

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101322\
 Data File : VN074894.D
 Acq On : 13 Oct 2022 14:01
 Operator : JC\MD
 Sample : N4955-09 4.0 MDL
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Oct 14 05:04:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N101222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Oct 13 07:52:24 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	7.830	128	72737	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	416378	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.871	117	368399	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.588	65	211207	31.015	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.400%
60) 4-Bromofluorobenzene	12.853	95	171869	26.307	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.700%
63) Toluene-d8	10.571	98	669477	31.487	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.967%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.148	85	22661	5.610	ug/l	97
3) Chloromethane	2.383	50	36546m	5.595	ug/l	
4) Vinyl Chloride	2.530	62	49860	5.183	ug/l	92
5) Bromomethane	2.948	94	38229	5.012	ug/l	87
6) Chloroethane	3.130	64	42189m	5.848	ug/l	
7) Trichlorofluoromethane	3.512	101	34021	4.744	ug/l	85
8) Diethyl Ether	3.977	74	17734	5.303	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.389	101	24615m	5.455	ug/l	
10) 1,1-Dichloroethene	4.359	96	19811	4.463	ug/l	87
11) Methyl Iodide	4.624	142	23505m	4.242	ug/l	
12) Methyl Acetate	5.059	43	48089	4.495	ug/l	99
13) Acrolein	4.212	56	26015m	17.209	ug/l	
14) Acrylonitrile	5.747	53	89200	22.353	ug/l	67
15) Acetone	4.453	58	28142	25.731	ug/l	89
16) Carbon Disulfide	4.730	76	50696	4.445	ug/l	100
17) Allyl chloride	5.048	41	40018m	4.528	ug/l	
18) Methylene Chloride	5.306	84	30724m	5.338	ug/l	
19) trans-1,2-Dichloroethene	5.795	96	24096m	4.945	ug/l	
20) Diisopropyl ether	6.689	45	87484	4.240	ug/l #	85
21) 1,1-Dichloroethane	6.577	63	48563m	4.627	ug/l	
22) cis-1,2-Dichloroethene	7.494	96	28665	4.698	ug/l #	69
23) tert-Butyl Alcohol	5.559	59	44453m	26.437	ug/l	
24) Methyl tert-Butyl Ether	5.824	73	85226m	4.597	ug/l	
25) Chloroform	7.983	83	44052	4.226	ug/l	98
26) Cyclohexane	8.265	56	40724	4.417	ug/l #	99
29) 1,1-Dichloropropene	8.383	75	32960	4.387	ug/l	96
30) 2-Butanone	7.506	43	129580	21.617	ug/l #	97
31) 2,2-Dichloropropane	7.512	77	45488m	4.946	ug/l	
32) 1,1,1-Trichloroethane	8.183	97	38133	4.232	ug/l #	71
33) Carbon Tetrachloride	8.377	117	29028	3.923	ug/l #	86
34) Benzene	8.618	78	111230	4.479	ug/l #	90
35) Methacrylonitrile	7.783	41	25153m	4.083	ug/l	
36) 1,2-Dichloroethane	8.677	62	36886	4.460	ug/l #	88
37) Trichloroethene	9.359	130	22834	4.421	ug/l	85
38) Methylcyclohexane	9.600	83	40027	4.386	ug/l	99
39) 1,2-Dichloropropane	9.630	63	29351	4.559	ug/l #	81
40) Dibromomethane	9.712	93	19220	4.505	ug/l	98
41) Bromodichloromethane	9.888	83	37384	4.500	ug/l #	92
42) Vinyl Acetate	6.624	43	380005m	21.282	ug/l	

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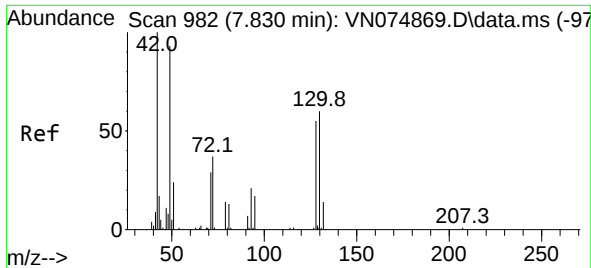
Quant Time: Oct 14 05:04:55 2022
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Reviewed By :John Carlone 10/14/2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.577	43	52817m	4.532	ug/l	
44) Isopropyl Acetate	8.694	43	74131	4.113	ug/l	97
45) 1,4-Dioxane	9.700	88	13313	80.557	ug/l #	85
46) Methyl methacrylate	9.682	41	26086	3.342	ug/l	95
47) n-amyl Acetate	12.494	43	57462	3.644	ug/l	95
48) t-1,3-Dichloropropene	10.841	75	37619	3.947	ug/l	95
49) cis-1,3-Dichloropropene	10.318	75	42122	4.167	ug/l	98
50) 1,1,2-Trichloroethane	11.018	97	25367	4.041	ug/l #	89
51) Ethyl methacrylate	10.877	69	40868	3.828	ug/l	90
52) 1,3-Dichloropropane	11.171	76	45943	4.240	ug/l	98
53) Dibromochloromethane	11.359	129	25089	4.079	ug/l	94
54) 1,2-Dibromoethane	11.471	107	27465	4.554	ug/l	97
55) 2-Chloroethyl vinyl ether	10.165	63	71979	17.238	ug/l	96
56) Bromoform	12.582	173	16289	3.675	ug/l	94
58) 4-Methyl-2-Pentanone	10.453	43	243729	21.273	ug/l	93
59) 2-Hexanone	11.200	43	183624	20.825	ug/l	94
61) Tetrachloroethene	11.106	164	18617	4.740	ug/l	91
62) Toluene	10.635	91	114532	4.500	ug/l	96
64) Chlorobenzene	11.900	112	67075	4.636	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.965	131	24489	4.494	ug/l	96
66) Ethyl Benzene	11.965	91	114351	4.132	ug/l	93
67) m/p-Xylenes	12.071	106	87948	8.459	ug/l	94
68) o-Xylene	12.400	106	40306	3.814	ug/l	93
69) Styrene	12.418	104	64211	3.712	ug/l	97
70) Isopropylbenzene	12.694	105	111162	4.078	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.941	83	45052	4.418	ug/l	97
72) 1,2,3-Trichloropropane	13.000	75	37268m	4.351	ug/l	
73) Bromobenzene	12.982	156	25731	4.505	ug/l	85
74) n-propylbenzene	13.035	91	118724	3.736	ug/l	98
75) 2-Chlorotoluene	13.129	91	69235	3.724	ug/l	97
76) 1,3,5-Trimethylbenzene	13.176	105	90246	4.074	ug/l	98
77) t-1,4-Dichloro-2-butene	12.741	75	11208	3.149	ug/l	85
78) 4-Chlorotoluene	13.223	91	67477	3.803	ug/l	96
79) tert-butylbenzene	13.441	119	82815	4.203	ug/l	91
80) 1,2,4-Trimethylbenzene	13.482	105	86389	3.876	ug/l	95
81) sec-Butylbenzene	13.618	105	104962	3.707	ug/l	92
82) p-Isopropyltoluene	13.735	119	77223	3.432	ug/l	98
83) 1,3-Dichlorobenzene	13.735	146	41688	3.740	ug/l	99
84) 1,4-Dichlorobenzene	13.812	146	42228	3.945	ug/l	96
85) n-Butylbenzene	14.059	91	67384	3.393	ug/l	96
86) Hexachloroethane	14.329	117	15902	3.609	ug/l	89
87) 1,2-Dichlorobenzene	14.106	146	45603	4.121	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.717	75	6502	3.160	ug/l #	75
89) 1,2,4-Trichlorobenzene	15.400	180	18723	3.705	ug/l	100
90) Hexachlorobutadiene	15.500	225	11445	4.644	ug/l	95
91) Naphthalene	15.641	128	62357	3.109	ug/l	98
92) 1,2,3-Trichlorobenzene	15.400	180	18637	3.525	ug/l	98

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



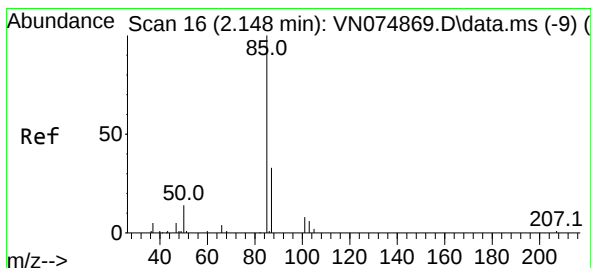
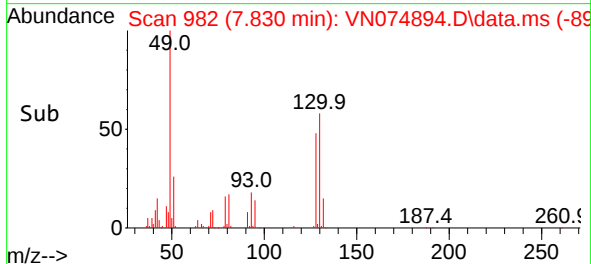
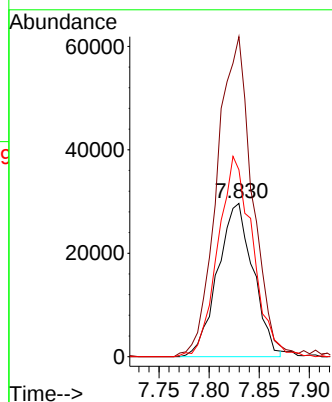
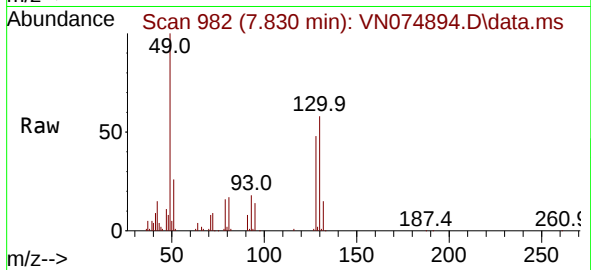
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Bromochloromethane
Concen: 30.000 ug/l
RT: 7.830 min Scan# 982
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

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

Tgt Ion:128 Resp: 7273
Ion Ratio Lower Upper
128 100
49 208.7 0.0 492.0
130 127.9 0.0 313.3

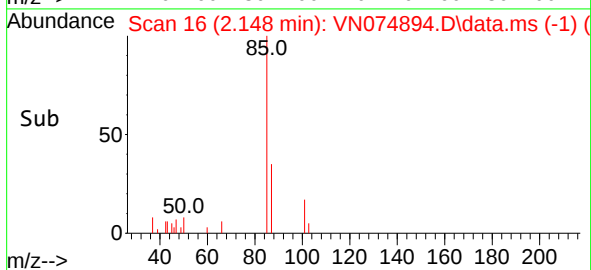
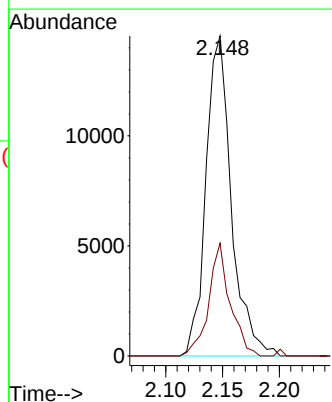
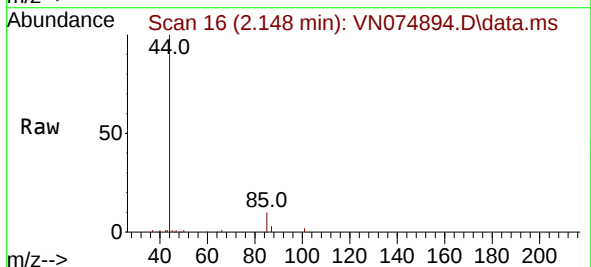
Manual Integrations
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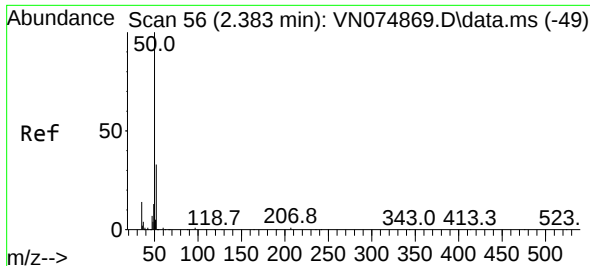
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#2
Dichlorodifluoromethane
Concen: 5.610 ug/l
RT: 2.148 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

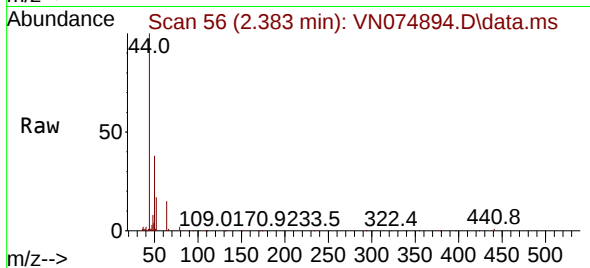
Tgt Ion: 85 Resp: 22661
Ion Ratio Lower Upper
85 100
87 35.3 16.7 50.1





#3
Chloromethane
Concen: 5.595 ug/l m
RT: 2.383 min Scan# 50
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

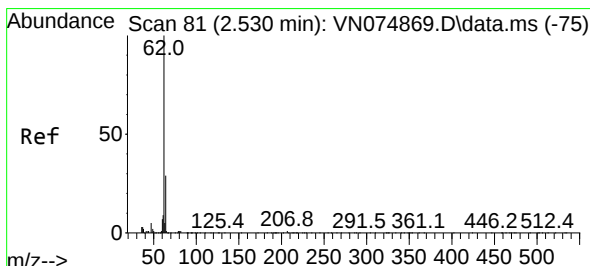
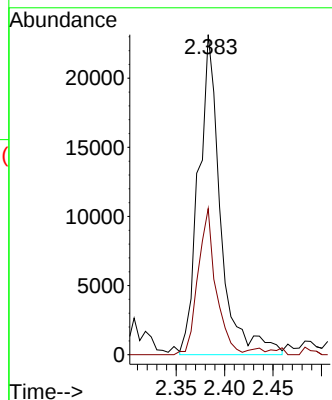
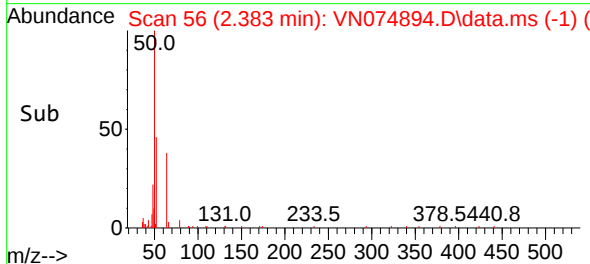
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ClientSampleId :
MDL-WATER-03-QT4-2022DL



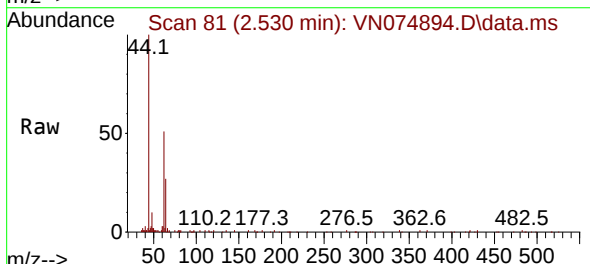
Tgt Ion: 50 Resp: 36540
Ion Ratio Lower Upper
50 100
52 45.6 25.5 38.3

Manual Integrations
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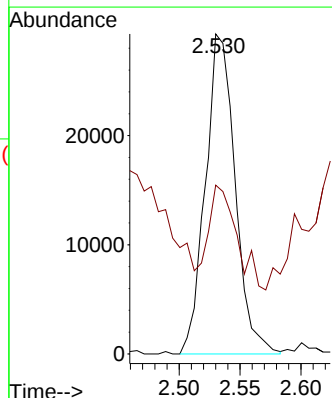
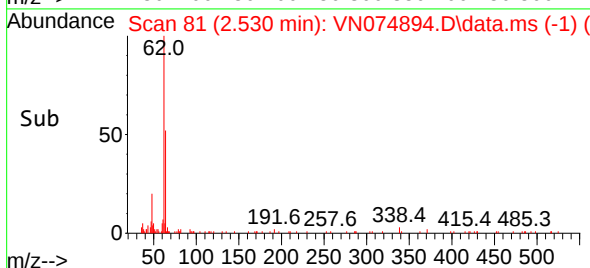
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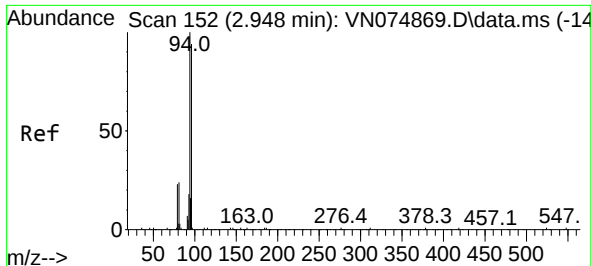


#4
Vinyl Chloride
Concen: 5.183 ug/l
RT: 2.530 min Scan# 81
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01



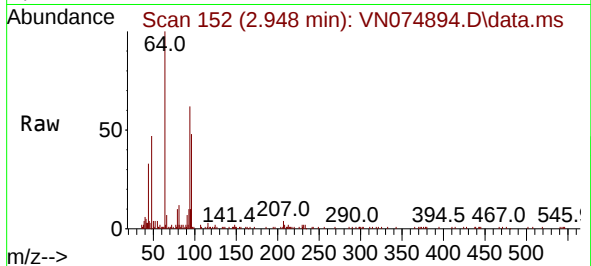
Tgt Ion: 62 Resp: 49860
Ion Ratio Lower Upper
62 100
64 27.8 25.6 38.4





#5
Bromomethane
Concen: 5.012 ug/l
RT: 2.948 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

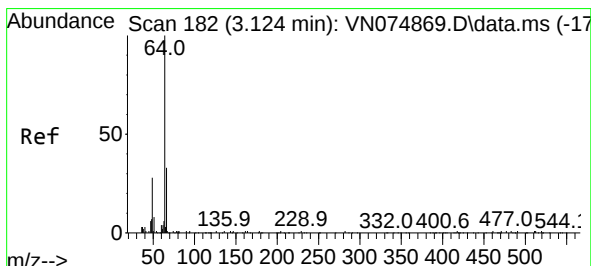
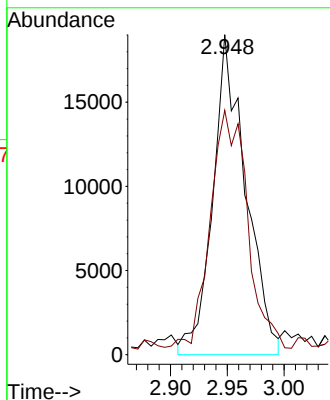
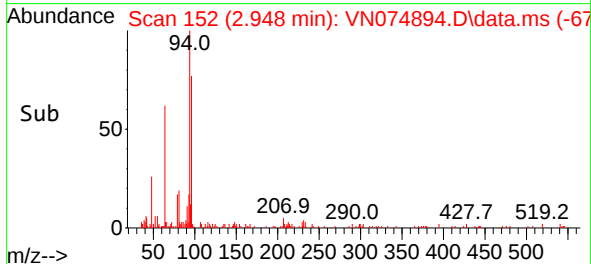
Instrument :
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ClientSampleId :
MDL-WATER-03-QT4-2022DL



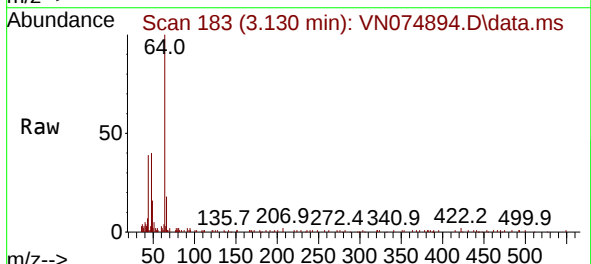
Tgt Ion: 94 Resp: 38229
Ion Ratio Lower Upper
94 100
96 73.9 68.3 102.5

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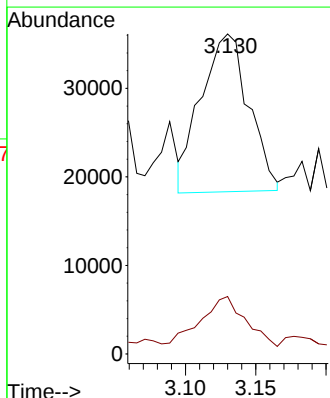
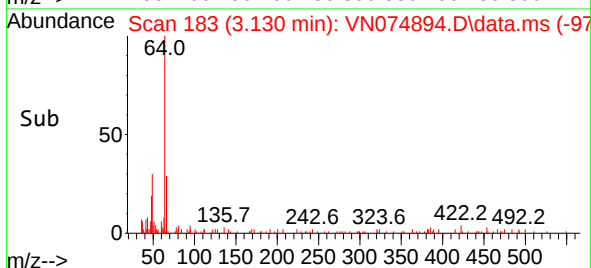
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022

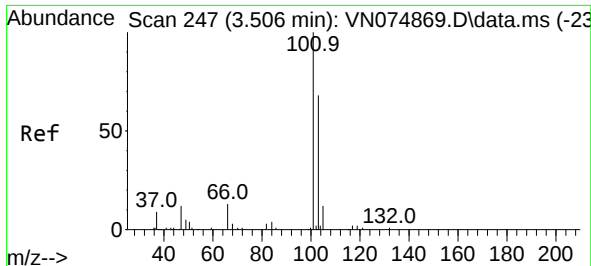


#6
Chloroethane
Concen: 5.848 ug/l m
RT: 3.130 min Scan# 183
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01



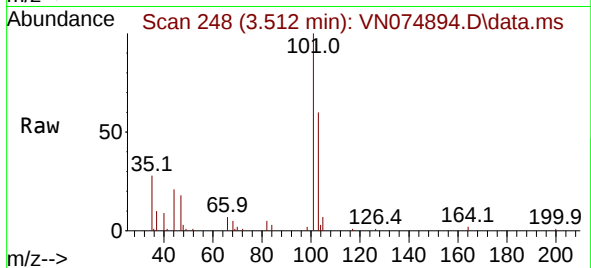
Tgt Ion: 64 Resp: 42189
Ion Ratio Lower Upper
64 100
66 18.0 21.8 32.8#





#7
 Trichlorofluoromethane
 Concen: 4.744 ug/l
 RT: 3.512 min Scan# 247
 Delta R.T. 0.006 min
 Lab File: VN074894.D
 Acq: 13 Oct 2022 14:01

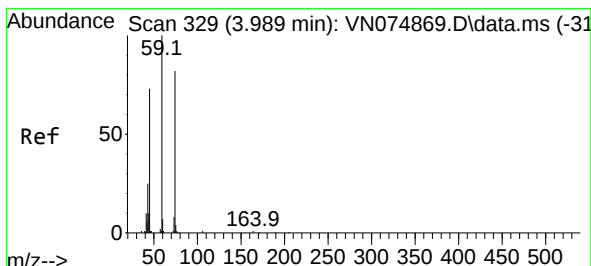
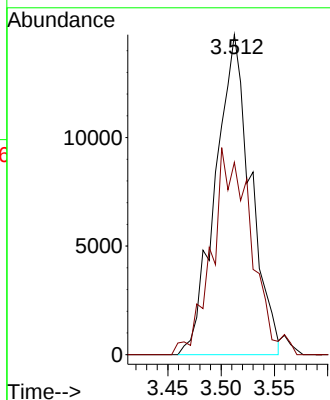
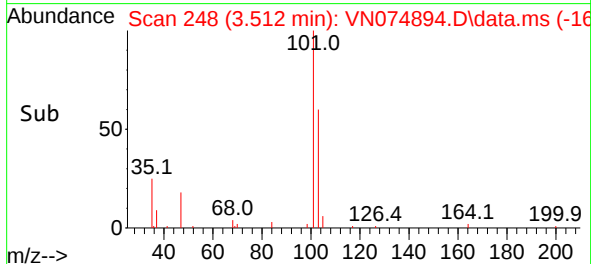
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Tgt Ion:101 Resp: 3402
 Ion Ratio Lower Upper
 101 100
 103 56.5 54.8 82.2

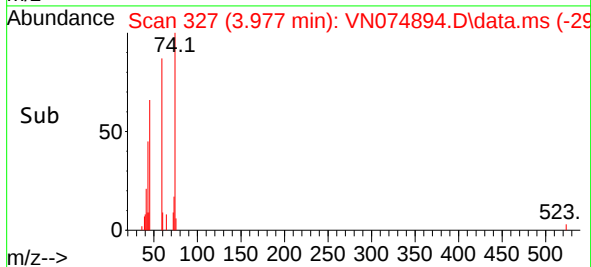
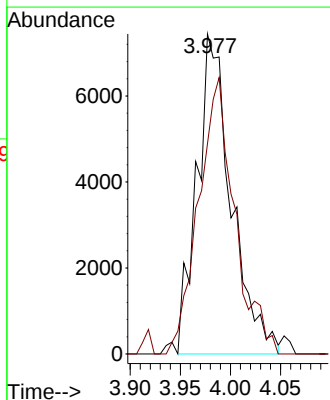
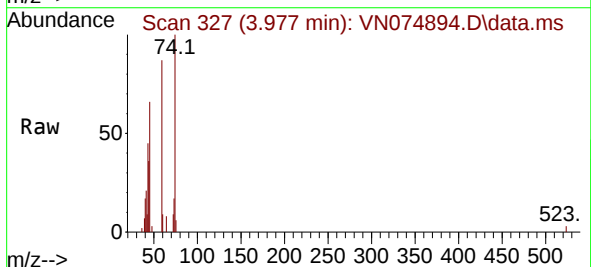
Manual Integrations
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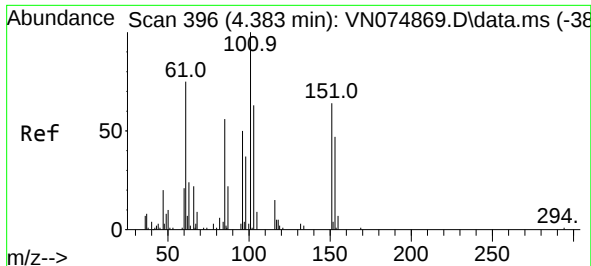
Reviewed By :John Carlone 10/14/2022
 Supervised By :Mahesh Dadoda 10/14/2022



#8
 Diethyl Ether
 Concen: 5.303 ug/l
 RT: 3.977 min Scan# 327
 Delta R.T. -0.012 min
 Lab File: VN074894.D
 Acq: 13 Oct 2022 14:01

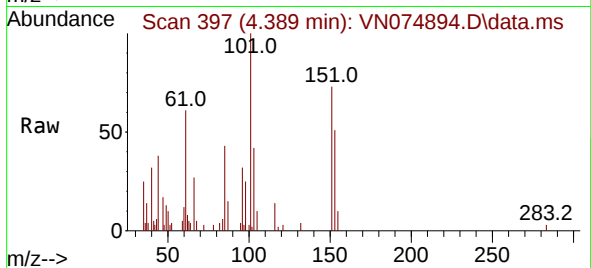
Tgt Ion: 74 Resp: 17734
 Ion Ratio Lower Upper
 74 100
 45 84.5 19.0 171.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.455 ug/l m
RT: 4.389 min Scan# 396
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

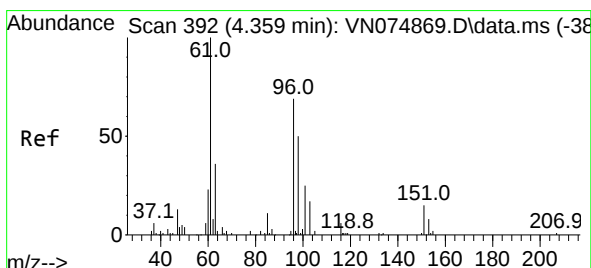
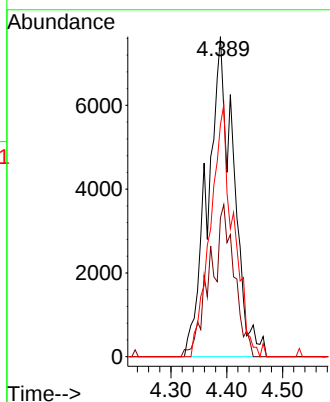
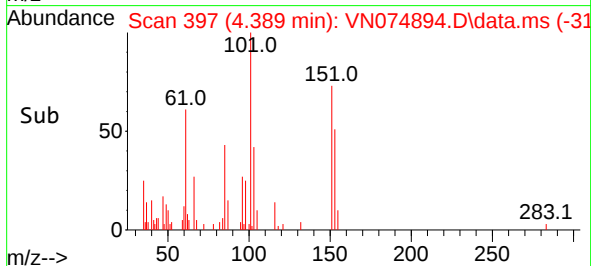
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 101 Resp: 2461
Ion Ratio Lower Upper
101 100
85 21.2 0.0 94.6
151 69.8 0.0 144.8

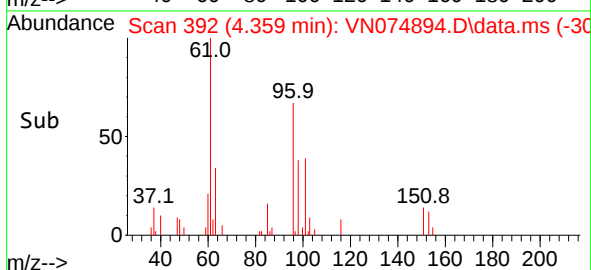
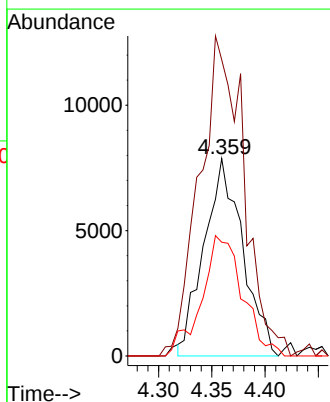
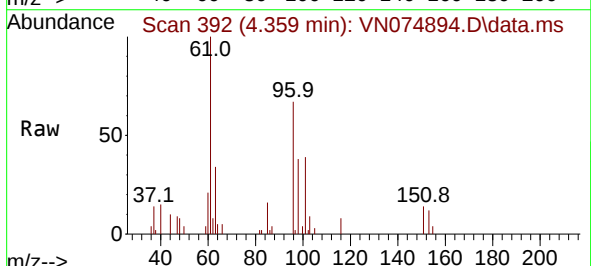
Manual Integrations
APPROVED

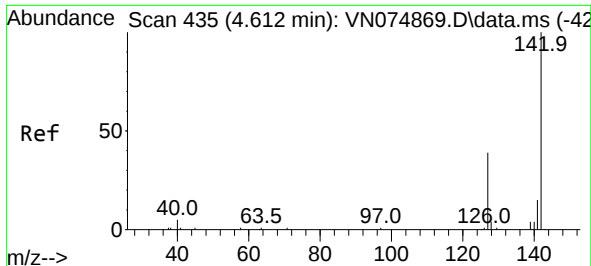
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#10
1,1-Dichloroethene
Concen: 4.463 ug/l
RT: 4.359 min Scan# 392
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

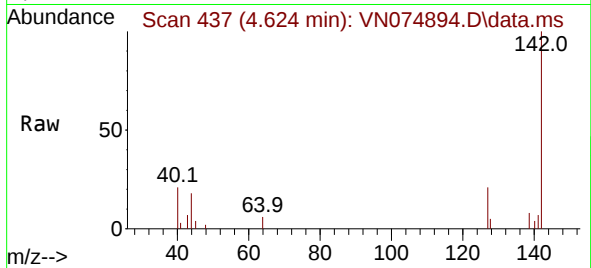
Tgt Ion: 96 Resp: 19811
Ion Ratio Lower Upper
96 100
61 136.8 125.5 188.3
98 52.4 45.0 67.4





#11
Methyl Iodide
Concen: 4.242 ug/l m
RT: 4.624 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

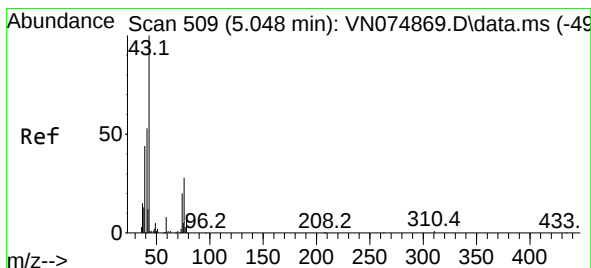
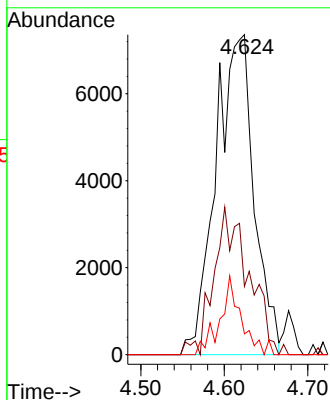
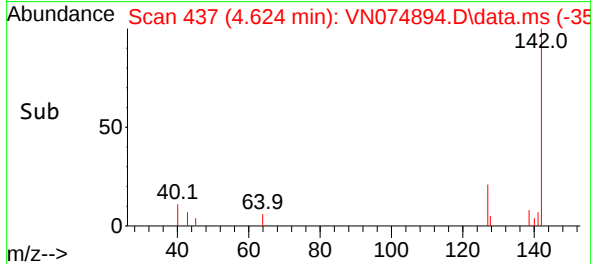
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion:142 Resp: 2350
Ion Ratio Lower Upper
142 100
127 21.4 19.3 57.8
141 6.5 7.7 23.1

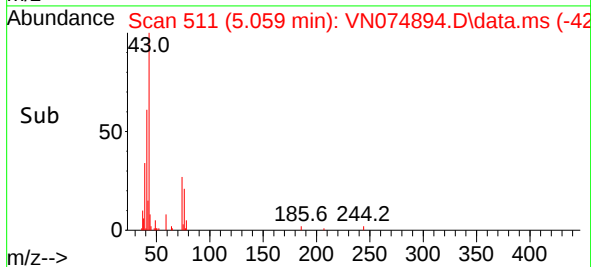
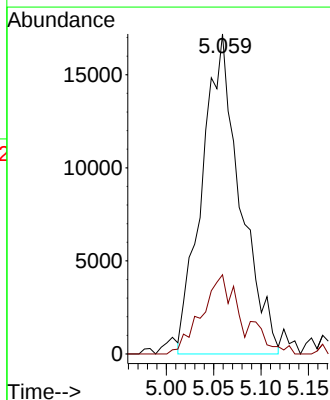
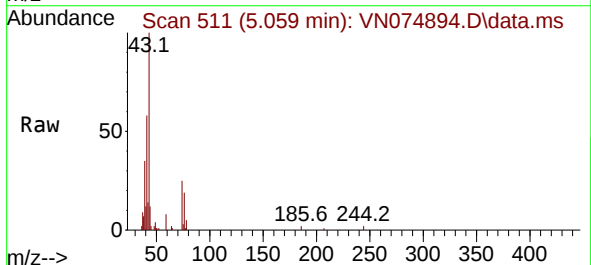
Manual Integrations
APPROVED

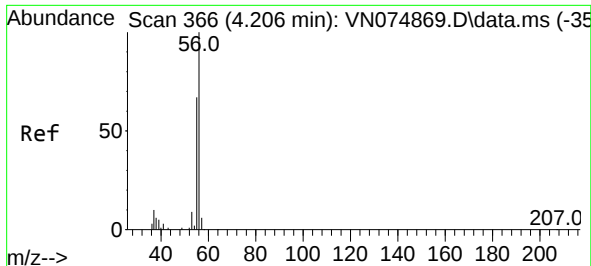
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#12
Methyl Acetate
Concen: 4.495 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

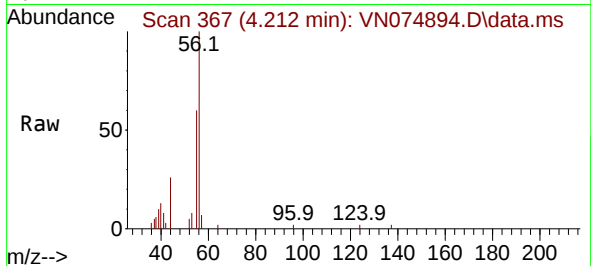
Tgt Ion: 43 Resp: 48089
Ion Ratio Lower Upper
43 100
74 23.5 19.0 28.6





#13
Acrolein
Concen: 17.209 ug/l m
RT: 4.212 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

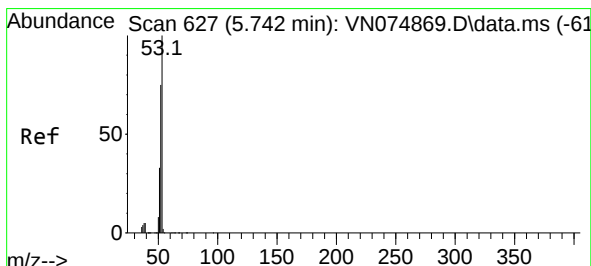
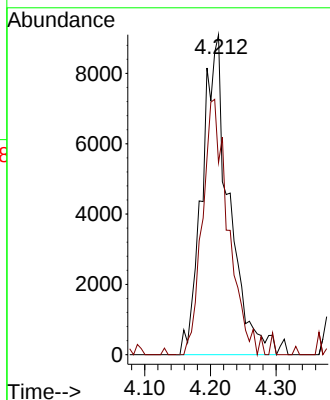
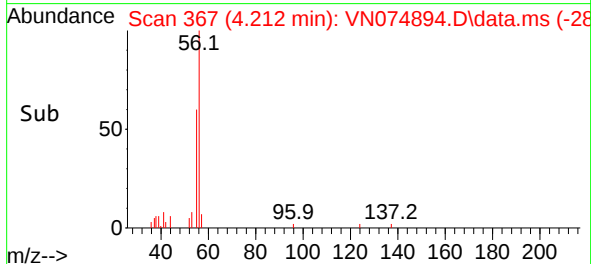
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 56 Resp: 2601
Ion Ratio Lower Upper
56 100
55 74.7 56.2 84.2

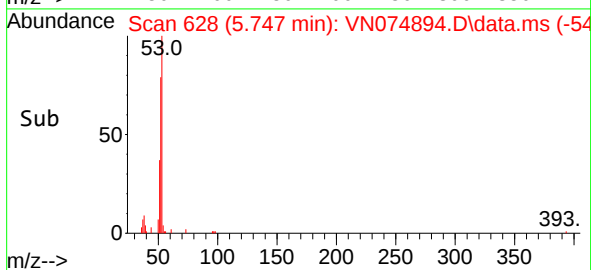
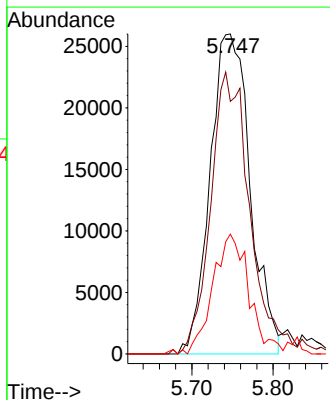
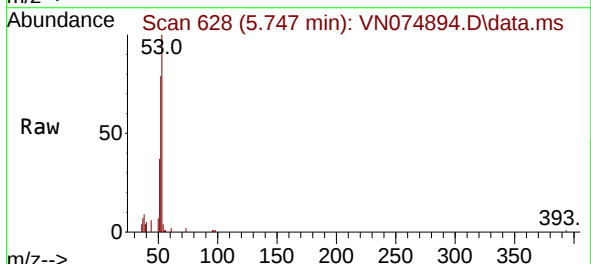
Manual Integrations
APPROVED

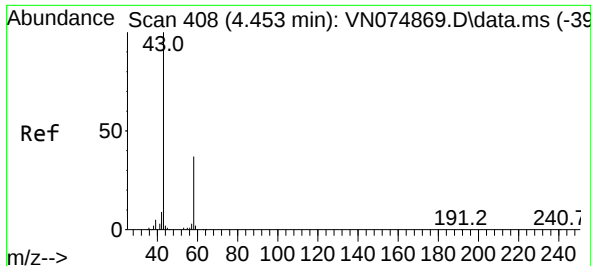
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#14
Acrylonitrile
Concen: 22.353 ug/l
RT: 5.747 min Scan# 628
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

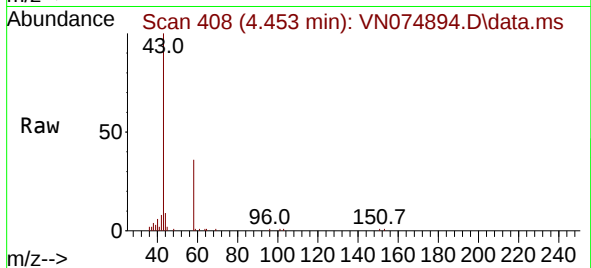
Tgt Ion: 53 Resp: 89200
Ion Ratio Lower Upper
53 100
52 45.9 40.8 122.4
51 24.7 17.0 51.0





#15
Acetone
Concen: 25.731 ug/l
RT: 4.453 min Scan# 408
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

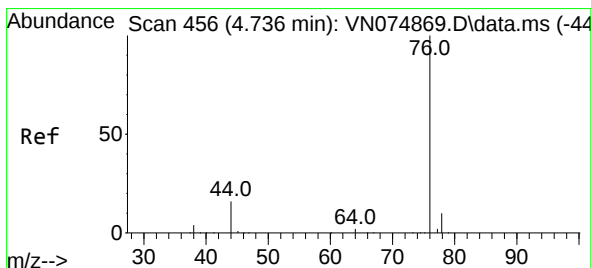
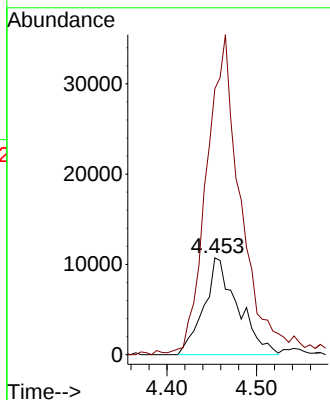
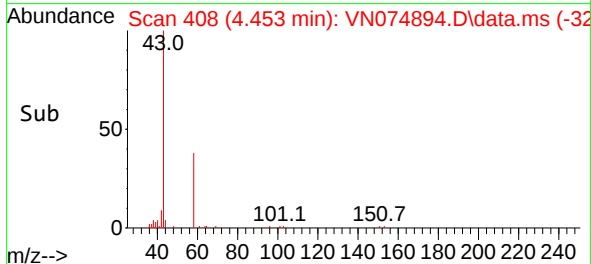
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



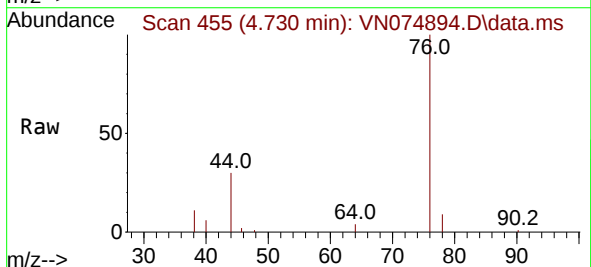
Tgt Ion: 58 Resp: 2814
Ion Ratio Lower Upper
58 100
43 269.0 232.2 348.4

Manual Integrations
APPROVED

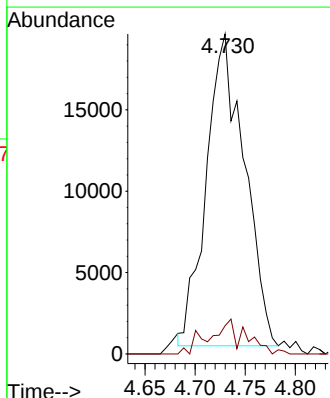
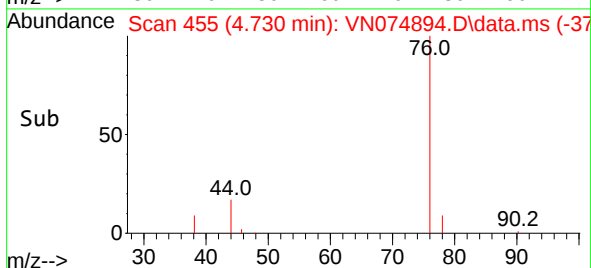
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022

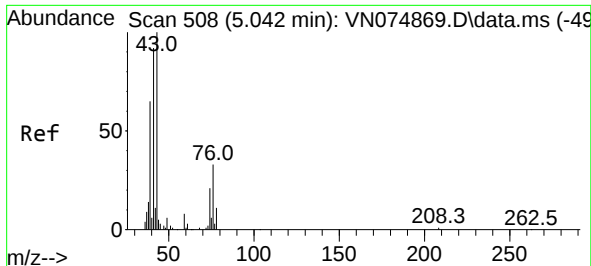


#16
Carbon Disulfide
Concen: 4.445 ug/l
RT: 4.730 min Scan# 455
Delta R.T. -0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01



Tgt Ion: 76 Resp: 50696
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8





#17

Allyl chloride

Concen: 4.528 ug/l m

RT: 5.048 min Scan# 508

Delta R.T. 0.006 min

Lab File: VN074894.D

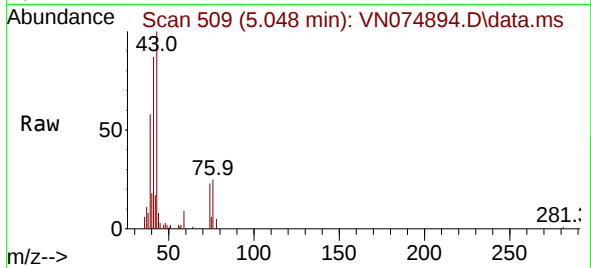
Acq: 13 Oct 2022 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL



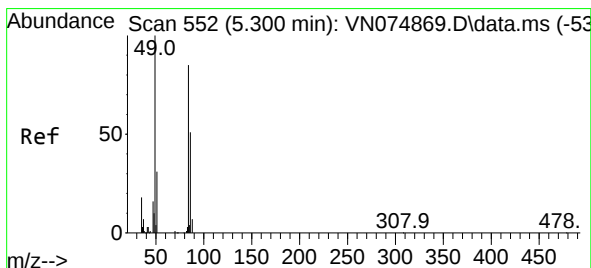
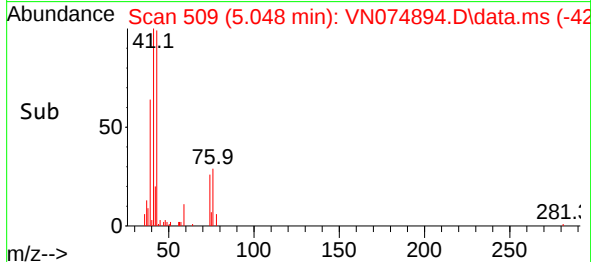
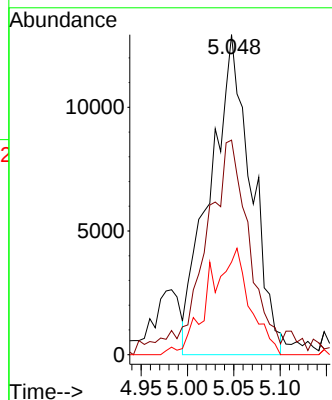
Tgt Ion:	41	Resp:	40018
Ion	Ratio	Lower	Upper
41	100		
39	67.0	39.1	117.5
76	28.9	19.8	59.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#18

Methylene Chloride

Concen: 5.338 ug/l m

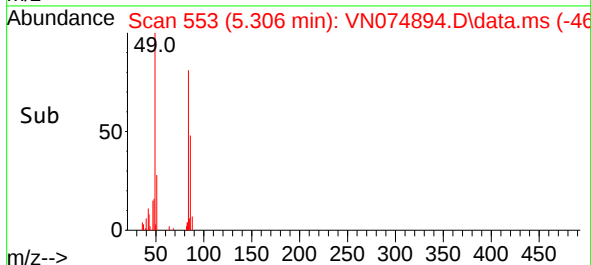
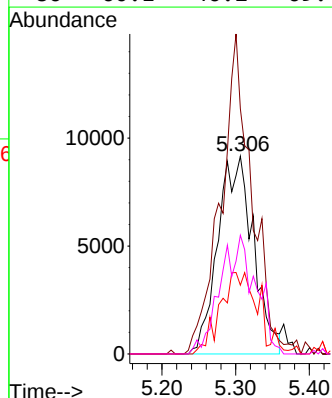
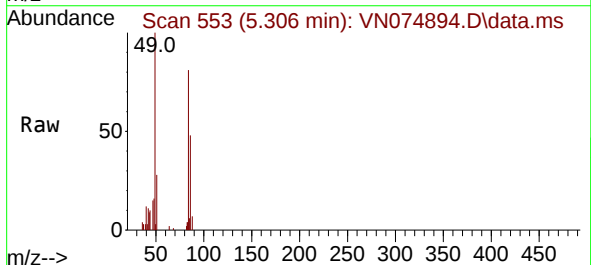
RT: 5.306 min Scan# 553

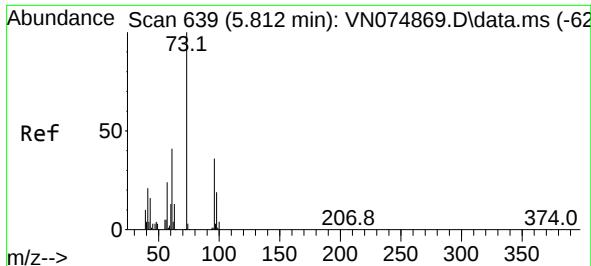
Delta R.T. 0.006 min

Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

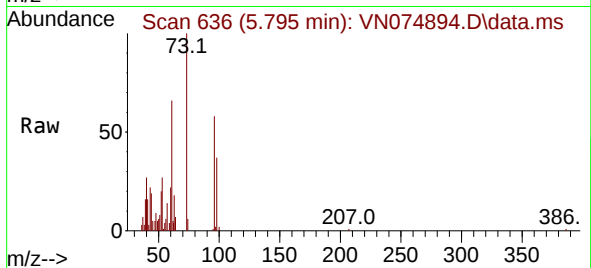
Tgt Ion:	84	Resp:	30724
Ion	Ratio	Lower	Upper
84	100		
49	124.0	99.6	149.4
51	34.8	28.2	42.2
86	60.1	46.2	69.4





#19
trans-1,2-Dichloroethene
Concen: 4.945 ug/l m
RT: 5.795 min Scan# 61
Delta R.T. -0.018 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

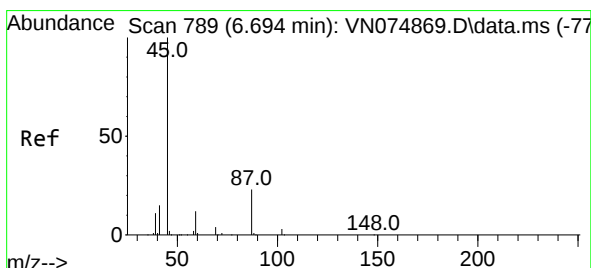
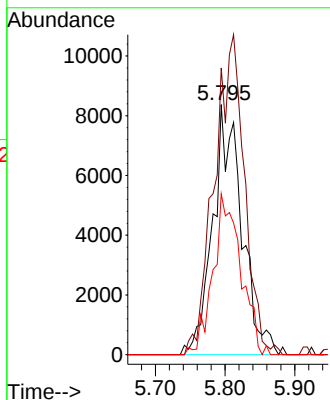
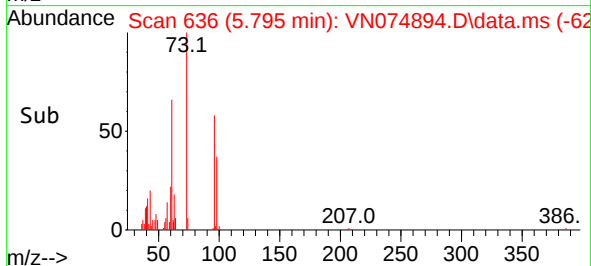
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 96 Resp: 24090
Ion Ratio Lower Upper
96 100
61 114.6 110.2 165.4
98 64.3 50.0 75.0

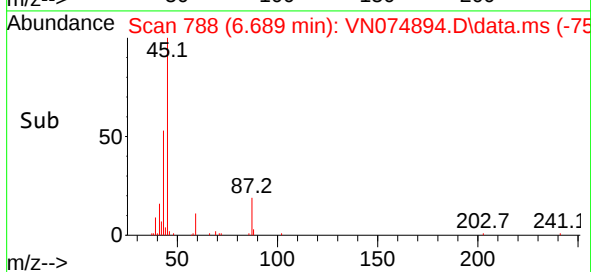
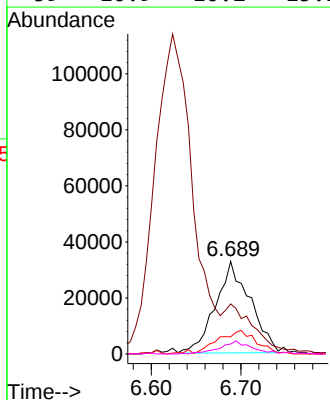
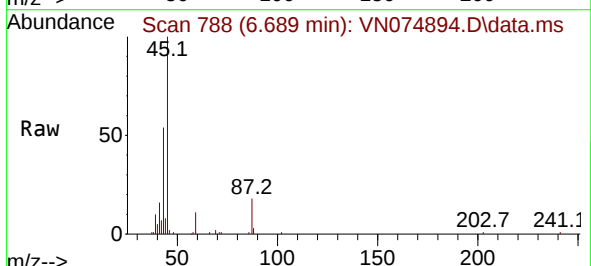
Manual Integrations
APPROVED

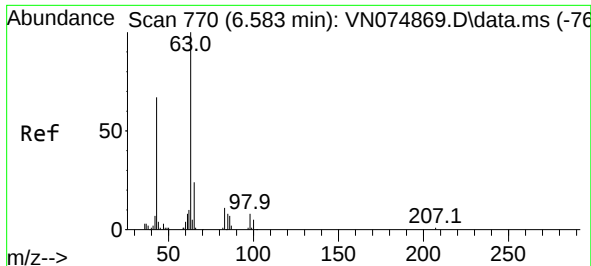
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#20
Diisopropyl ether
Concen: 4.240 ug/l
RT: 6.689 min Scan# 788
Delta R.T. -0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

Tgt Ion: 45 Resp: 87484
Ion Ratio Lower Upper
45 100
43 47.3 47.3 70.9
87 17.3 21.8 32.8#
59 10.9 10.2 15.2





#21

1,1-Dichloroethane

Concen: 4.627 ug/l m

RT: 6.577 min Scan# 7

Delta R.T. -0.006 min

Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL

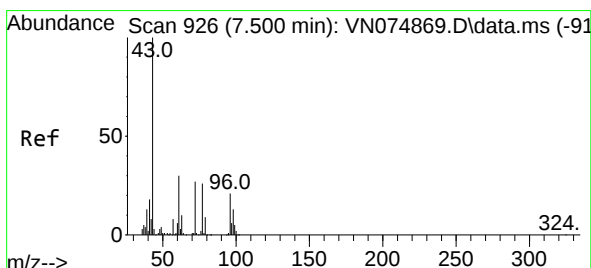
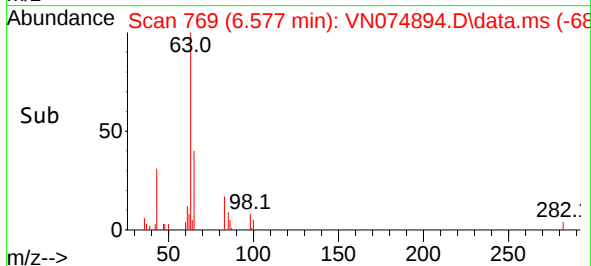
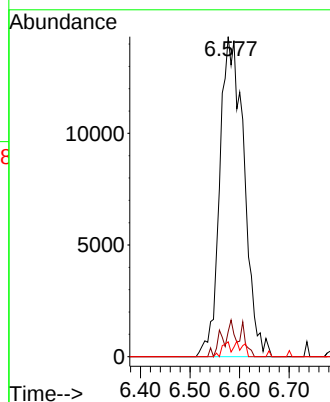
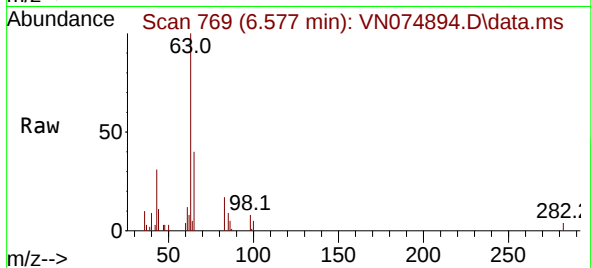
Tgt Ion:	63	Resp:	4856
Ion Ratio	Lower	Upper	
63	100		
98	7.9	3.3	9.9
100	4.6	2.2	6.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#22

cis-1,2-Dichloroethene

Concen: 4.698 ug/l

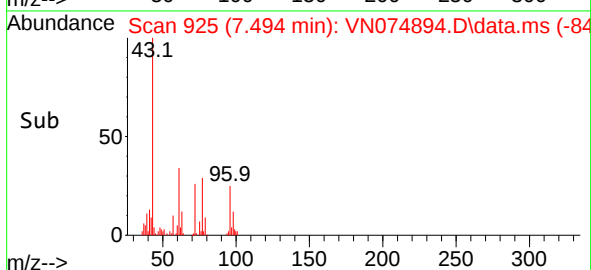
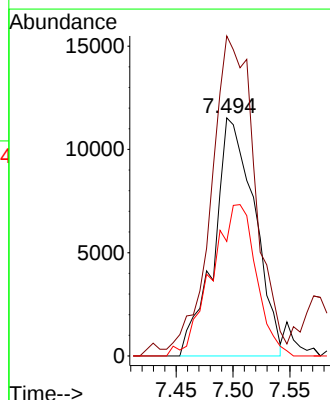
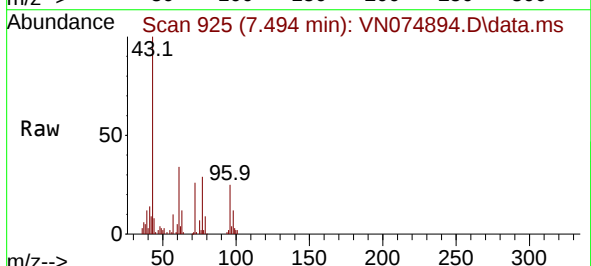
RT: 7.494 min Scan# 925

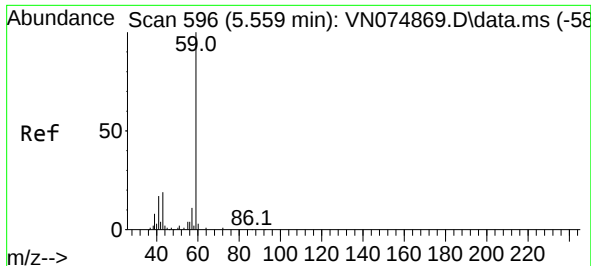
Delta R.T. -0.006 min

Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

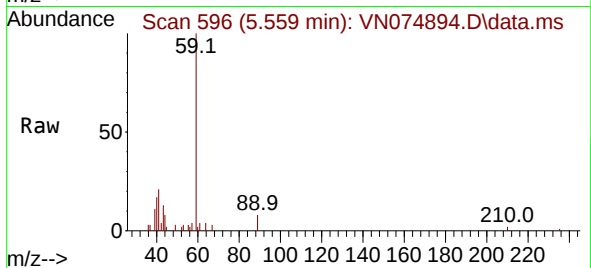
Tgt Ion:	96	Resp:	28665
Ion Ratio	Lower	Upper	
96	100		
61	94.3	118.8	178.2#
98	68.9	52.1	78.1





#23
tert-Butyl Alcohol
Concen: 26.437 ug/l m
RT: 5.559 min Scan# 596
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

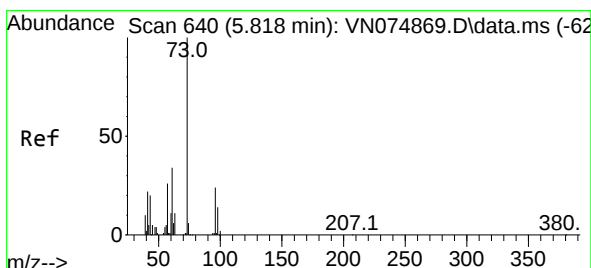
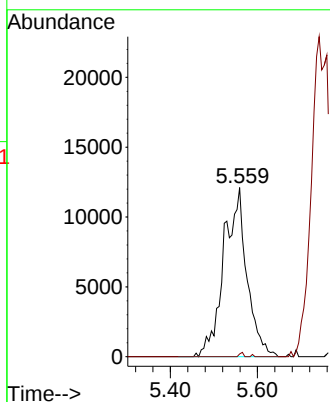
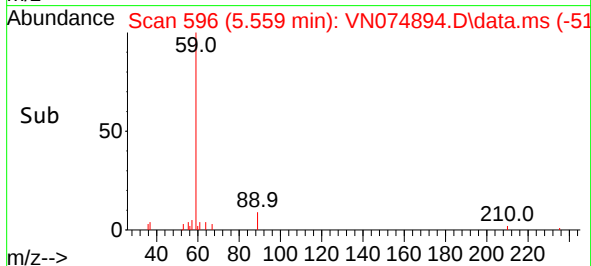
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



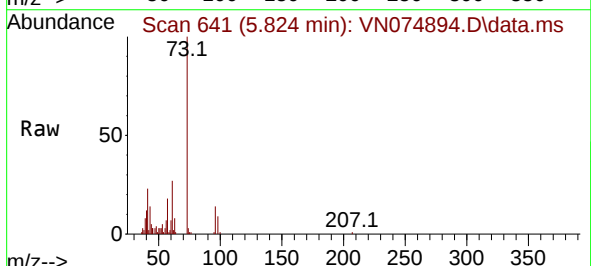
Tgt Ion: 59 Resp: 4445
Ion Ratio Lower Upper
59 100
52 0.4 0.2 0.4

Manual Integrations
APPROVED

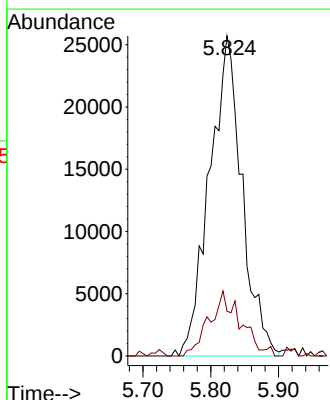
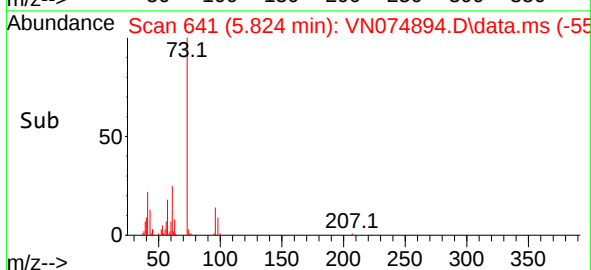
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022

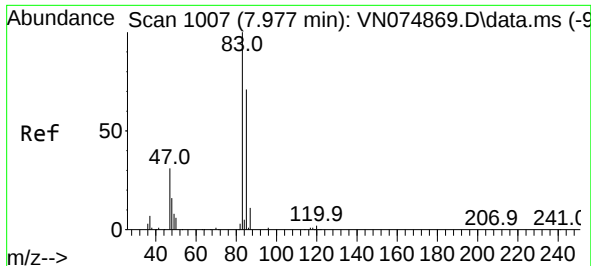


#24
Methyl tert-Butyl Ether
Concen: 4.597 ug/l m
RT: 5.824 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01



Tgt Ion: 73 Resp: 85226
Ion Ratio Lower Upper
73 100
43 8.0 15.6 23.4





#25

Chloroform

Concen: 4.226 ug/l

RT: 7.983 min Scan# 1008

Delta R.T. 0.006 min

Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL

Tgt Ion: 83 Resp: 4405

Ion Ratio Lower Upper

83 100

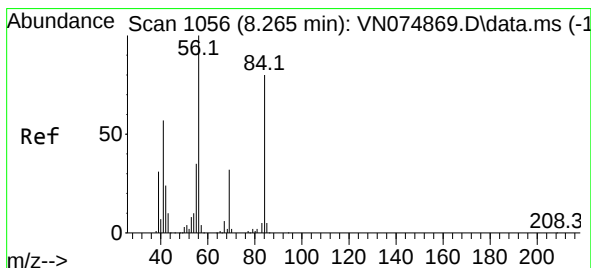
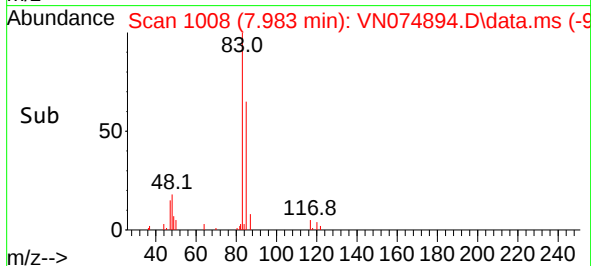
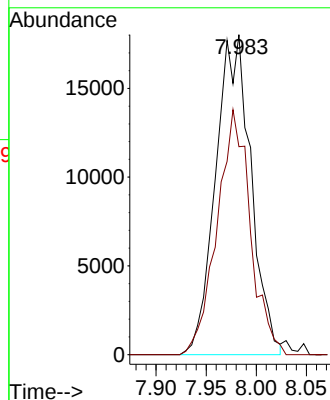
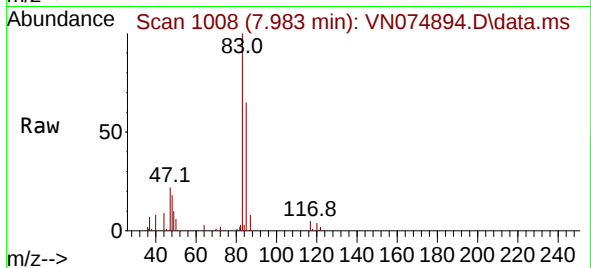
85 65.0 53.6 80.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#26

Cyclohexane

Concen: 4.417 ug/l

RT: 8.265 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

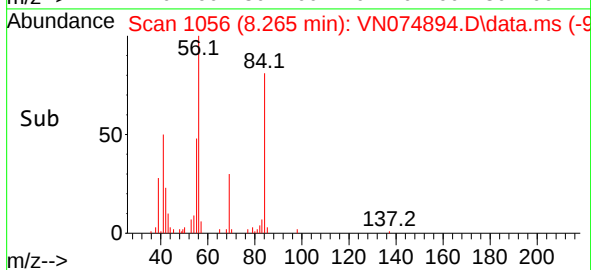
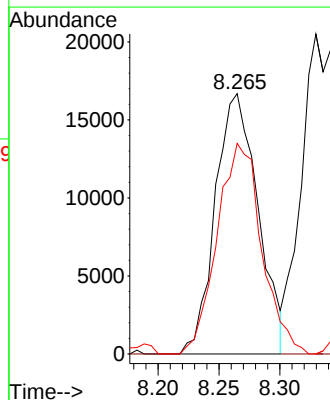
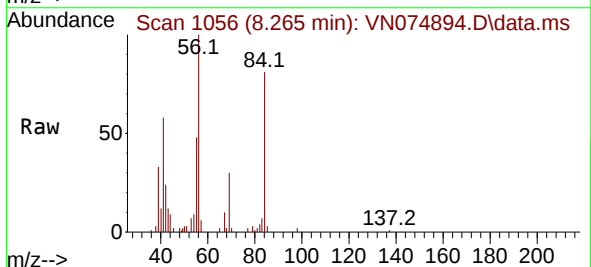
Tgt Ion: 56 Resp: 40724

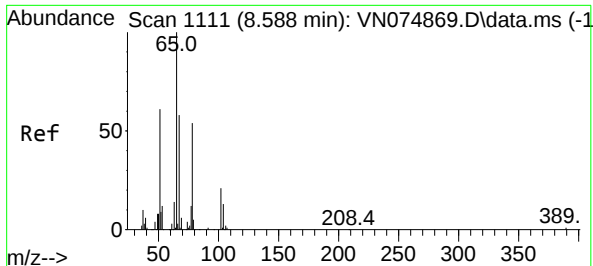
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 84.4 68.4 102.6





#27

1,2-Dichloroethane-d4

Concen: 31.015 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. -0.000 min

Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL

Tgt Ion: 65 Resp: 21120

Ion Ratio Lower Upper

65 100

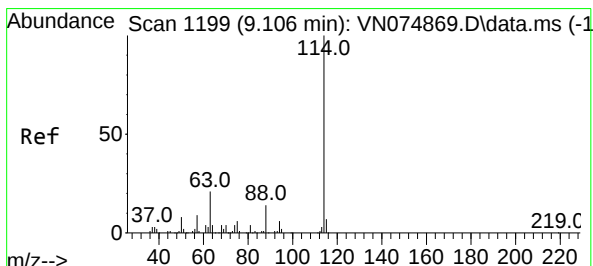
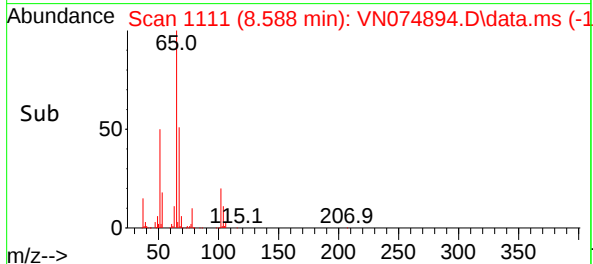
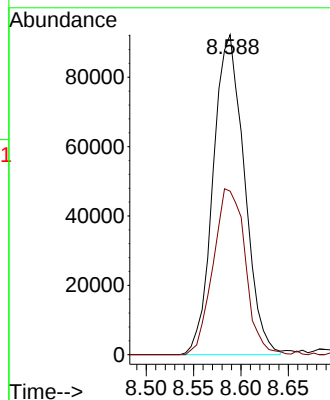
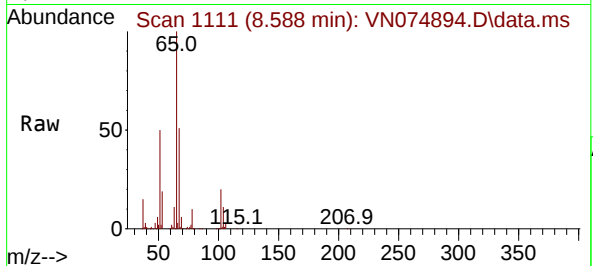
67 53.4 45.2 67.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

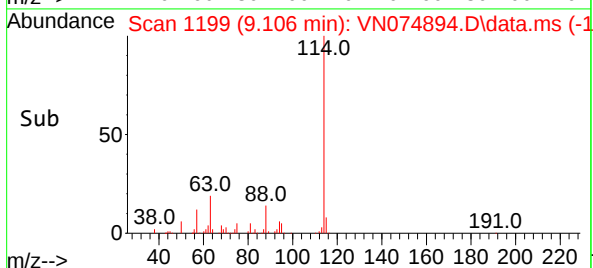
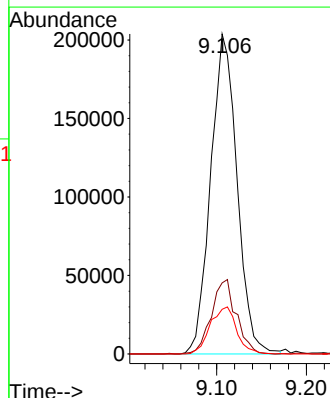
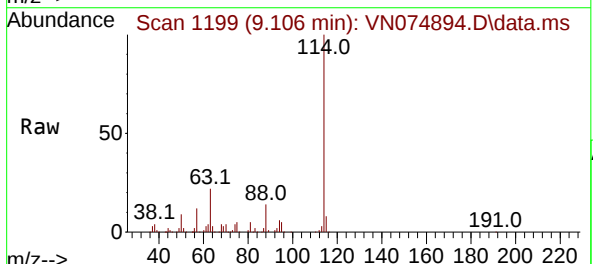
Tgt Ion:114 Resp: 416378

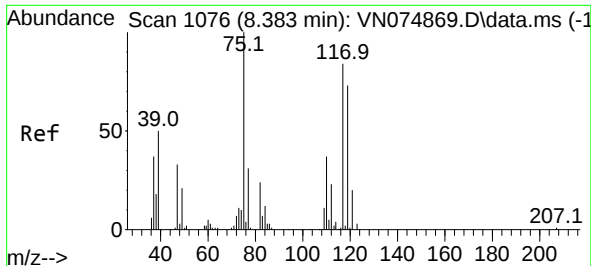
Ion Ratio Lower Upper

114 100

63 21.9 16.6 25.0

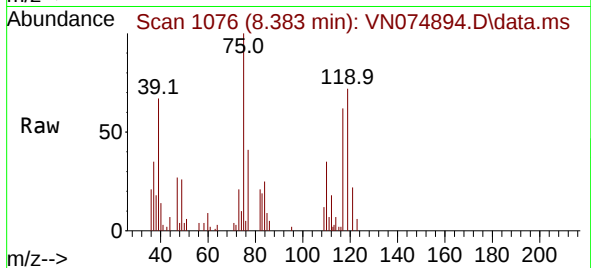
88 14.7 12.2 18.4





#29
1,1-Dichloropropene
Concen: 4.387 ug/l
RT: 8.383 min Scan# 1076
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

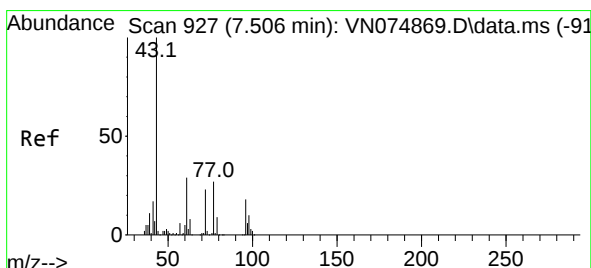
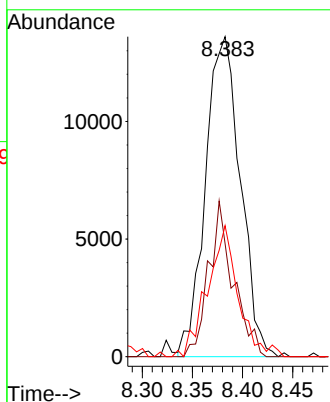
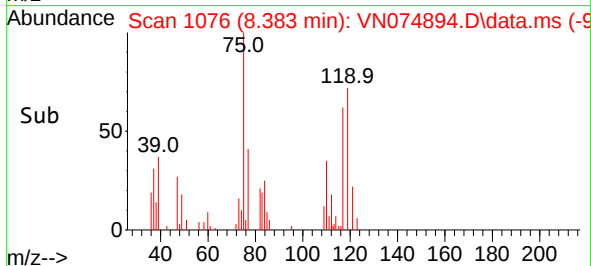
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 75 Resp: 32960
Ion Ratio Lower Upper
75 100
110 34.4 0.0 72.2
77 34.9 0.0 64.0

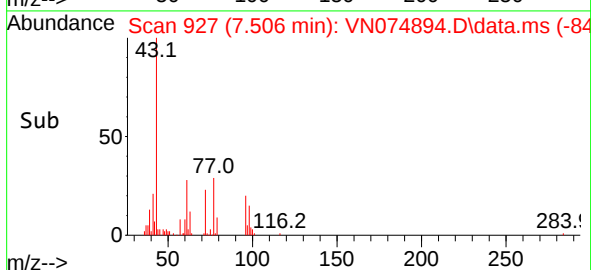
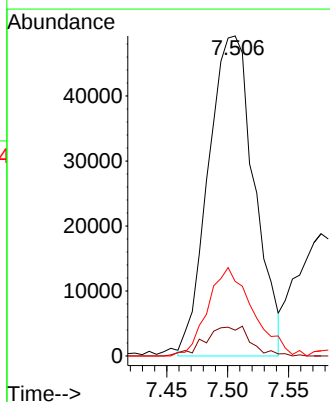
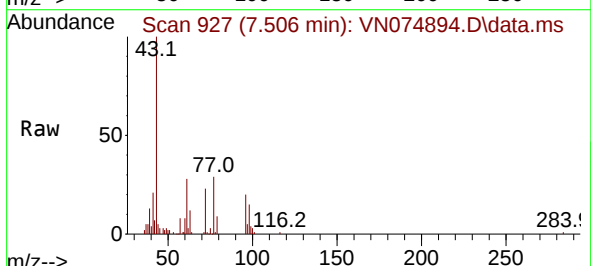
Manual Integrations
APPROVED

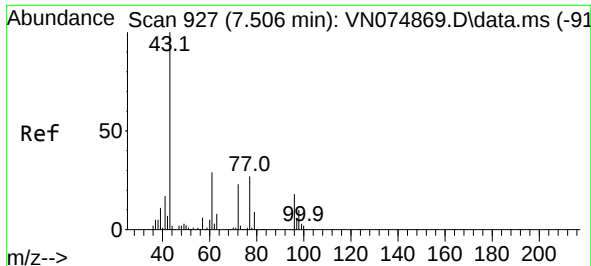
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#30
2-Butanone
Concen: 21.617 ug/l
RT: 7.506 min Scan# 927
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

Tgt Ion: 43 Resp: 129580
Ion Ratio Lower Upper
43 100
57 5.0 6.3 9.5#
72 26.9 21.0 31.4





#31

2,2-Dichloropropane

Concen: 4.946 ug/l m

RT: 7.512 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL

Tgt Ion: 77 Resp: 4548

Ion Ratio Lower Upper

77 100

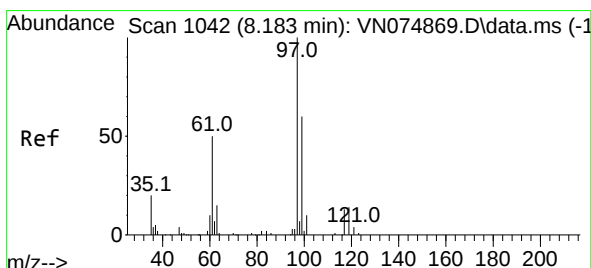
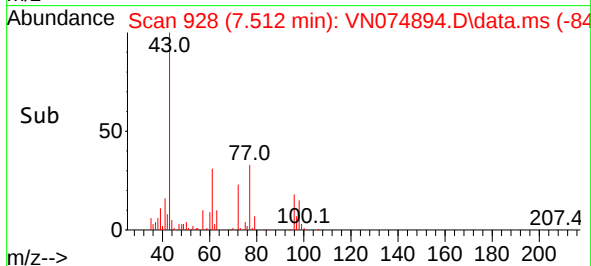
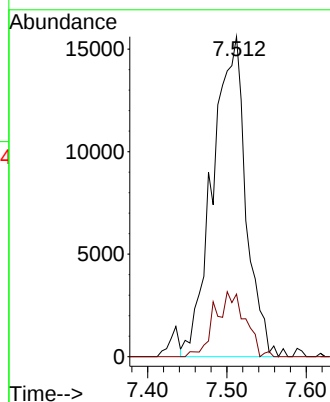
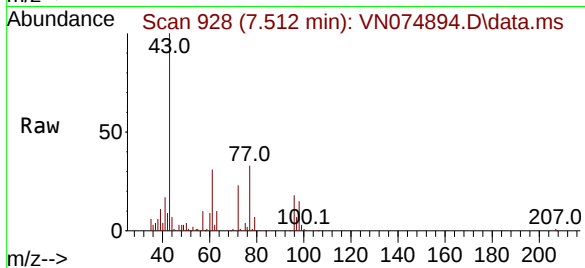
97 0.5 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#32

1,1,1-Trichloroethane

Concen: 4.232 ug/l

RT: 8.183 min Scan# 1042

Delta R.T. -0.000 min

Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

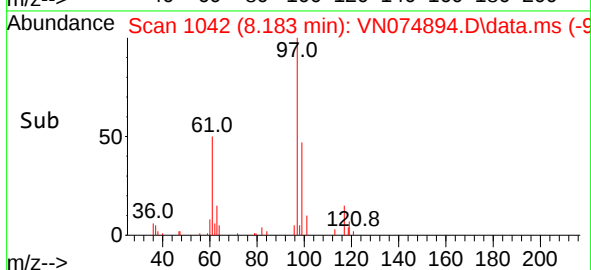
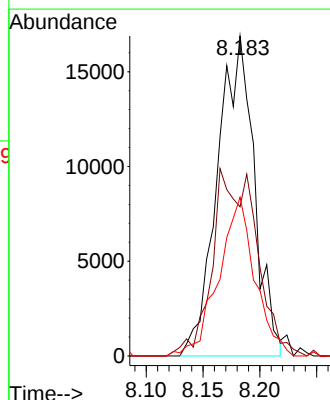
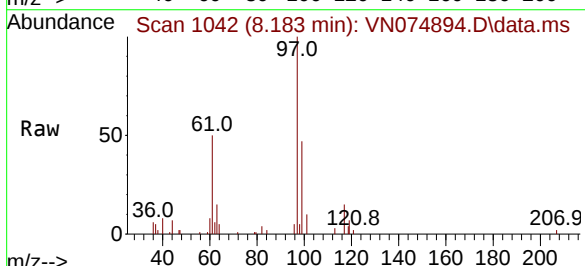
Tgt Ion: 97 Resp: 38133

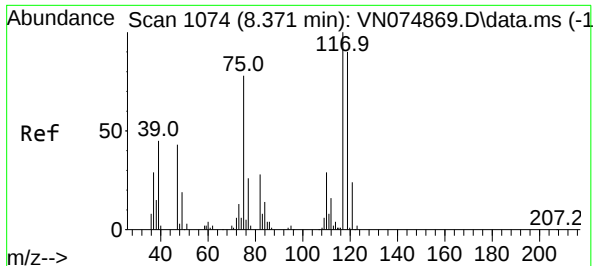
Ion Ratio Lower Upper

97 100

99 26.2 50.0 75.0#

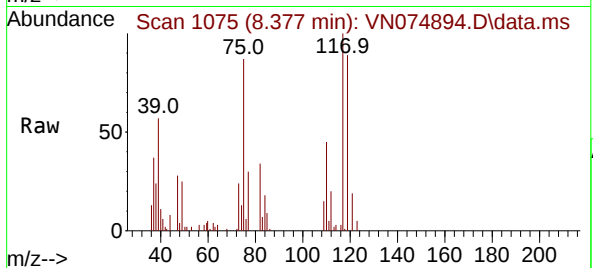
61 47.3 36.1 54.1





#33
Carbon Tetrachloride
Concen: 3.923 ug/l
RT: 8.377 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

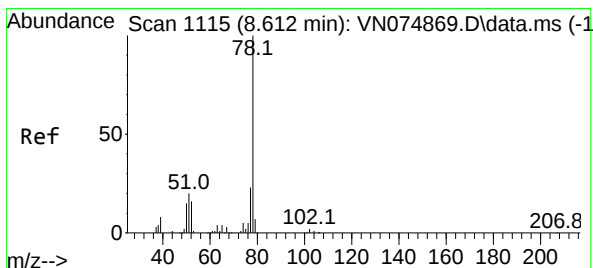
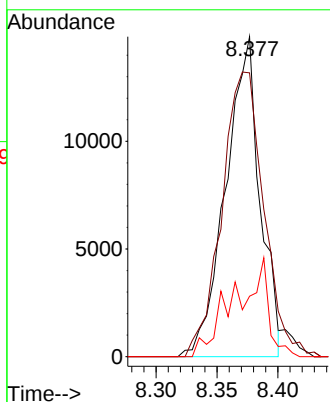
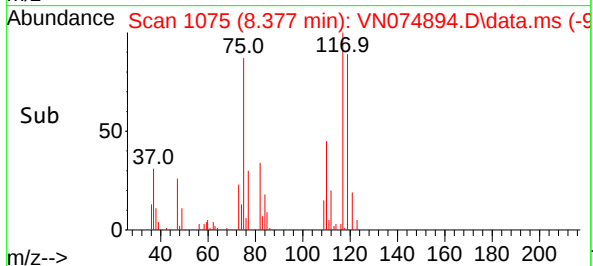
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



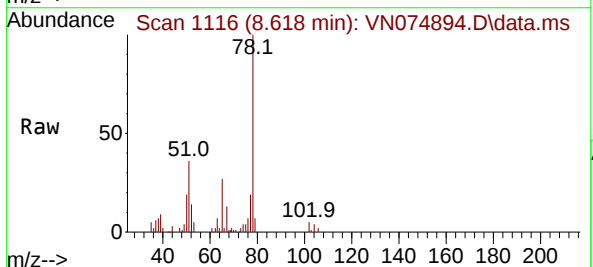
Tgt Ion: 117 Resp: 29028
Ion Ratio Lower Upper
117 100
119 87.8 77.8 116.6
121 18.7 27.6 41.4

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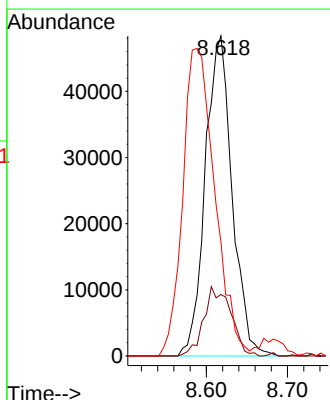
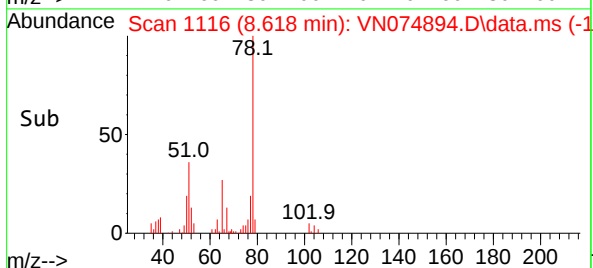
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022

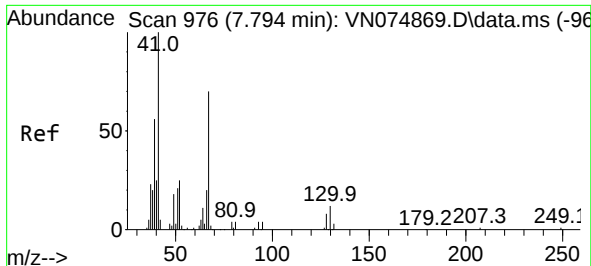


#34
Benzene
Concen: 4.479 ug/l
RT: 8.618 min Scan# 1116
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01



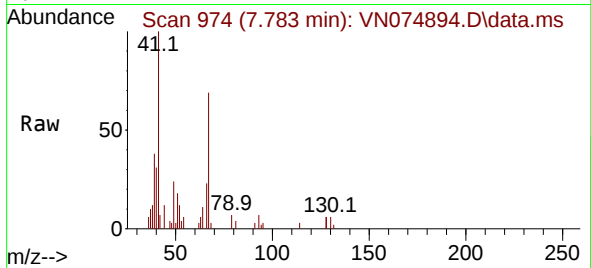
Tgt Ion: 78 Resp: 111230
Ion Ratio Lower Upper
78 100
77 19.2 19.9 29.9#
51 31.1 21.1 31.7





#35
Methacrylonitrile
Concen: 4.083 ug/l m
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

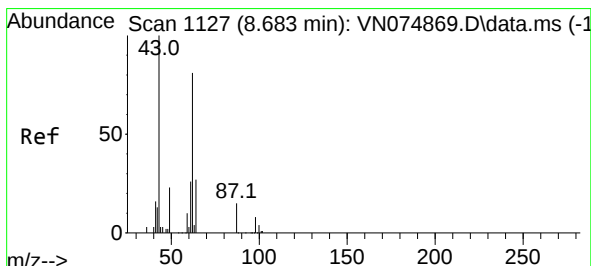
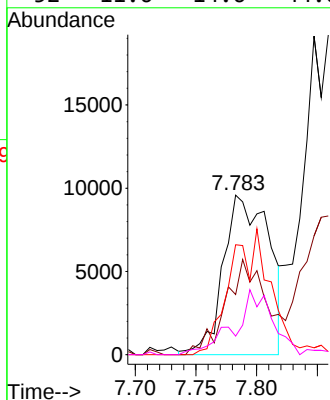
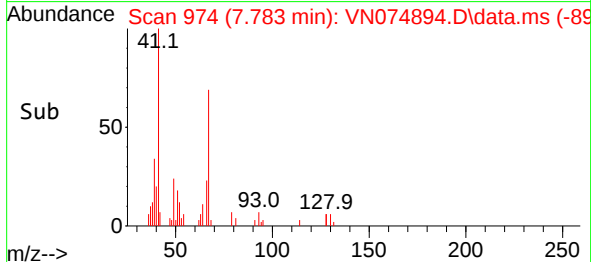
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 41 Resp: 2515
Ion Ratio Lower Upper
41 100
39 37.7 27.7 83.1
67 68.9 38.0 113.9
52 11.6 14.6 44.0#

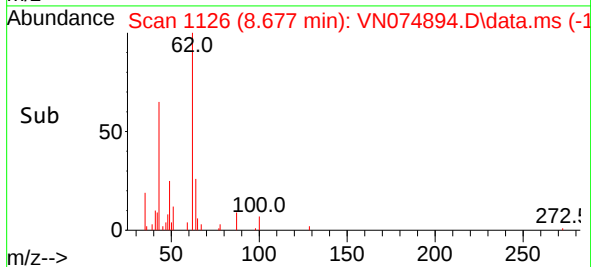
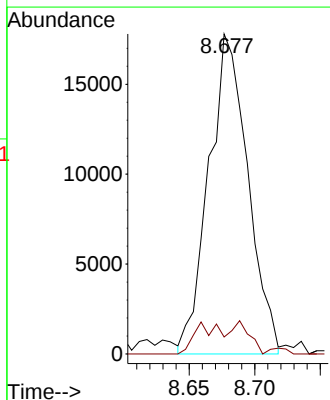
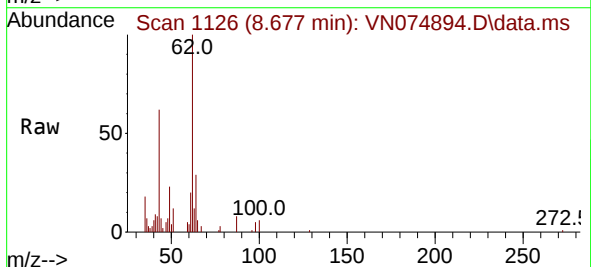
Manual Integrations
APPROVED

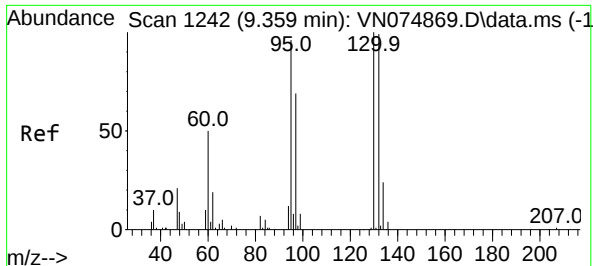
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#36
1,2-Dichloroethane
Concen: 4.460 ug/l
RT: 8.677 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

Tgt Ion: 62 Resp: 36886
Ion Ratio Lower Upper
62 100
98 4.9 7.4 11.2#





#37

Trichloroethene

Concen: 4.421 ug/l

RT: 9.359 min Scan# 1242

Delta R.T. -0.000 min

Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL

Tgt Ion:130 Resp: 22834

Ion Ratio Lower Upper

130 100

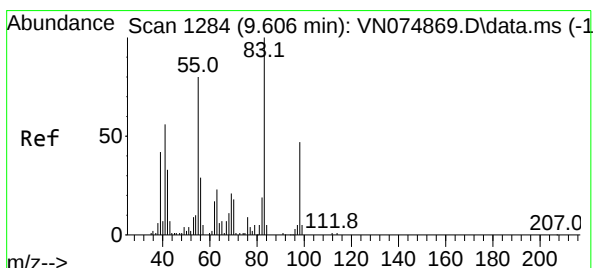
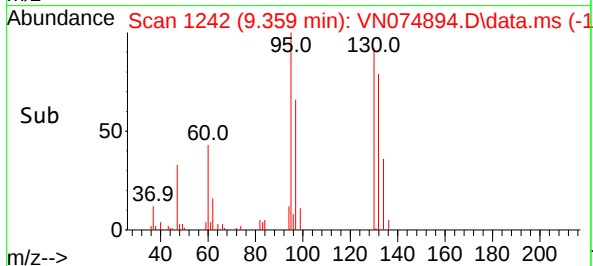
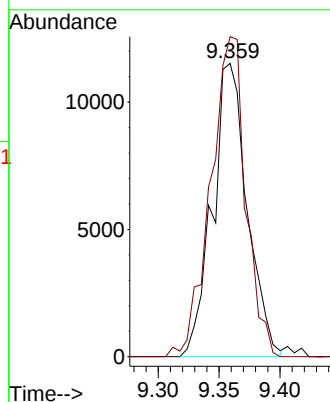
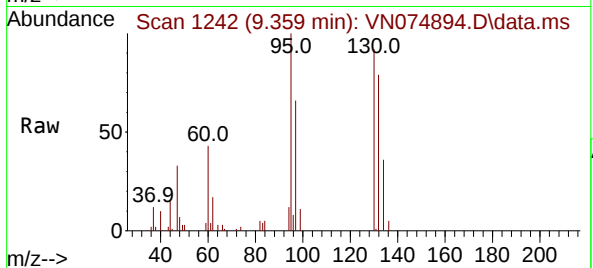
95 109.1 75.9 113.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#38

Methylcyclohexane

Concen: 4.386 ug/l

RT: 9.600 min Scan# 1283

Delta R.T. -0.006 min

Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

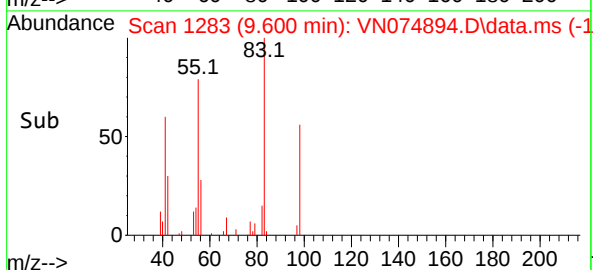
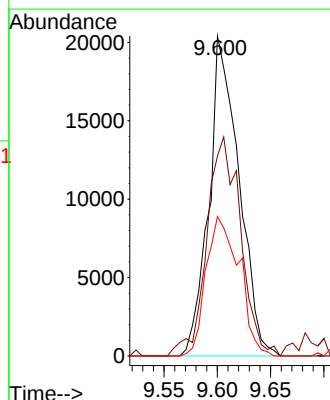
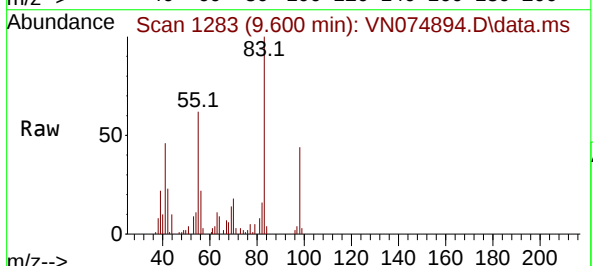
Tgt Ion: 83 Resp: 40027

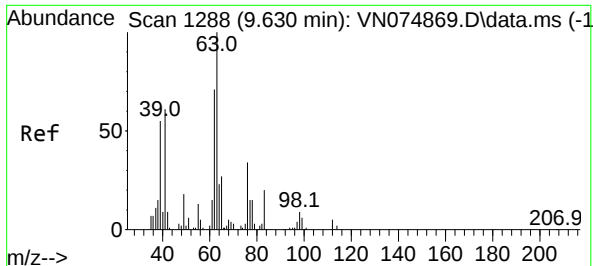
Ion Ratio Lower Upper

83 100

55 73.4 37.4 112.2

98 48.2 24.5 73.5





#39

1,2-Dichloropropane

Concen: 4.559 ug/l

RT: 9.630 min Scan# 1288

Delta R.T. -0.000 min

Lab File: VN074894.D

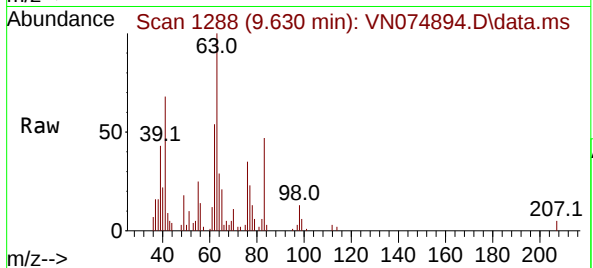
Acq: 13 Oct 2022 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL



Tgt Ion: 63 Resp: 2935

Ion Ratio Lower Upper

63 100

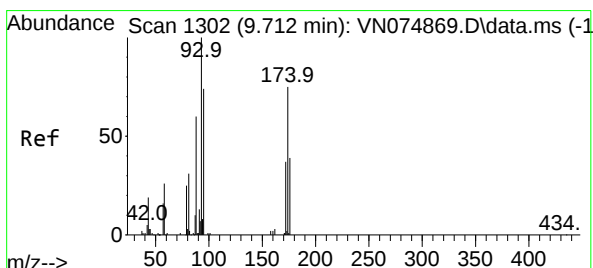
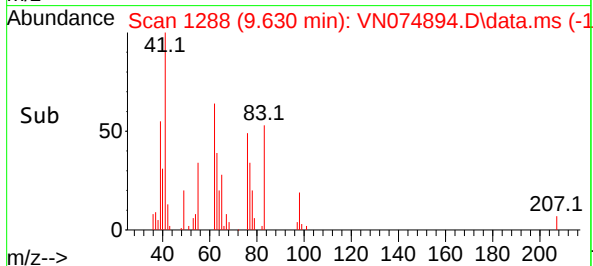
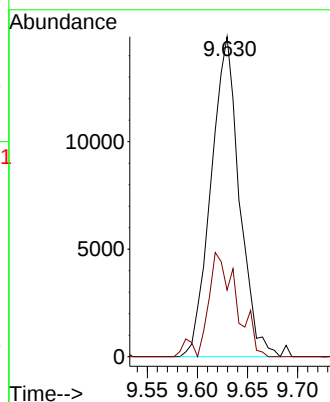
65 20.8 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#40

Dibromomethane

Concen: 4.505 ug/l

RT: 9.712 min Scan# 1302

Delta R.T. -0.000 min

Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

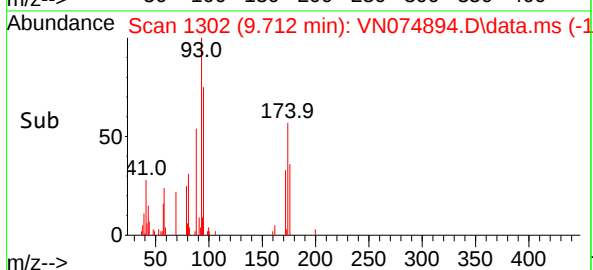
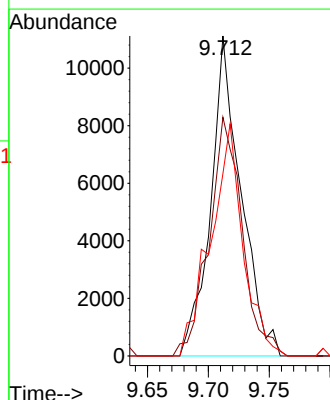
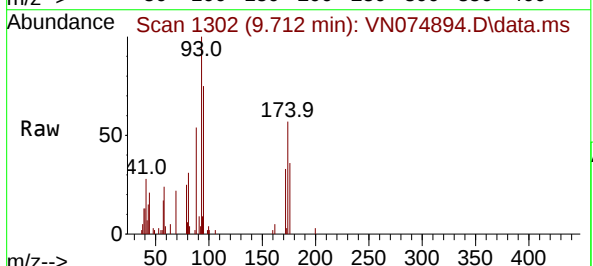
Tgt Ion: 93 Resp: 19220

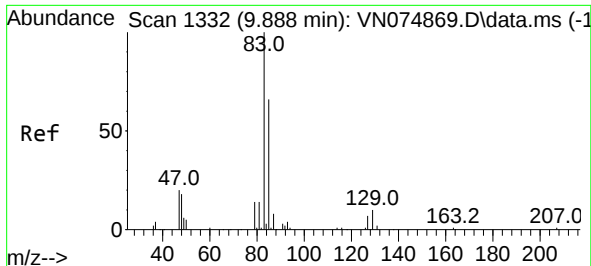
Ion Ratio Lower Upper

93 100

95 81.4 0.0 168.0

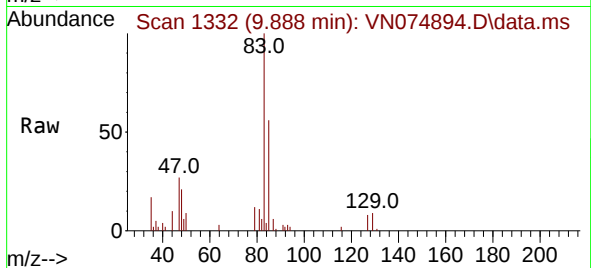
174 77.7 0.0 158.4





#41
Bromodichloromethane
Concen: 4.500 ug/l
RT: 9.888 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

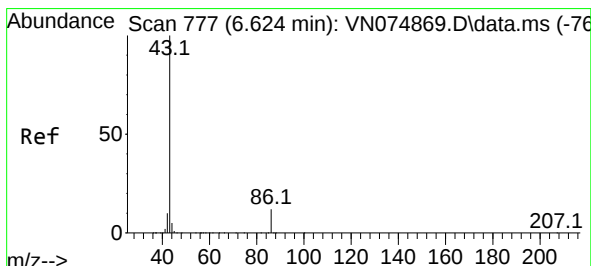
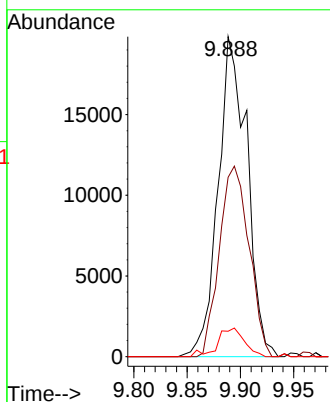
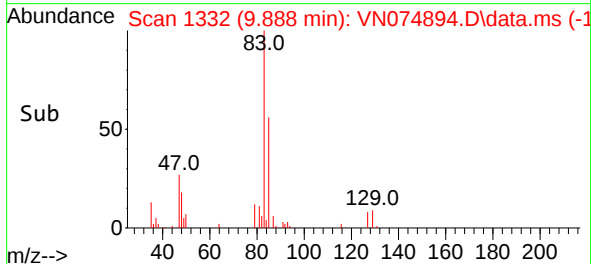
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



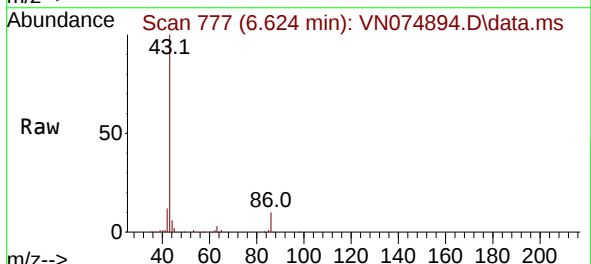
Tgt Ion: 83 Resp: 37384
Ion Ratio Lower Upper
83 100
85 56.1 50.2 75.4
127 8.0 5.1 7.7

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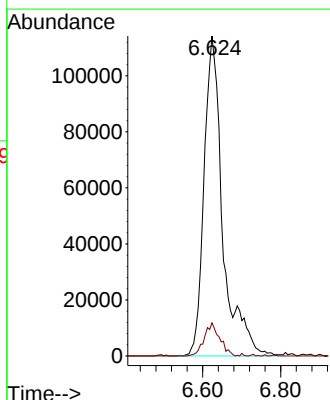
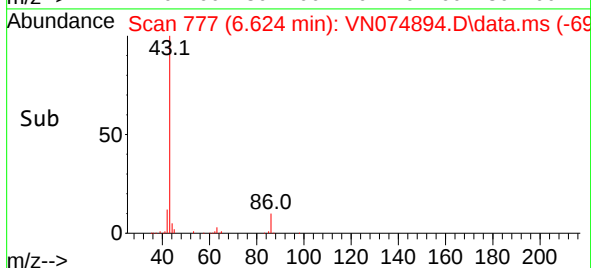
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022

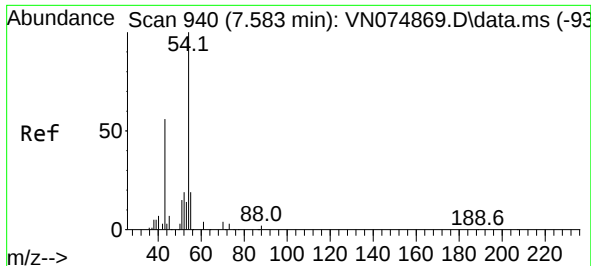


#42
Vinyl Acetate
Concen: 21.282 ug/l m
RT: 6.624 min Scan# 777
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01



Tgt Ion: 43 Resp: 380005
Ion Ratio Lower Upper
43 100
86 8.2 7.5 11.3





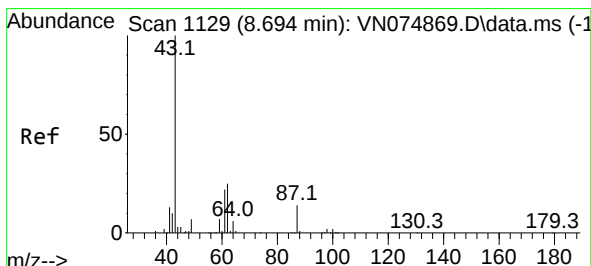
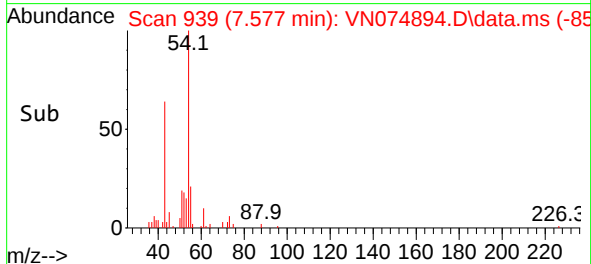
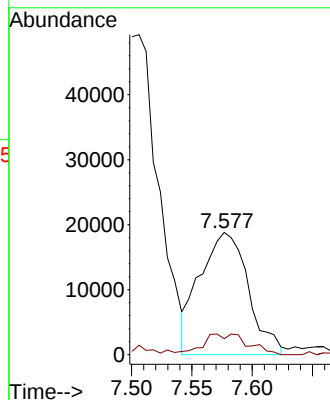
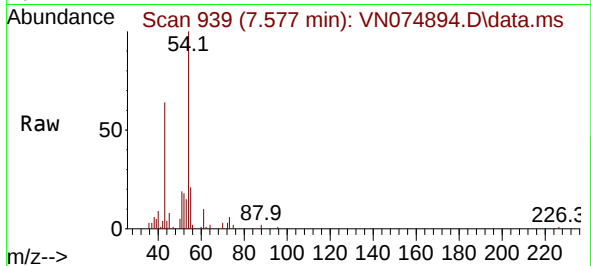
#43
Ethyl Acetate
Concen: 4.532 ug/l m
RT: 7.577 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

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

Tgt Ion: 43 Resp: 5281
Ion Ratio Lower Upper
43 100
45 0.5 11.5 17.3

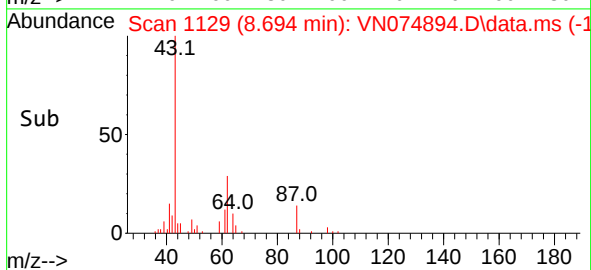
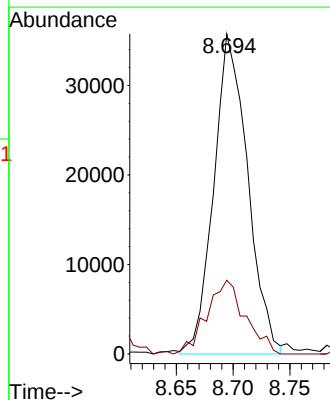
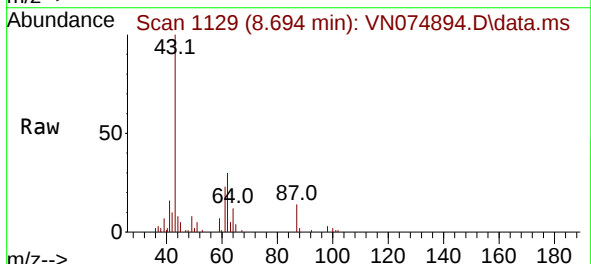
Manual Integrations
APPROVED

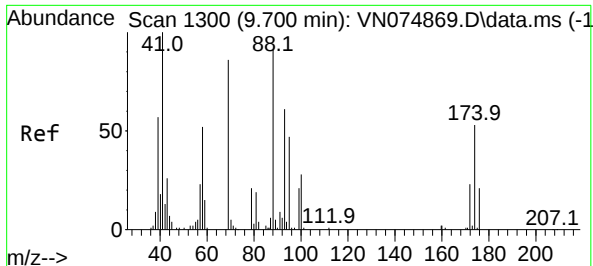
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#44
Isopropyl Acetate
Concen: 4.113 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

Tgt Ion: 43 Resp: 74131
Ion Ratio Lower Upper
43 100
61 26.1 19.5 29.3





#45

1,4-Dioxane

Concen: 80.557 ug/l

RT: 9.700 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2022DL

Tgt Ion: 88 Resp: 1331

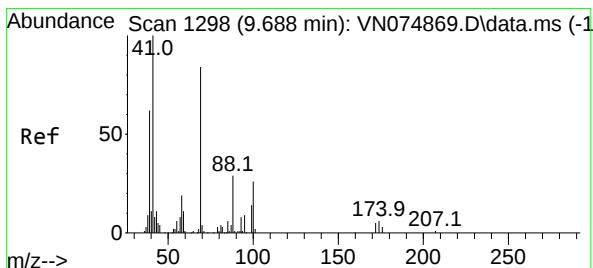
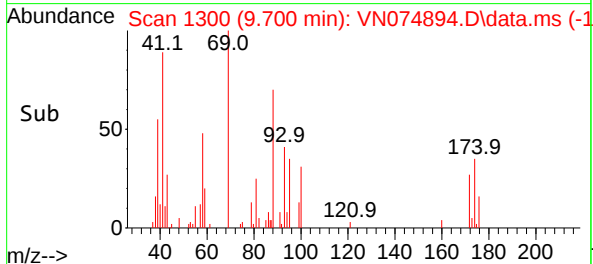
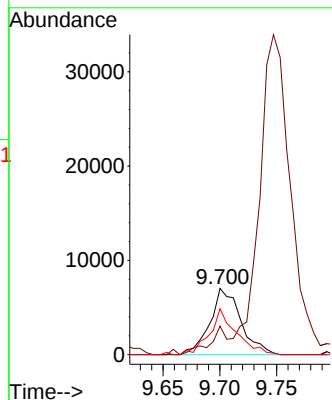
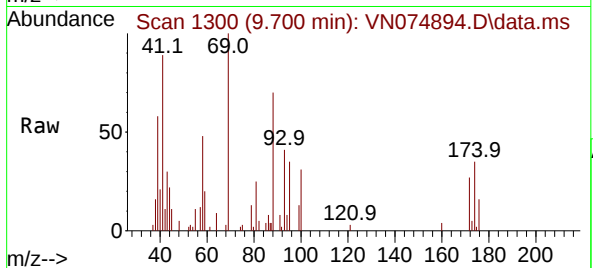
Ion	Ratio	Lower	Upper
88	100		
43	16.1	25.7	38.5
58	59.7	53.4	80.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/14/2022

Supervised By :Mahesh Dadoda 10/14/2022



#46

Methyl methacrylate

Concen: 3.342 ug/l

RT: 9.682 min Scan# 1297

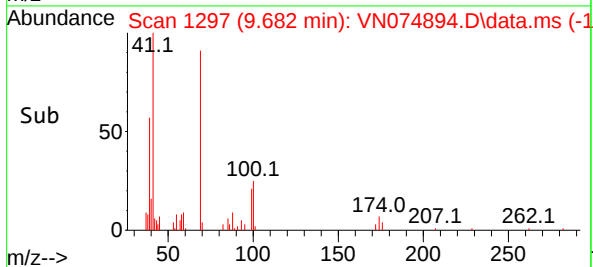
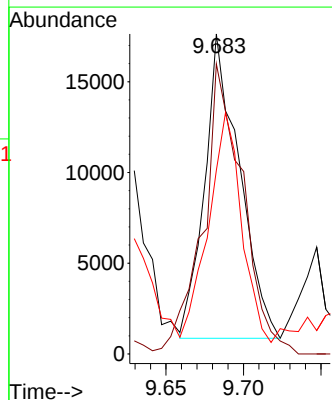
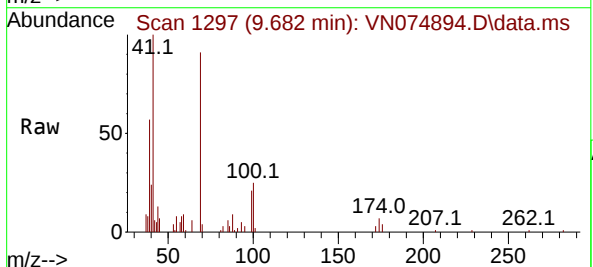
Delta R.T. -0.006 min

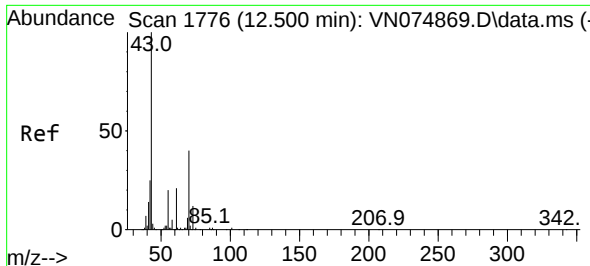
Lab File: VN074894.D

Acq: 13 Oct 2022 14:01

Tgt Ion: 41 Resp: 26086

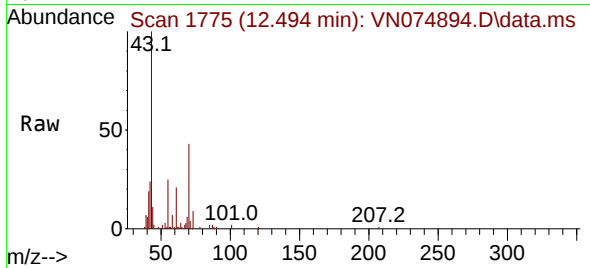
Ion	Ratio	Lower	Upper
41	100		
69	91.1	45.6	136.7
39	54.9	32.3	96.9





#47
n-amy1 Acetate
Concen: 3.644 ug/l
RT: 12.494 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

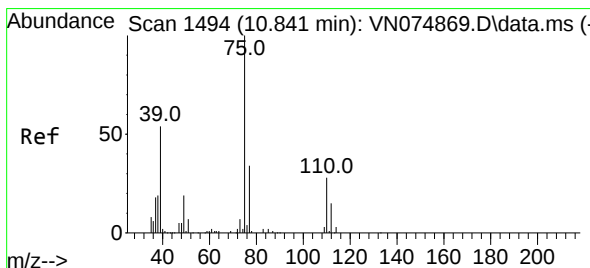
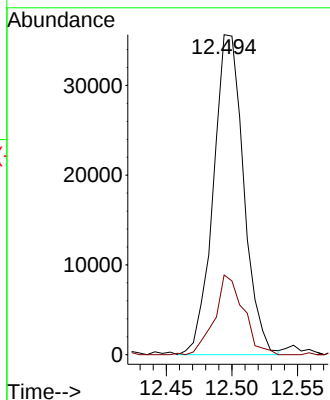
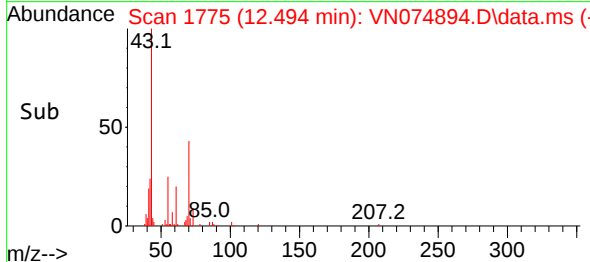
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 43 Resp: 57462
Ion Ratio Lower Upper
43 100
55 23.2 16.8 25.2

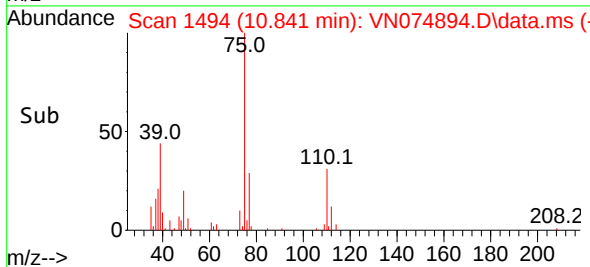
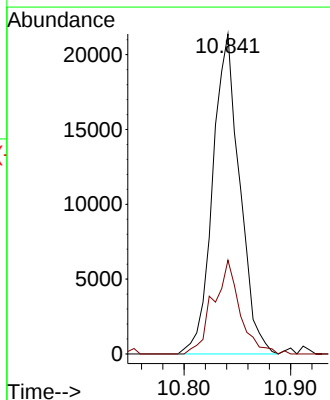
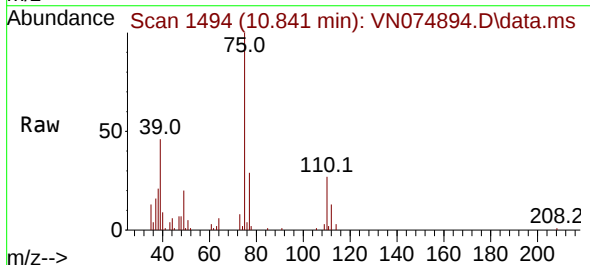
Manual Integrations
APPROVED

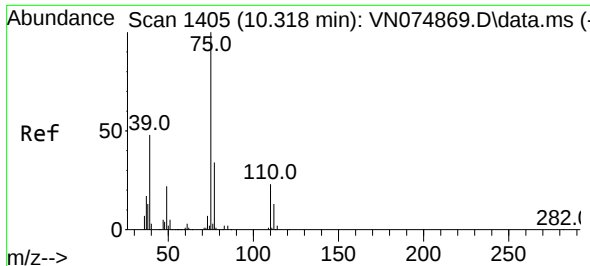
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#48
t-1,3-Dichloropropene
Concen: 3.947 ug/l
RT: 10.841 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

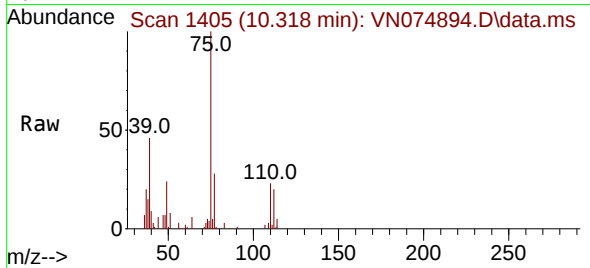
Tgt Ion: 75 Resp: 37619
Ion Ratio Lower Upper
75 100
77 29.3 25.8 38.8





#49
 cis-1,3-Dichloropropene
 Concen: 4.167 ug/l
 RT: 10.318 min Scan# 1405
 Delta R.T. -0.000 min
 Lab File: VN074894.D
 Acq: 13 Oct 2022 14:01

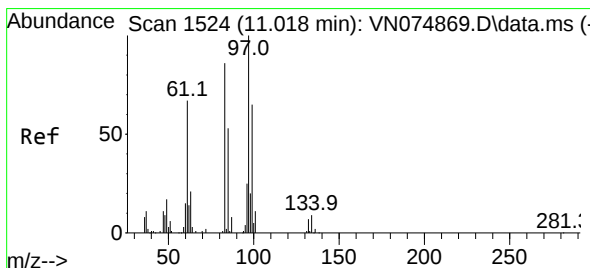
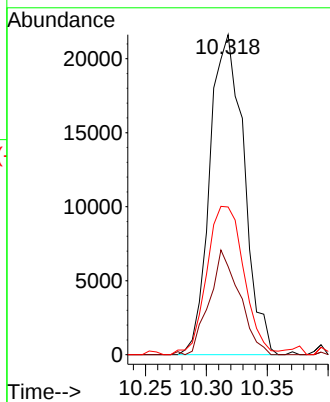
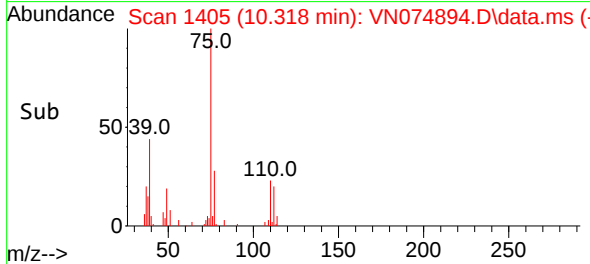
Instrument : MSVOA_N
 ClientSampleId : MDL-WATER-03-QT4-2022DL



Tgt Ion: 75 Resp: 4212
 Ion Ratio Lower Upper
 75 100
 77 27.6 22.5 33.7
 39 45.0 37.6 56.4

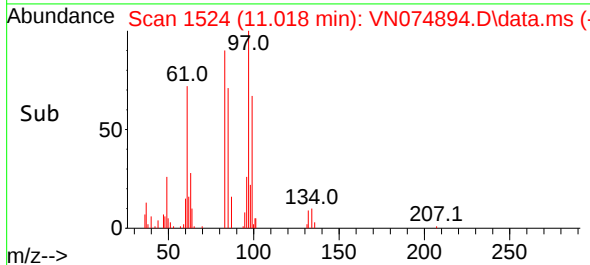
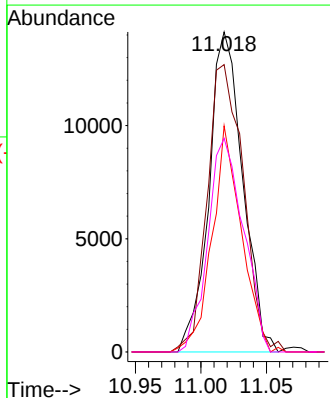
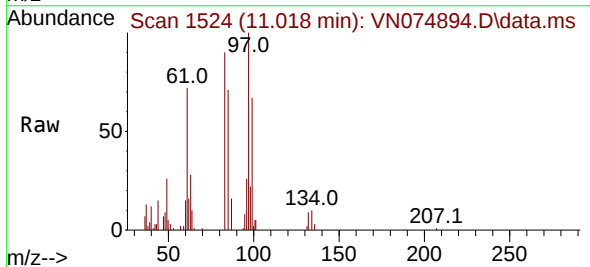
Manual Integrations
 APPROVED

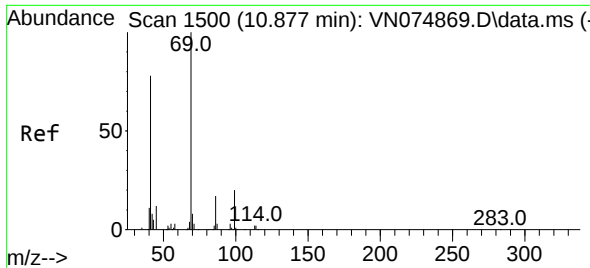
Reviewed By :John Carlone 10/14/2022
 Supervised By :Mahesh Dadoda 10/14/2022



#50
 1,1,2-Trichloroethane
 Concen: 4.041 ug/l
 RT: 11.018 min Scan# 1524
 Delta R.T. -0.000 min
 Lab File: VN074894.D
 Acq: 13 Oct 2022 14:01

Tgt Ion: 97 Resp: 25367
 Ion Ratio Lower Upper
 97 100
 83 88.2 69.2 103.8
 85 69.4 41.4 62.2#
 99 66.7 46.3 69.5





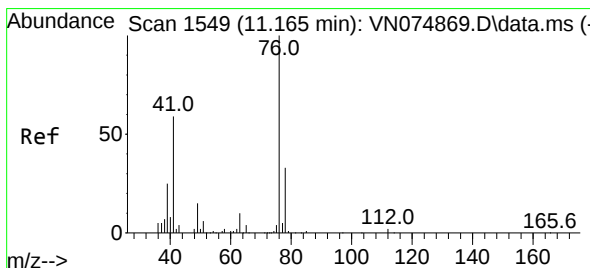
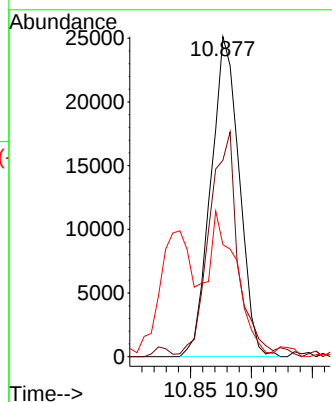
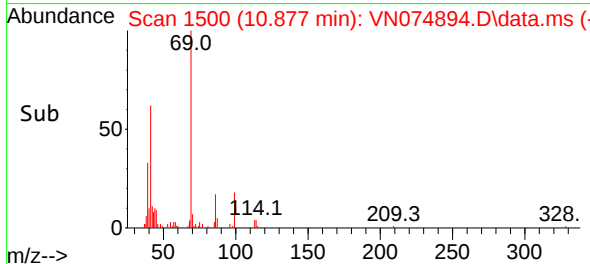
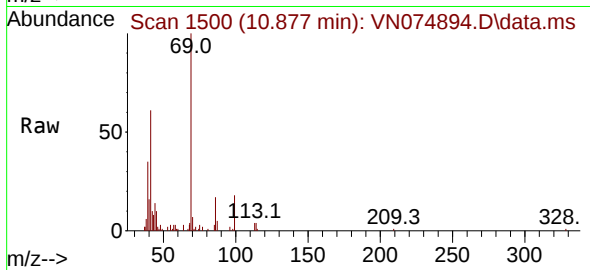
#51
Ethyl methacrylate
Concen: 3.828 ug/l
RT: 10.877 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

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

Tgt Ion: 69 Resp: 40868
Ion Ratio Lower Upper
69 100
41 60.5 32.5 97.5
39 31.9 21.5 64.5

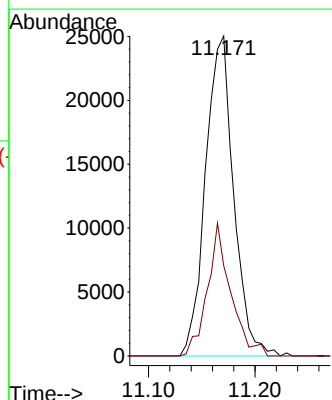
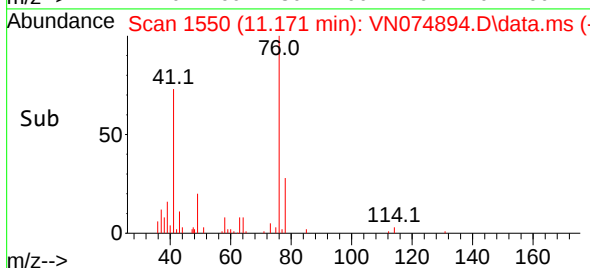
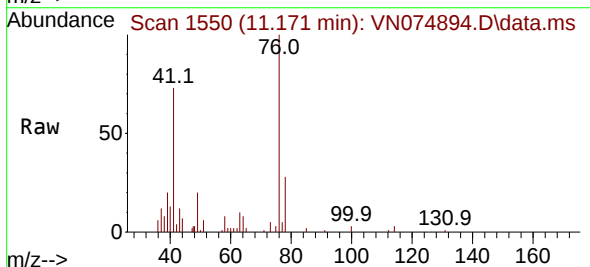
Manual Integrations
APPROVED

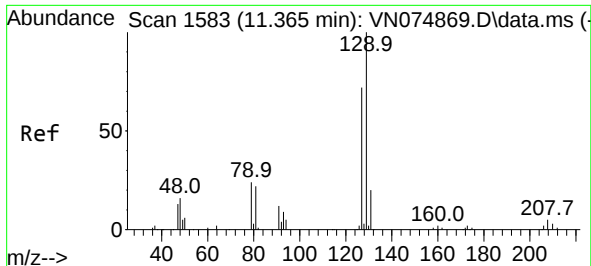
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#52
1,3-Dichloropropane
Concen: 4.240 ug/l
RT: 11.171 min Scan# 1550
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

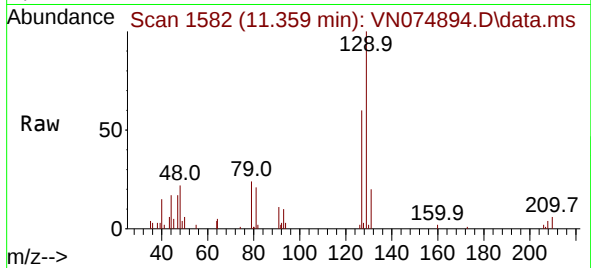
Tgt Ion: 76 Resp: 45943
Ion Ratio Lower Upper
76 100
78 33.1 0.0 63.8





#53
Dibromochloromethane
Concen: 4.079 ug/l
RT: 11.359 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

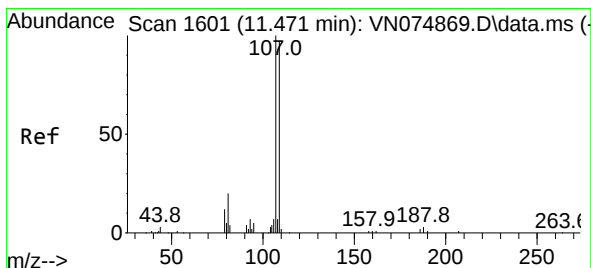
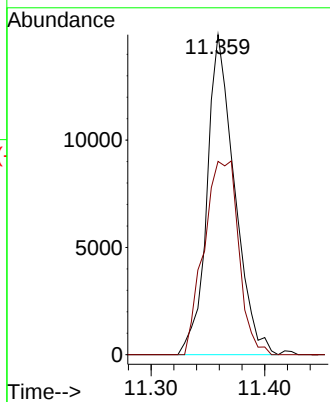
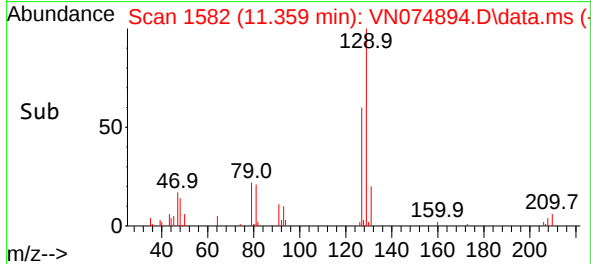
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



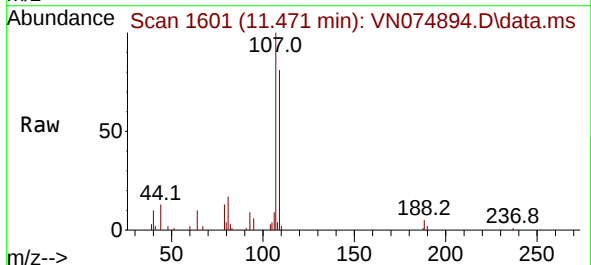
Tgt Ion:129 Resp: 25089
Ion Ratio Lower Upper
129 100
127 76.2 40.6 121.7

Manual Integrations
APPROVED

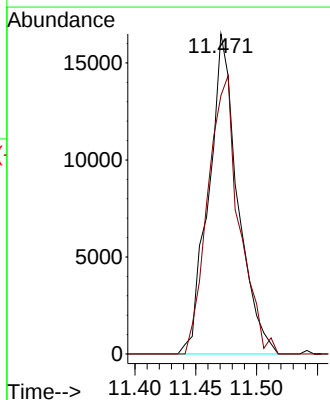
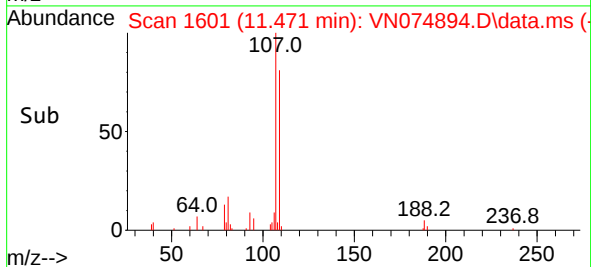
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022

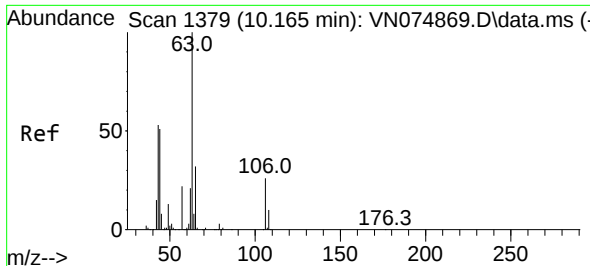


#54
1,2-Dibromoethane
Concen: 4.554 ug/l
RT: 11.471 min Scan# 1601
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01



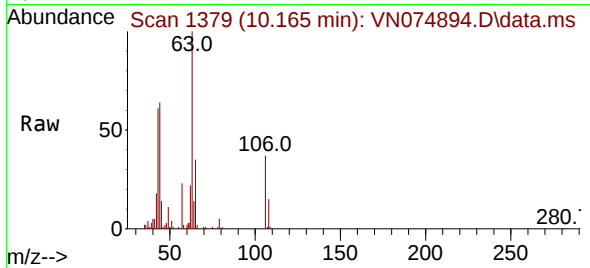
Tgt Ion:107 Resp: 27465
Ion Ratio Lower Upper
107 100
109 92.3 76.2 114.2





#55
2-Chloroethyl vinyl ether
Concen: 17.238 ug/l
RT: 10.165 min Scan# 1379
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

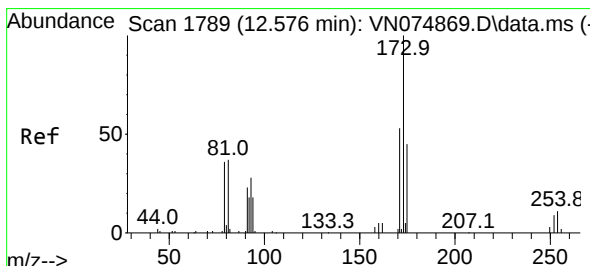
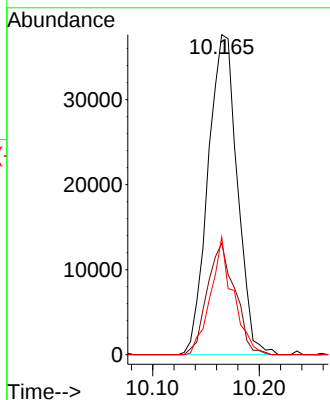
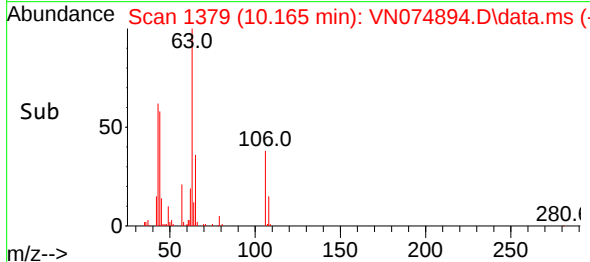
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 63 Resp: 71979
Ion Ratio Lower Upper
63 100
65 32.9 24.6 36.8
106 28.5 21.3 31.9

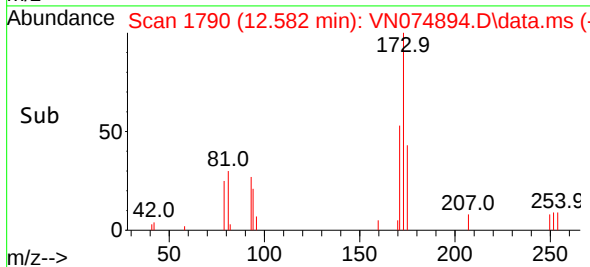
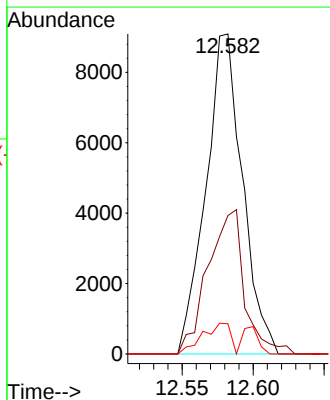
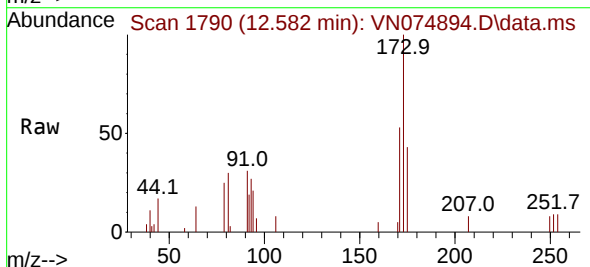
Manual Integrations
APPROVED

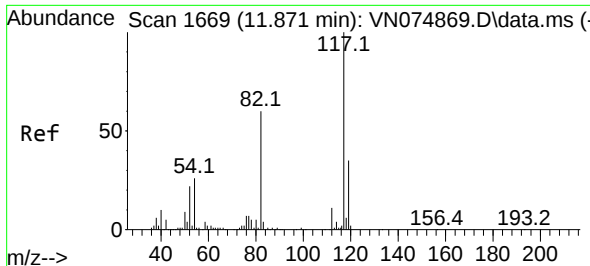
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#56
Bromoform
Concen: 3.675 ug/l
RT: 12.582 min Scan# 1790
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

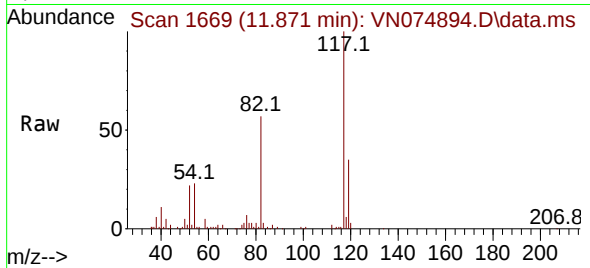
Tgt Ion:173 Resp: 16289
Ion Ratio Lower Upper
173 100
175 44.9 39.1 58.7
254 7.3 7.0 10.6





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

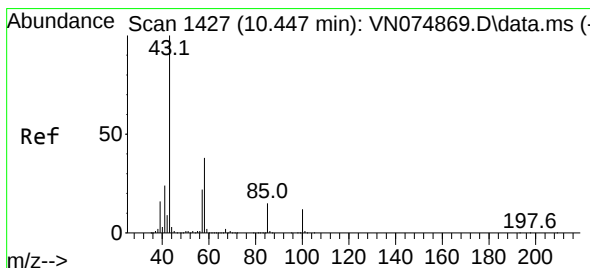
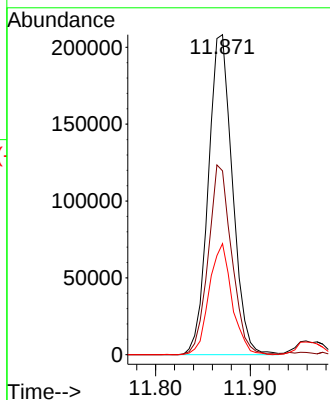
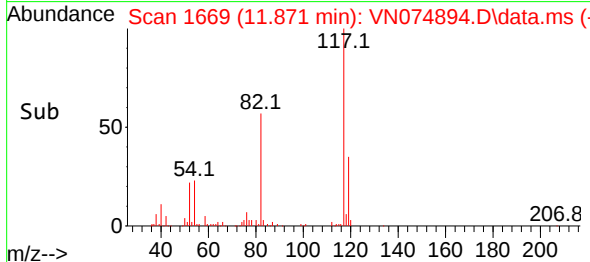
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



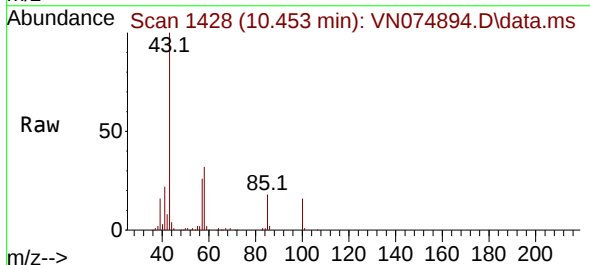
Tgt Ion: 117 Resp: 368399
Ion Ratio Lower Upper
117 100
82 57.5 44.6 67.0
119 32.9 25.6 38.4

Manual Integrations
APPROVED

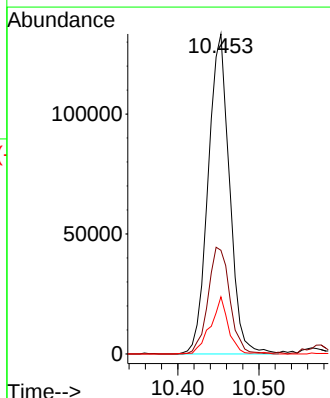
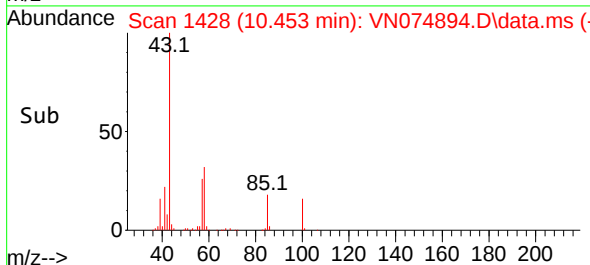
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022

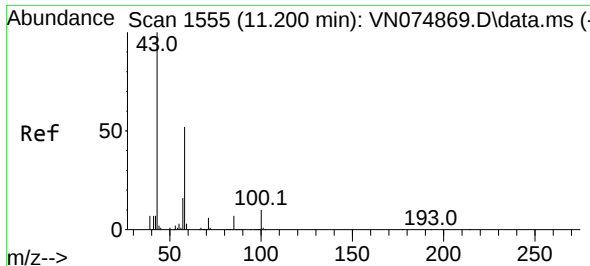


#58
4-Methyl-2-Pentanone
Concen: 21.273 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01



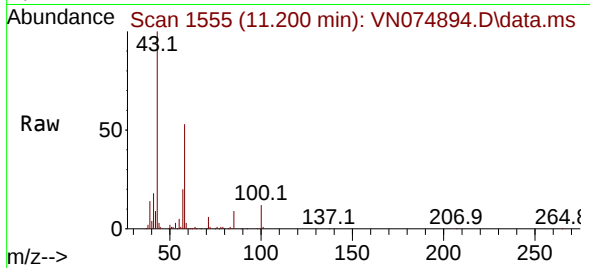
Tgt Ion: 43 Resp: 243729
Ion Ratio Lower Upper
43 100
58 34.0 30.8 46.2
85 14.3 13.3 19.9





#59
2-Hexanone
Concen: 20.825 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

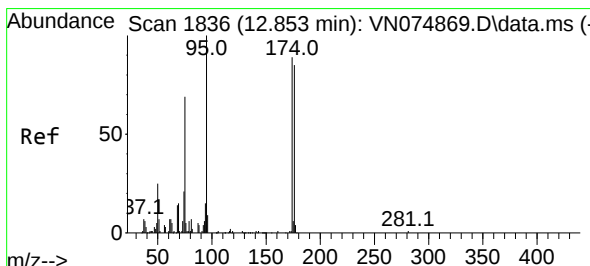
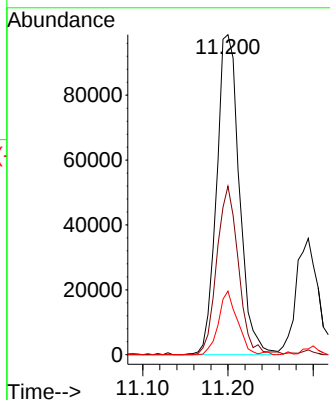
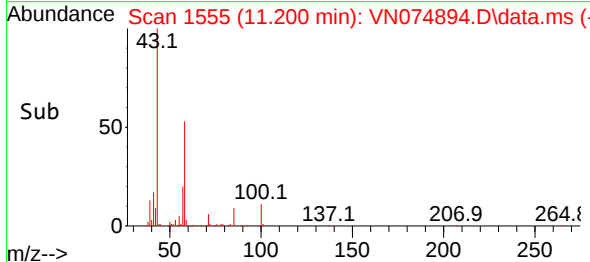
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 43 Resp: 183624
Ion Ratio Lower Upper
43 100
58 49.6 43.6 65.4
57 16.4 14.3 21.5

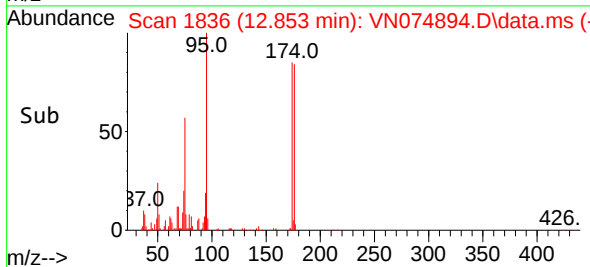
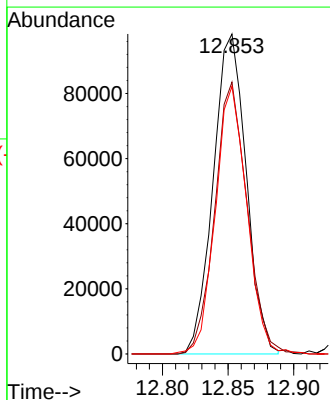
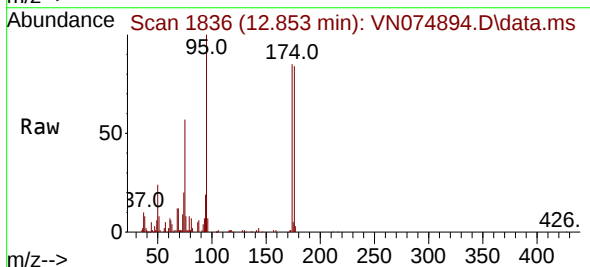
Manual Integrations
APPROVED

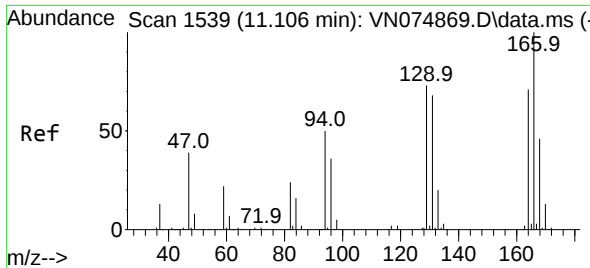
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#60
4-Bromofluorobenzene
Concen: 26.307 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

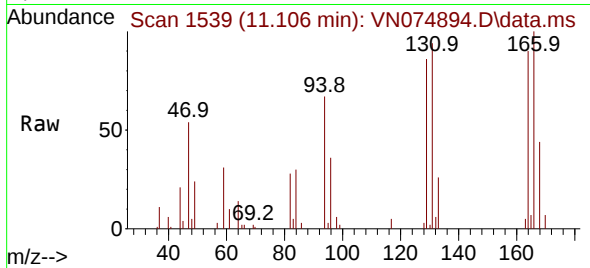
Tgt Ion: 95 Resp: 171869
Ion Ratio Lower Upper
95 100
174 82.9 57.8 86.8
176 79.7 57.0 85.4





#61
Tetrachloroethene
Concen: 4.740 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

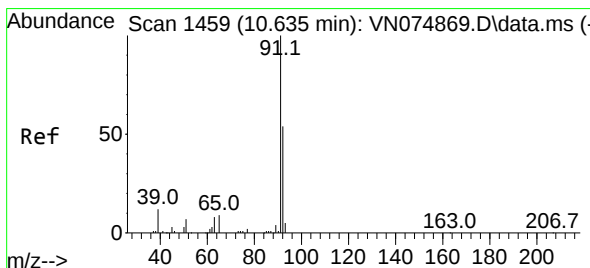
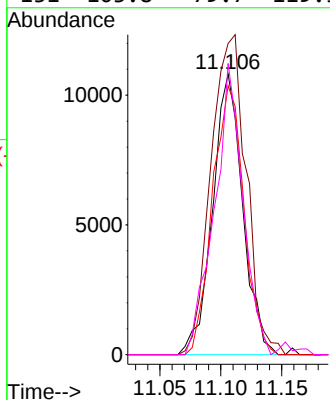
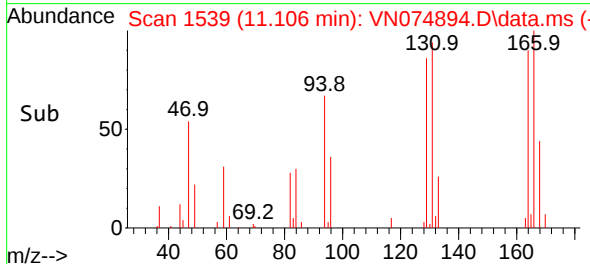
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



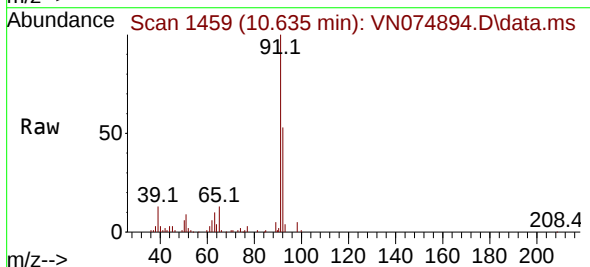
Tgt Ion:164 Resp: 1861
Ion Ratio Lower Upper
164 100
166 110.9 99.6 149.4
129 95.9 84.0 126.0
131 103.8 79.7 119.5

Manual Integrations
APPROVED

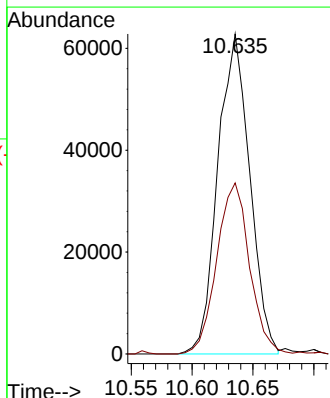
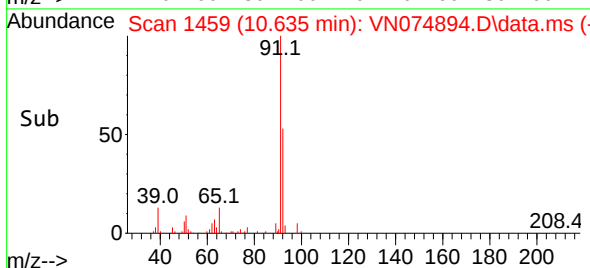
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022

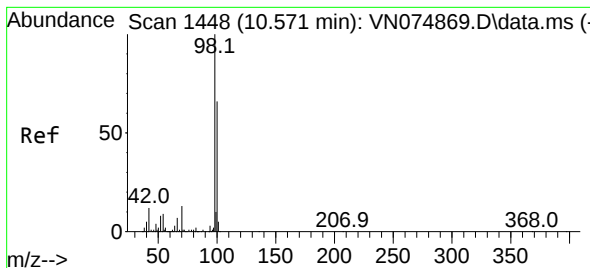


#62
Toluene
Concen: 4.500 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01



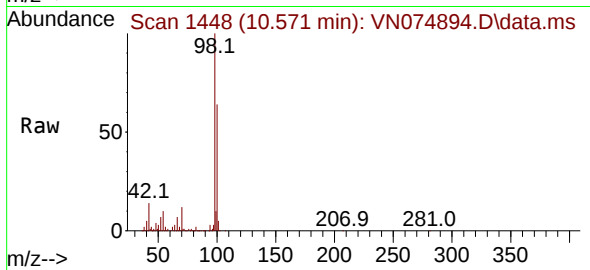
Tgt Ion: 91 Resp: 114532
Ion Ratio Lower Upper
91 100
92 54.9 46.0 69.0





#63
Toluene-d8
Concen: 31.487 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

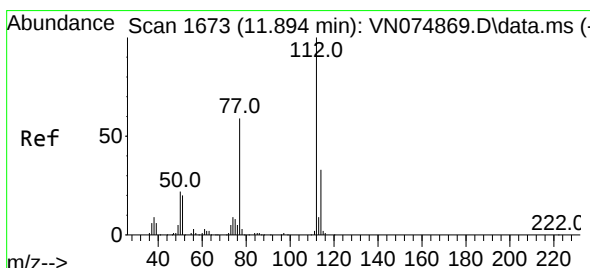
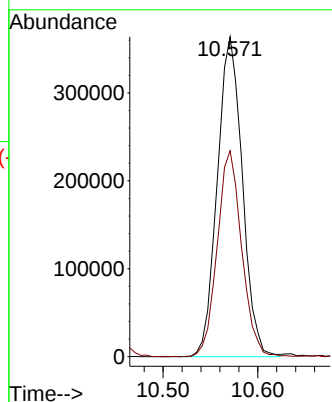
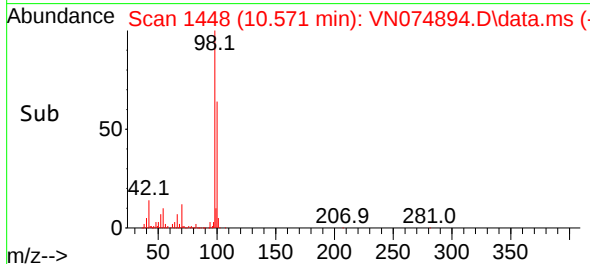
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion: 98 Resp: 66947
Ion Ratio Lower Upper
98 100
100 62.8 52.7 79.1

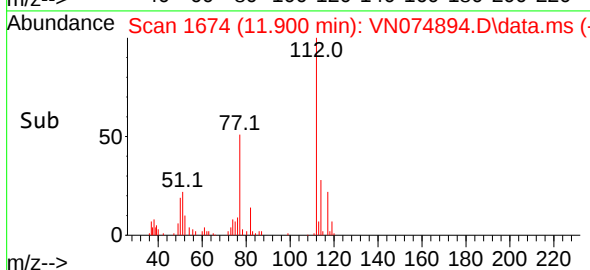
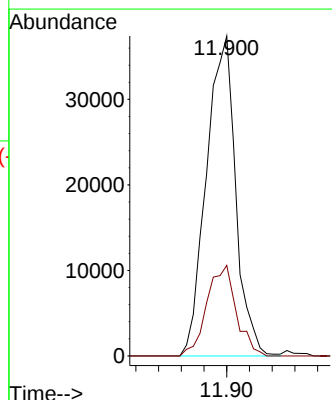
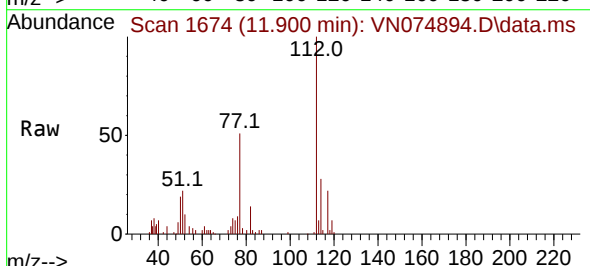
Manual Integrations
APPROVED

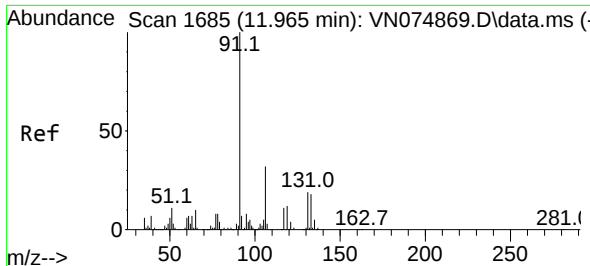
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#64
Chlorobenzene
Concen: 4.636 ug/l
RT: 11.900 min Scan# 1674
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

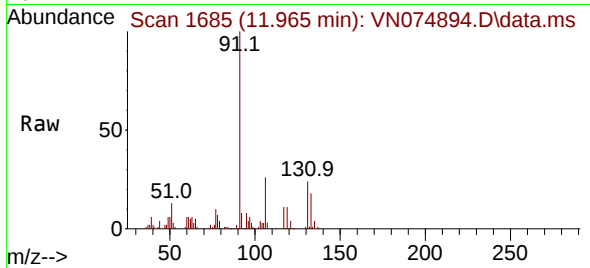
Tgt Ion:112 Resp: 67075
Ion Ratio Lower Upper
112 100
114 28.3 24.7 37.1





#65
1,1,1,2-Tetrachloroethane
Concen: 4.494 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

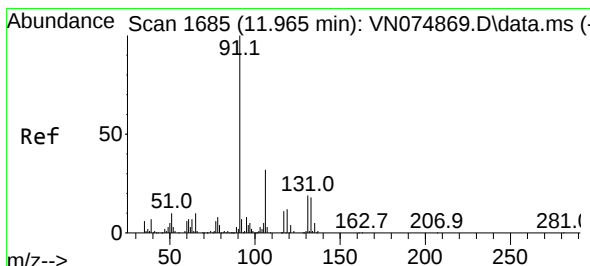
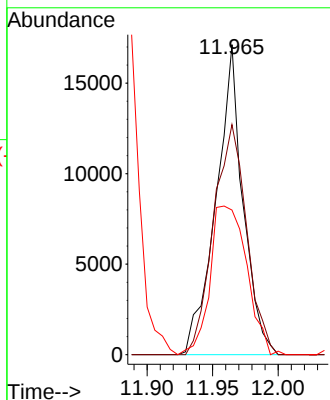
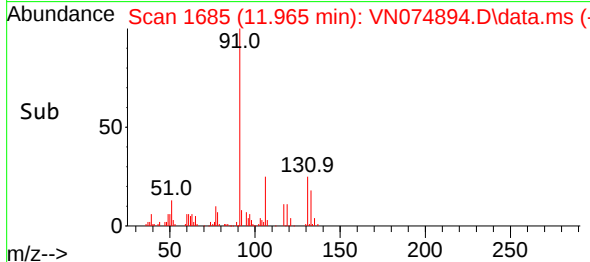
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



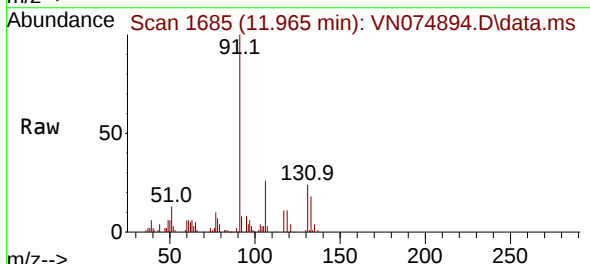
Tgt Ion:131 Resp: 24489
Ion Ratio Lower Upper
131 100
133 91.2 0.0 191.8
119 65.1 0.0 135.8

Manual Integrations
APPROVED

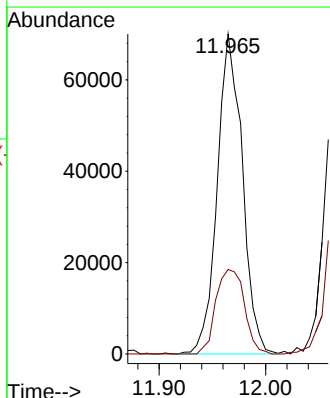
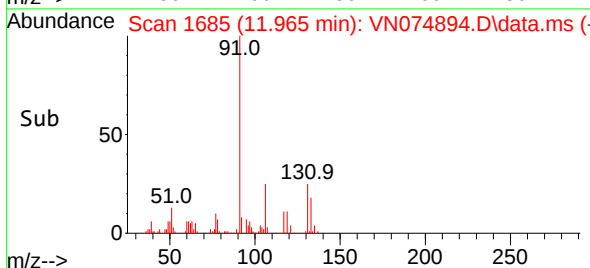
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022

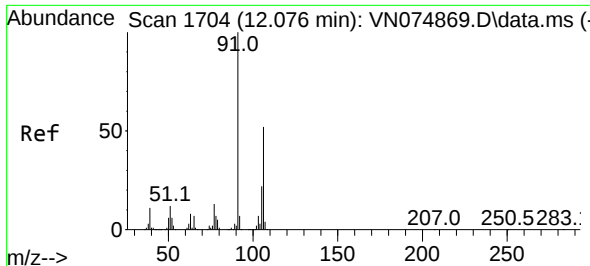


#66
Ethyl Benzene
Concen: 4.132 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01



Tgt Ion: 91 Resp: 114351
Ion Ratio Lower Upper
91 100
106 26.4 24.1 36.1





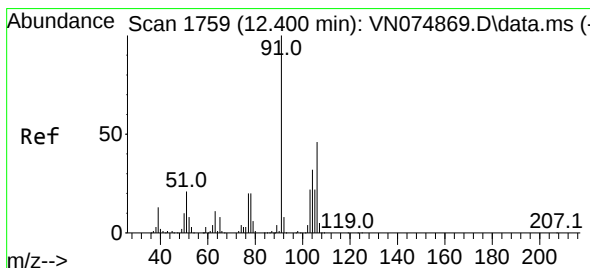
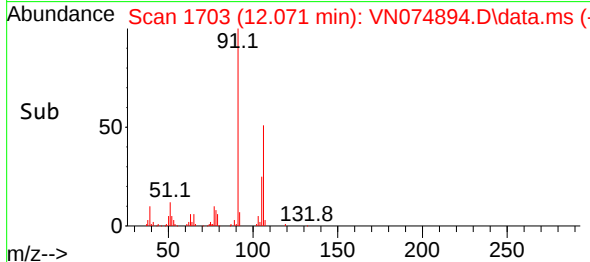
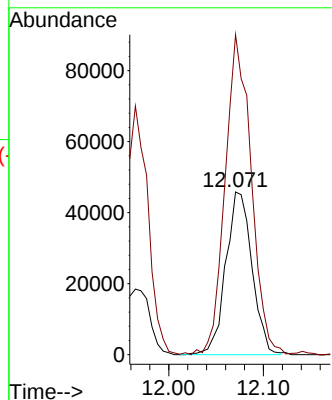
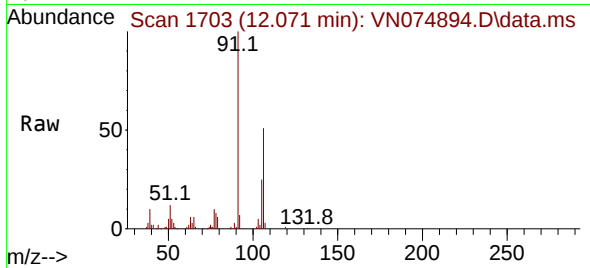
#67
m/p-Xylenes
Concen: 8.459 ug/l
RT: 12.071 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

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

Tgt Ion:106 Resp: 87948
Ion Ratio Lower Upper
106 100
91 195.8 164.2 246.4

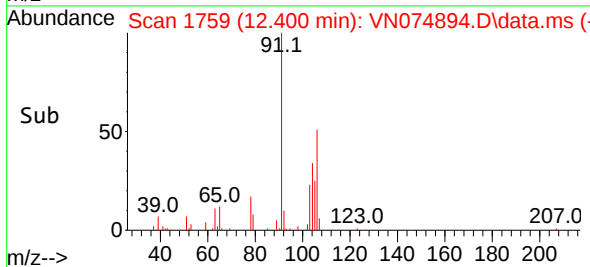
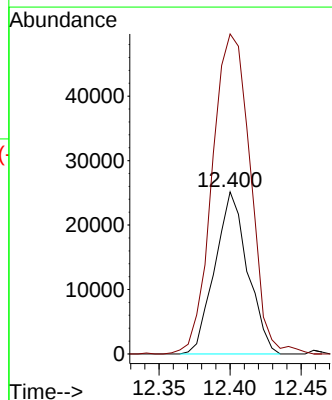
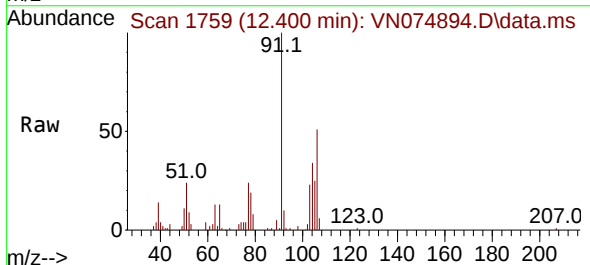
Manual Integrations
APPROVED

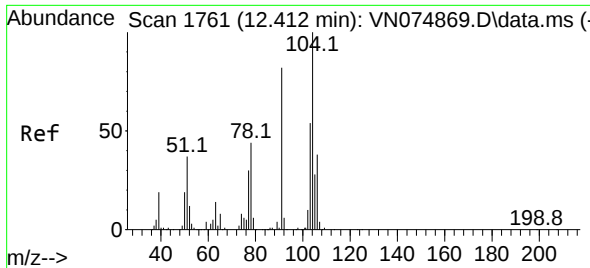
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#68
o-Xylene
Concen: 3.814 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

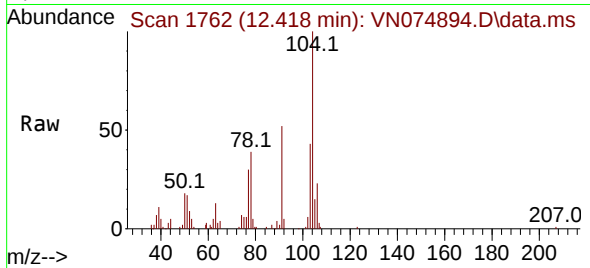
Tgt Ion:106 Resp: 40306
Ion Ratio Lower Upper
106 100
91 228.0 108.5 325.5





#69
Styrene
Concen: 3.712 ug/l
RT: 12.418 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

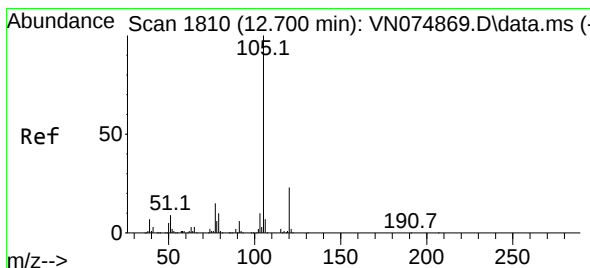
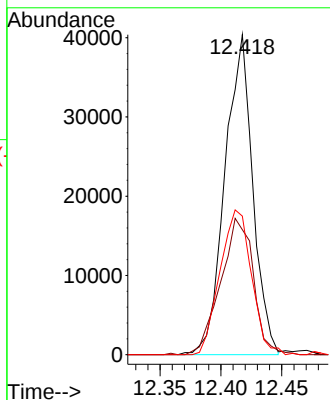
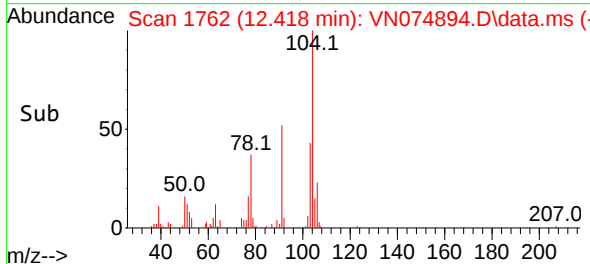
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



Tgt Ion:104 Resp: 6421
Ion Ratio Lower Upper
104 100
78 50.0 39.9 59.9
103 51.2 43.8 65.8

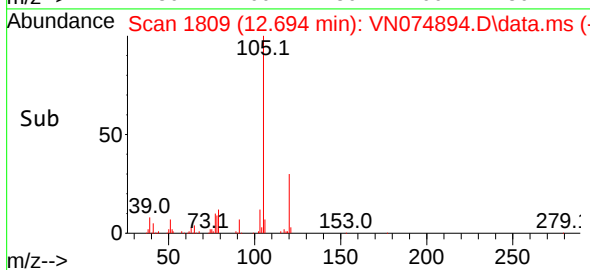
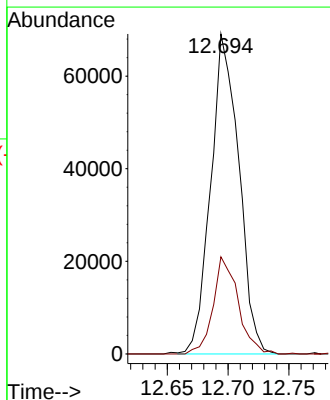
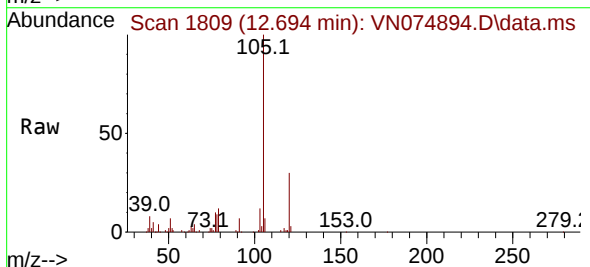
Manual Integrations
APPROVED

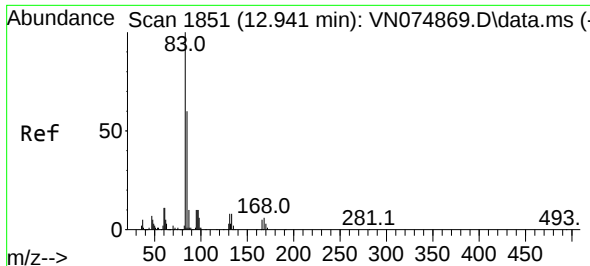
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#70
Isopropylbenzene
Concen: 4.078 ug/l
RT: 12.694 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

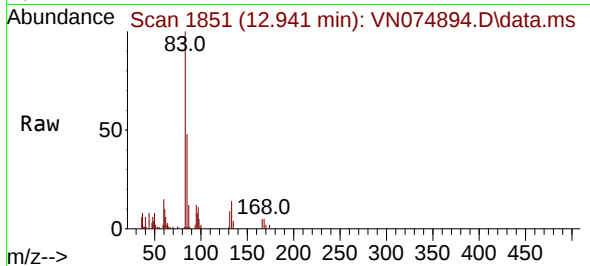
Tgt Ion:105 Resp: 111162
Ion Ratio Lower Upper
105 100
120 27.0 18.5 34.3





#71
1,1,2,2-Tetrachloroethane
Concen: 4.418 ug/l
RT: 12.941 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

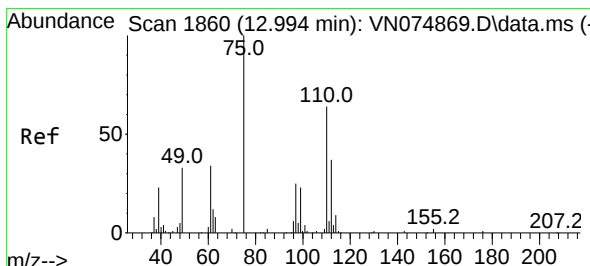
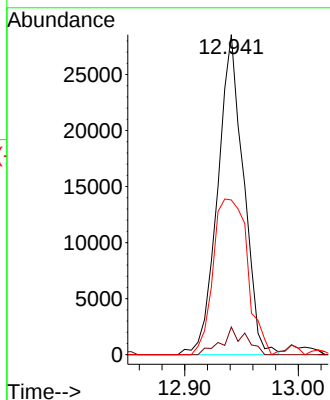
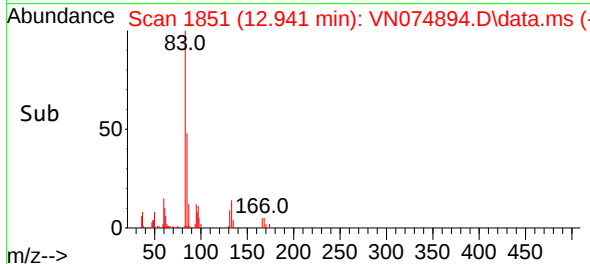
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



Tgt Ion: 83 Resp: 45052
Ion Ratio Lower Upper
83 100
131 8.0 4.5 13.5
85 64.4 30.9 92.7

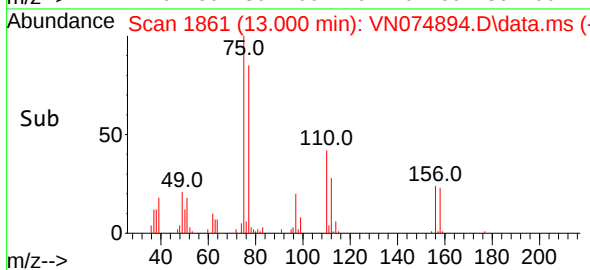
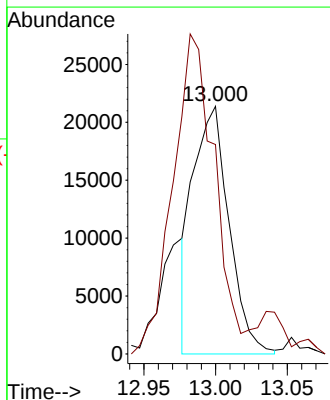
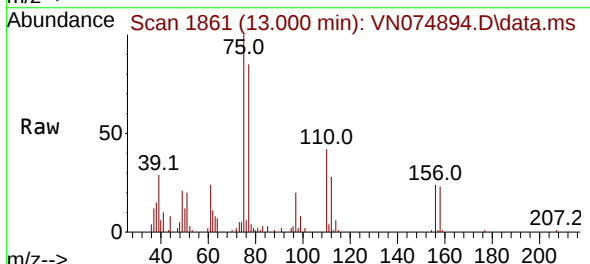
Manual Integrations
APPROVED

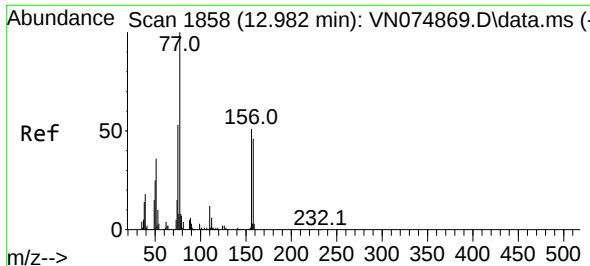
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#72
1,2,3-Trichloropropane
Concen: 4.351 ug/l m
RT: 13.000 min Scan# 1861
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

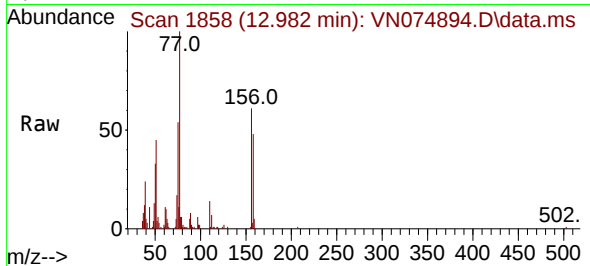
Tgt Ion: 75 Resp: 37268
Ion Ratio Lower Upper
75 100
77 148.4 0.0 372.4





#73
Bromobenzene
Concen: 4.505 ug/l
RT: 12.982 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

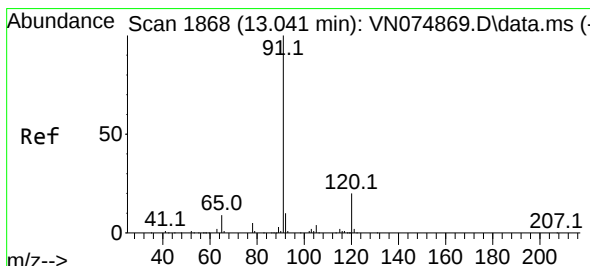
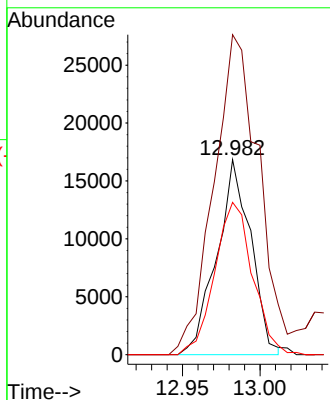
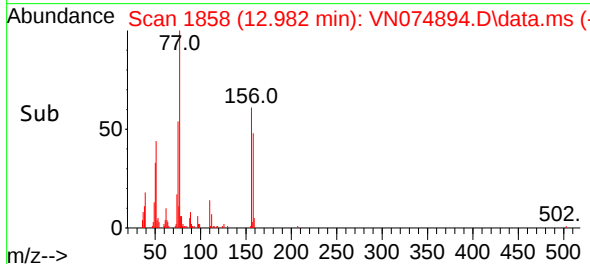
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



Tgt Ion:156 Resp: 2573
Ion Ratio Lower Upper
156 100
77 215.0 0.0 491.8
158 87.0 0.0 185.0

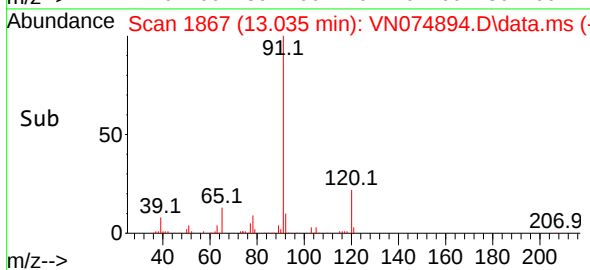
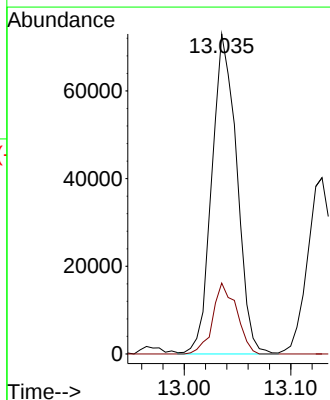
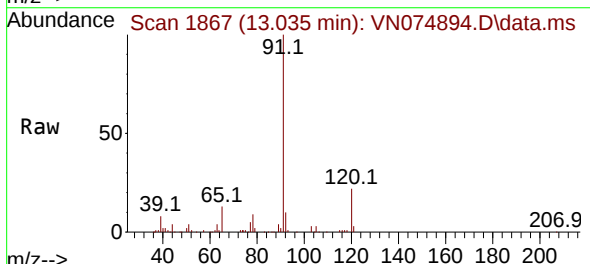
Manual Integrations
APPROVED

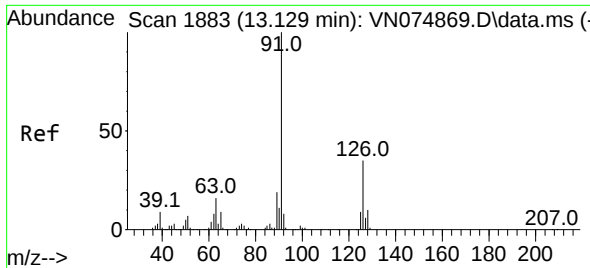
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#74
n-propylbenzene
Concen: 3.736 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

Tgt Ion: 91 Resp: 118724
Ion Ratio Lower Upper
91 100
120 21.2 0.0 44.6





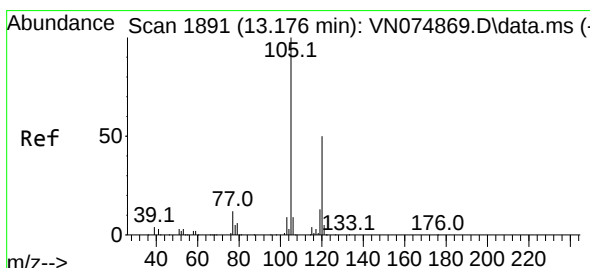
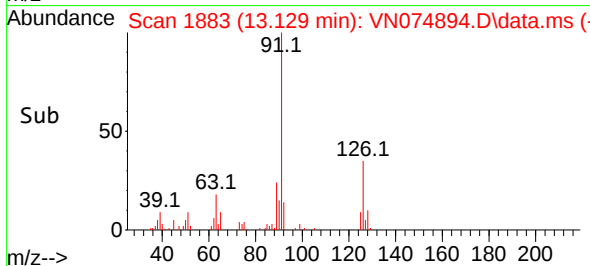
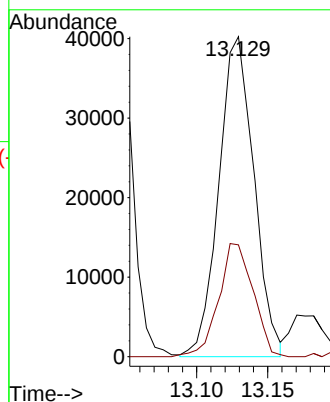
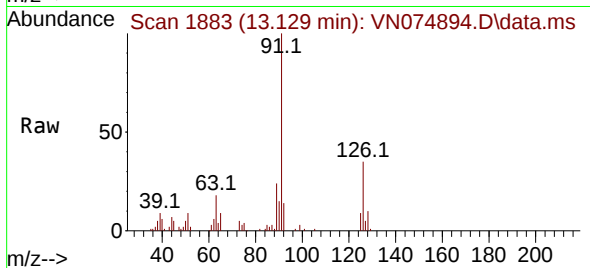
#75
2-Chlorotoluene
Concen: 3.724 ug/l
RT: 13.129 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

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

Tgt Ion: 91 Resp: 6923
Ion Ratio Lower Upper
91 100
126 34.7 0.0 66.2

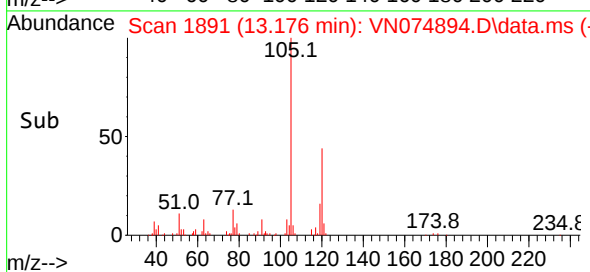
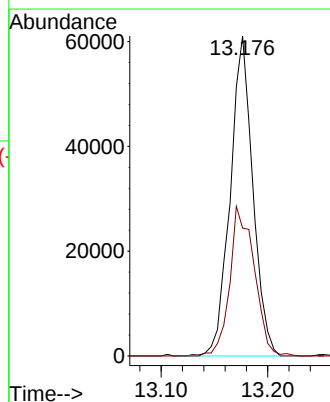
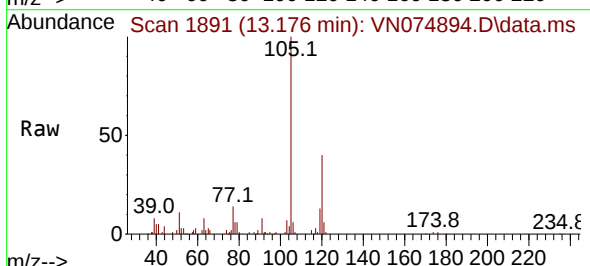
Manual Integrations
APPROVED

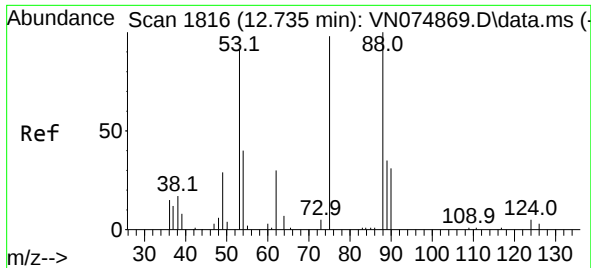
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#76
1,3,5-Trimethylbenzene
Concen: 4.074 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

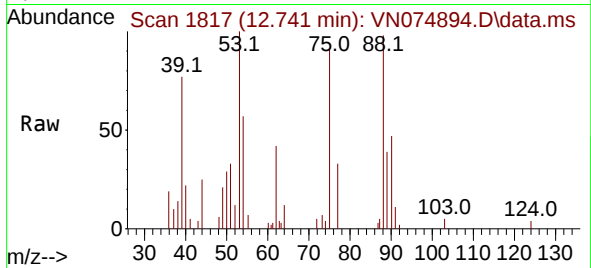
Tgt Ion:105 Resp: 90246
Ion Ratio Lower Upper
105 100
120 50.2 0.0 97.4





#77
t-1,4-Dichloro-2-butene
Concen: 3.149 ug/l
RT: 12.741 min Scan# 1816
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

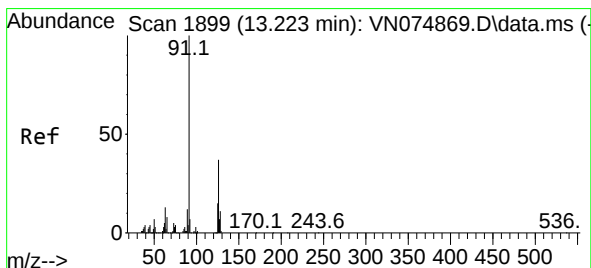
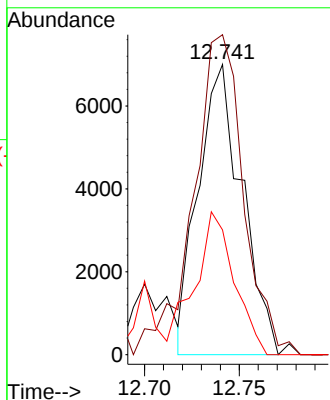
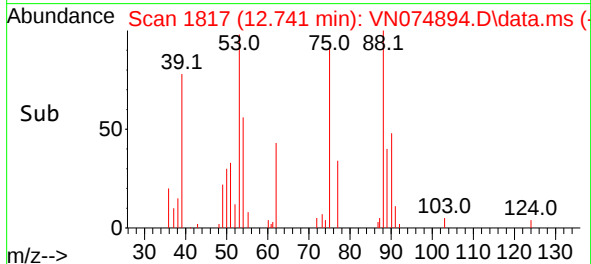
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



Tgt Ion: 75 Resp: 11208
Ion Ratio Lower Upper
75 100
53 107.2 43.3 129.9
89 43.0 21.1 63.1

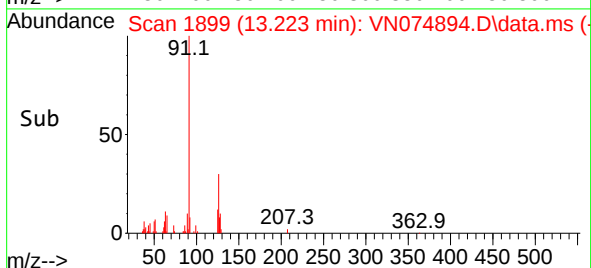
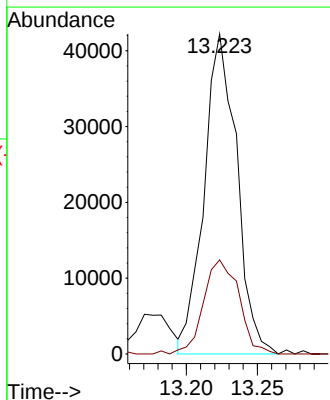
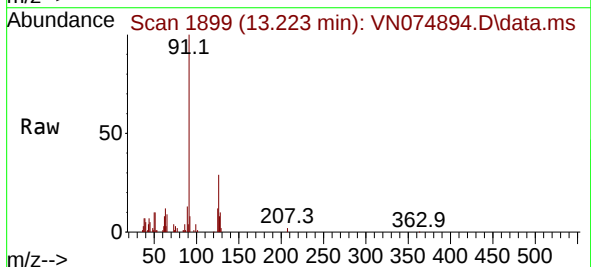
Manual Integrations
APPROVED

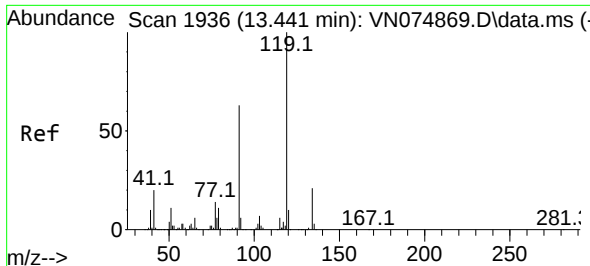
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#78
4-Chlorotoluene
Concen: 3.803 ug/l
RT: 13.223 min Scan# 1899
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

Tgt Ion: 91 Resp: 67477
Ion Ratio Lower Upper
91 100
126 31.8 0.0 67.8





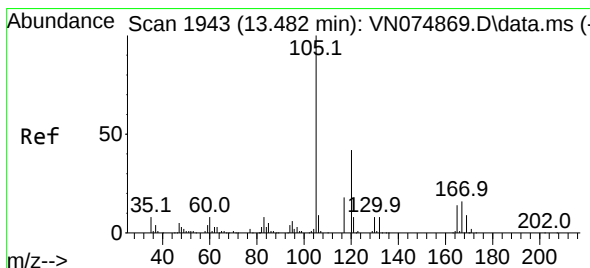
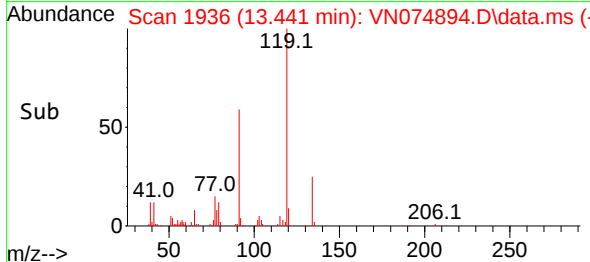
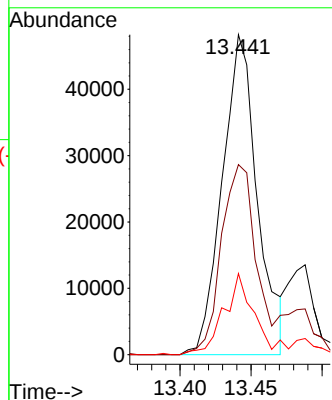
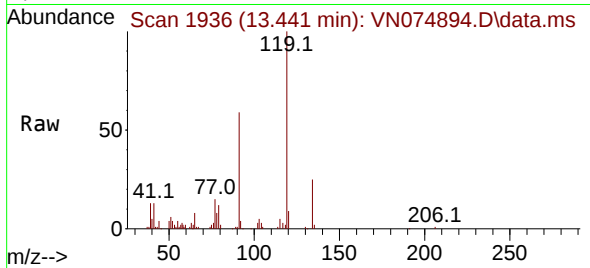
#79
tert-butylbenzene
Concen: 4.203 ug/l
RT: 13.441 min Scan# 1936
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

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

Tgt Ion:119 Resp: 82815
Ion Ratio Lower Upper
119 100
91 58.3 0.0 129.0
134 20.9 0.0 52.2

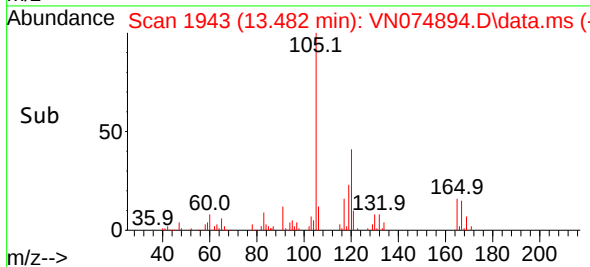
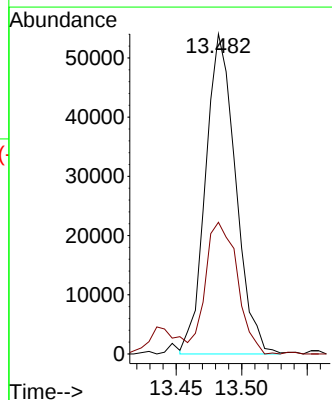
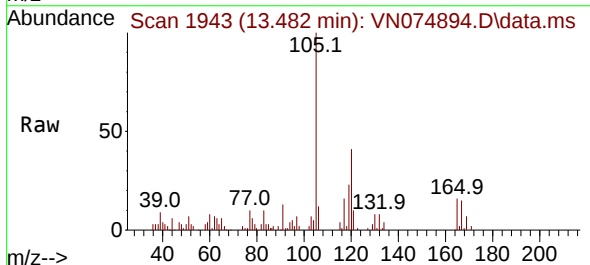
Manual Integrations
APPROVED

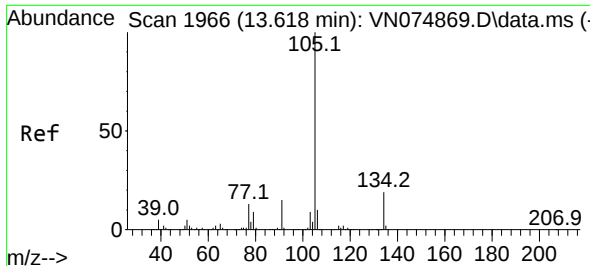
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#80
1,2,4-Trimethylbenzene
Concen: 3.876 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

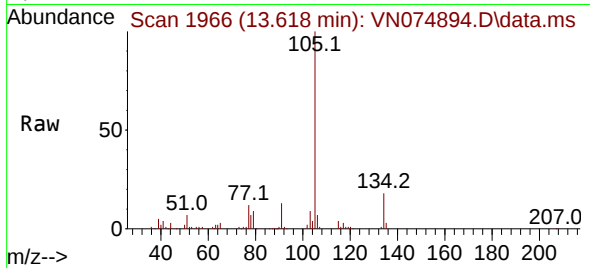
Tgt Ion:105 Resp: 86389
Ion Ratio Lower Upper
105 100
120 43.3 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 3.707 ug/l
 RT: 13.618 min Scan# 1966
 Delta R.T. -0.000 min
 Lab File: VN074894.D
 Acq: 13 Oct 2022 14:01

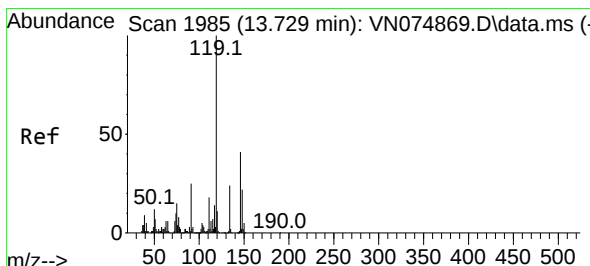
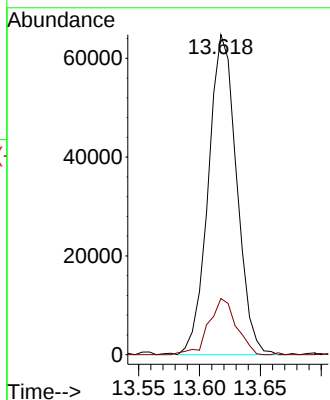
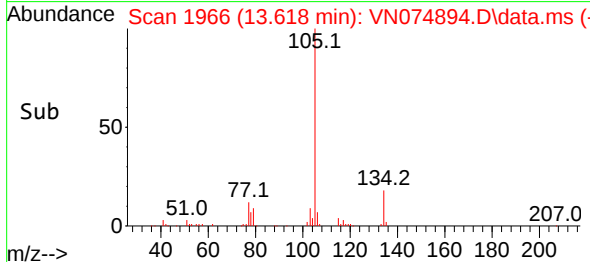
Instrument : MSVOA_N
 ClientSampleId : MDL-WATER-03-QT4-2022DL



Tgt Ion:105 Resp: 104962
 Ion Ratio Lower Upper
 105 100
 134 16.0 0.0 38.8

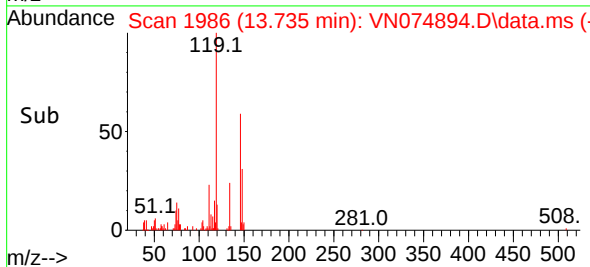
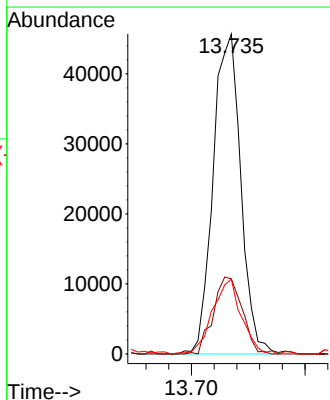
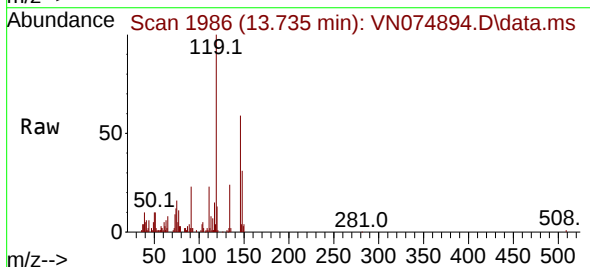
Manual Integrations
 APPROVED

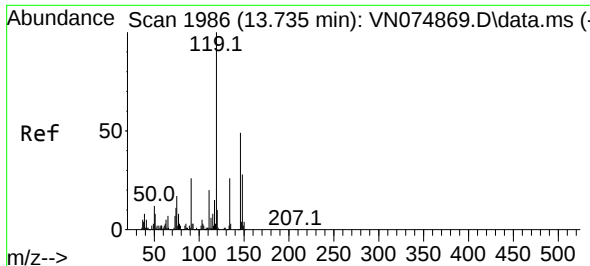
Reviewed By :John Carlone 10/14/2022
 Supervised By :Mahesh Dadoda 10/14/2022



#82
 p-Isopropyltoluene
 Concen: 3.432 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN074894.D
 Acq: 13 Oct 2022 14:01

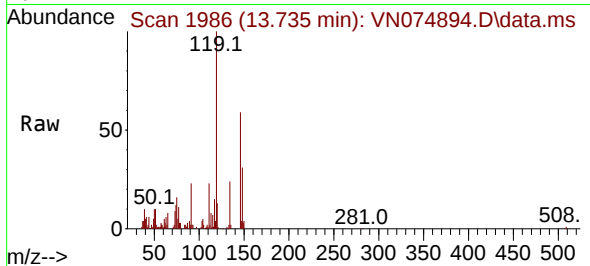
Tgt Ion:119 Resp: 77223
 Ion Ratio Lower Upper
 119 100
 134 24.8 0.0 51.4
 91 24.3 0.0 46.8





#83
1,3-Dichlorobenzene
Concen: 3.740 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

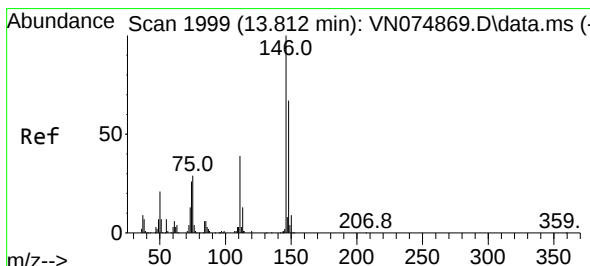
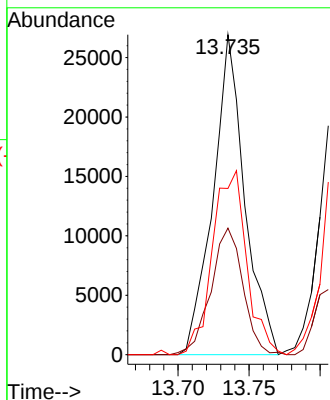
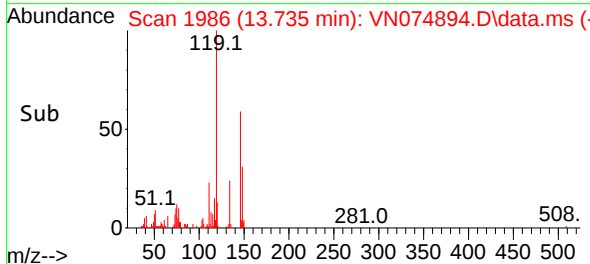
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2022DL



Tgt Ion:146 Resp: 41688
Ion Ratio Lower Upper
146 100
111 40.3 20.5 61.5
148 62.1 31.0 93.0

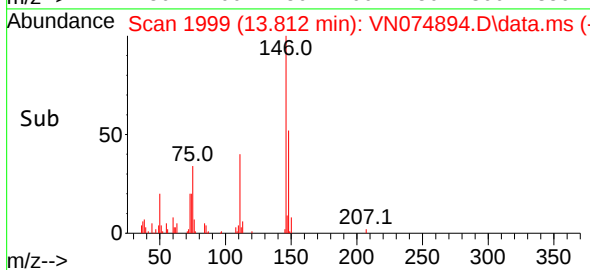
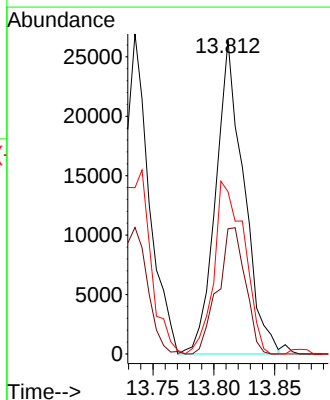
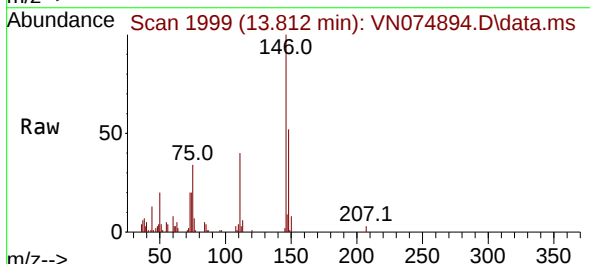
Manual Integrations
APPROVED

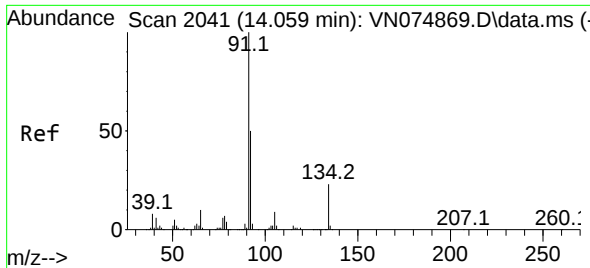
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#84
1,4-Dichlorobenzene
Concen: 3.945 ug/l
RT: 13.812 min Scan# 1999
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

Tgt Ion:146 Resp: 42228
Ion Ratio Lower Upper
146 100
111 39.7 19.1 57.5
148 59.5 31.7 95.1





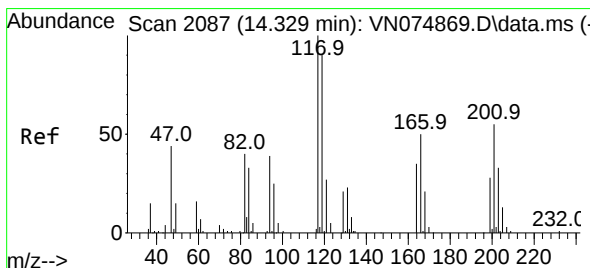
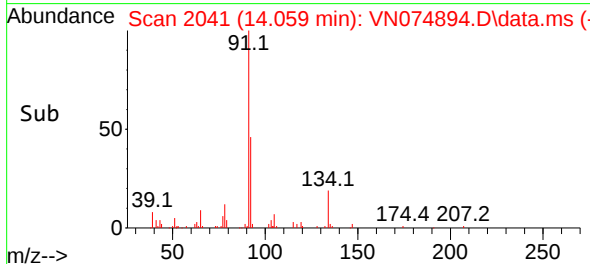
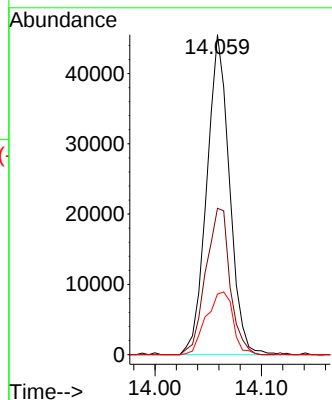
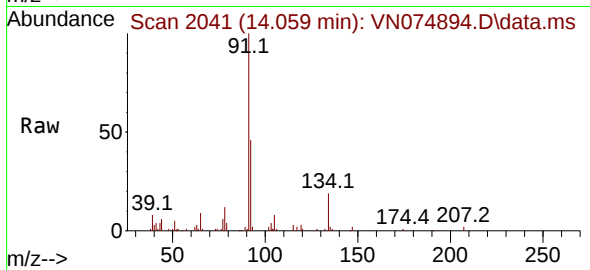
#85
n-Butylbenzene
Concen: 3.393 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

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

Tgt Ion: 91	Resp: 67384
Ion Ratio	Lower Upper
91 100	
92 48.9	0.0 105.4
134 23.1	0.0 46.4

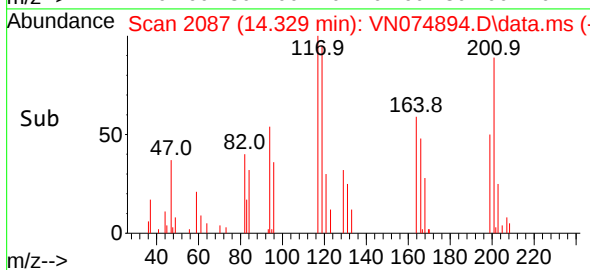
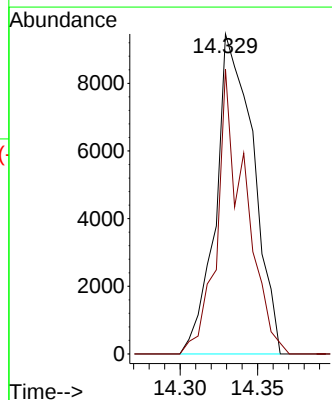
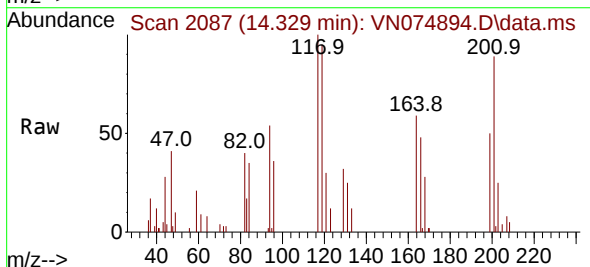
Manual Integrations
APPROVED

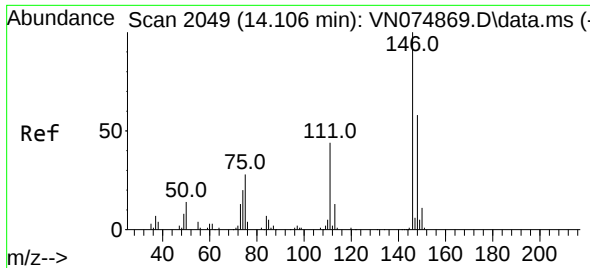
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#86
Hexachloroethane
Concen: 3.609 ug/l
RT: 14.329 min Scan# 2087
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

Tgt Ion:117	Resp:	15902	
Ion	Ratio	Lower	Upper
117	100		
201	67.1	29.4	88.3





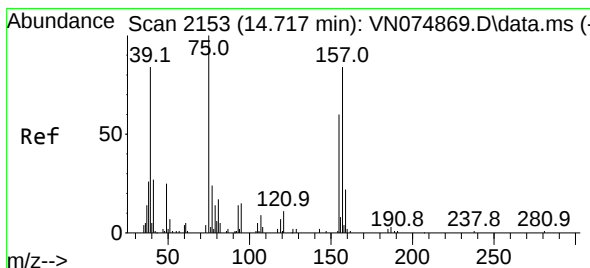
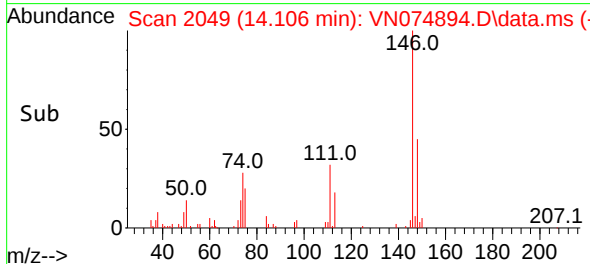
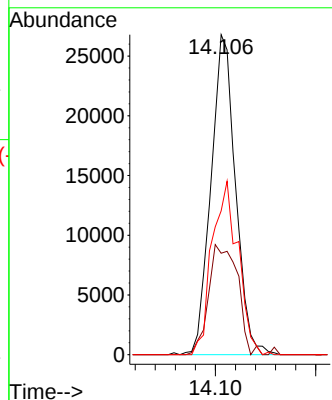
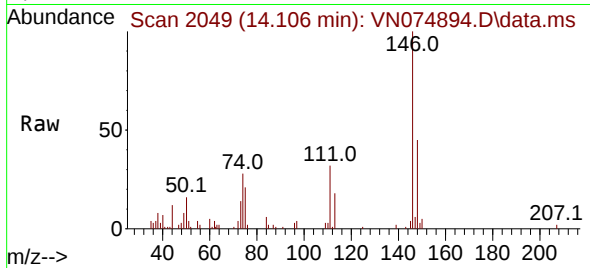
#87
1,2-Dichlorobenzene
Concen: 4.121 ug/l
RT: 14.106 min Scan# 2049
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

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

Tgt Ion:146 Resp: 4560
Ion Ratio Lower Upper
146 100
111 39.9 21.4 64.2
148 57.2 30.6 92.0

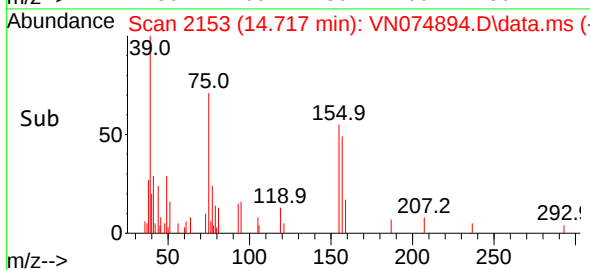
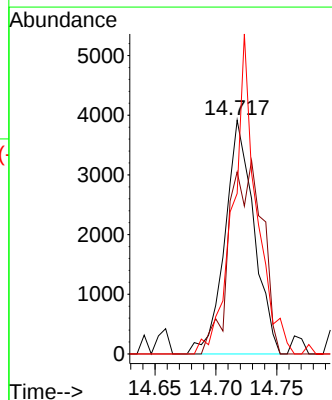
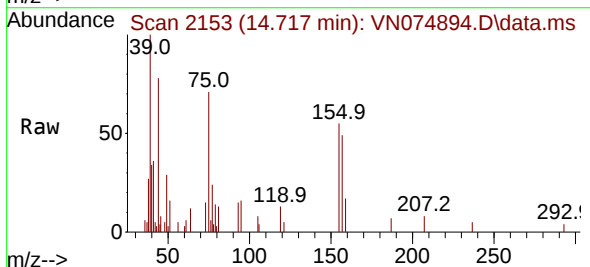
Manual Integrations
APPROVED

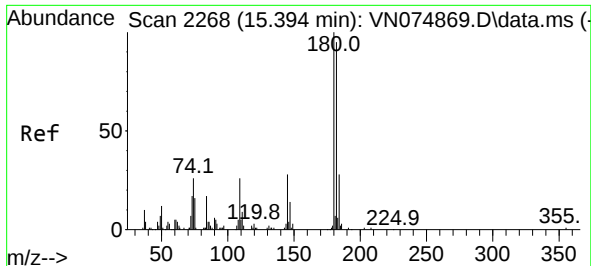
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#88
1,2-Dibromo-3-Chloropropane
Concen: 3.160 ug/l
RT: 14.717 min Scan# 2153
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

Tgt Ion: 75 Resp: 6502
Ion Ratio Lower Upper
75 100
155 37.6 66.3 99.5#
157 110.3 84.3 126.5





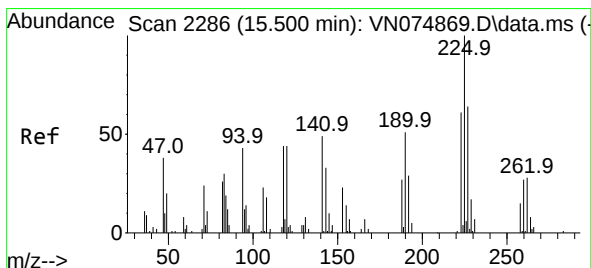
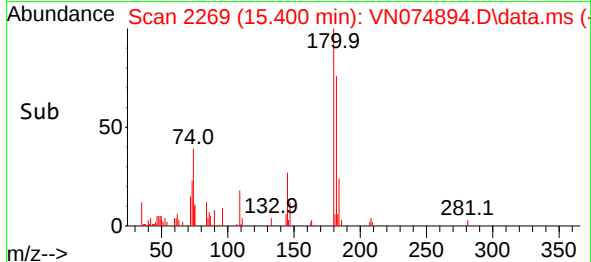
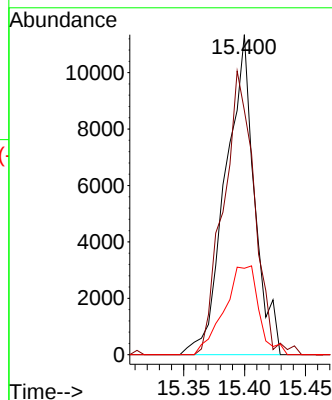
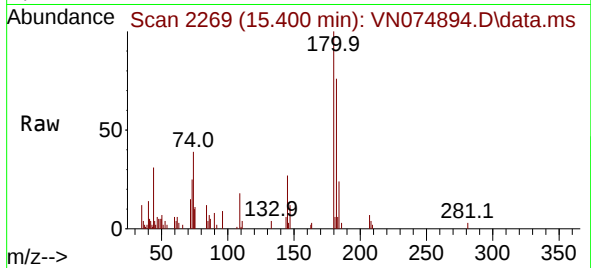
#89
1,2,4-Trichlorobenzene
Concen: 3.705 ug/l
RT: 15.400 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

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

Tgt Ion:180 Resp: 1872
Ion Ratio Lower Upper
180 100
182 93.5 74.9 112.3
145 32.4 26.3 39.5

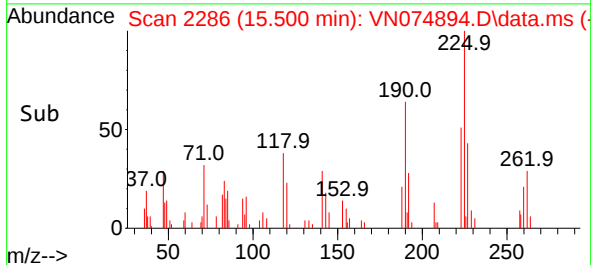
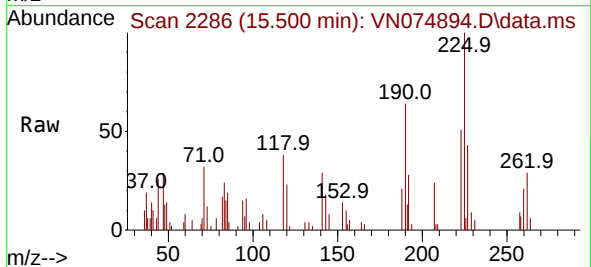
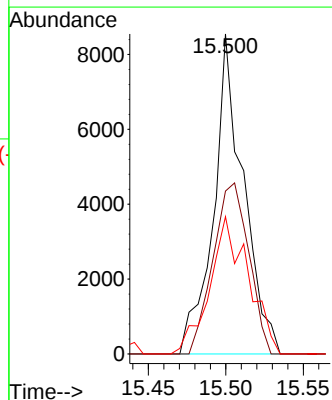
Manual Integrations
APPROVED

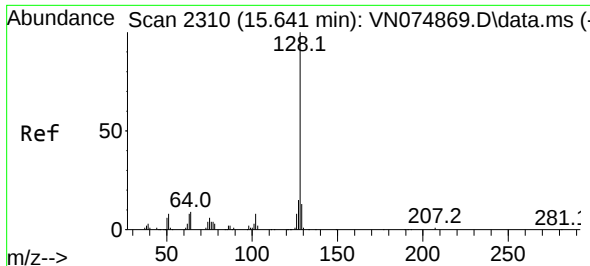
Reviewed By :John Carlone 10/14/2022
Supervised By :Mahesh Dadoda 10/14/2022



#90
Hexachlorobutadiene
Concen: 4.644 ug/l
RT: 15.500 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

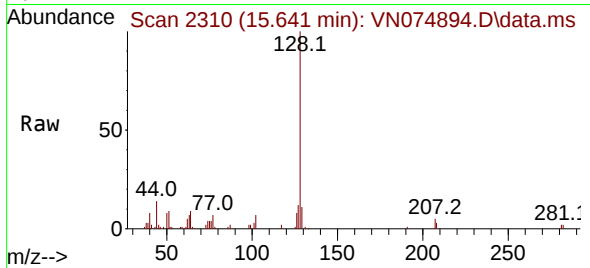
Tgt Ion:225 Resp: 11445
Ion Ratio Lower Upper
225 100
223 64.0 0.0 125.0
227 55.4 0.0 123.0





#91
Naphthalene
Concen: 3.109 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01

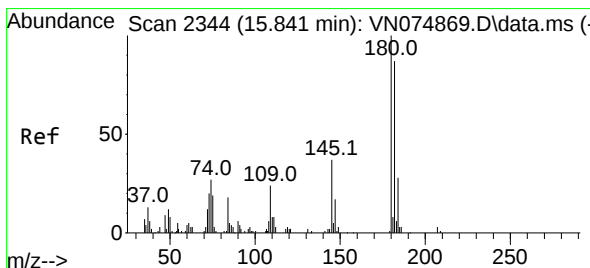
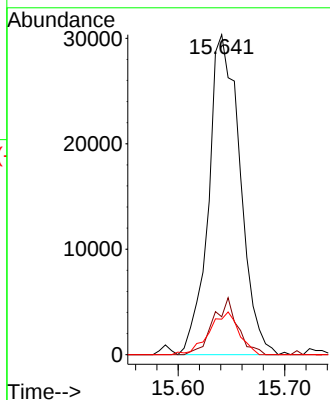
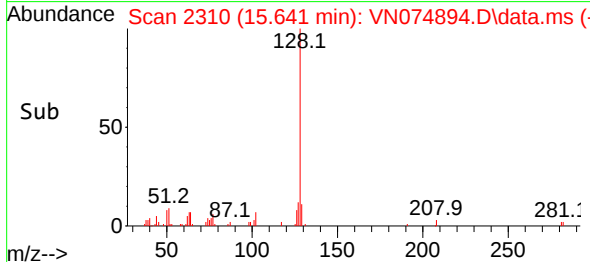
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2022DL



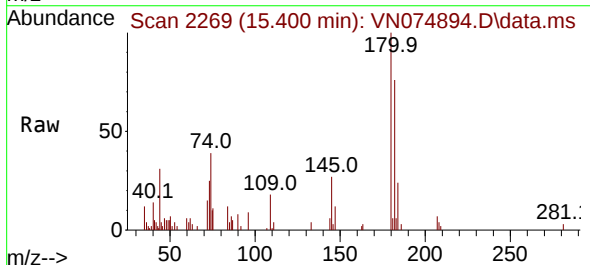
Tgt Ion:128 Resp: 6235
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 12.4 8.9 13.3

Manual Integrations
APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 3.525 ug/l
RT: 15.400 min Scan# 2269
Delta R.T. -0.441 min
Lab File: VN074894.D
Acq: 13 Oct 2022 14:01



Tgt Ion:180 Resp: 18637
Ion Ratio Lower Upper
180 100
182 94.0 0.0 185.4
145 32.5 0.0 68.6

