ug/l m
RT: 5.536 min Scan# 607
Delta R.T. 0.012 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

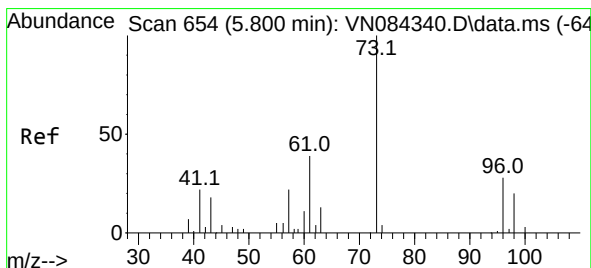
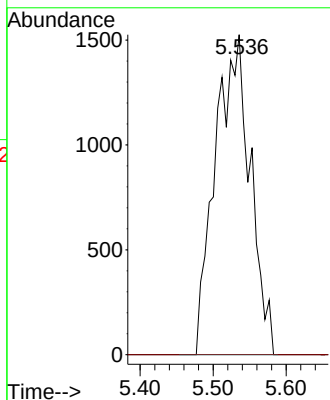
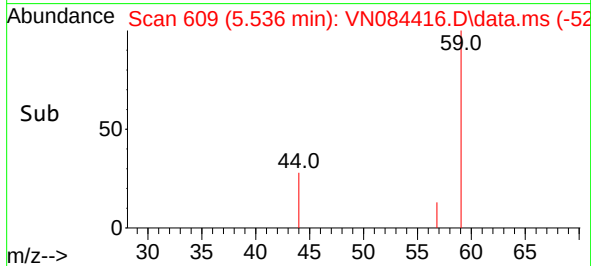
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 59 Resp: 508
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

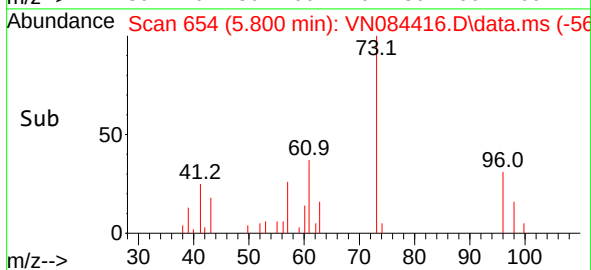
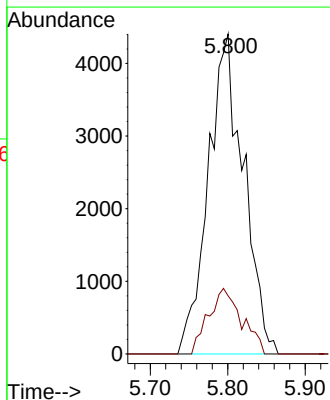
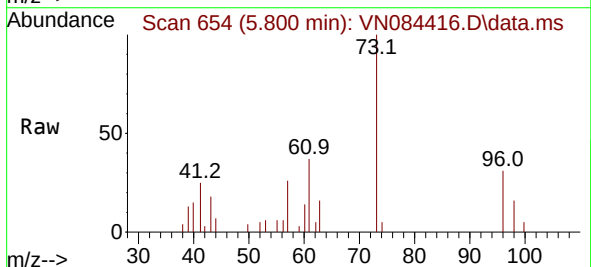
Manual Integrations
APPROVED

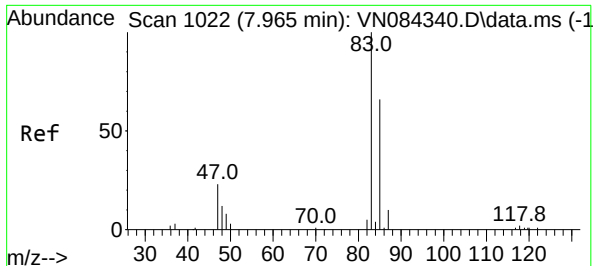
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#24
Methyl tert-Butyl Ether
Concen: 2.138 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Tgt Ion: 73 Resp: 13944
Ion Ratio Lower Upper
73 100
43 8.0 10.9 16.3#





#25

Chloroform

Concen: 2.580 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN084416.D

Acq: 15 Oct 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

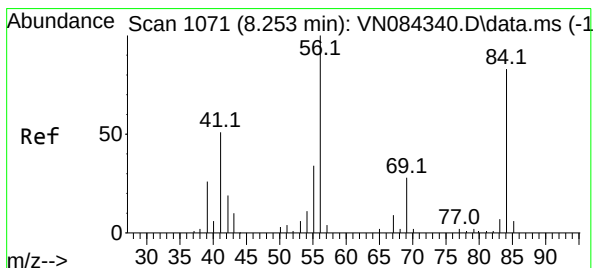
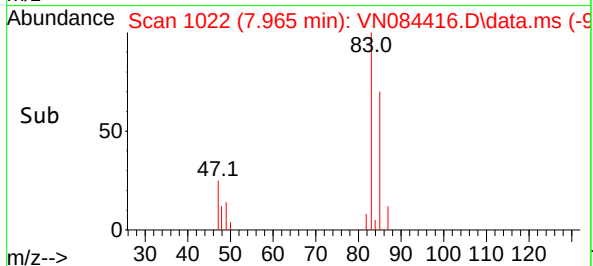
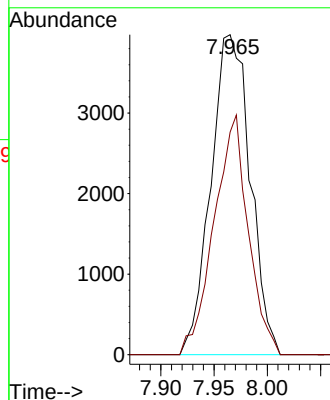
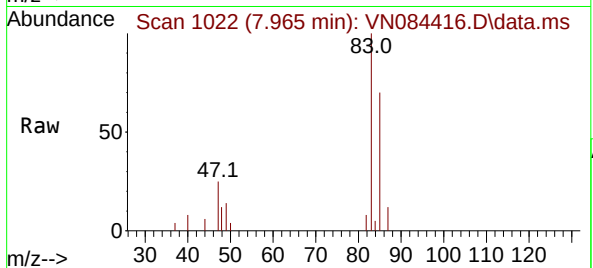
Tgt Ion: 83 Resp: 10198
 Ion Ratio Lower Upper
 83 100
 85 69.5 52.4 78.6

Manual Integrations

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Reviewed By :John Carlone 10/16/2024

Supervised By :Mahesh Dadoda 10/16/2024



#26

Cyclohexane

Concen: 1.929 ug/l

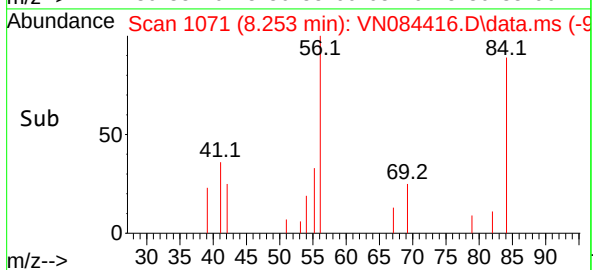
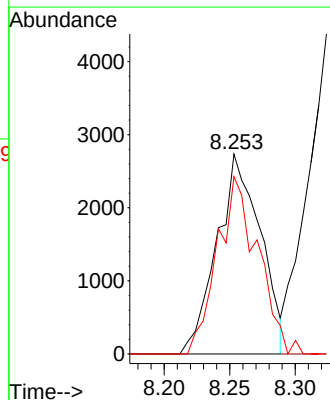
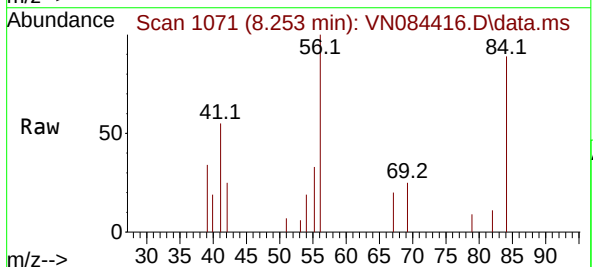
RT: 8.253 min Scan# 1071

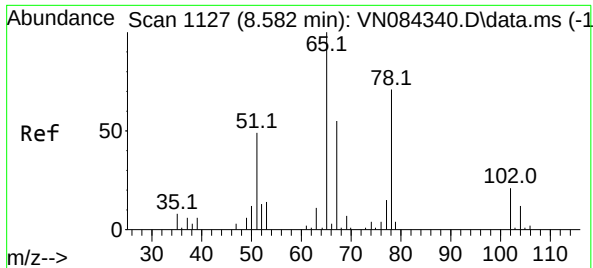
Delta R.T. 0.000 min

Lab File: VN084416.D

Acq: 15 Oct 2024 15:27

Tgt Ion: 56 Resp: 6295
 Ion Ratio Lower Upper
 56 100
 89 0.0 0.0 0.0
 84 61.2 67.0 100.6





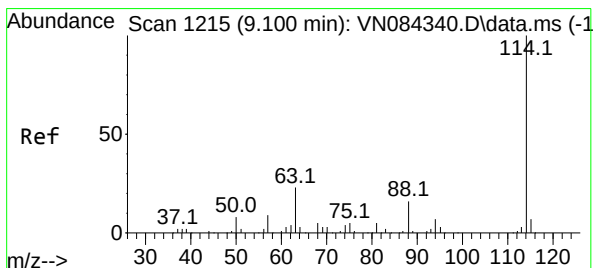
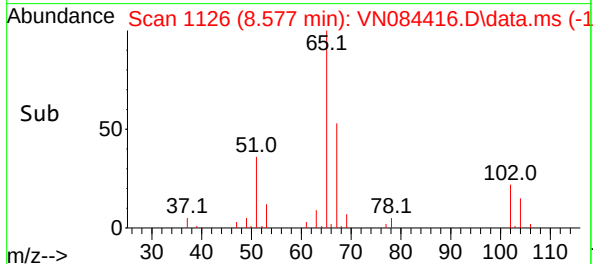
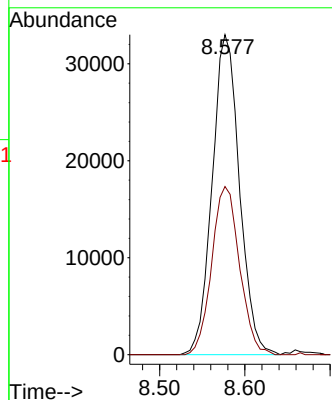
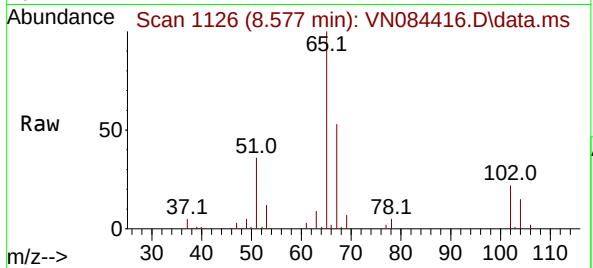
#27
1,2-Dichloroethane-d4
Concen: 29.084 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024

Tgt Ion: 65 Resp: 73379
Ion Ratio Lower Upper
65 100
67 53.5 41.5 62.3

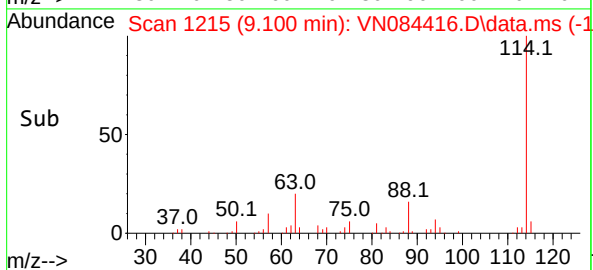
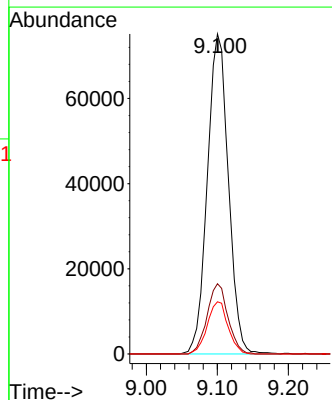
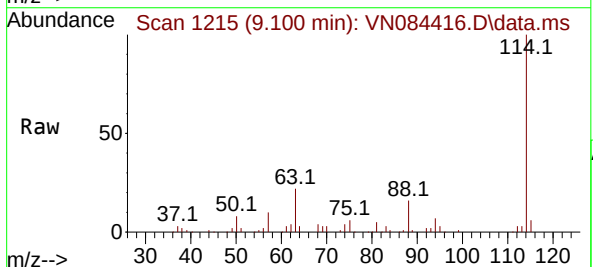
Manual Integrations
APPROVED

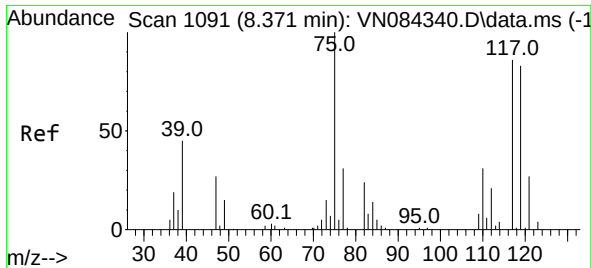
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

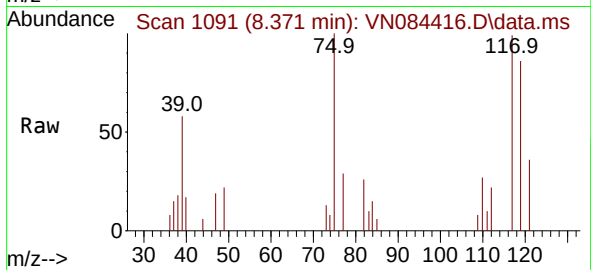
Tgt Ion:114 Resp: 154647
Ion Ratio Lower Upper
114 100
63 21.7 17.4 26.0
88 16.1 13.2 19.8





#29
1,1-Dichloropropene
Concen: 2.369 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

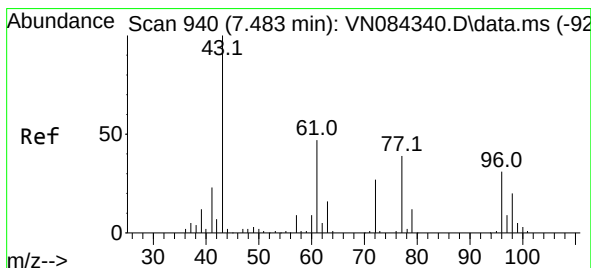
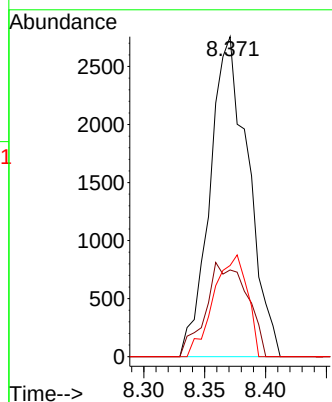
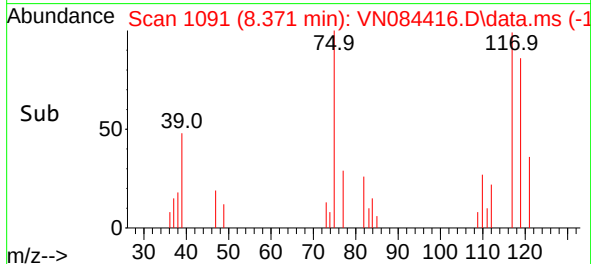
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 75 Resp: 601
Ion Ratio Lower Upper
75 100
110 15.4 0.0 67.6
77 28.0 0.0 61.4

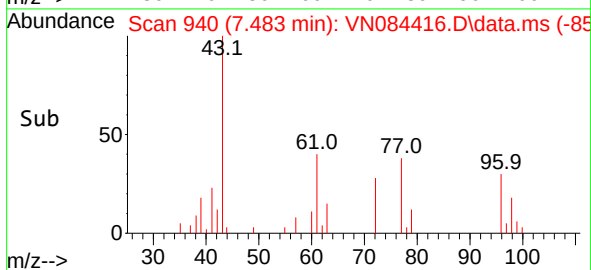
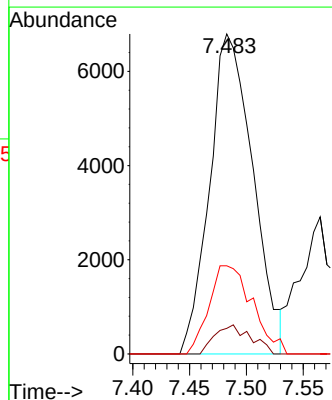
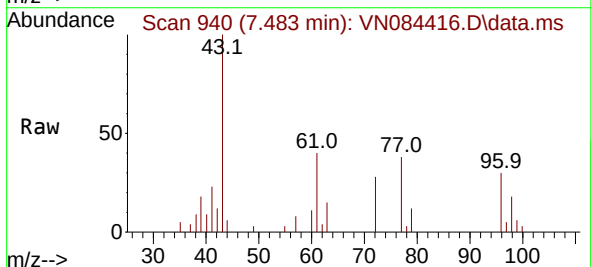
Manual Integrations
APPROVED

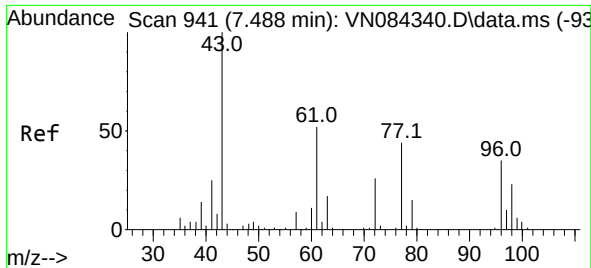
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#30
2-Butanone
Concen: 13.341 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Tgt Ion: 43 Resp: 18032
Ion Ratio Lower Upper
43 100
57 6.5 6.6 9.8#
72 26.9 21.3 31.9





#31

2,2-Dichloropropane

Concen: 2.575 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.000 min

Lab File: VN084416.D

Acq: 15 Oct 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 77 Resp: 768

Ion Ratio Lower Upper

77 100

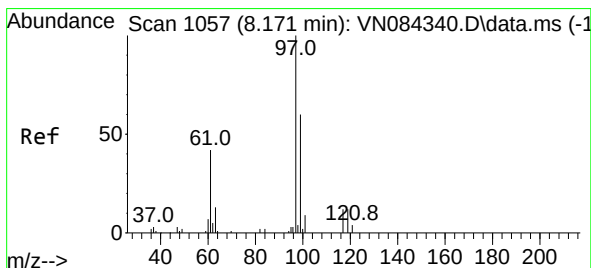
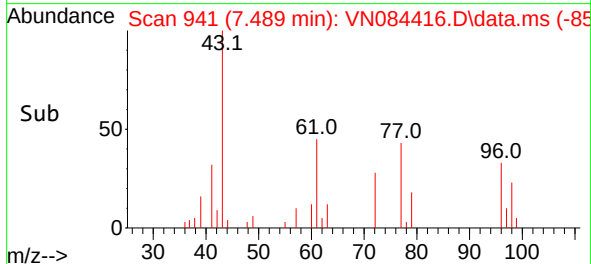
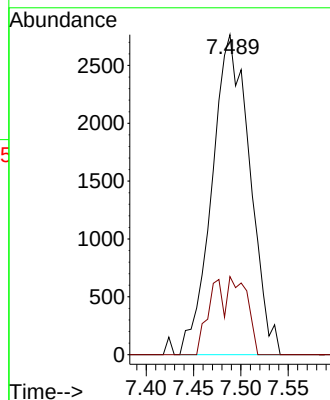
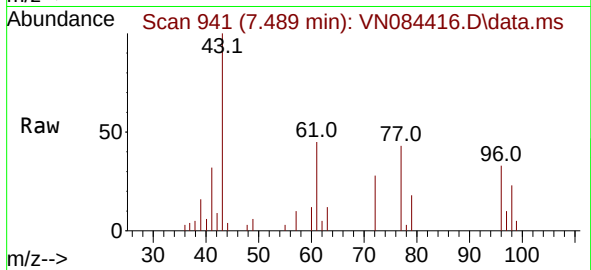
97 2.8 11.5 17.3

Manual Integrations

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Reviewed By :John Carlone 10/16/2024

Supervised By :Mahesh Dadoda 10/16/2024



#32

1,1,1-Trichloroethane

Concen: 2.718 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN084416.D

Acq: 15 Oct 2024 15:27

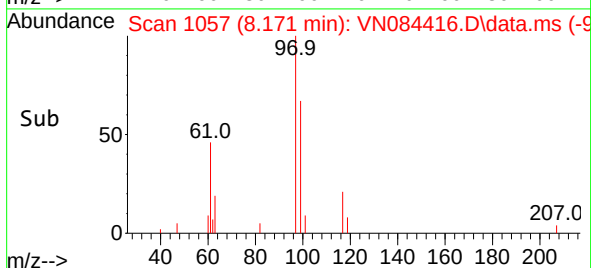
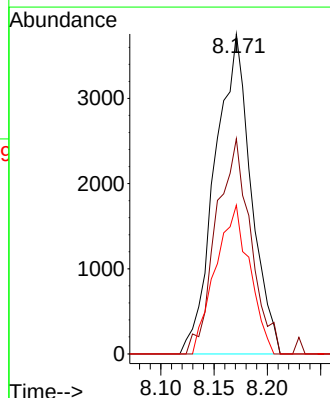
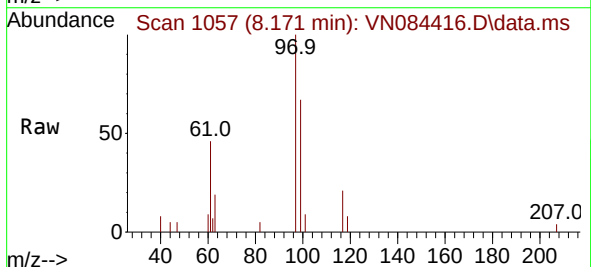
Tgt Ion: 97 Resp: 8820

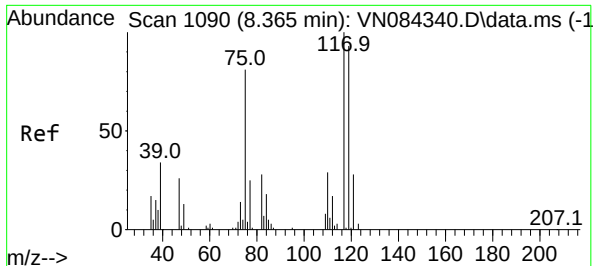
Ion Ratio Lower Upper

97 100

99 64.8 51.2 76.8

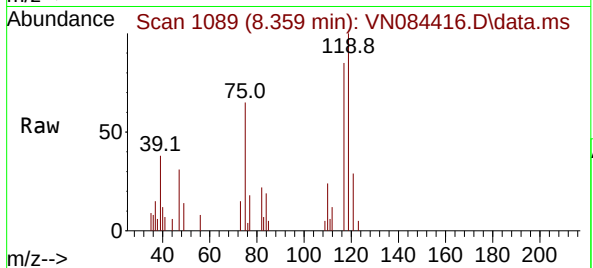
61 44.2 34.1 51.1





#33
Carbon Tetrachloride
Concen: 2.535 ug/l m
RT: 8.359 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

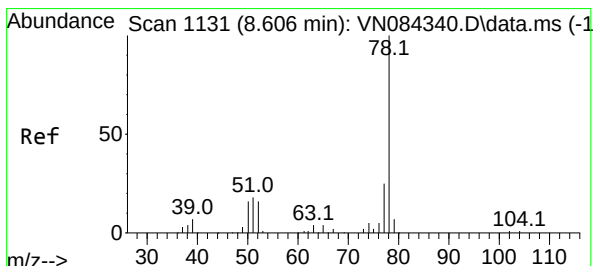
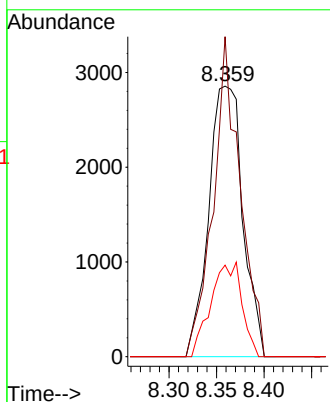
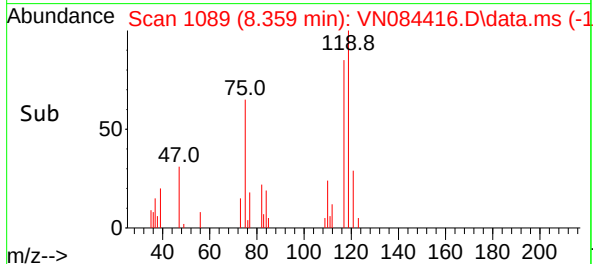
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024



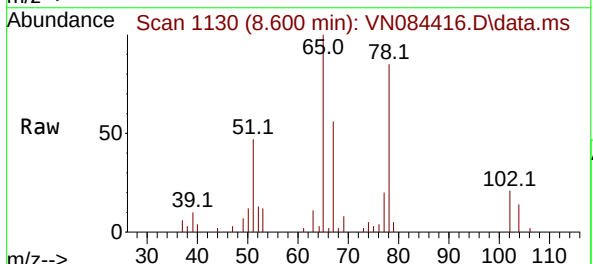
Tgt Ion: 117 Resp: 7120
Ion Ratio Lower Upper
117 100
119 118.2 74.3 111.5
121 33.8 22.4 33.6

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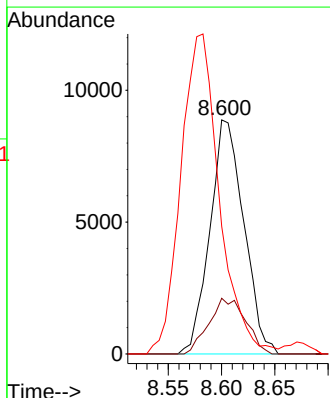
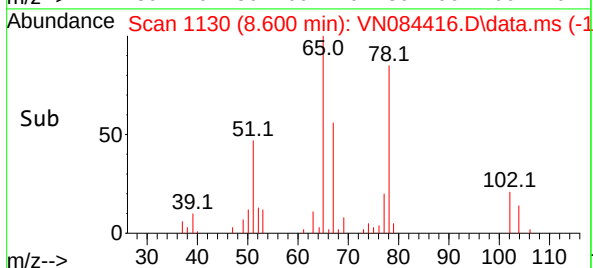
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024

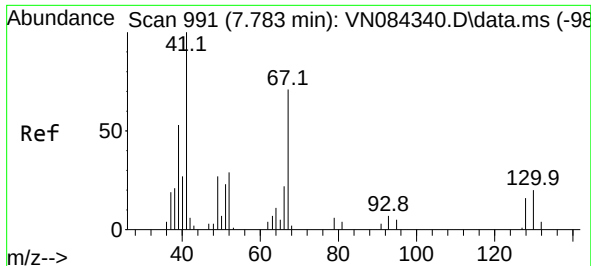


#34
Benzene
Concen: 2.475 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27



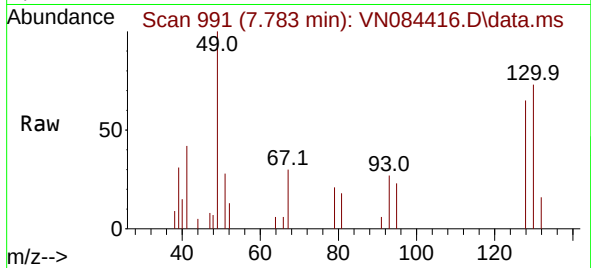
Tgt Ion: 78 Resp: 19672
Ion Ratio Lower Upper
78 100
77 23.8 19.6 29.4
51 52.3 15.8 23.6





#35
Methacrylonitrile
Concen: 2.712 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

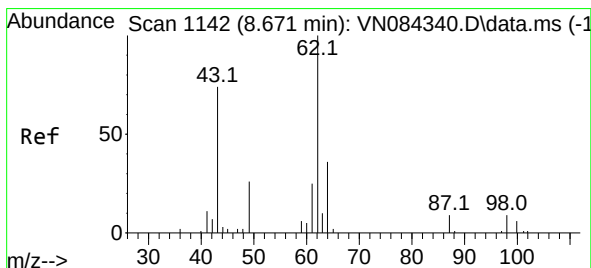
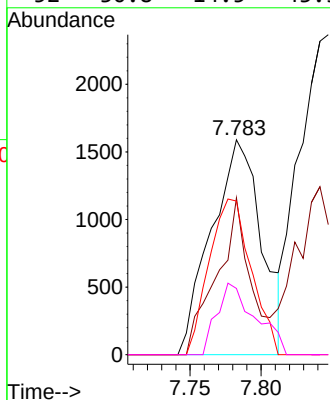
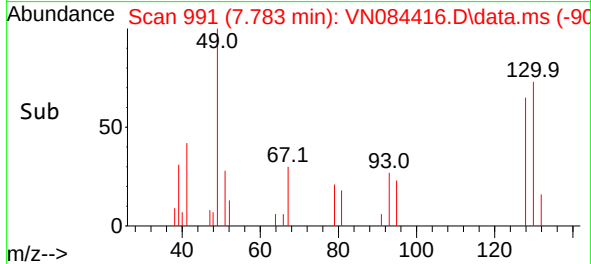
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 41 Resp: 3910
Ion Ratio Lower Upper
41 100
39 73.0 26.4 79.0
67 71.4 35.7 107.1
52 30.8 14.5 43.5

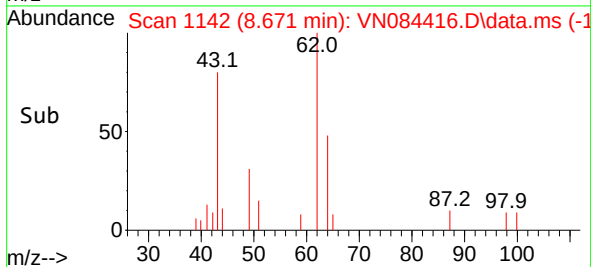
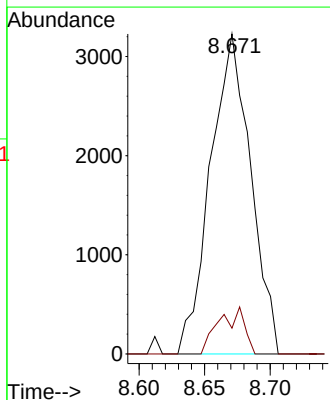
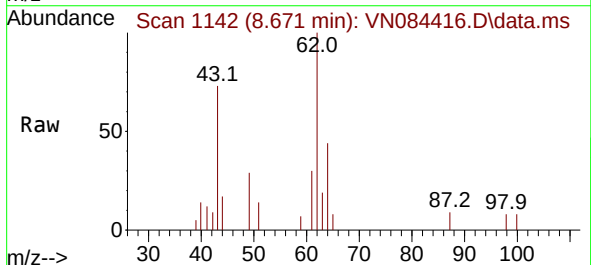
Manual Integrations
APPROVED

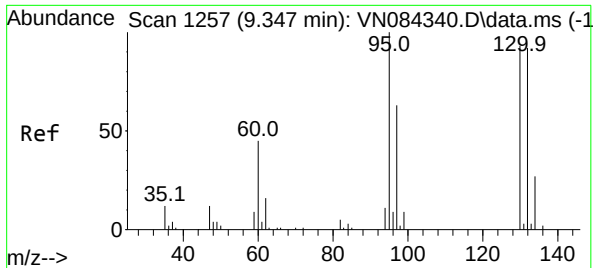
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#36
1,2-Dichloroethane
Concen: 2.597 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

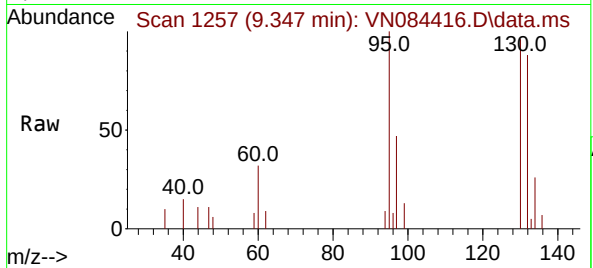
Tgt Ion: 62 Resp: 6879
Ion Ratio Lower Upper
62 100
98 3.4 7.3 10.9#





#37
Trichloroethene
Concen: 2.904 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

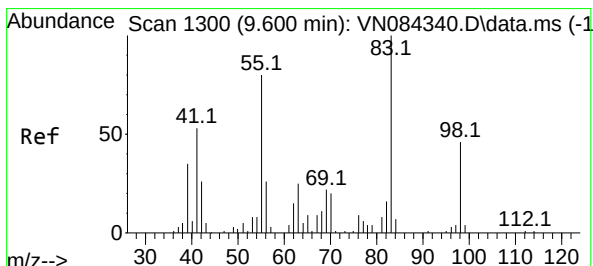
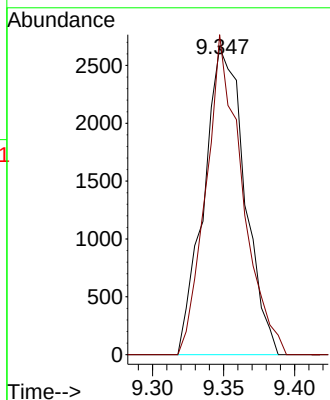
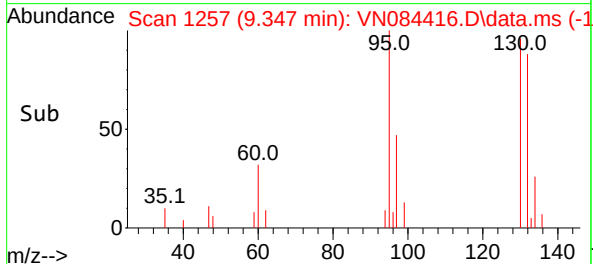
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



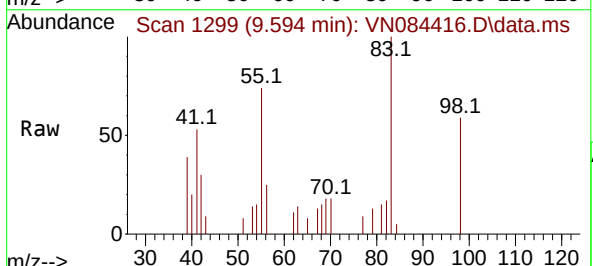
Tgt Ion:130 Resp: 5314
Ion Ratio Lower Upper
130 100
95 104.2 85.8 128.6

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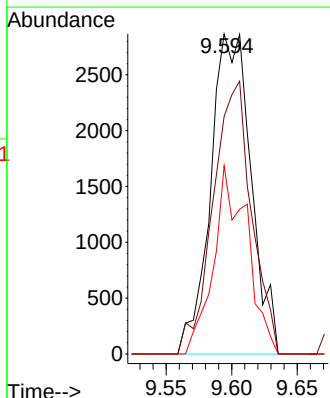
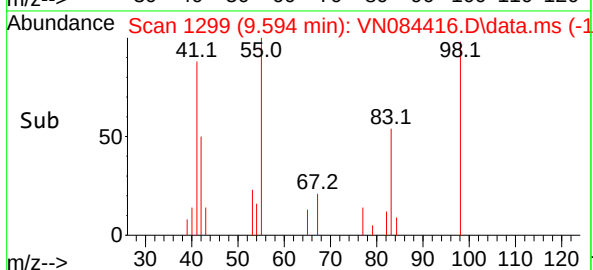
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024

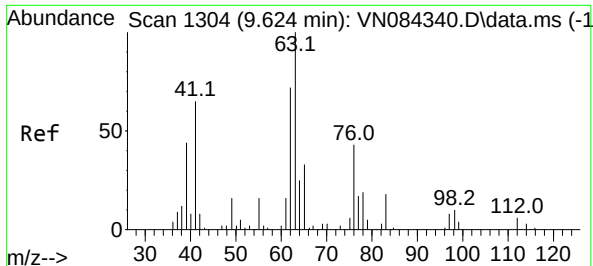


#38
Methylcyclohexane
Concen: 2.207 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. -0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27



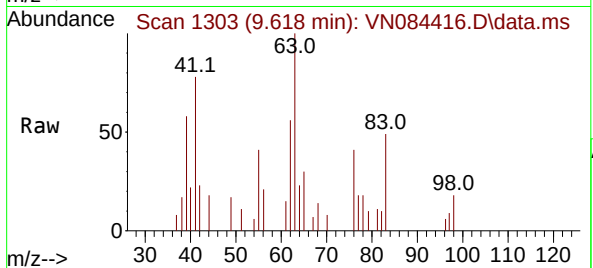
Tgt Ion: 83 Resp: 6155
Ion Ratio Lower Upper
83 100
55 0.0 39.3 117.8#
98 28.1 24.0 72.0





#39
1,2-Dichloropropane
Concen: 2.701 ug/l
RT: 9.618 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

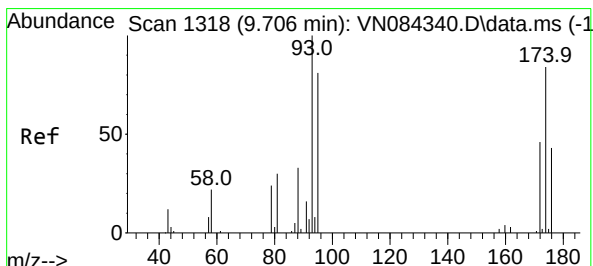
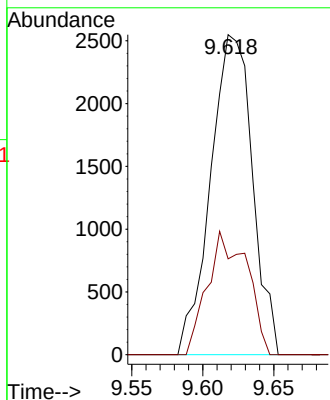
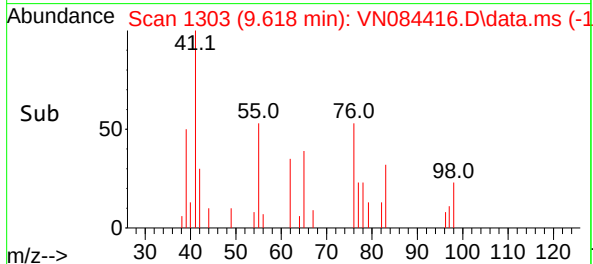
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



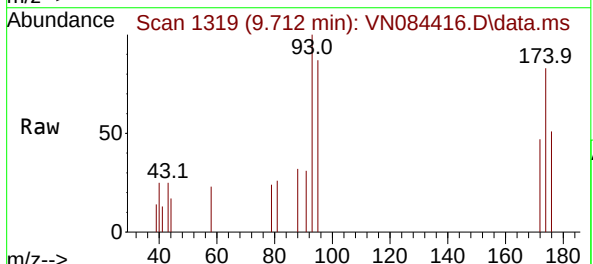
Tgt Ion: 63 Resp: 5234
Ion Ratio Lower Upper
63 100
65 30.0 26.3 39.5

Manual Integrations
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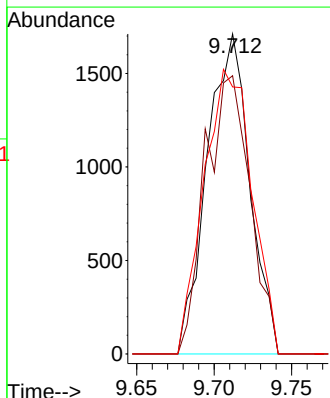
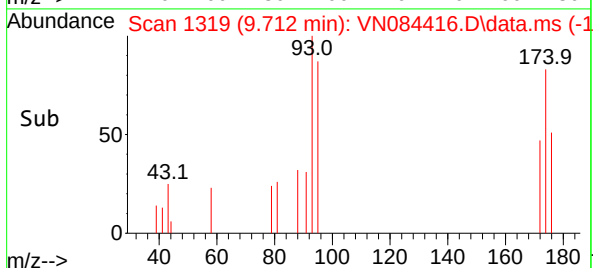
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024

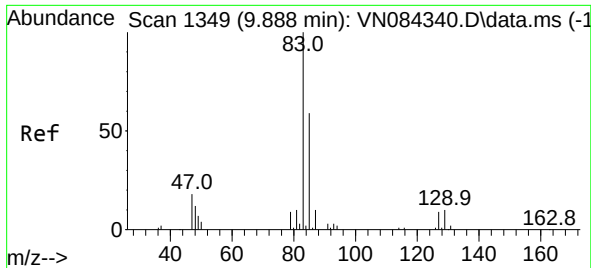


#40
Dibromomethane
Concen: 2.423 ug/l
RT: 9.712 min Scan# 1319
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27



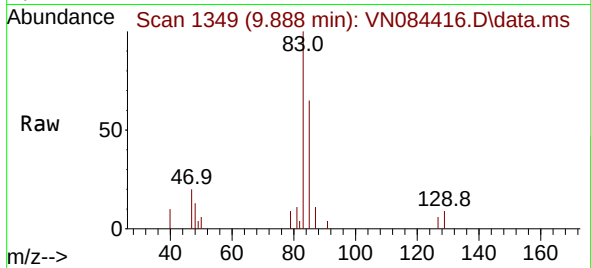
Tgt Ion: 93 Resp: 3282
Ion Ratio Lower Upper
93 100
95 91.5 0.0 171.4
174 100.2 0.0 183.0





#41
Bromodichloromethane
Concen: 2.675 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

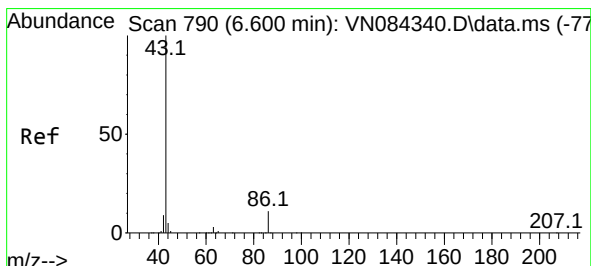
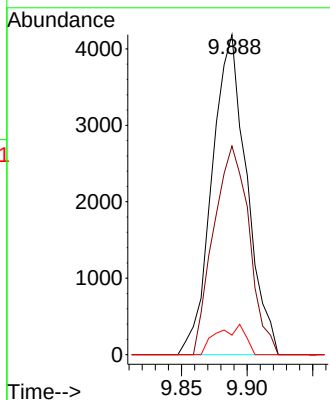
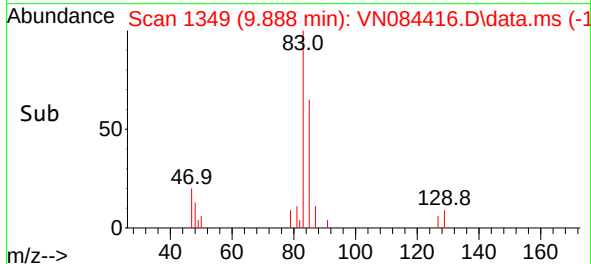
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



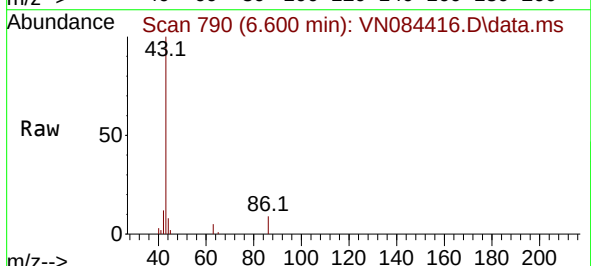
Tgt Ion: 83 Resp: 769
Ion Ratio Lower Upper
83 100
85 65.2 47.1 70.7
127 6.1 7.1 10.7

Manual Integrations
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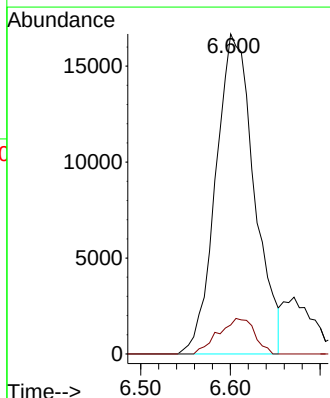
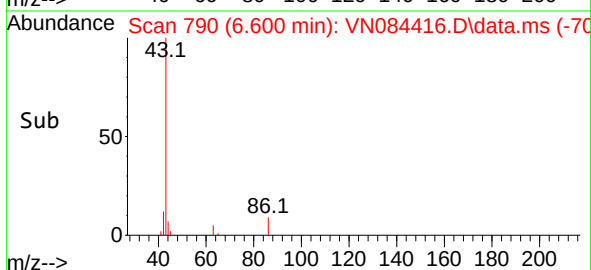
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024

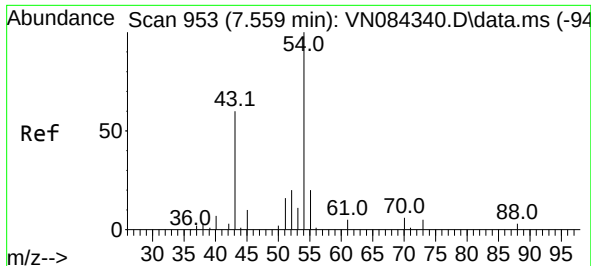


#42
Vinyl Acetate
Concen: 10.573 ug/l
RT: 6.600 min Scan# 790
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27



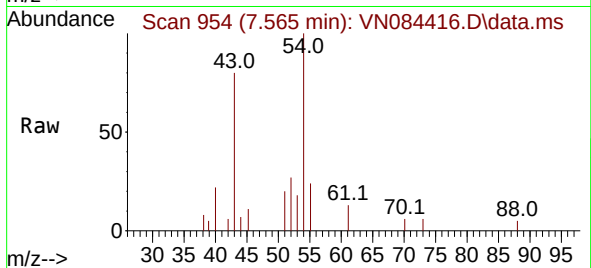
Tgt Ion: 43 Resp: 49703
Ion Ratio Lower Upper
43 100
86 10.4 8.5 12.7





#43
Ethyl Acetate
Concen: 2.560 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

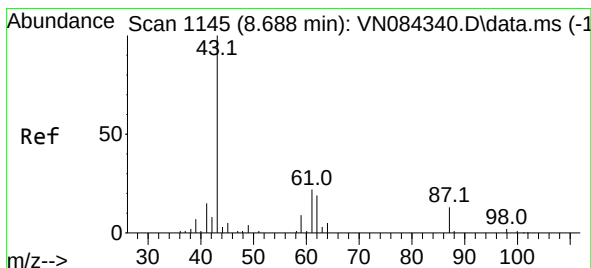
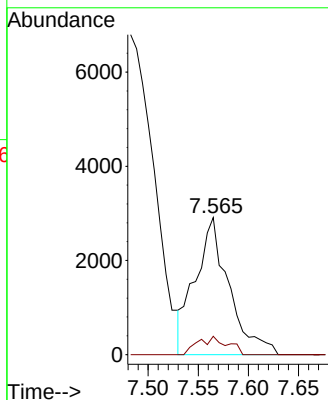
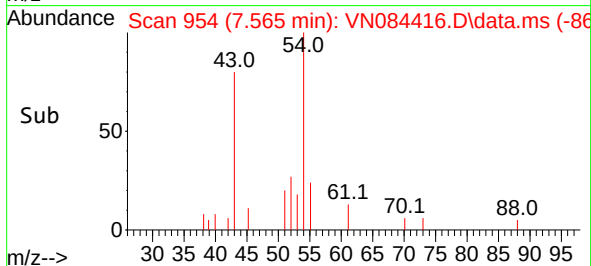
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



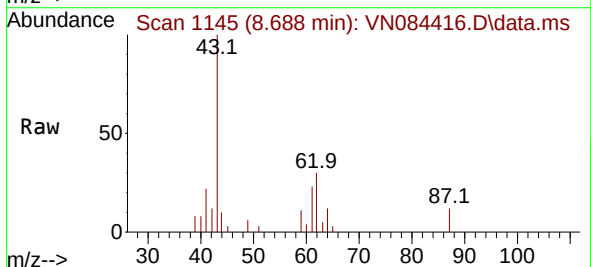
Tgt Ion: 43 Resp: 6824
Ion Ratio Lower Upper
43 100
45 4.3 10.6 16.0

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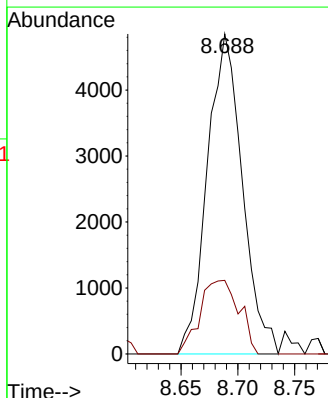
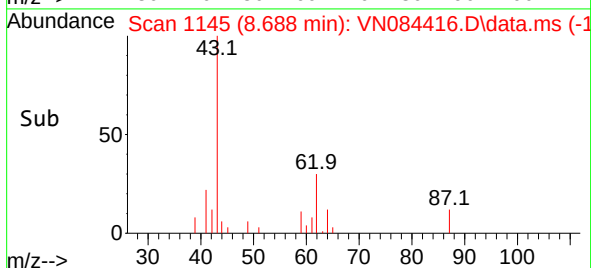
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024

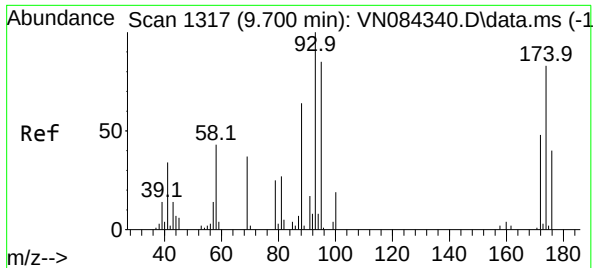


#44
Isopropyl Acetate
Concen: 2.382 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27



Tgt Ion: 43 Resp: 10393
Ion Ratio Lower Upper
43 100
61 25.7 21.4 32.2





#45

1,4-Dioxane

Concen: 47.214 ug/l

RT: 9.688 min Scan# 1315

Delta R.T. -0.012 min

Lab File: VN084416.D

Acq: 15 Oct 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 88 Resp: 185

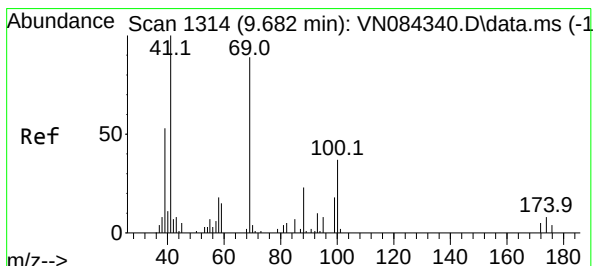
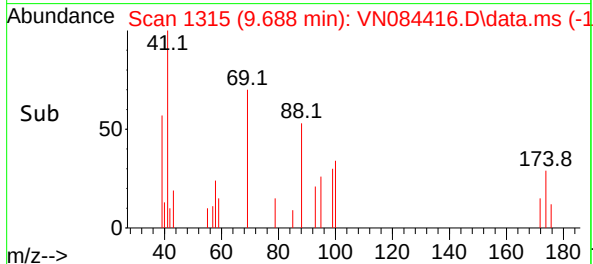
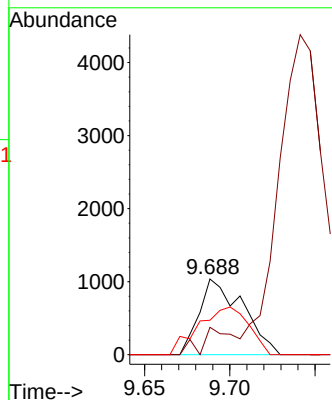
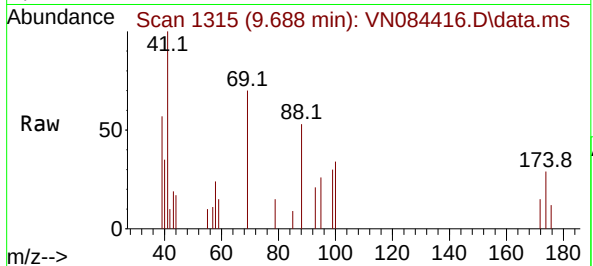
Ion	Ratio	Lower	Upper
88	100		
43	22.1	22.4	33.6
58	72.3	59.7	89.5

Manual Integrations

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Reviewed By :John Carlone 10/16/2024

Supervised By :Mahesh Dadoda 10/16/2024



#46

Methyl methacrylate

Concen: 2.097 ug/l m

RT: 9.688 min Scan# 1315

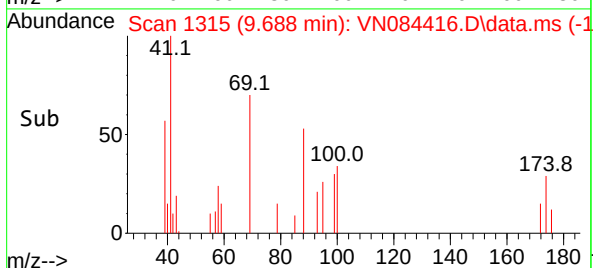
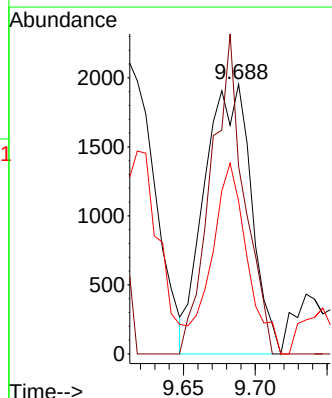
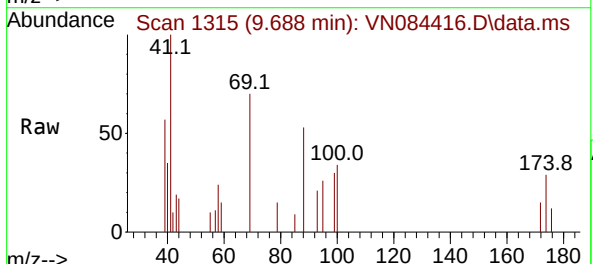
Delta R.T. 0.006 min

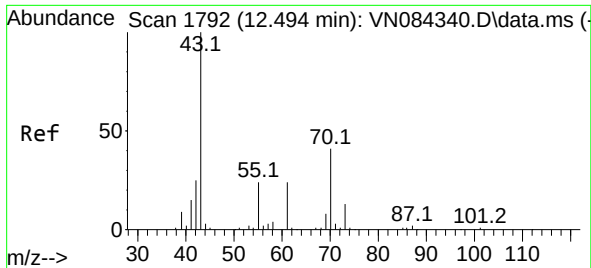
Lab File: VN084416.D

Acq: 15 Oct 2024 15:27

Tgt Ion: 41 Resp: 4420

Ion	Ratio	Lower	Upper
41	100		
69	69.6	42.6	128.0
39	56.6	27.5	82.4





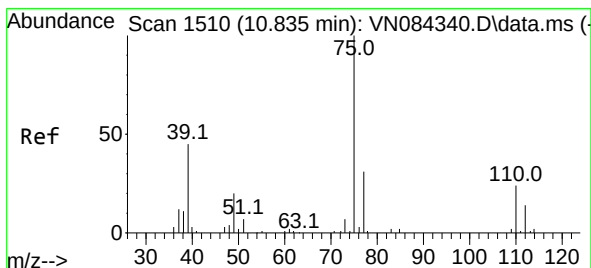
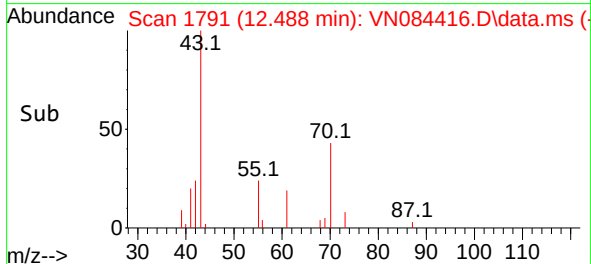
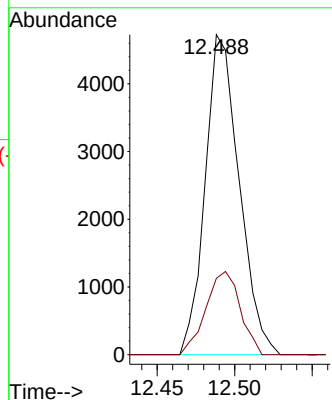
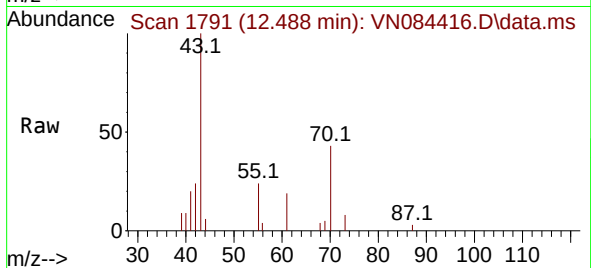
#47
n-amy1 Acetate
Concen: 1.857 ug/l
RT: 12.488 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 43 Resp: 720
Ion Ratio Lower Upper
43 100
55 26.3 20.6 31.0

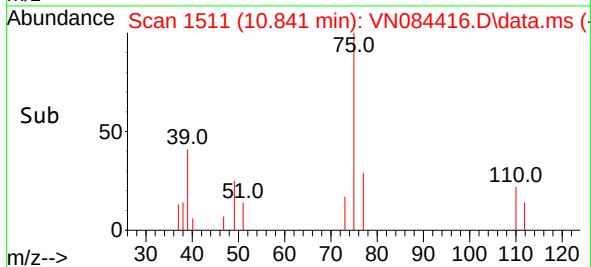
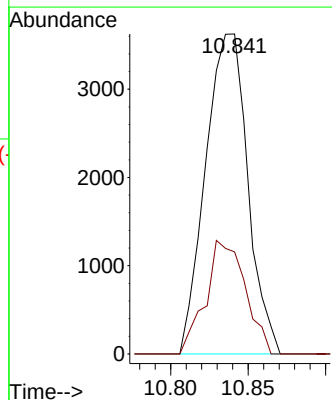
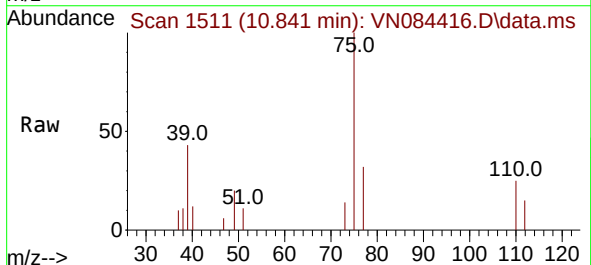
Manual Integrations
APPROVED

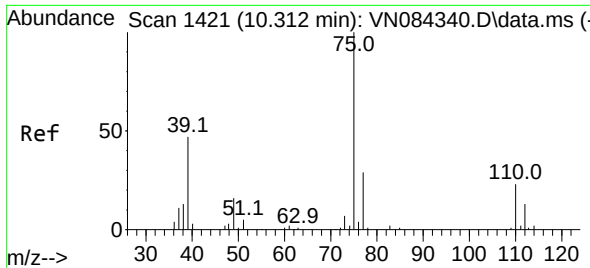
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#48
t-1,3-Dichloropropene
Concen: 2.312 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

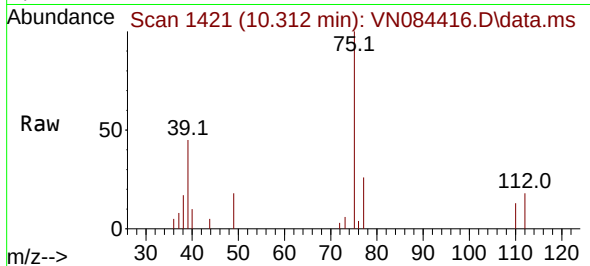
Tgt Ion: 75 Resp: 6868
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0





#49
 cis-1,3-Dichloropropene
 Concen: 2.319 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. 0.000 min
 Lab File: VN084416.D
 Acq: 15 Oct 2024 15:27

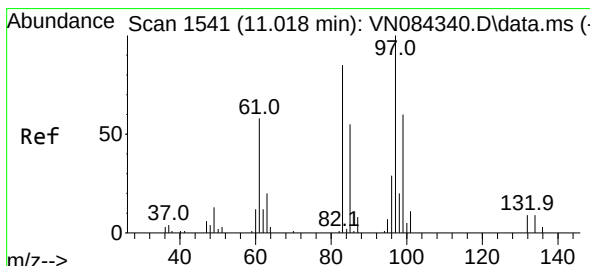
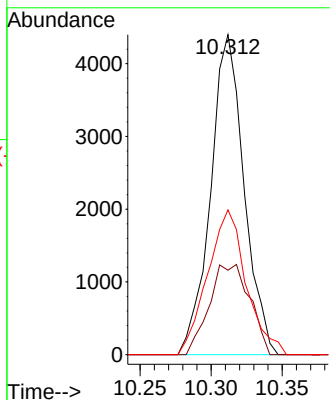
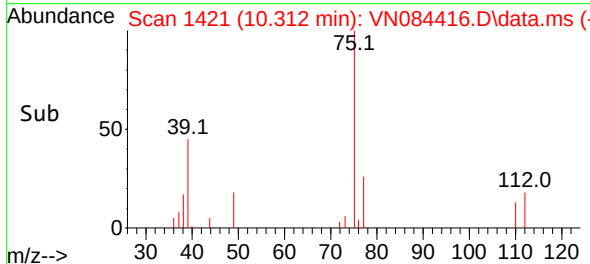
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2024



Tgt Ion: 75 Resp: 7220
 Ion Ratio Lower Upper
 75 100
 77 26.4 22.9 34.3
 39 45.3 37.4 56.2

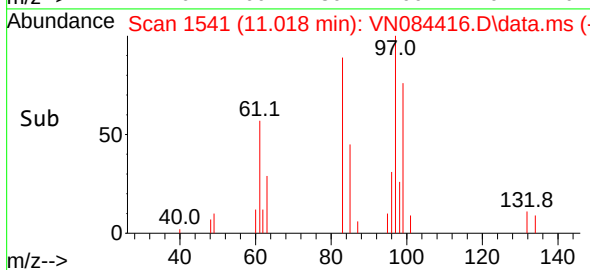
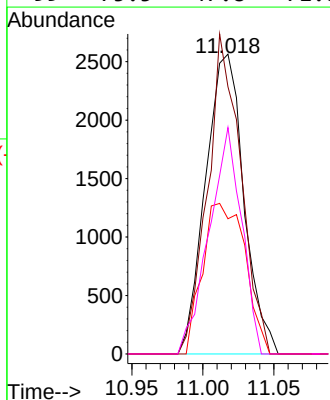
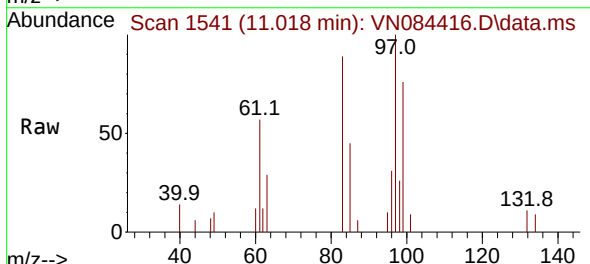
Manual Integrations
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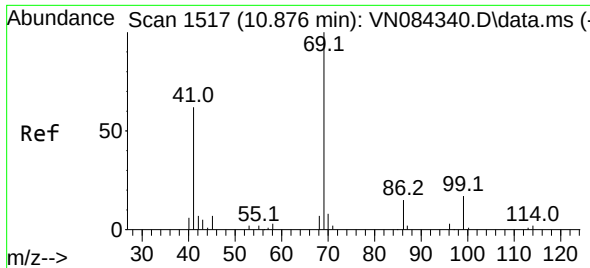
Reviewed By :John Carlone 10/16/2024
 Supervised By :Mahesh Dadoda 10/16/2024



#50
 1,1,2-Trichloroethane
 Concen: 2.646 ug/l
 RT: 11.018 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VN084416.D
 Acq: 15 Oct 2024 15:27

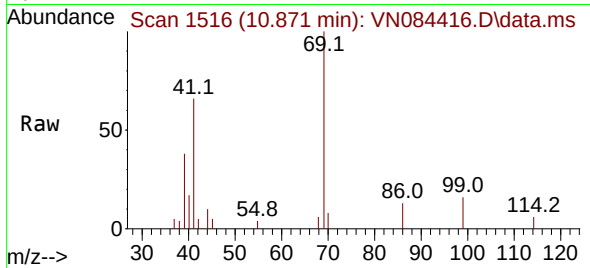
Tgt Ion: 97 Resp: 4816
 Ion Ratio Lower Upper
 97 100
 83 89.1 67.8 101.8
 85 45.1 44.2 66.2
 99 75.5 47.8 71.8#





#51
Ethyl methacrylate
Concen: 1.919 ug/l
RT: 10.871 min Scan# 1516
Delta R.T. -0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

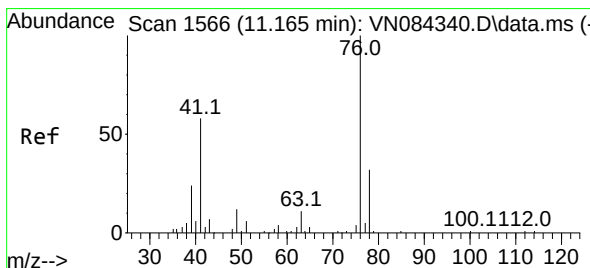
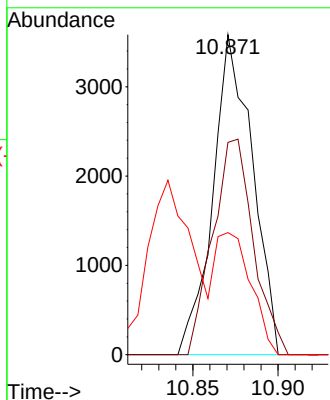
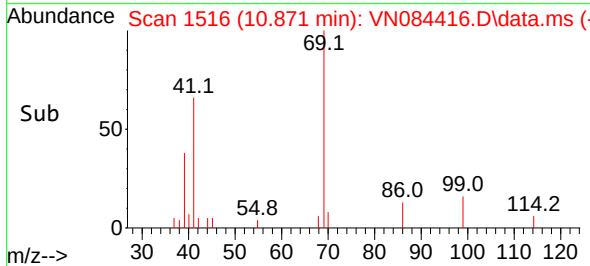
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 69 Resp: 5769
Ion Ratio Lower Upper
69 100
41 66.4 30.9 92.7
39 38.2 16.6 49.7

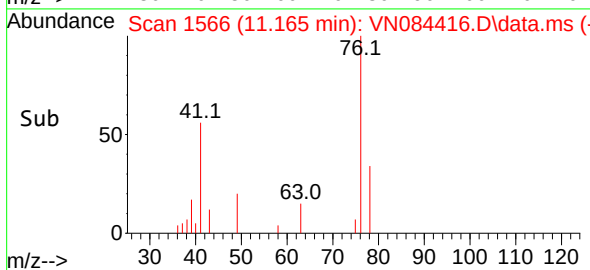
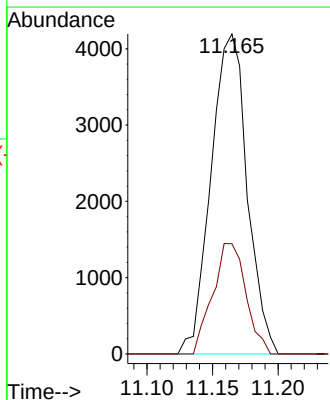
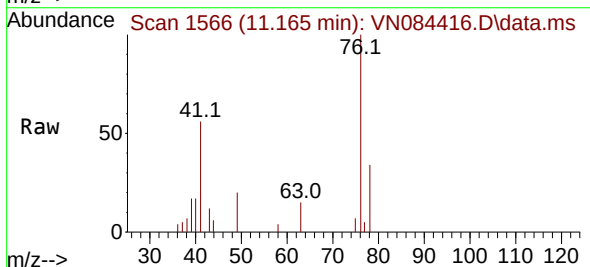
Manual Integrations
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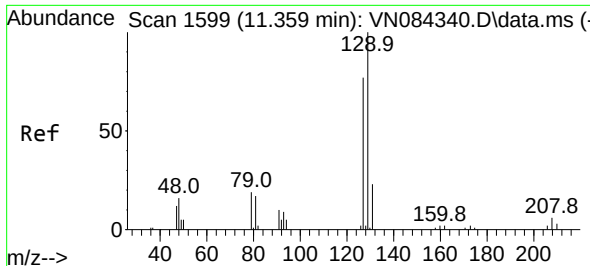
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#52
1,3-Dichloropropane
Concen: 2.528 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Tgt Ion: 76 Resp: 8047
Ion Ratio Lower Upper
76 100
78 31.7 0.0 64.2





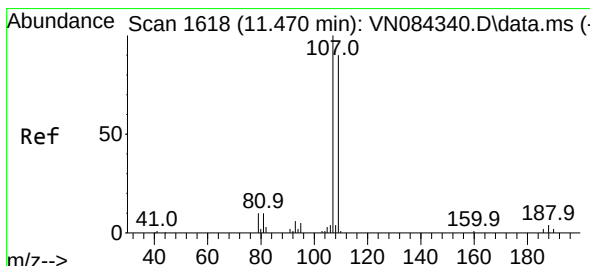
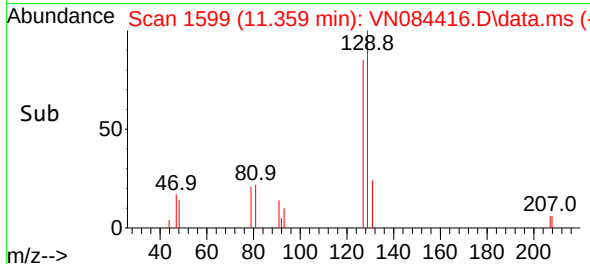
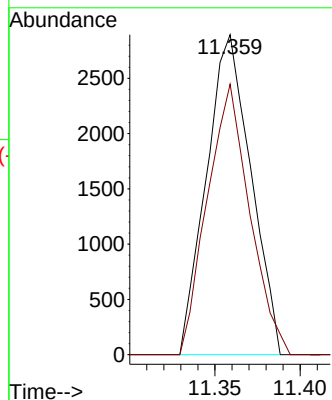
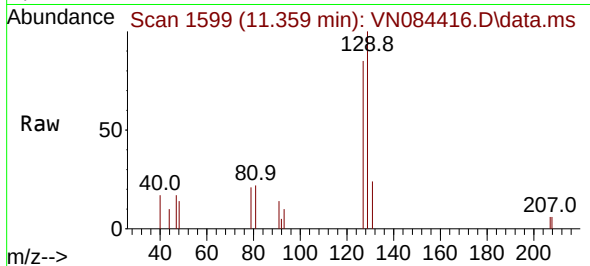
#53
Dibromochloromethane
Concen: 2.442 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion:129 Resp: 525
Ion Ratio Lower Upper
129 100
127 80.6 38.5 115.5

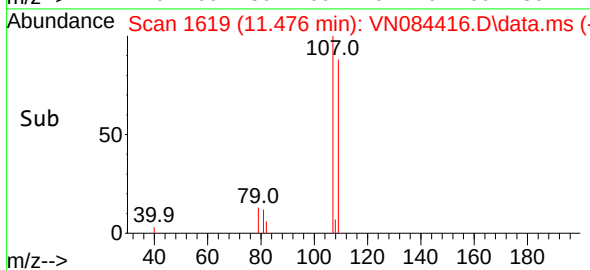
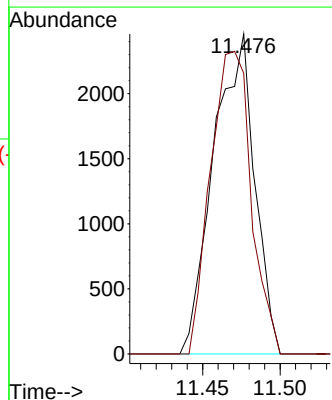
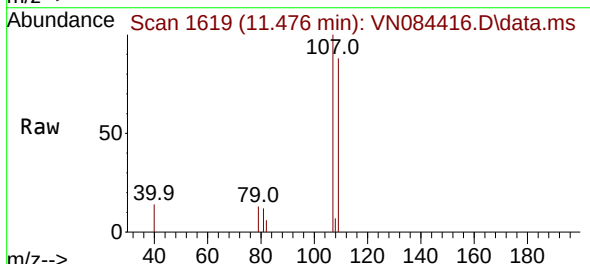
Manual Integrations
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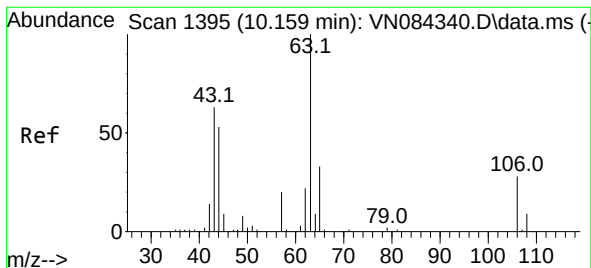
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#54
1,2-Dibromoethane
Concen: 2.420 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Tgt Ion:107 Resp: 4534
Ion Ratio Lower Upper
107 100
109 93.7 73.8 110.6





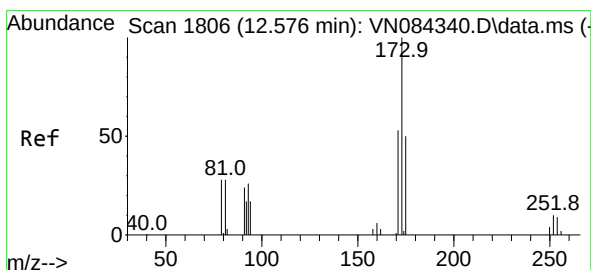
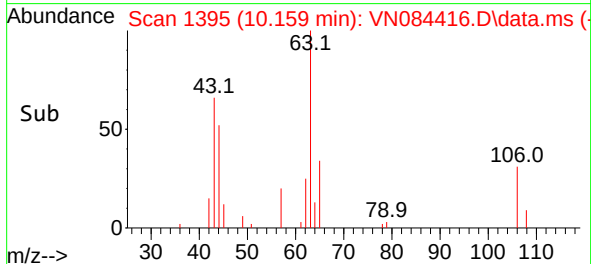
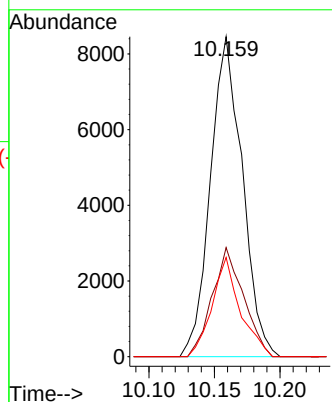
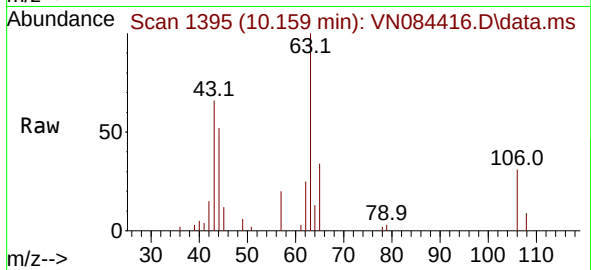
#55
2-Chloroethyl vinyl ether
Concen: 10.480 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 63 Resp: 1429
Ion Ratio Lower Upper
63 100
65 33.4 25.6 38.4
106 27.3 21.6 32.4

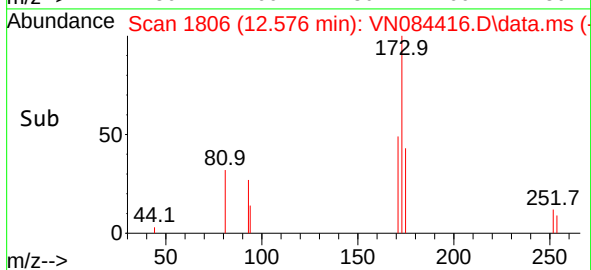
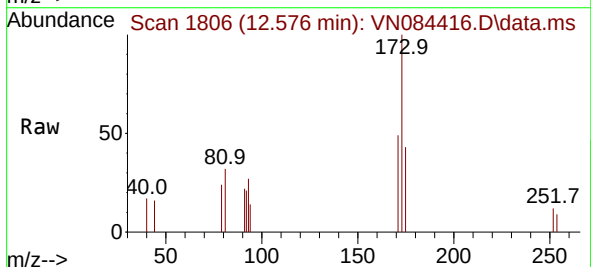
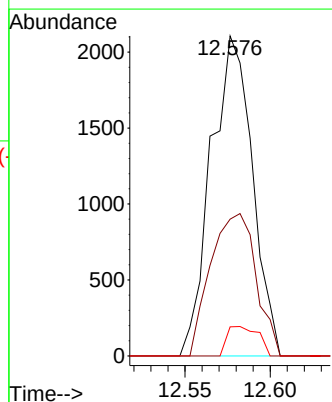
Manual Integrations
APPROVED

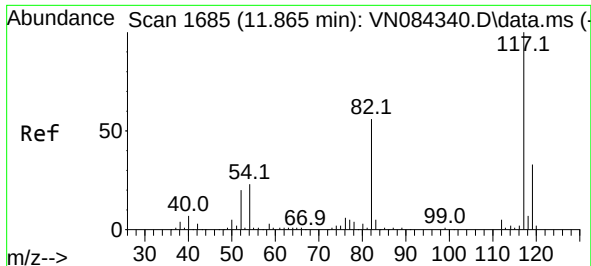
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#56
Bromoform
Concen: 2.492 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

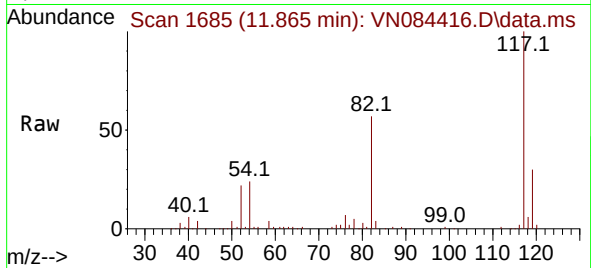
Tgt Ion:173 Resp: 3554
Ion Ratio Lower Upper
173 100
175 49.0 39.4 59.2
254 7.0 6.8 10.2





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

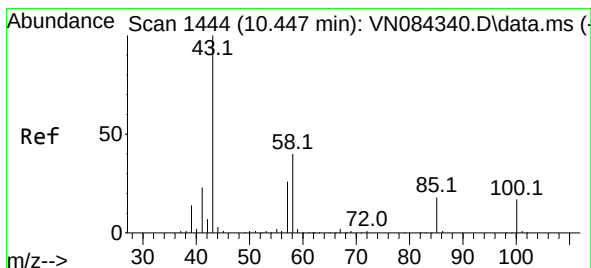
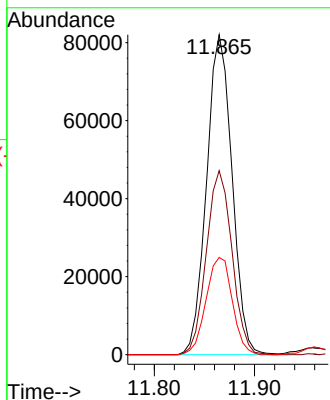
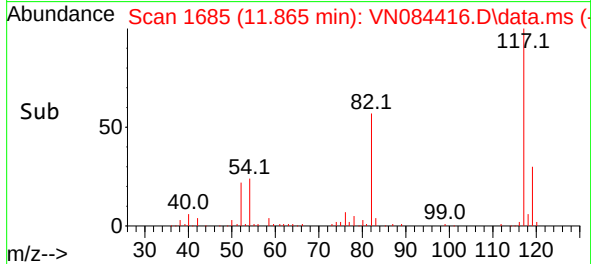
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



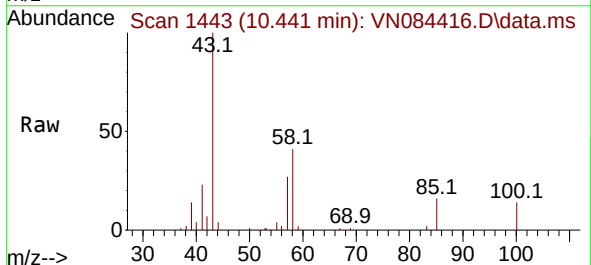
Tgt Ion: 117 Resp: 145162
Ion Ratio Lower Upper
117 100
82 57.9 46.2 69.4
119 31.3 25.4 38.2

Manual Integrations
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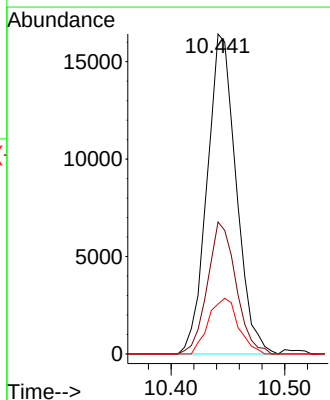
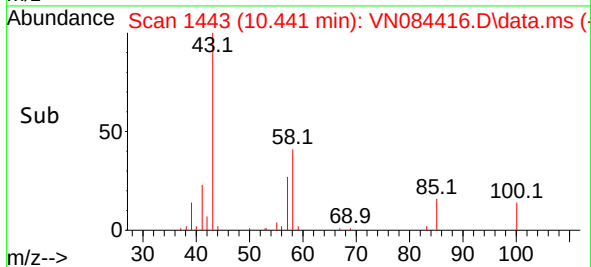
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024

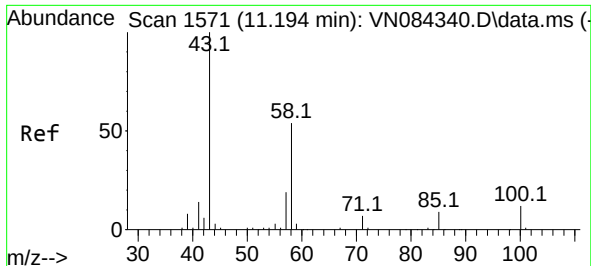


#58
4-Methyl-2-Pentanone
Concen: 10.802 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27



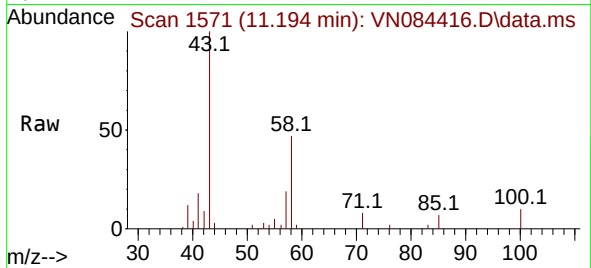
Tgt Ion: 43 Resp: 29210
Ion Ratio Lower Upper
43 100
58 40.4 31.9 47.9
85 17.9 14.6 22.0





#59
2-Hexanone
Concen: 11.157 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

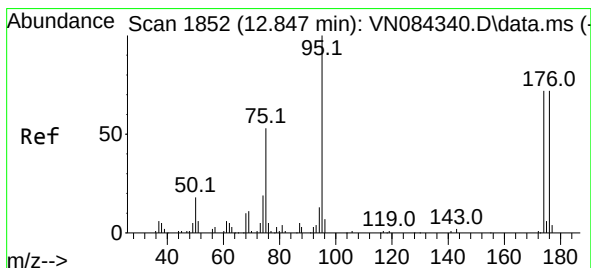
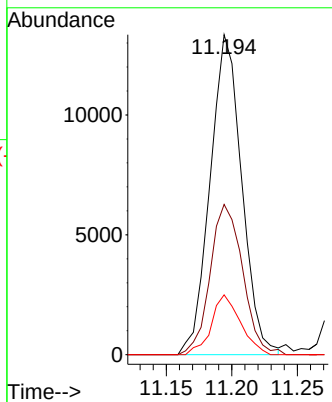
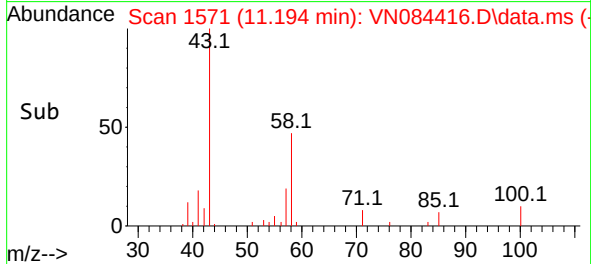
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion: 43 Resp: 22419
Ion Ratio Lower Upper
43 100
58 48.2 44.0 66.0
57 17.2 15.4 23.2

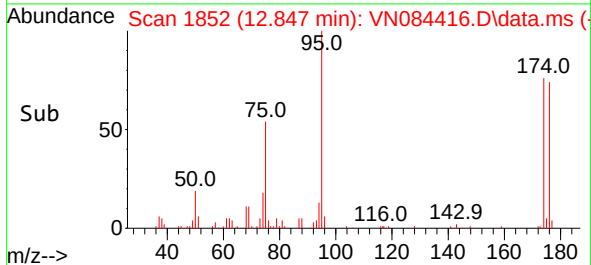
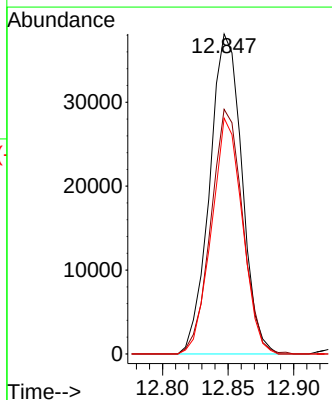
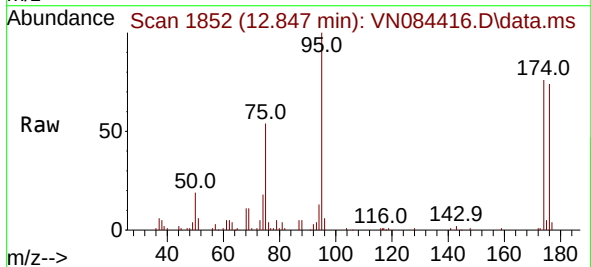
Manual Integrations
APPROVED

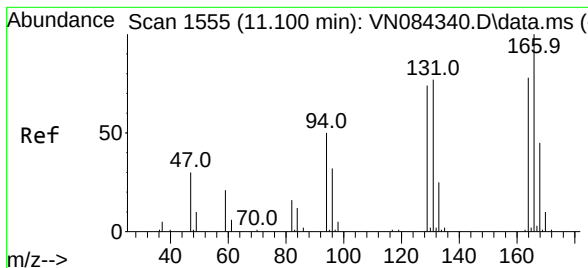
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#60
4-Bromofluorobenzene
Concen: 27.210 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

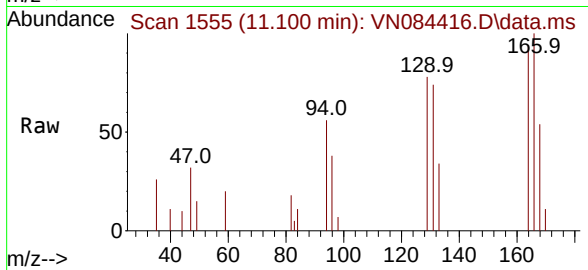
Tgt Ion: 95 Resp: 65188
Ion Ratio Lower Upper
95 100
174 75.6 58.2 87.2
176 70.6 56.4 84.6





#61
Tetrachloroethene
Concen: 2.616 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

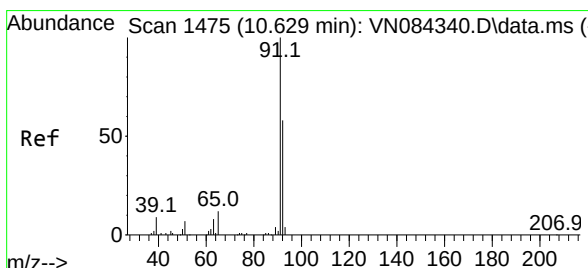
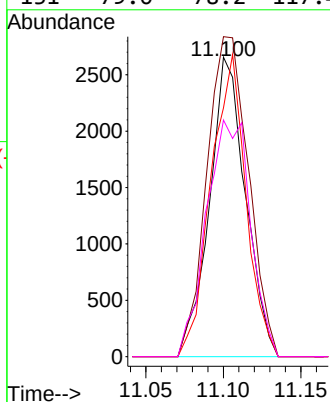
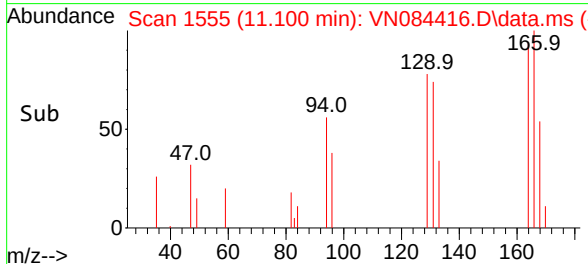
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



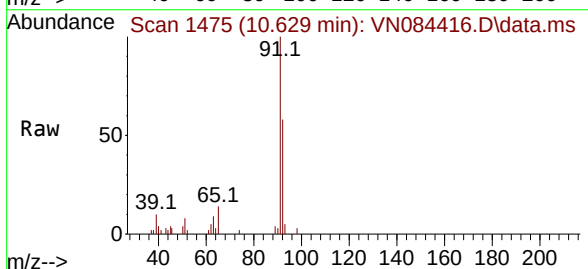
Tgt Ion:164 Resp: 4290
Ion Ratio Lower Upper
164 100
166 106.9 102.5 153.7
129 83.1 75.7 113.5
131 79.0 78.2 117.4

Manual Integrations
APPROVED

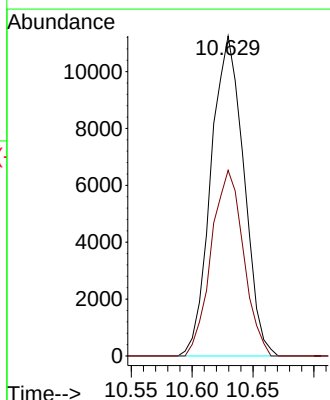
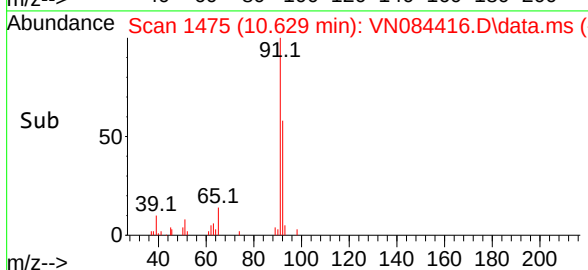
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024

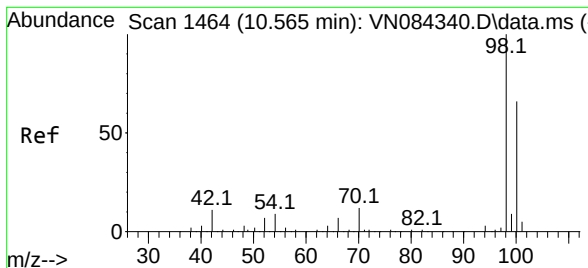


#62
Toluene
Concen: 2.483 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27



Tgt Ion: 91 Resp: 21098
Ion Ratio Lower Upper
91 100
92 57.0 47.2 70.8





#63

Toluene-d8

Concen: 30.378 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN084416.D

Acq: 15 Oct 2024 15:27

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2024

Tgt Ion: 98 Resp: 20428

Ion Ratio Lower Upper

98 100

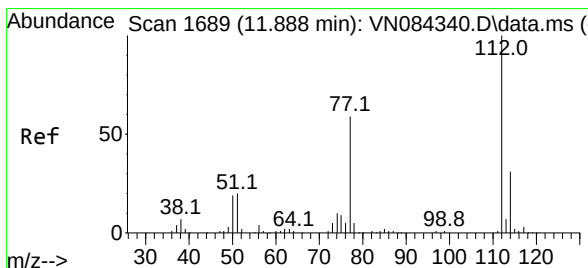
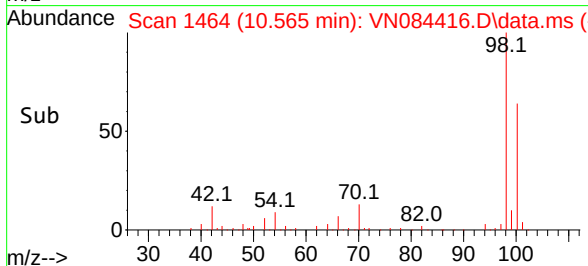
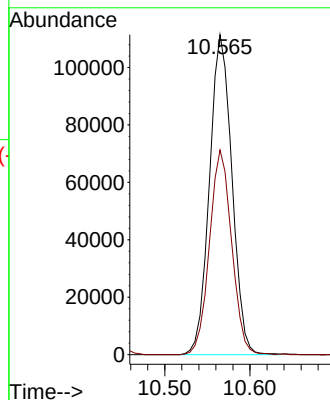
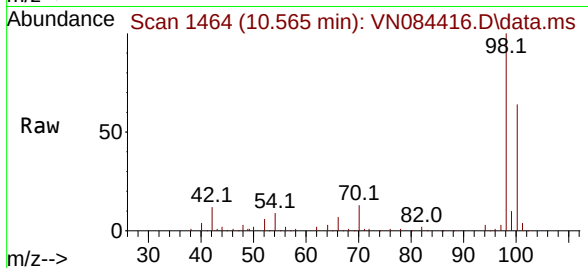
100 63.1 52.5 78.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/16/2024

Supervised By :Mahesh Dadoda 10/16/2024



#64

Chlorobenzene

Concen: 2.548 ug/l

RT: 11.888 min Scan# 1689

Delta R.T. 0.000 min

Lab File: VN084416.D

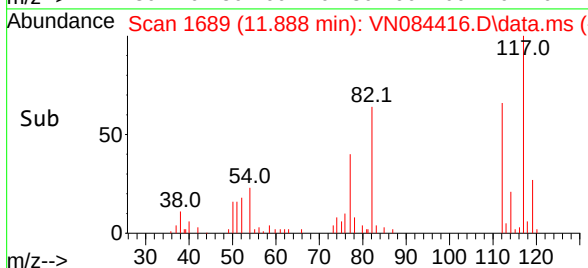
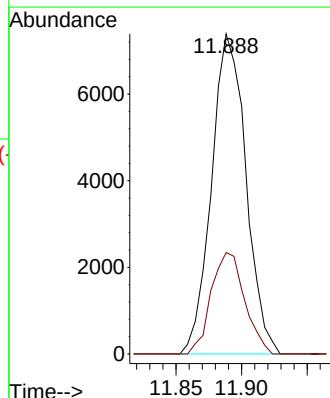
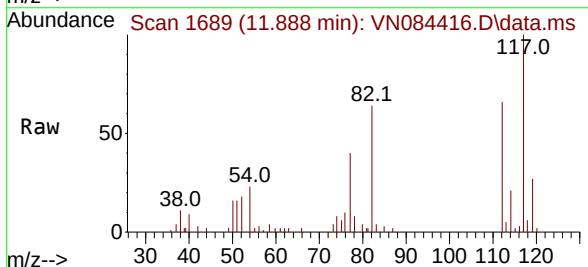
Acq: 15 Oct 2024 15:27

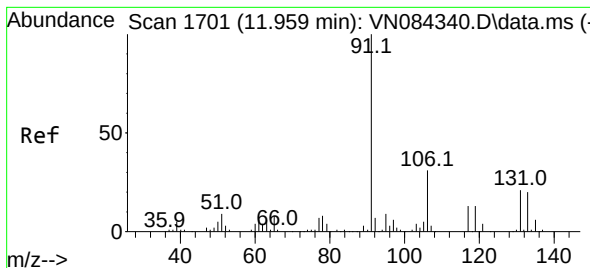
Tgt Ion:112 Resp: 13476

Ion Ratio Lower Upper

112 100

114 31.7 25.1 37.7





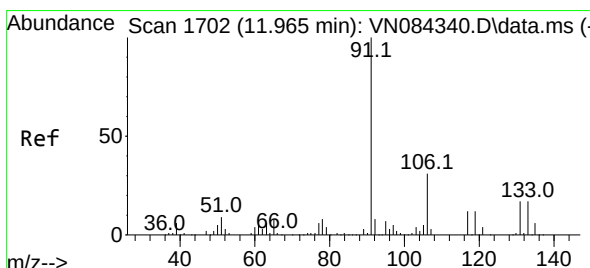
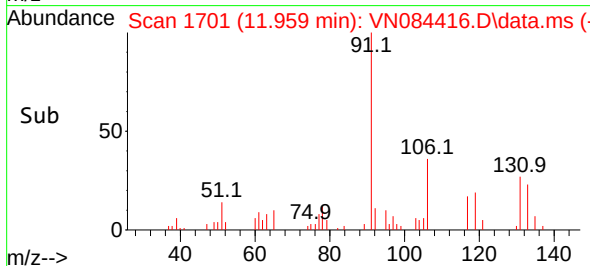
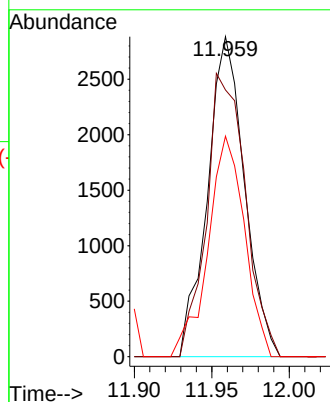
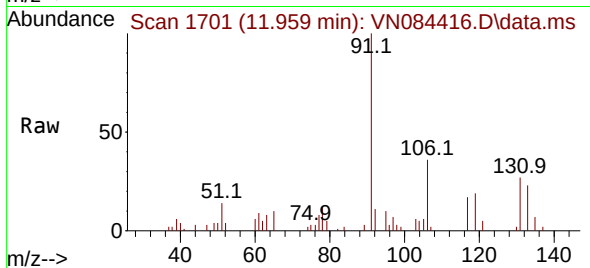
#65
1,1,1,2-Tetrachloroethane
Concen: 2.608 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion:131 Resp: 479
Ion Ratio Lower Upper
131 100
133 93.1 0.0 190.4
119 67.7 0.0 130.0

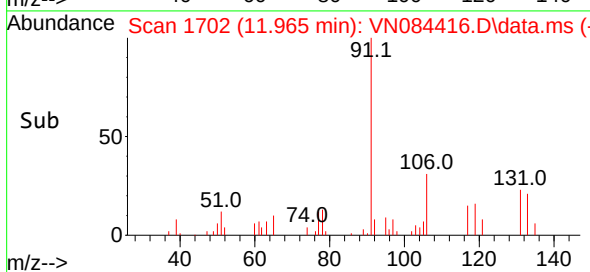
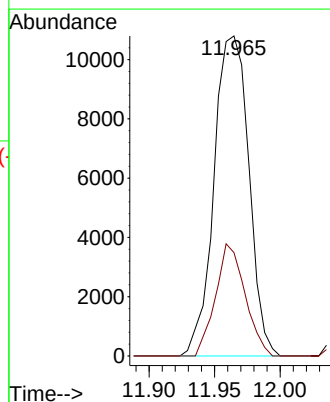
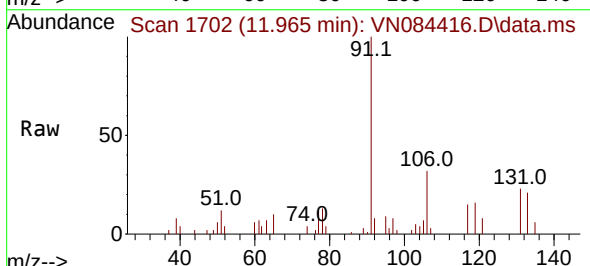
Manual Integrations
APPROVED

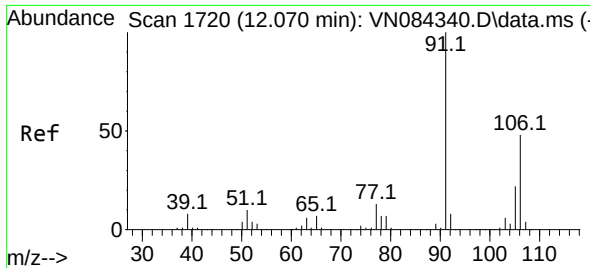
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#66
Ethyl Benzene
Concen: 2.162 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Tgt Ion: 91 Resp: 19958
Ion Ratio Lower Upper
91 100
106 32.3 25.2 37.8





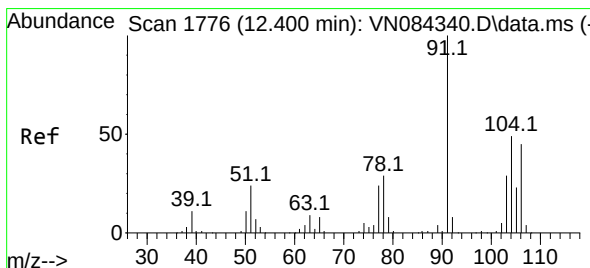
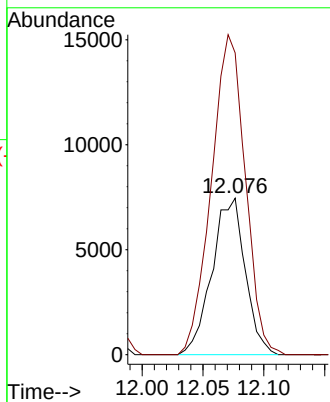
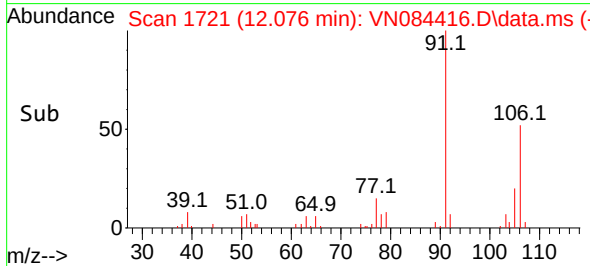
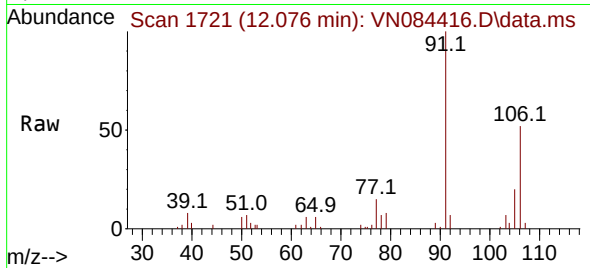
#67
m/p-Xylenes
Concen: 4.048 ug/l
RT: 12.076 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion:106 Resp: 14178
Ion Ratio Lower Upper
106 100
91 208.6 166.7 250.1

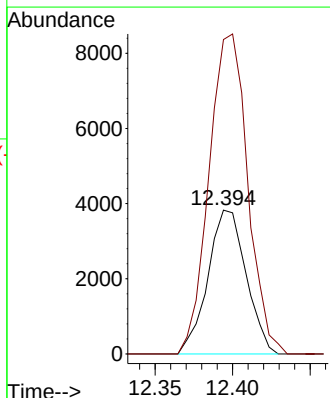
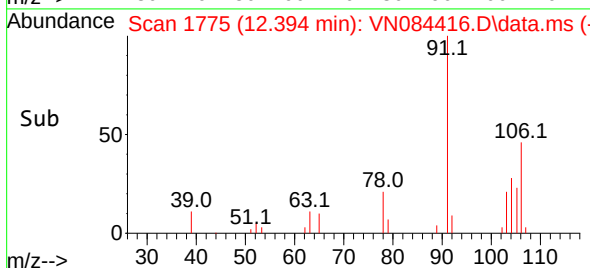
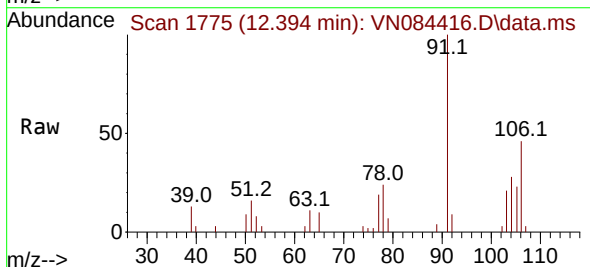
Manual Integrations
APPROVED

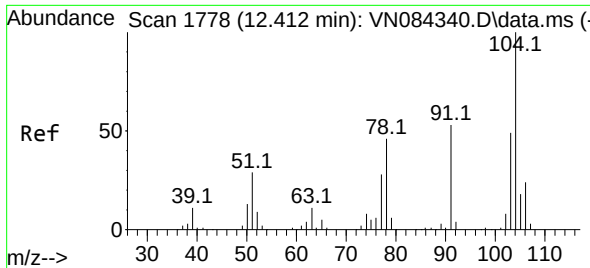
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#68
o-Xylene
Concen: 1.945 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Tgt Ion:106 Resp: 6568
Ion Ratio Lower Upper
106 100
91 225.0 110.9 332.9





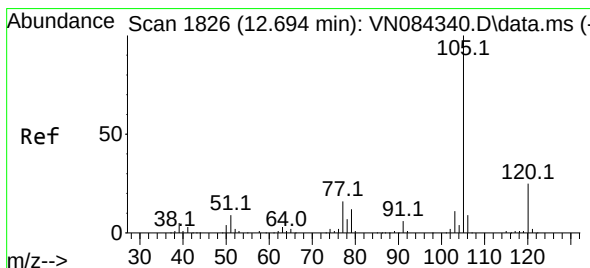
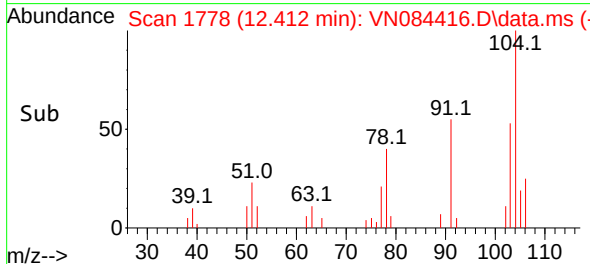
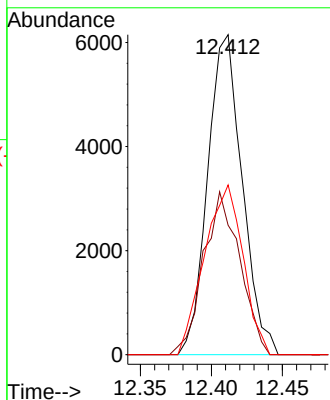
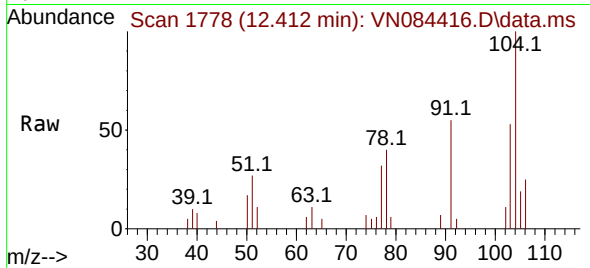
#69
Styrene
Concen: 1.799 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion:104 Resp: 1042
Ion Ratio Lower Upper
104 100
78 53.3 41.6 62.4
103 59.1 44.4 66.6

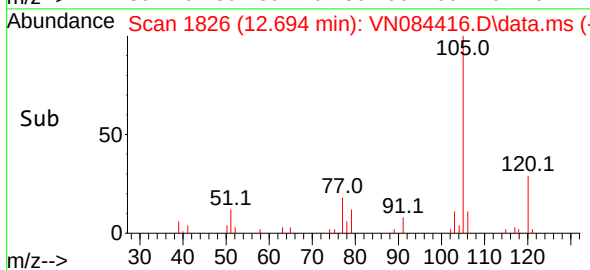
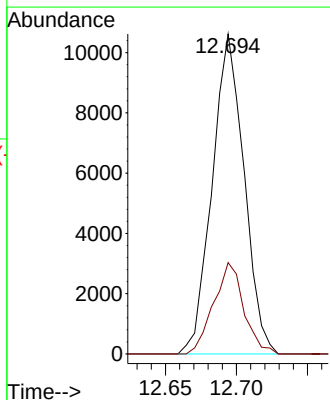
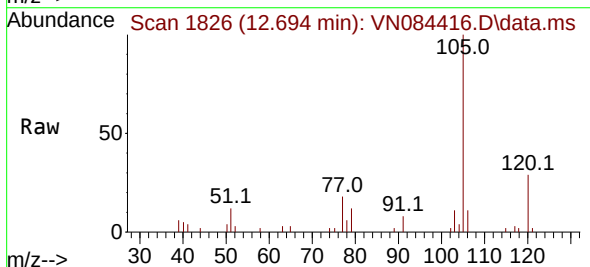
Manual Integrations
APPROVED

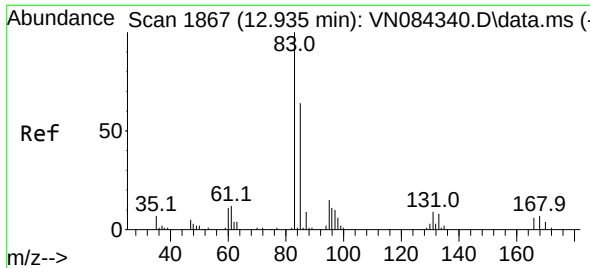
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#70
Isopropylbenzene
Concen: 1.919 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

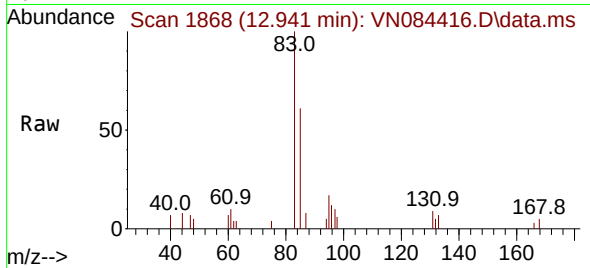
Tgt Ion:105 Resp: 16540
Ion Ratio Lower Upper
105 100
120 27.0 17.4 32.4





#71
1,1,2,2-Tetrachloroethane
Concen: 2.702 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

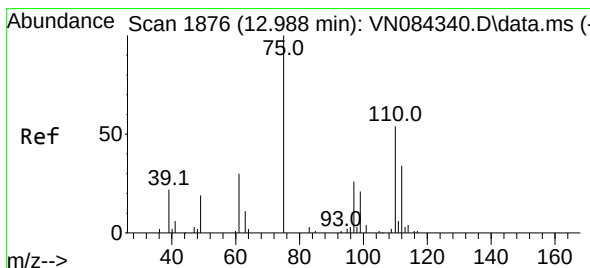
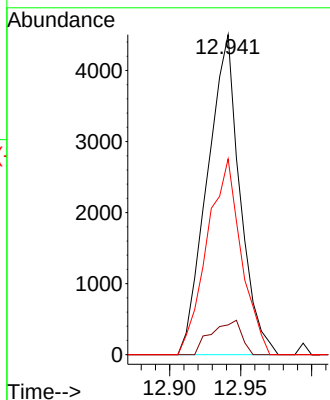
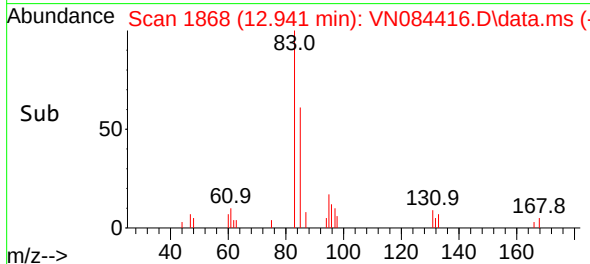
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024



Tgt Ion: 83 Resp: 7204
Ion Ratio Lower Upper
83 100
131 9.9 5.1 15.3
85 64.1 32.0 96.2

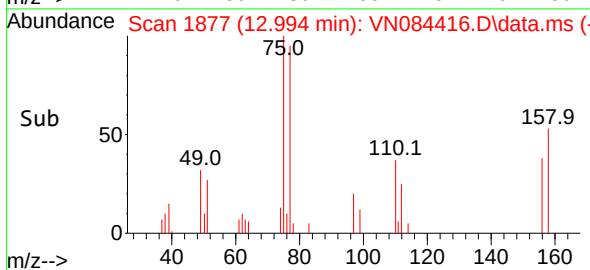
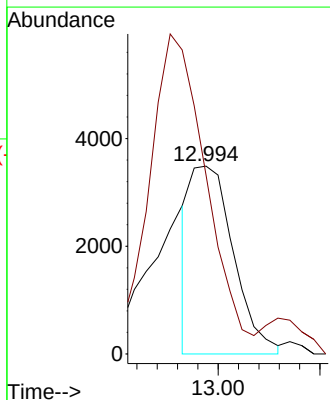
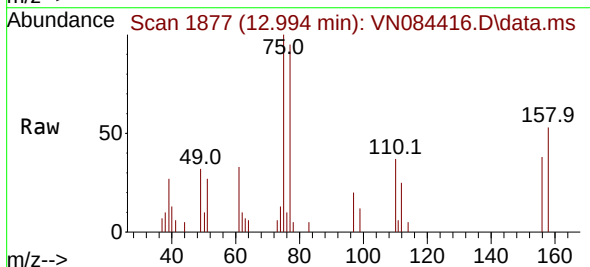
Manual Integrations
APPROVED

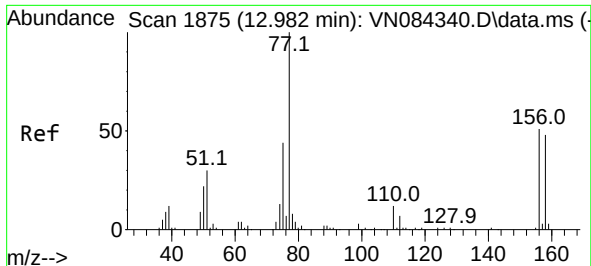
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#72
1,2,3-Trichloropropane
Concen: 2.248 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

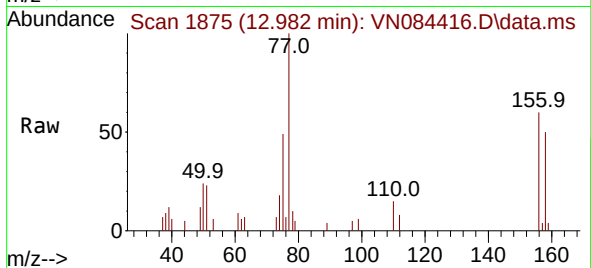
Tgt Ion: 75 Resp: 5134
Ion Ratio Lower Upper
75 100
77 226.8 0.0 414.0





#73
Bromobenzene
Concen: 2.408 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

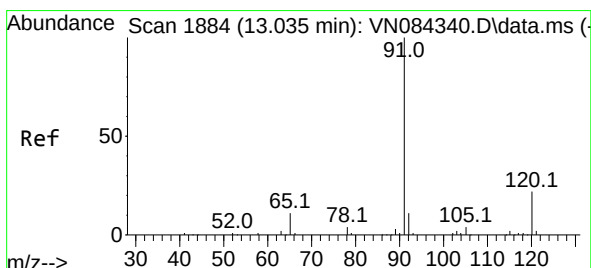
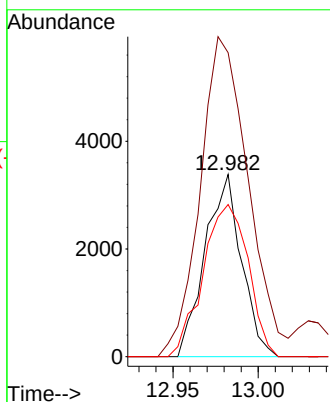
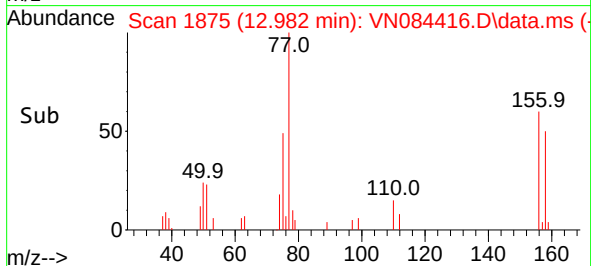
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion:156 Resp: 5020
Ion Ratio Lower Upper
156 100
77 231.7 0.0 451.0
158 103.7 0.0 194.6

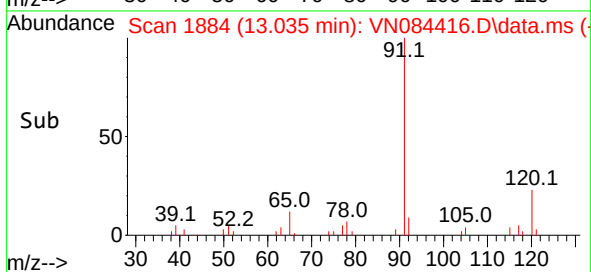
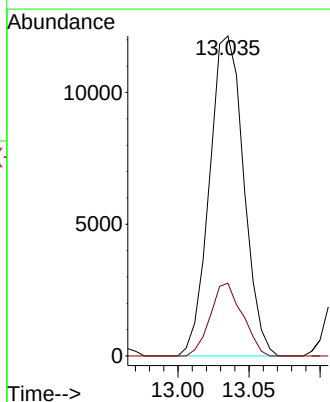
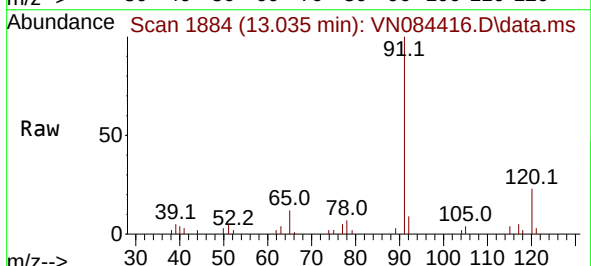
Manual Integrations
APPROVED

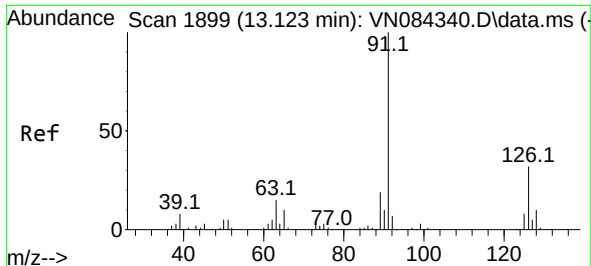
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#74
n-propylbenzene
Concen: 1.982 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Tgt Ion: 91 Resp: 20360
Ion Ratio Lower Upper
91 100
120 21.3 0.0 43.2





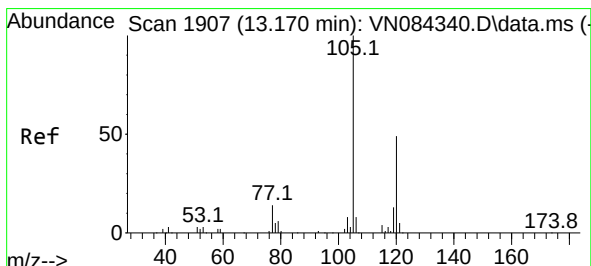
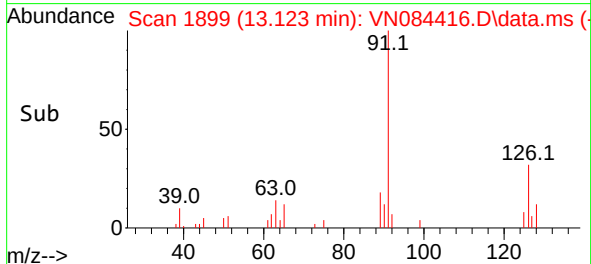
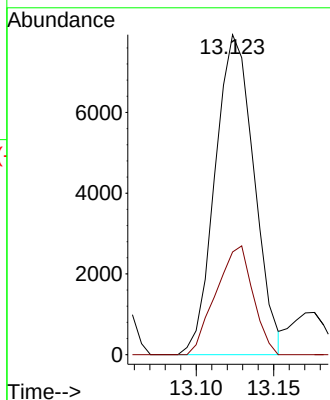
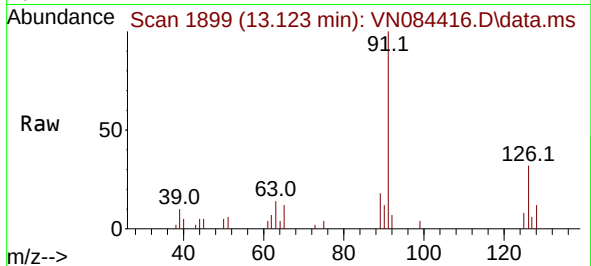
#75
2-Chlorotoluene
Concen: 2.168 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 91 Resp: 13830
Ion Ratio Lower Upper
91 100
126 32.3 0.0 64.0

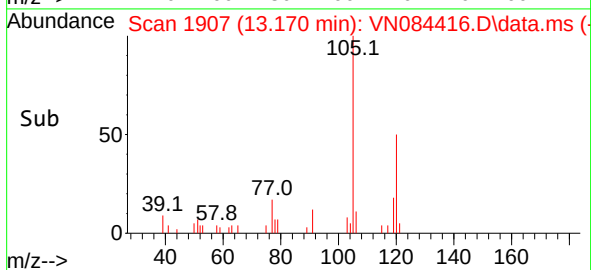
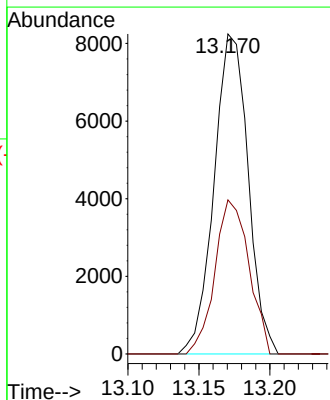
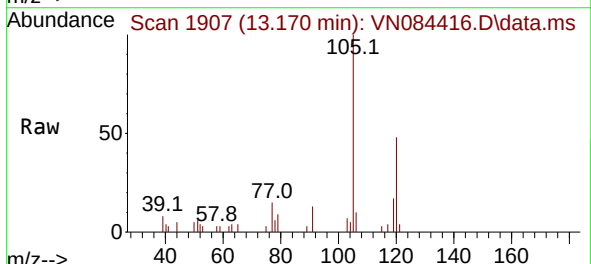
Manual Integrations
APPROVED

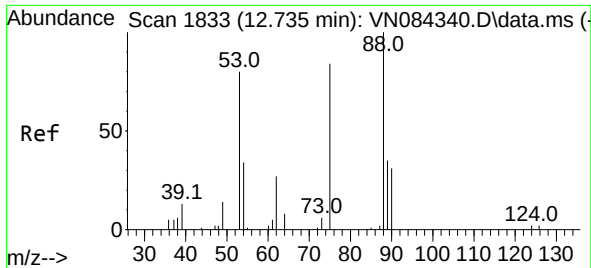
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#76
1,3,5-Trimethylbenzene
Concen: 1.893 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

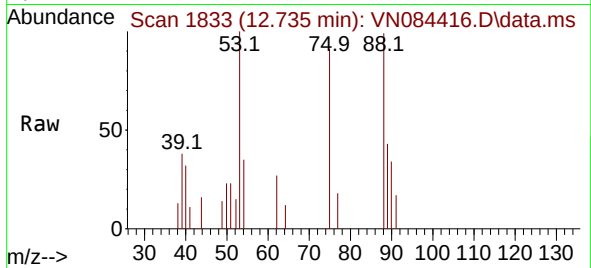
Tgt Ion:105 Resp: 13739
Ion Ratio Lower Upper
105 100
120 48.1 0.0 94.4





#77
t-1,4-Dichloro-2-butene
Concen: 2.132 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

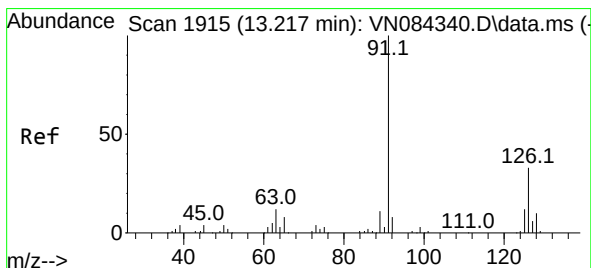
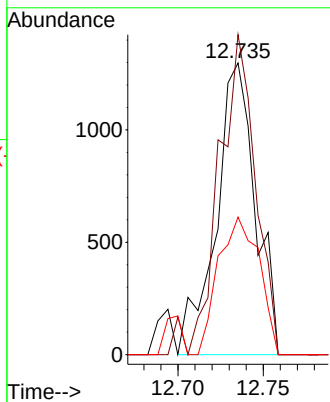
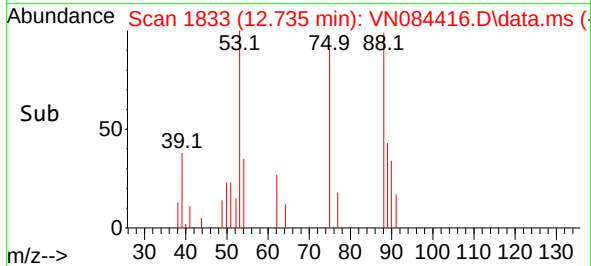
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024



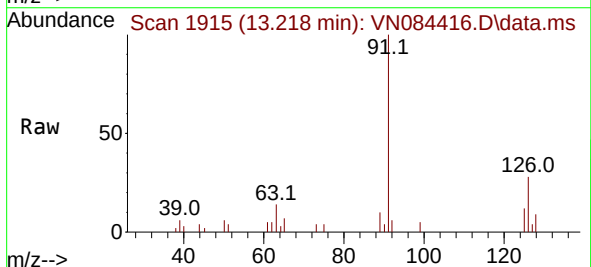
Tgt Ion: 75 Resp: 2080
Ion Ratio Lower Upper
75 100
53 109.7 47.3 142.0
89 47.1 22.9 68.8

Manual Integrations
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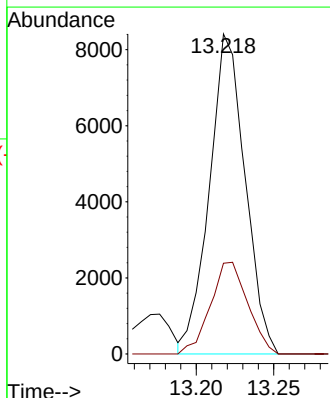
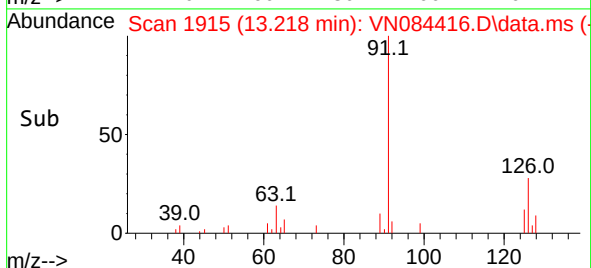
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024

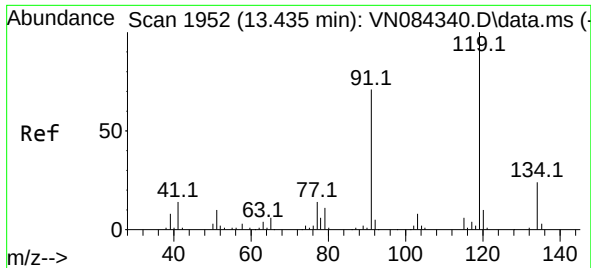


#78
4-Chlorotoluene
Concen: 2.072 ug/l
RT: 13.218 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27



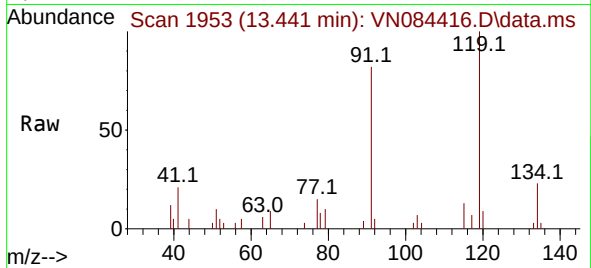
Tgt Ion: 91 Resp: 13443
Ion Ratio Lower Upper
91 100
126 30.0 0.0 62.4





#79
tert-butylbenzene
Concen: 1.915 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

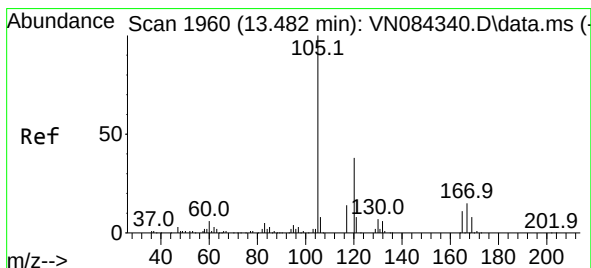
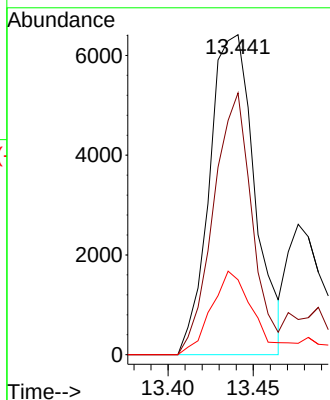
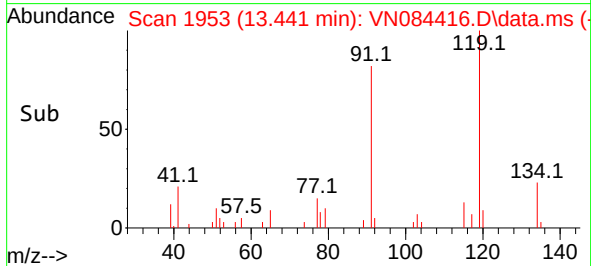
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



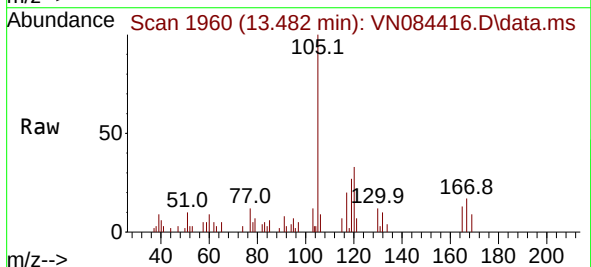
Tgt Ion:119 Resp: 11850
Ion Ratio Lower Upper
119 100
91 70.1 0.0 138.0
134 23.6 0.0 48.8

Manual Integrations
APPROVED

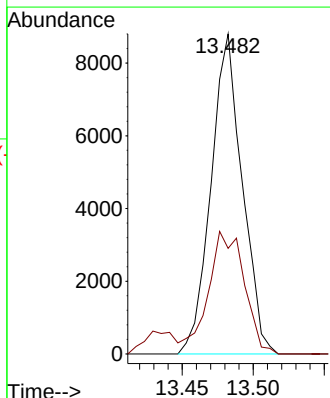
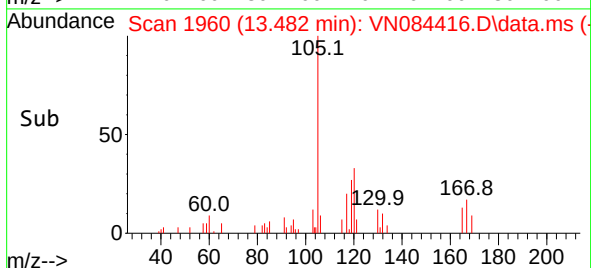
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024

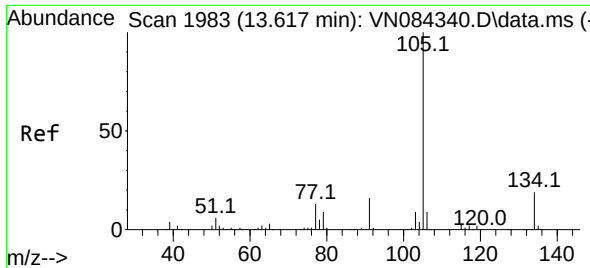


#80
1,2,4-Trimethylbenzene
Concen: 1.827 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27



Tgt Ion:105 Resp: 13454
Ion Ratio Lower Upper
105 100
120 44.2 0.0 88.8





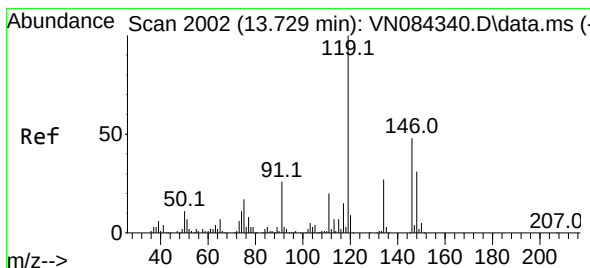
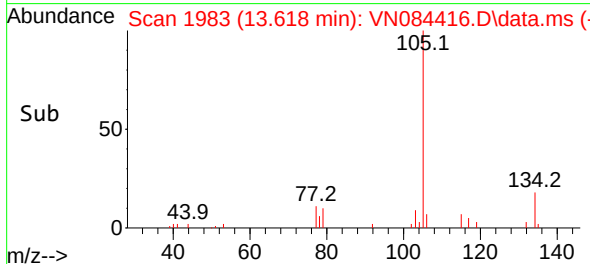
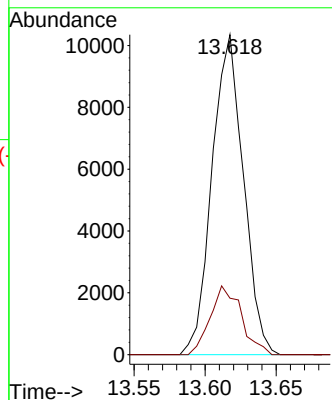
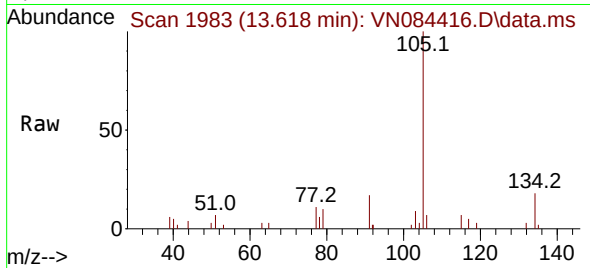
#81
 sec-Butylbenzene
 Concen: 1.867 ug/l
 RT: 13.618 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN084416.D
 Acq: 15 Oct 2024 15:27

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2024

Tgt Ion:105 Resp: 1591
 Ion Ratio Lower Upper
 105 100
 134 21.3 0.0 38.0

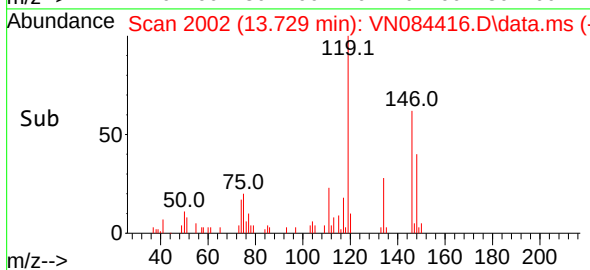
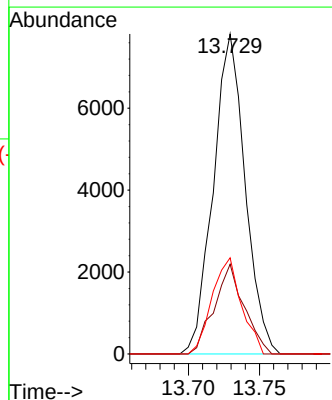
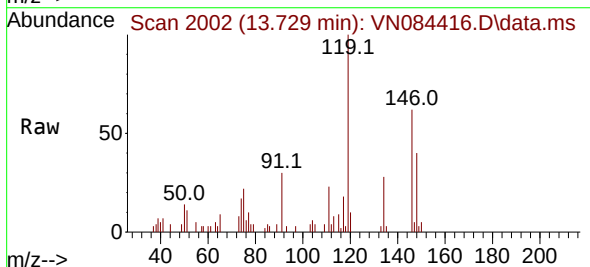
Manual Integrations
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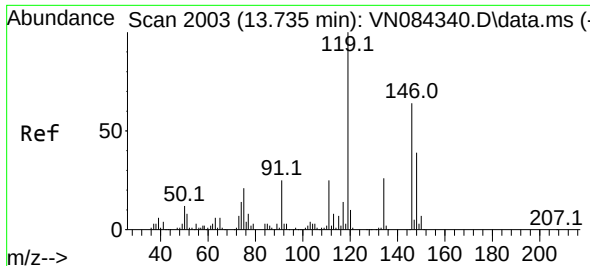
Reviewed By :John Carlone 10/16/2024
 Supervised By :Mahesh Dadoda 10/16/2024



#82
 p-Isopropyltoluene
 Concen: 1.698 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN084416.D
 Acq: 15 Oct 2024 15:27

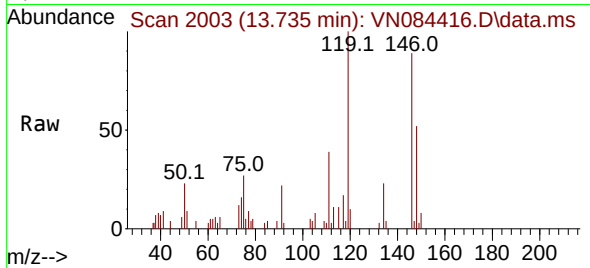
Tgt Ion:119 Resp: 12181
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 50.2
 91 27.7 0.0 50.6





#83
1,3-Dichlorobenzene
Concen: 2.193 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

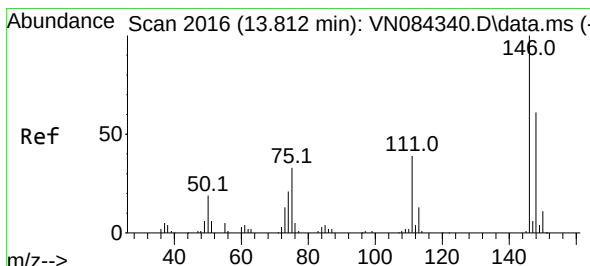
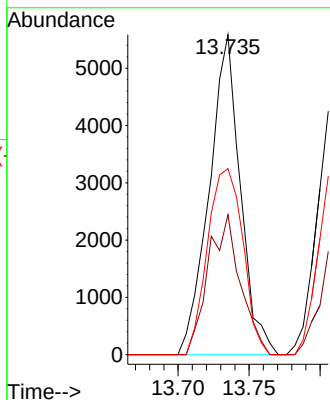
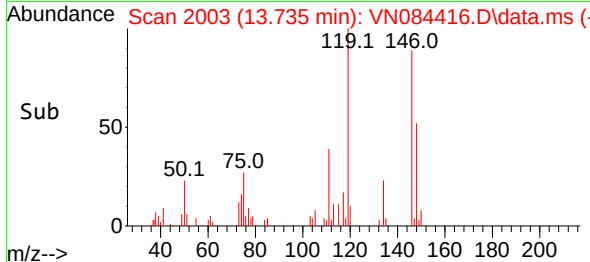
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



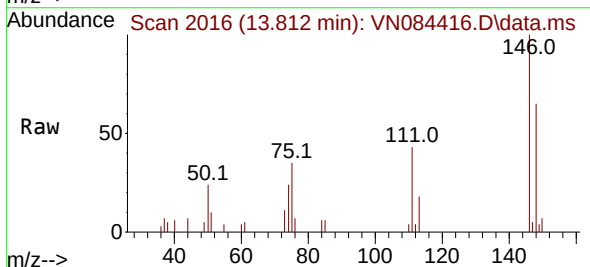
Tgt Ion:146 Resp: 8510
Ion Ratio Lower Upper
146 100
111 45.3 20.6 61.9
148 66.0 31.6 94.7

Manual Integrations
APPROVED

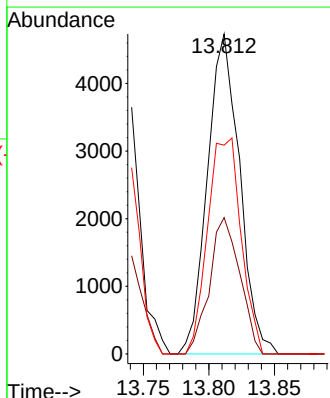
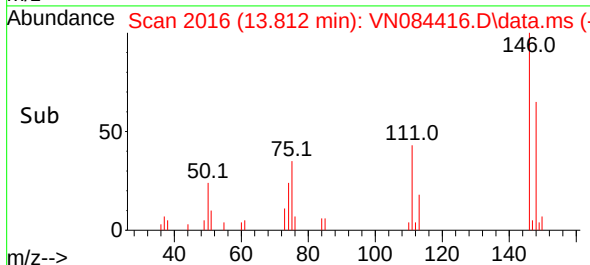
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024

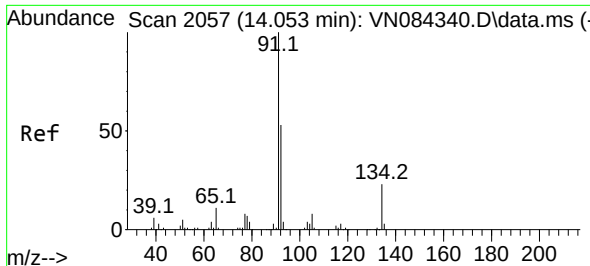


#84
1,4-Dichlorobenzene
Concen: 2.097 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27



Tgt Ion:146 Resp: 8081
Ion Ratio Lower Upper
146 100
111 40.2 20.5 61.5
148 70.1 32.5 97.4





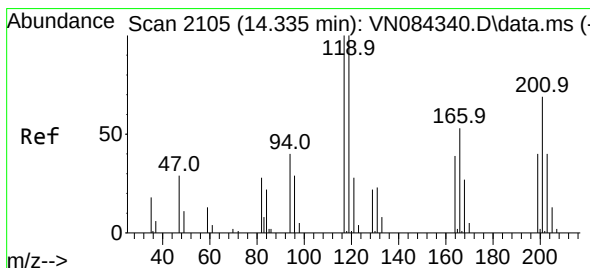
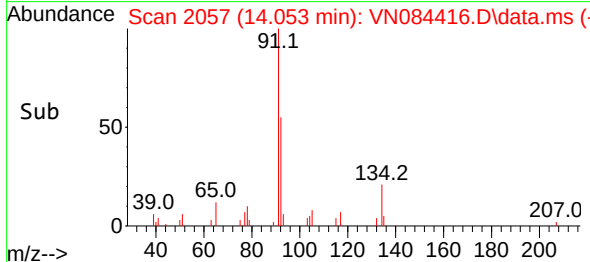
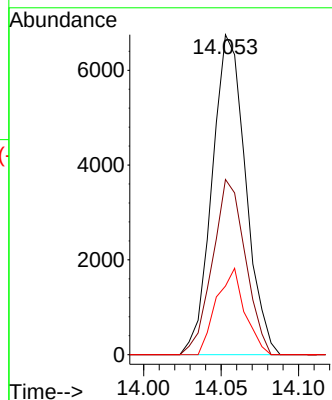
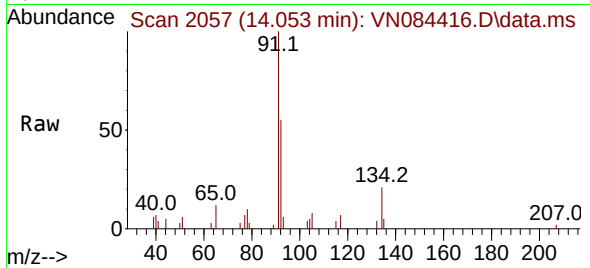
#85
n-Butylbenzene
Concen: 1.633 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024

Tgt Ion: 91 Resp: 10140
Ion Ratio Lower Upper
91 100
92 53.7 0.0 103.4
134 22.9 0.0 48.0

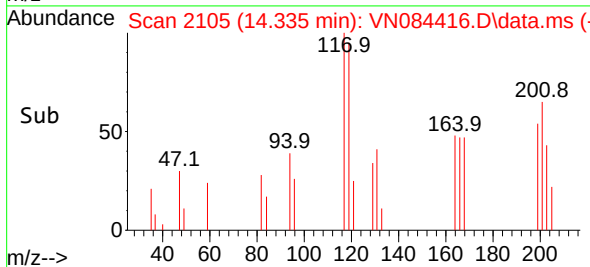
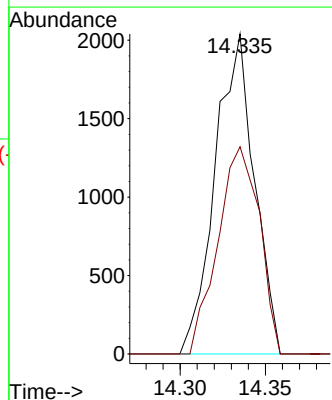
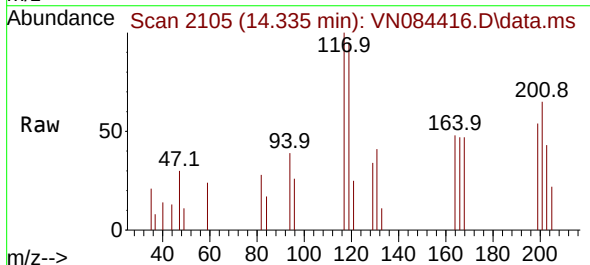
Manual Integrations
APPROVED

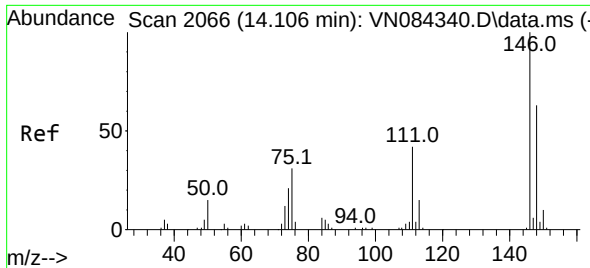
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#86
Hexachloroethane
Concen: 2.359 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

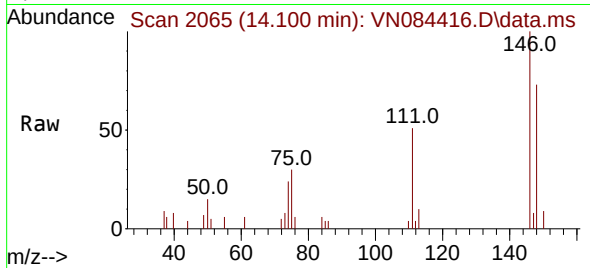
Tgt Ion:117 Resp: 3260
Ion Ratio Lower Upper
117 100
201 68.7 33.9 101.6





#87
1,2-Dichlorobenzene
Concen: 2.087 ug/l
RT: 14.100 min Scan# 2066
Delta R.T. -0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

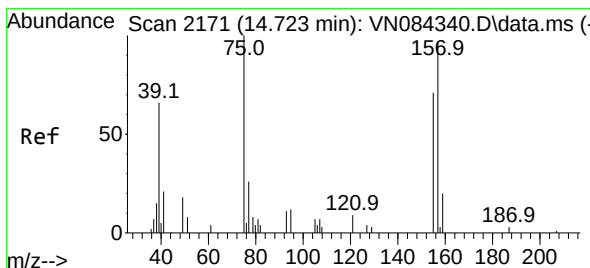
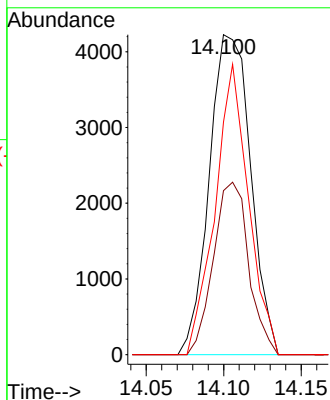
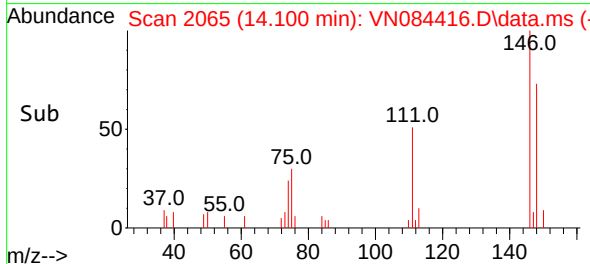
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2024



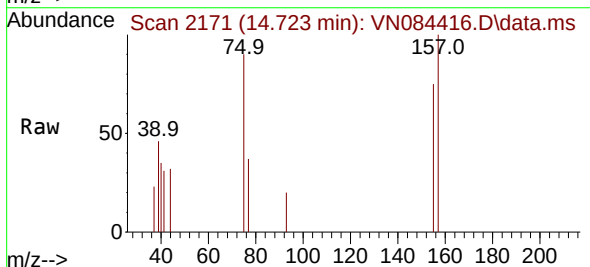
Tgt Ion:146 Resp: 783
Ion Ratio Lower Upper
146 100
111 46.0 21.9 65.5
148 73.4 31.1 93.5

Manual Integrations
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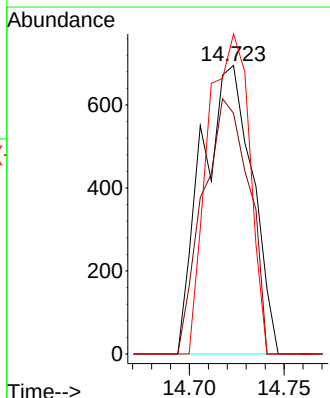
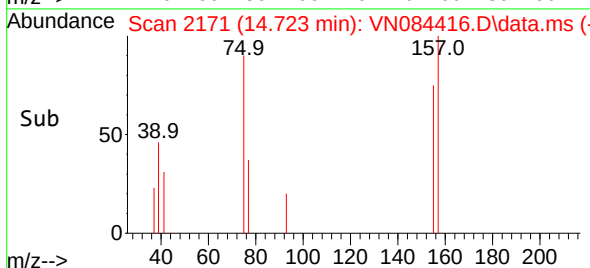
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024

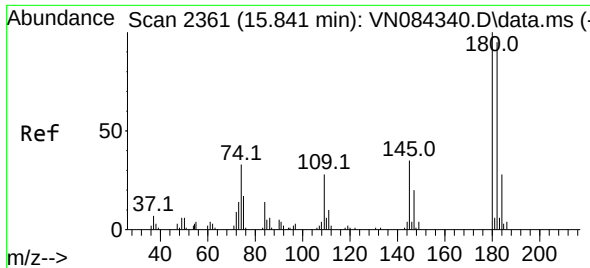


#88
1,2-Dibromo-3-Chloropropane
Concen: 2.357 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27



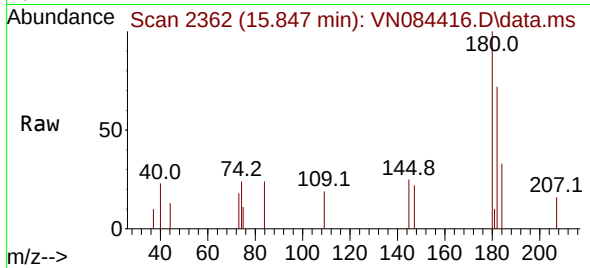
Tgt Ion: 75 Resp: 1285
Ion Ratio Lower Upper
75 100
155 81.2 61.8 92.8
157 91.5 77.4 116.0





#89
1,2,4-Trichlorobenzene
Concen: 1.862 ug/l
RT: 15.847 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

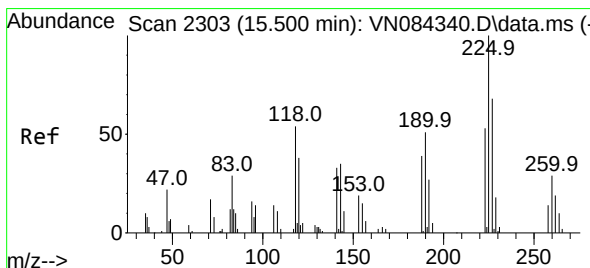
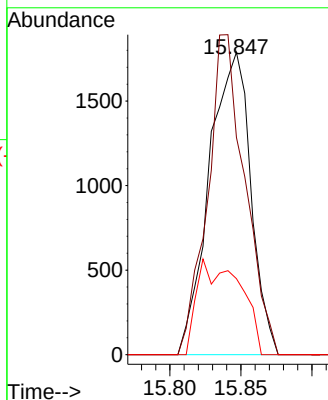
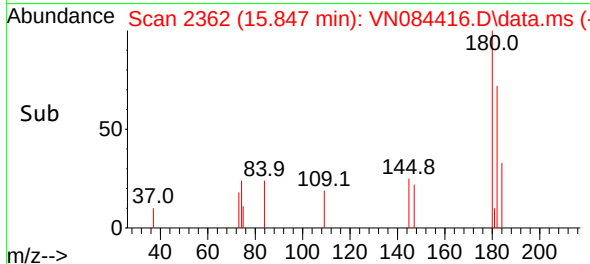
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion:180 Resp: 363
Ion Ratio Lower Upper
180 100
182 95.5 77.8 116.6
145 20.2 28.9 43.3

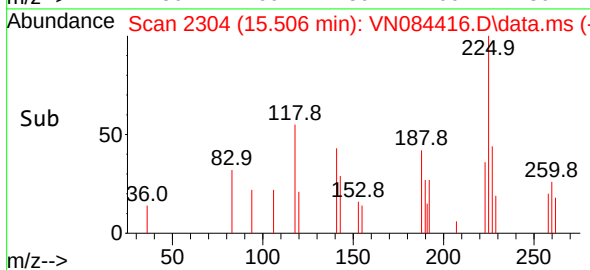
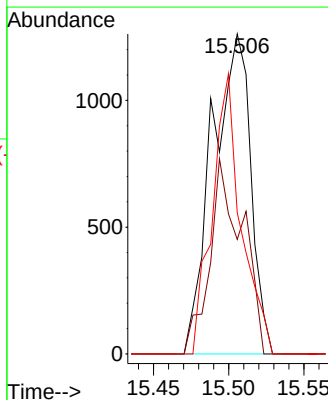
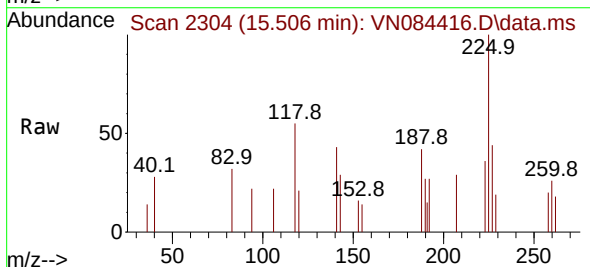
Manual Integrations
APPROVED

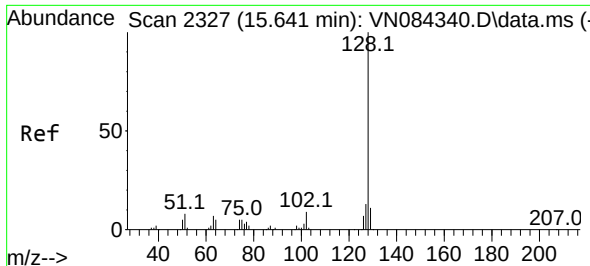
Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#90
Hexachlorobutadiene
Concen: 2.496 ug/l m
RT: 15.506 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

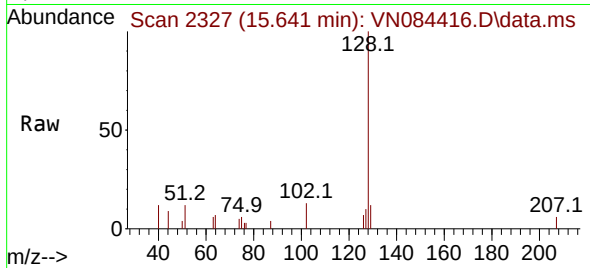
Tgt Ion:225 Resp: 2253
Ion Ratio Lower Upper
225 100
223 13.3 0.0 124.0
227 65.4 0.0 130.8





#91
Naphthalene
Concen: 1.455 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

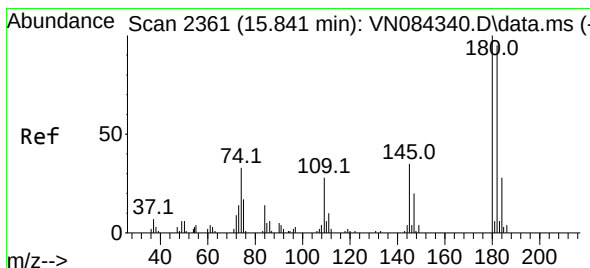
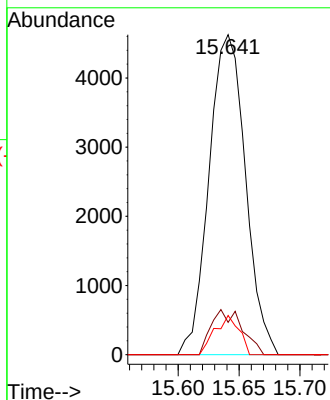
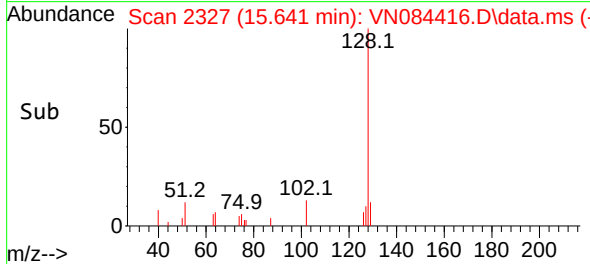
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2024



Tgt Ion:128 Resp: 962
Ion Ratio Lower Upper
128 100
127 12.0 10.3 15.5
129 8.1 8.8 13.2

Manual Integrations
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Reviewed By :John Carlone 10/16/2024
Supervised By :Mahesh Dadoda 10/16/2024



#92
1,2,3-Trichlorobenzene
Concen: 1.862 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN084416.D
Acq: 15 Oct 2024 15:27

Tgt Ion:180 Resp: 3633
Ion Ratio Lower Upper
180 100
182 95.5 0.0 194.4
145 20.2 0.0 72.2

