

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
 Data File : VN072733.D
 Acq On : 09 Jun 2022 16:16
 Operator : JC\MD
 Sample : N3214-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2022

Quant Time: Jun 10 04:04:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 10 04:02:08 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/10/2022
 Supervised By : Mahesh Dadoda 06/10/2022

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	142706	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	271923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	263592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	106333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	216540	56.536	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.080%			
35) Dibromofluoromethane	8.022	113	143039	53.162	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.320%			
50) Toluene-d8	10.439	98	543582	50.636	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.280%			
62) 4-Bromofluorobenzene	12.727	95	161029	43.714	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 87.420%			
Target Compounds						
						Qvalue
3) Chloromethane	2.293	50	1393	0.505	ug/l	# 70
4) Vinyl Chloride	2.434	62	703	0.277	ug/l	# 51
5) Bromomethane	2.851	94	1238m	0.995	ug/l	
6) Chloroethane	2.999	64	539	0.302	ug/l	# 42
11) Tert butyl alcohol	5.322	59	3600m	3.940	ug/l	
13) Acrolein	4.034	56	1233	3.268	ug/l	90
14) Allyl chloride	4.828	41	1398m	0.294	ug/l	
15) Acrylonitrile	5.551	53	1492m	0.771	ug/l	
16) Acetone	4.298	43	6687	3.644	ug/l	97
17) Carbon Disulfide	4.528	76	1259m	0.242	ug/l	
18) Methyl Acetate	4.851	43	2431	0.509	ug/l	# 56
20) Methylene Chloride	5.093	84	1284m	0.443	ug/l	
22) Diisopropyl ether	6.487	45	2001	0.208	ug/l	# 84
23) Vinyl Acetate	6.428	43	9349m	1.060	ug/l	
24) 1,1-Dichloroethane	6.387	63	1091	0.218	ug/l	# 82
25) 2-Butanone	7.334	43	5365	1.817	ug/l	# 81
26) 2,2-Dichloropropane	7.310	77	2093m	0.463	ug/l	
27) cis-1,2-Dichloroethene	7.339	96	612	0.212	ug/l	# 3
29) Tetrahydrofuran	7.686	42	2542	1.393	ug/l	# 78
31) Cyclohexane	8.081	56	5909	1.365	ug/l	# 36
36) 1,1-Dichloropropene	8.222	75	957	0.256	ug/l	# 46
37) Ethyl Acetate	7.428	43	1865m	0.321	ug/l	
40) Benzene	8.457	78	2320	0.205	ug/l	# 90
41) Methacrylonitrile	7.633	41	399m	0.204	ug/l	
42) 1,2-Dichloroethane	8.533	62	1380	0.294	ug/l	# 74
43) Isopropyl Acetate	8.557	43	2255	0.250	ug/l	# 64
46) Dibromomethane	9.569	93	495	0.231	ug/l	# 47
47) Bromodichloromethane	9.751	83	899	0.204	ug/l	# 82
49) 1,4-Dioxane	9.580	88	347	4.440	ug/l	# 47
51) 4-Methyl-2-Pentanone	10.327	43	6447	1.096	ug/l	89
52) Toluene	10.504	92	1513	0.214	ug/l	83
53) t-1,3-Dichloropropene	10.722	75	1006	0.206	ug/l	99
55) 1,1,2-Trichloroethane	10.904	97	793	0.260	ug/l	# 57
58) 2-Chloroethyl Vinyl ether	10.033	63	1384	0.643	ug/l	92
59) 2-Hexanone	11.098	43	10559	2.440	ug/l	# 59
65) Chlorobenzene	11.769	112	1538	0.219	ug/l	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
 Data File : VN072733.D
 Acq On : 09 Jun 2022 16:16
 Operator : JC\MD
 Sample : N3214-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2022

Manual Integrations
 APPROVED

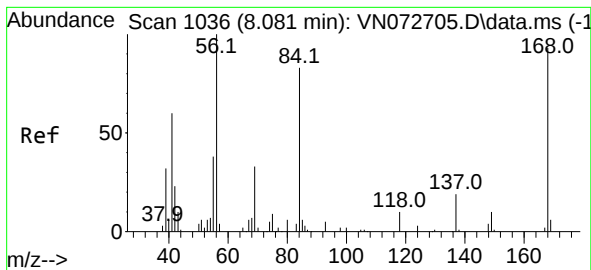
Reviewed By : John Carlone 06/10/2022
 Supervised By : Mahesh Dadoda 06/10/2022

Quant Time: Jun 10 04:04:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 10 04:02:08 2022
 Response via : Initial Calibration

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

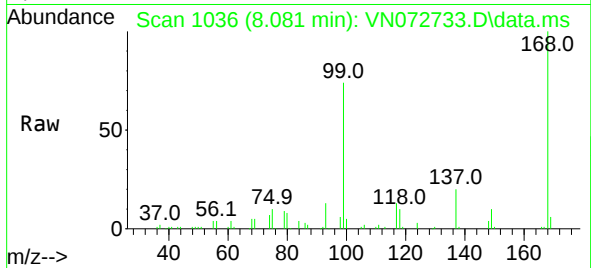
67) Ethyl Benzene	11.845	91	2774	0.210	ug/l #	85
68) m/p-Xylenes	11.957	106	1769	0.377	ug/l	85
70) Styrene	12.298	104	1626	0.219	ug/l	93
74) N-amyl acetate	12.392	43	2086	0.393	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.827	83	970	0.245	ug/l #	56
76) 1,2,3-Trichloropropane	12.863	75	1311m	0.382	ug/l	
79) 2-Chlorotoluene	13.004	91	1914m	0.245	ug/l	
80) 1,3,5-Trimethylbenzene	13.063	105	2046	0.226	ug/l	92
82) 4-Chlorotoluene	13.104	91	1748	0.242	ug/l	91
88) 1,4-Dichlorobenzene	13.680	146	878m	0.235	ug/l	
89) n-Butylbenzene	13.945	91	1480	0.208	ug/l #	83
90) Hexachloroethane	14.210	117	552	0.303	ug/l #	9
91) 1,2-Dichlorobenzene	13.986	146	762	0.204	ug/l	92
95) Naphthalene	15.509	128	2704	0.387	ug/l #	81

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

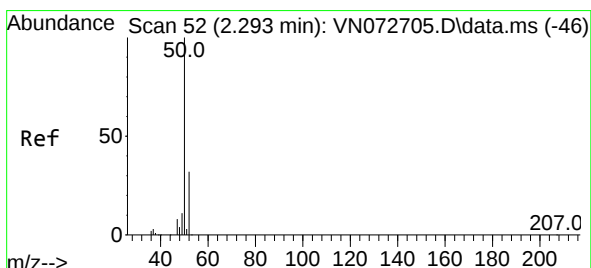
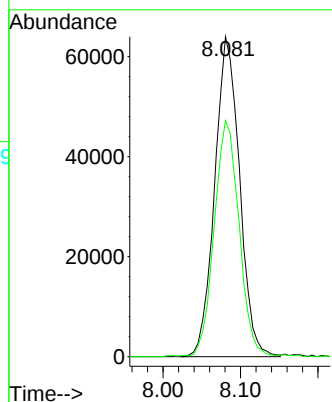
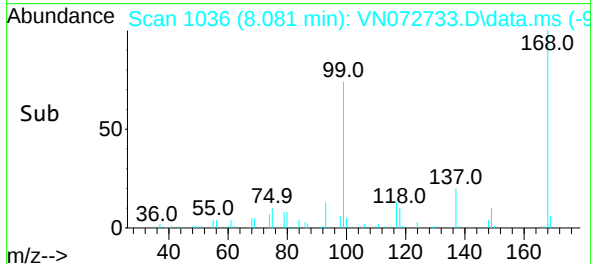
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2022



Tgt Ion:168 Resp: 142700
Ion Ratio Lower Upper
168 100
99 73.5 42.3 63.5

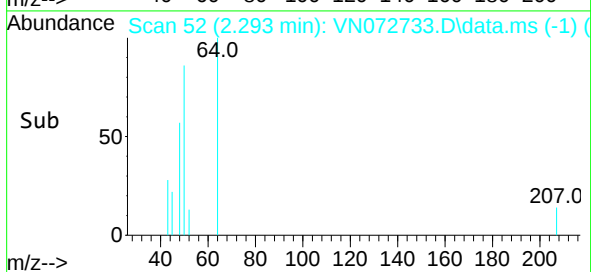
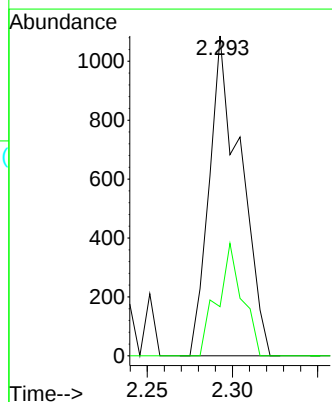
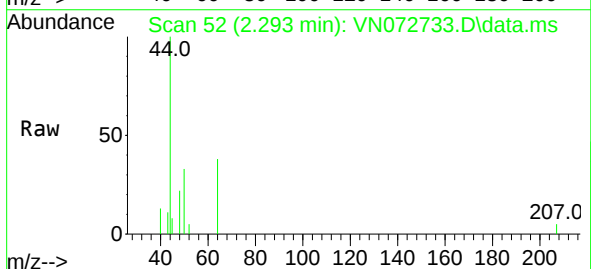
Manual Integrations
APPROVED

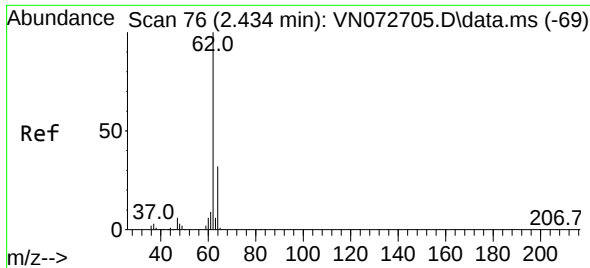
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#3
Chloromethane
Concen: 0.505 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

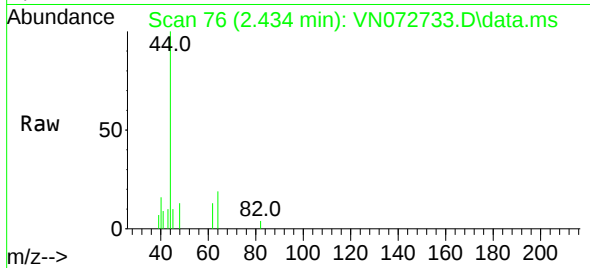
Tgt Ion: 50 Resp: 1393
Ion Ratio Lower Upper
50 100
52 15.4 25.7 38.5





#4
 Vinyl Chloride
 Concen: 0.277 ug/l
 RT: 2.434 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VN072733.D
 Acq: 09 Jun 2022 16:16

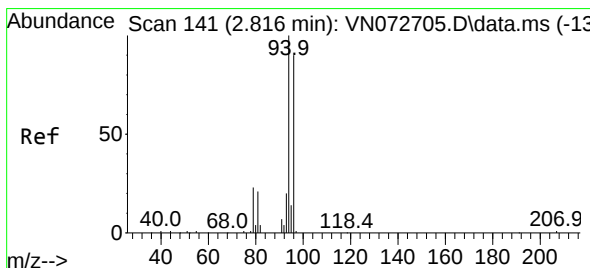
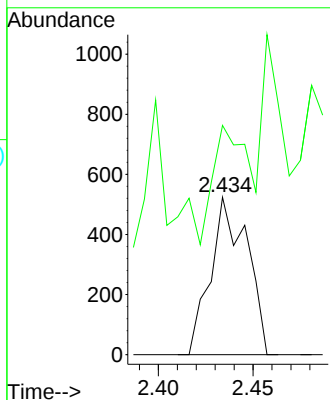
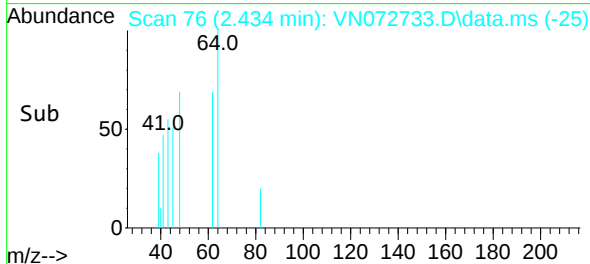
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2022



Tgt Ion: 62 Resp: 70
 Ion Ratio Lower Upper
 62 100
 64 58.0 25.0 37.4

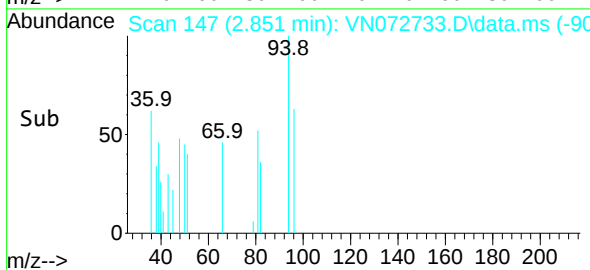
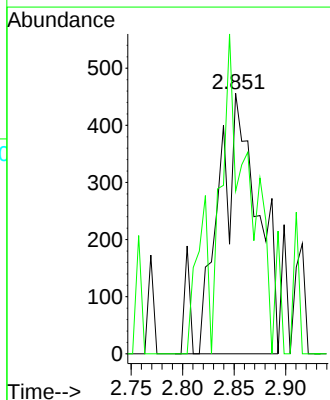
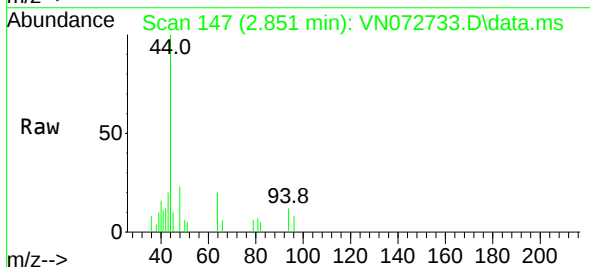
Manual Integrations
 APPROVED

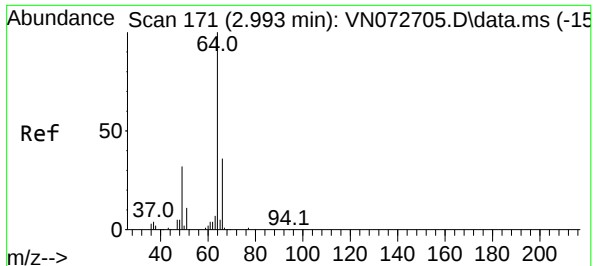
Reviewed By :John Carlone 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#5
 Bromomethane
 Concen: 0.995 ug/l m
 RT: 2.851 min Scan# 147
 Delta R.T. 0.035 min
 Lab File: VN072733.D
 Acq: 09 Jun 2022 16:16

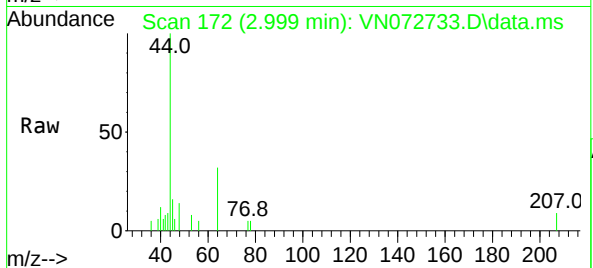
Tgt Ion: 94 Resp: 1238
 Ion Ratio Lower Upper
 94 100
 96 62.5 76.0 114.0#





#6
Chloroethane
Concen: 0.302 ug/l
RT: 2.999 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

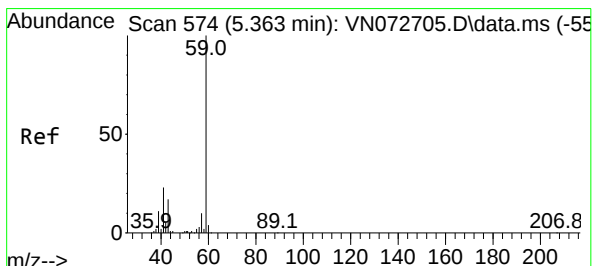
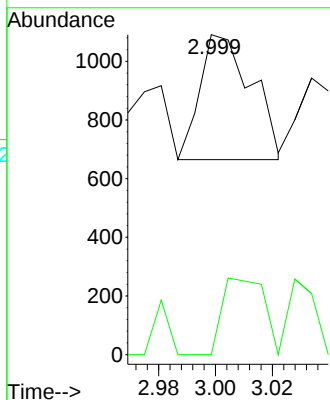
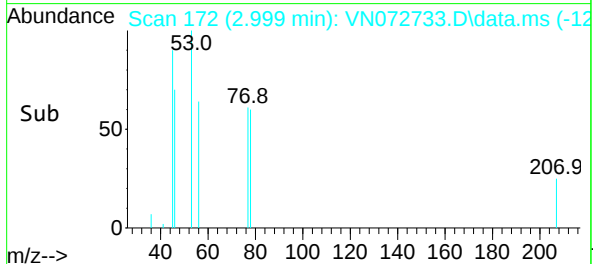
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



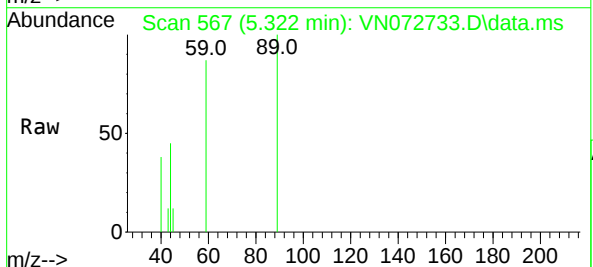
Tgt Ion: 64 Resp: 539
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4

Manual Integrations
APPROVED

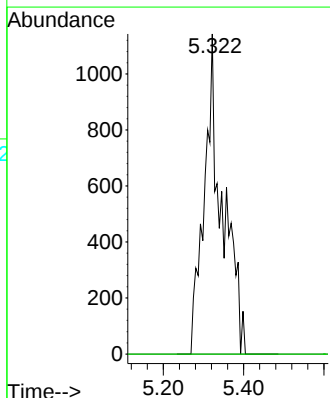
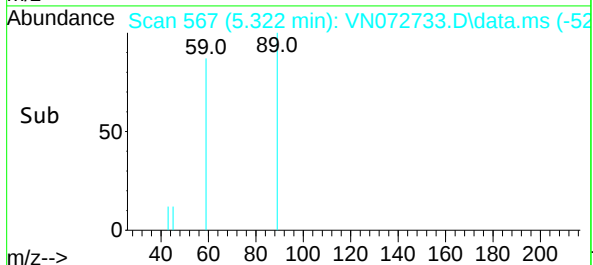
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

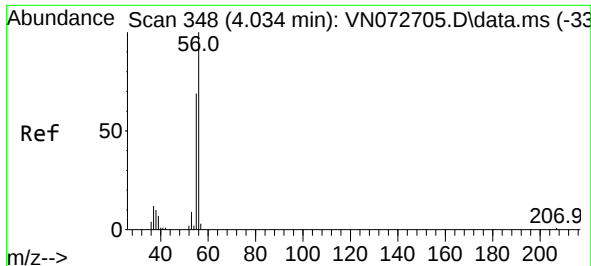


#11
Tert butyl alcohol
Concen: 3.940 ug/l m
RT: 5.322 min Scan# 567
Delta R.T. -0.041 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16



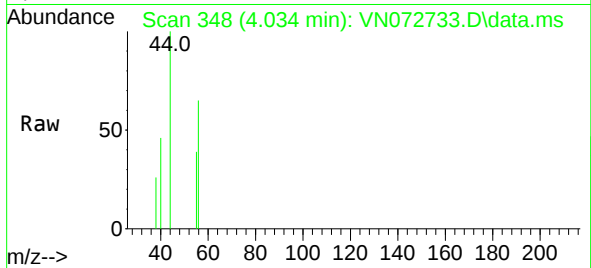
Tgt Ion: 59 Resp: 3600
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5





#13
Acrolein
Concen: 3.268 ug/l
RT: 4.034 min Scan# 348
Delta R.T. -0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

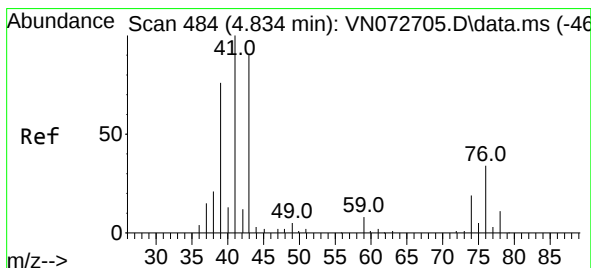
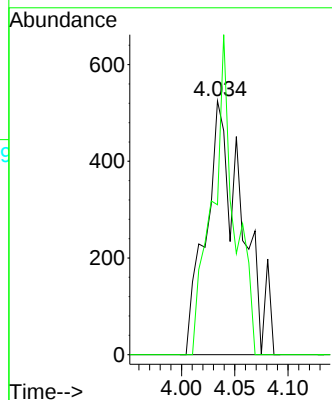
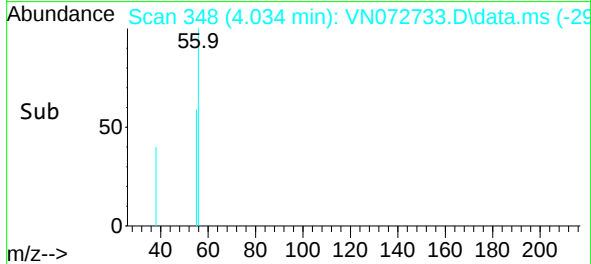
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2022



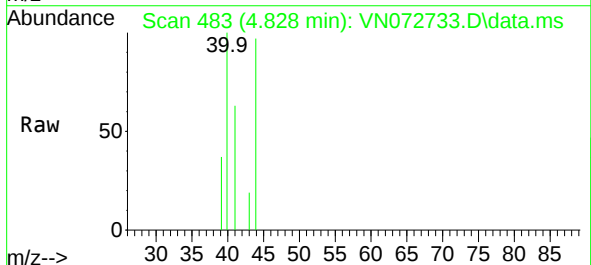
Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 76.9 54.8 82.2

Manual Integrations
APPROVED

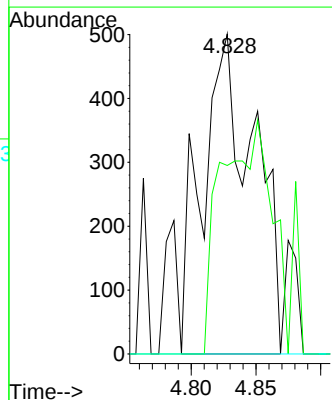
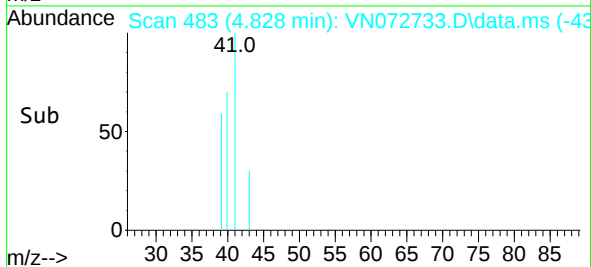
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

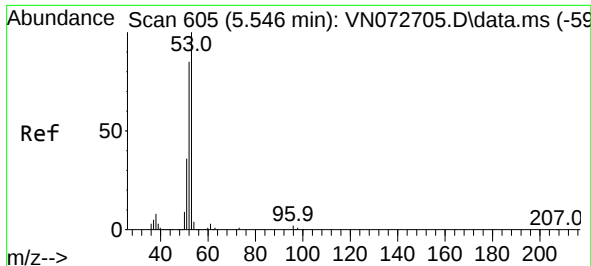


#14
Allyl chloride
Concen: 0.294 ug/l m
RT: 4.828 min Scan# 483
Delta R.T. -0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16



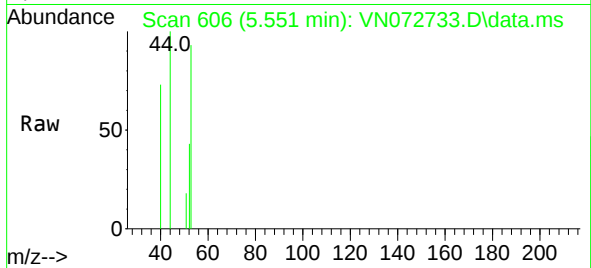
Tgt Ion: 41 Resp: 1398
Ion Ratio Lower Upper
41 100
39 0.0 53.2 79.8#
76 0.0 29.9 44.9#





#15
Acrylonitrile
Concen: 0.771 ug/l m
RT: 5.551 min Scan# 605
Delta R.T. 0.005 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

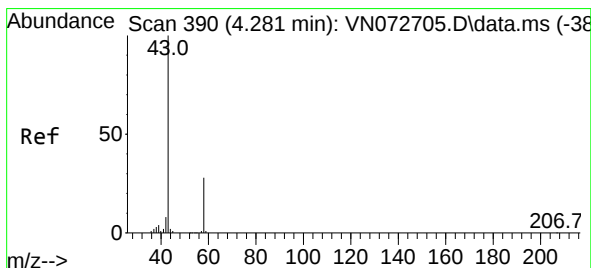
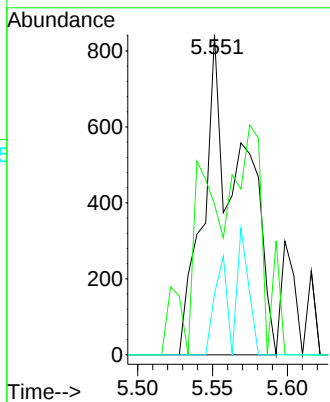
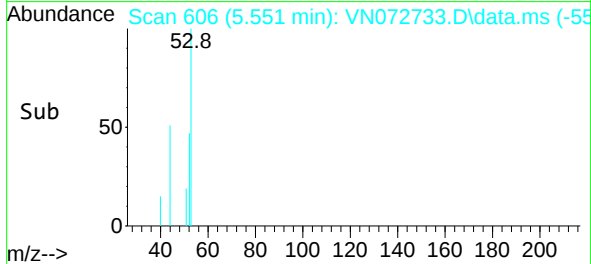
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



Tgt Ion: 53 Resp: 1492
Ion Ratio Lower Upper
53 100
52 47.5 66.4 99.6
51 10.0 28.5 42.7

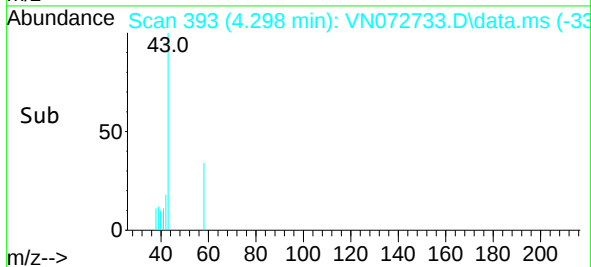
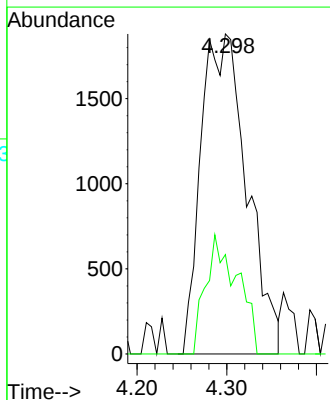
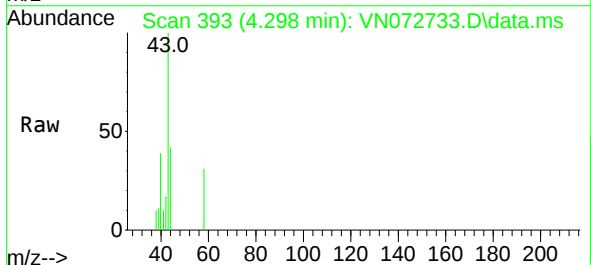
Manual Integrations
APPROVED

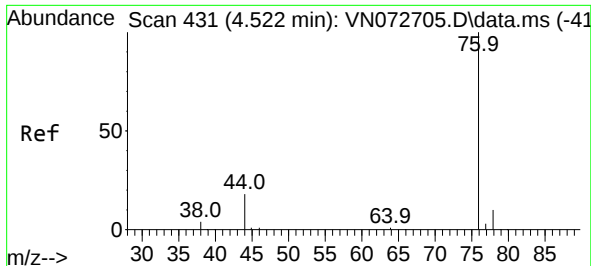
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#16
Acetone
Concen: 3.644 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.017 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

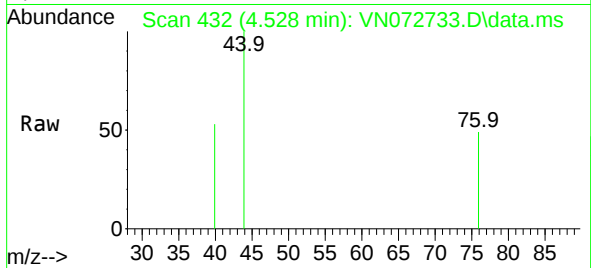
Tgt Ion: 43 Resp: 6687
Ion Ratio Lower Upper
43 100
58 31.1 26.0 39.0





#17
Carbon Disulfide
Concen: 0.242 ug/l m
RT: 4.528 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

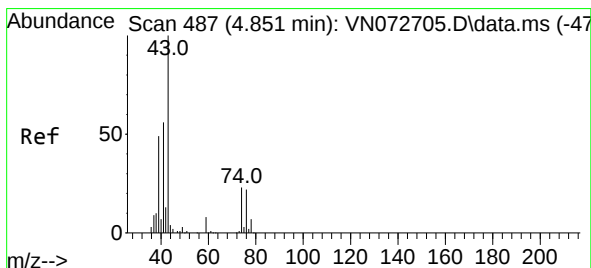
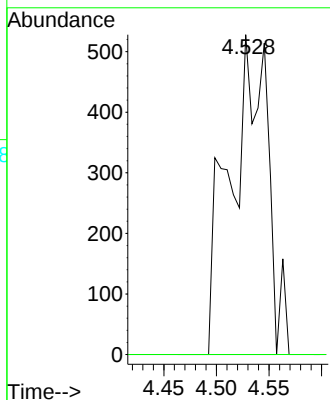
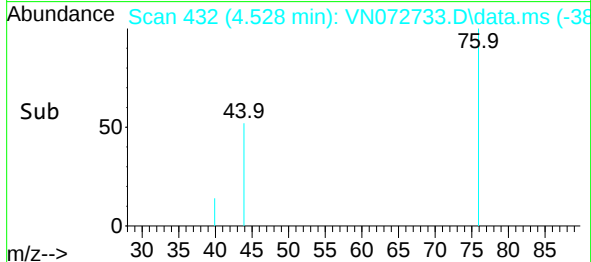
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



Tgt Ion: 76 Resp: 1259
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8

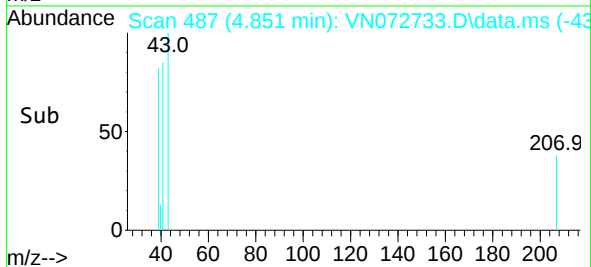
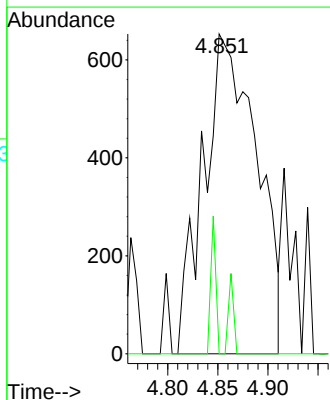
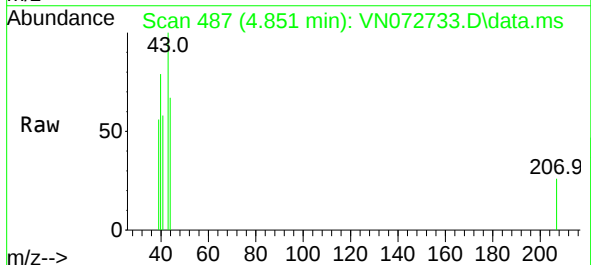
Manual Integrations
APPROVED

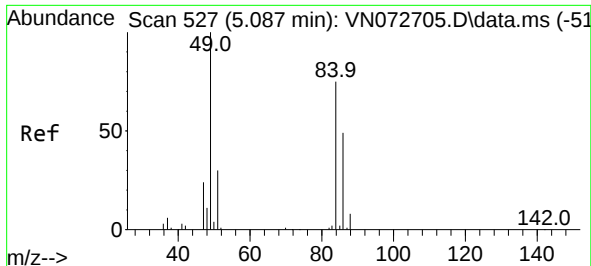
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#18
Methyl Acetate
Concen: 0.509 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

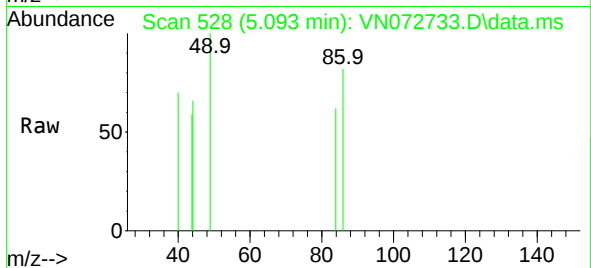
Tgt Ion: 43 Resp: 2431
Ion Ratio Lower Upper
43 100
74 4.1 21.6 32.4





#20
Methylene Chloride
Concen: 0.443 ug/l m
RT: 5.093 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

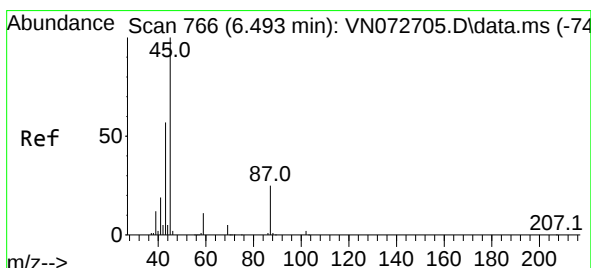
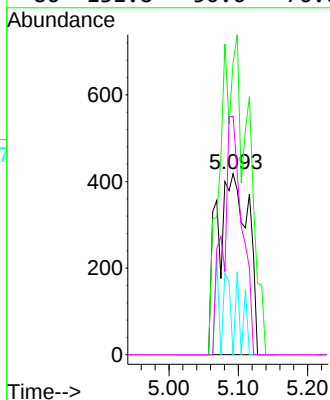
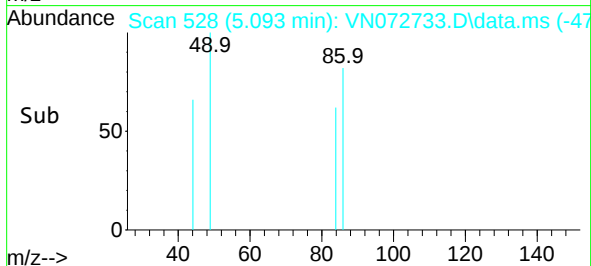
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



Tgt Ion: 84 Resp: 1284
Ion Ratio Lower Upper
84 100
49 161.5 88.3 132.5
51 0.0 28.2 42.2
86 131.8 50.6 76.0#

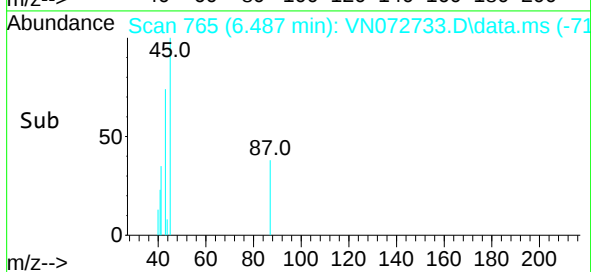
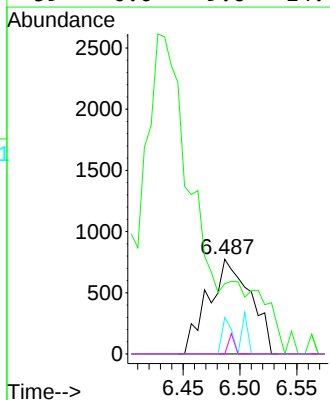
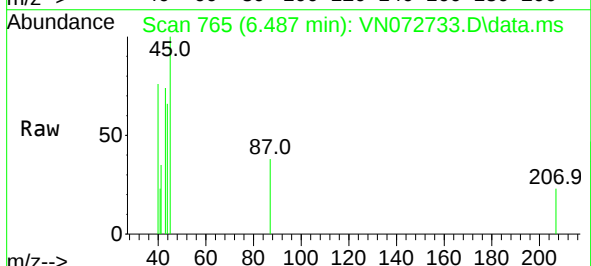
Manual Integrations
APPROVED

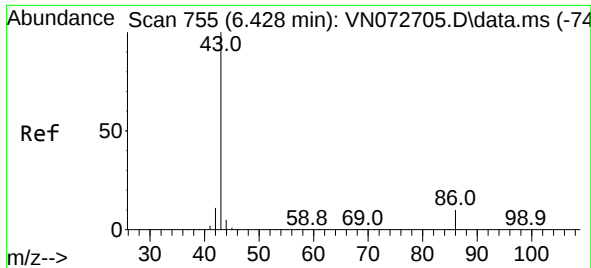
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#22
Diisopropyl ether
Concen: 0.208 ug/l
RT: 6.487 min Scan# 765
Delta R.T. -0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

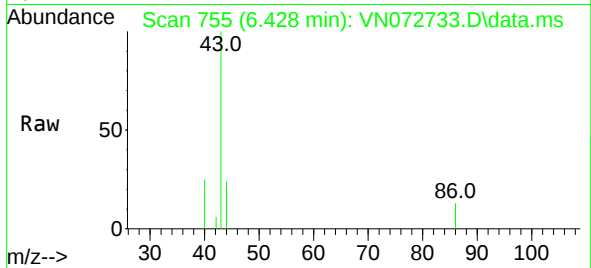
Tgt Ion: 45 Resp: 2001
Ion Ratio Lower Upper
45 100
43 47.8 46.6 70.0
87 38.4 24.3 36.5#
59 0.0 9.6 14.4#





#23
 Vinyl Acetate
 Concen: 1.060 ug/l m
 RT: 6.428 min Scan# 755
 Delta R.T. -0.000 min
 Lab File: VN072733.D
 Acq: 09 Jun 2022 16:16

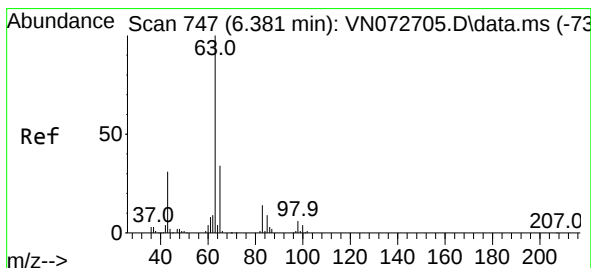
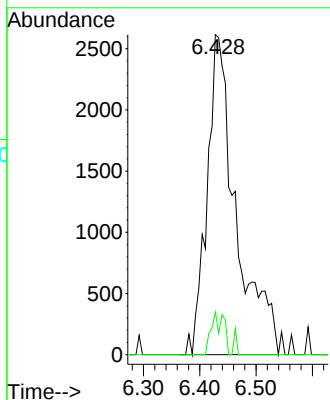
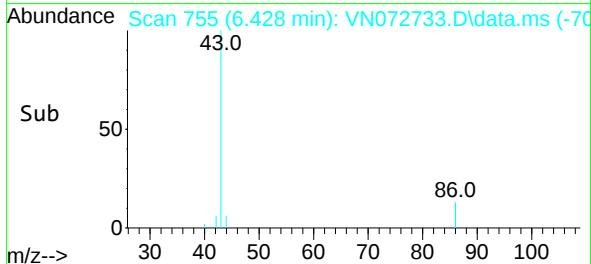
Instrument : MSVOA_N
 ClientSampleId : MDL-WATER-03-QT2-2022



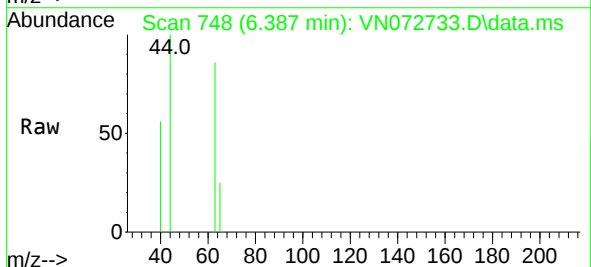
Tgt Ion: 43 Resp: 9349
 Ion Ratio Lower Upper
 43 100
 86 13.3 10.0 15.0

Manual Integrations
 APPROVED

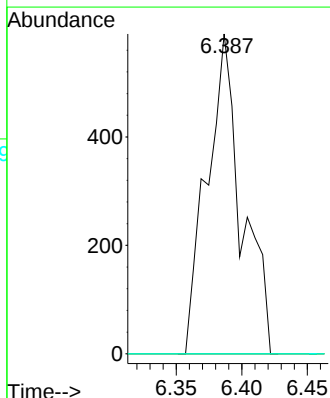
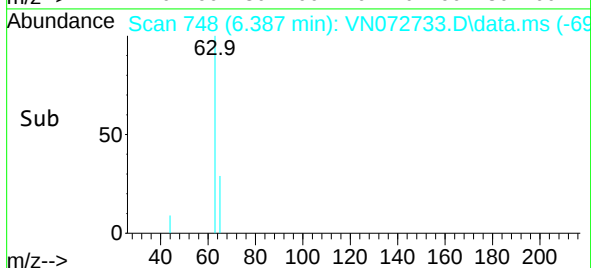
Reviewed By :John Carlone 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022

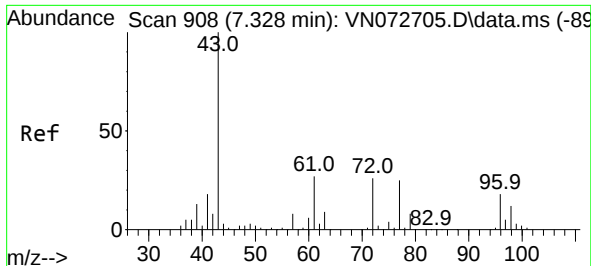


#24
 1,1-Dichloroethane
 Concen: 0.218 ug/l
 RT: 6.387 min Scan# 748
 Delta R.T. 0.006 min
 Lab File: VN072733.D
 Acq: 09 Jun 2022 16:16



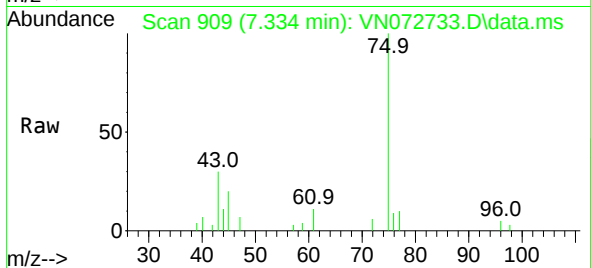
Tgt Ion: 63 Resp: 1091
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.4#
 100 0.0 2.3 6.8#





#25
2-Butanone
Concen: 1.817 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

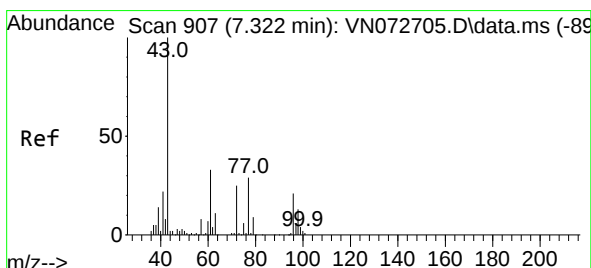
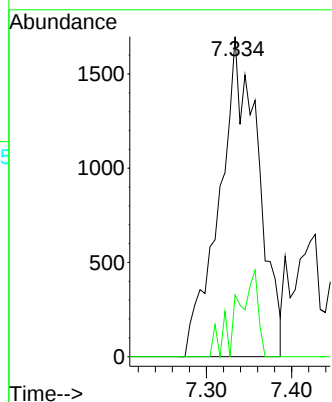
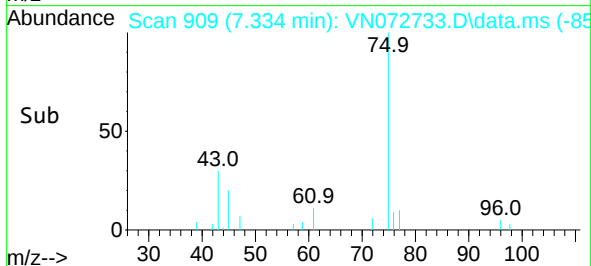
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



Tgt Ion: 43 Resp: 536
Ion Ratio Lower Upper
43 100
72 19.3 23.7 35.5

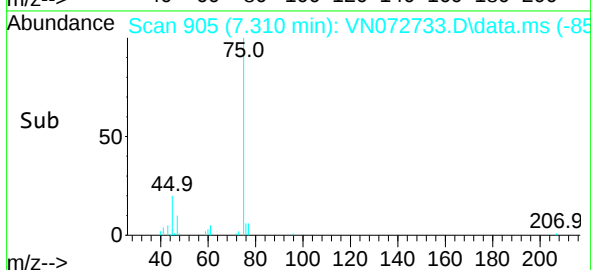
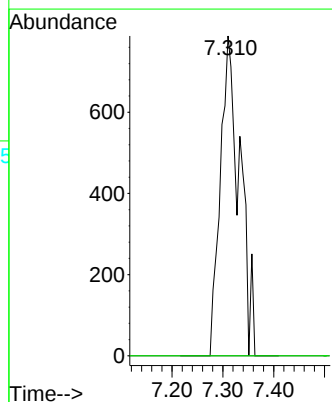
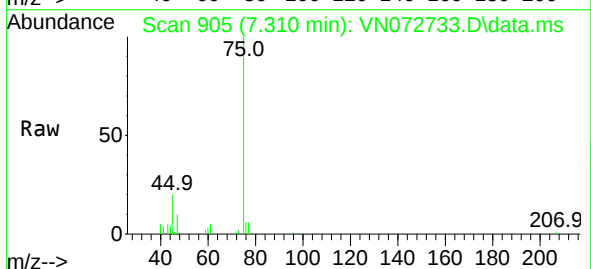
Manual Integrations
APPROVED

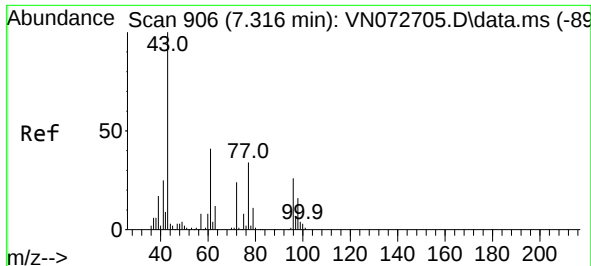
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#26
2,2-Dichloropropane
Concen: 0.463 ug/l m
RT: 7.310 min Scan# 905
Delta R.T. -0.012 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

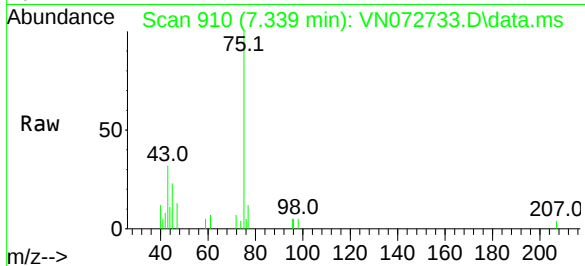
Tgt Ion: 77 Resp: 2093
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#27
cis-1,2-Dichloroethene
Concen: 0.212 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.023 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

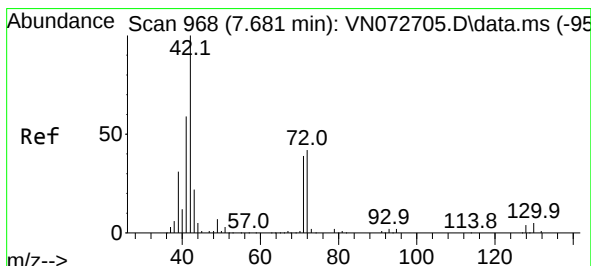
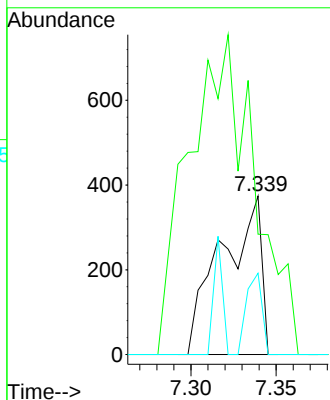
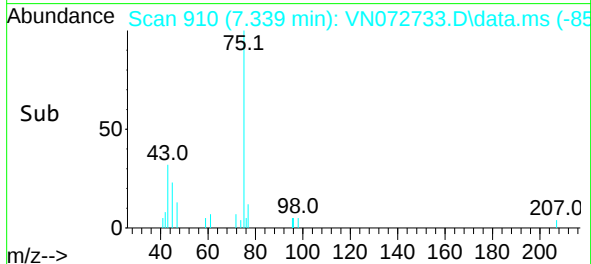
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



Tgt Ion: 96 Resp: 612
Ion Ratio Lower Upper
96 100
61 0.0 0.0 280.6
98 19.9 0.0 128.4

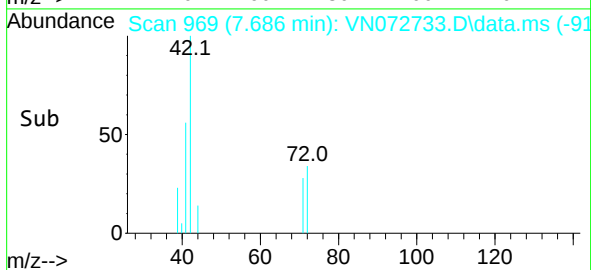
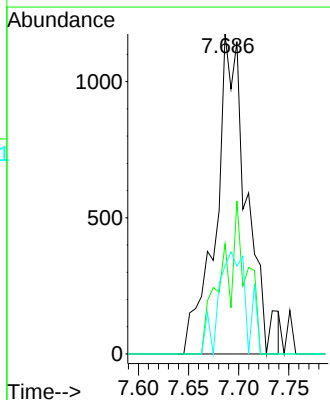
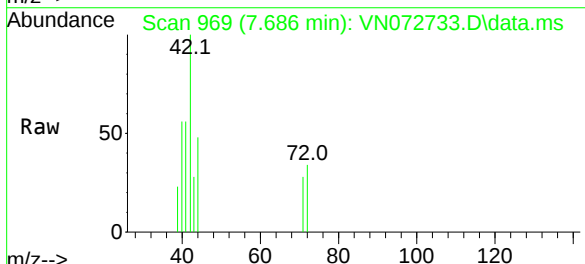
Manual Integrations
APPROVED

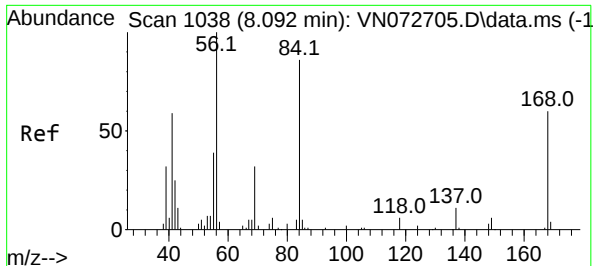
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#29
Tetrahydrofuran
Concen: 1.393 ug/l
RT: 7.686 min Scan# 969
Delta R.T. 0.005 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

Tgt Ion: 42 Resp: 2542
Ion Ratio Lower Upper
42 100
72 37.2 39.7 59.5#
71 28.4 36.6 55.0#





#31

Cyclohexane

Concen: 1.365 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.011 min

Lab File: VN072733.D

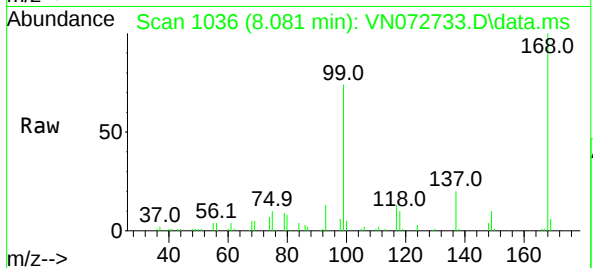
Acq: 09 Jun 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2022



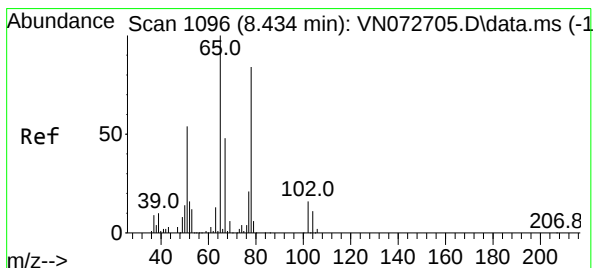
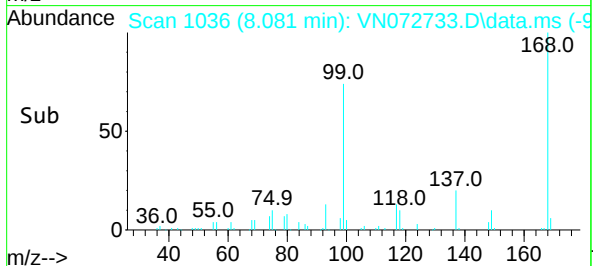
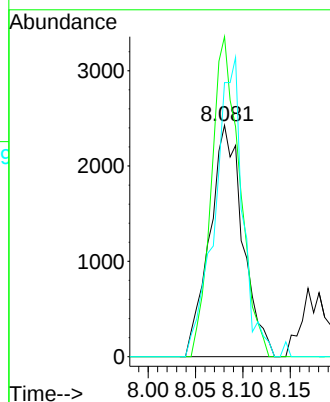
Tgt Ion:	56	Resp:	590
Ion Ratio	100	Lower	Upper
56	100		
69	138.3	27.8	41.8
84	118.5	76.9	115.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#33

1,2-Dichloroethane-d4

Concen: 56.536 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. -0.001 min

Lab File: VN072733.D

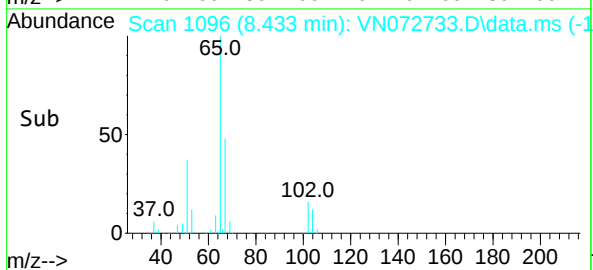
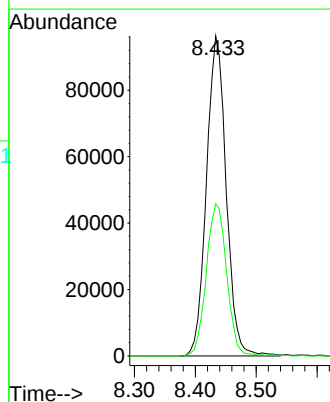
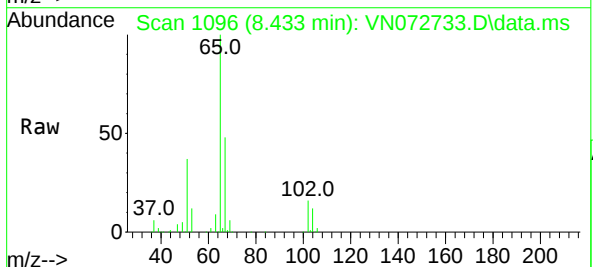
Acq: 09 Jun 2022 16:16

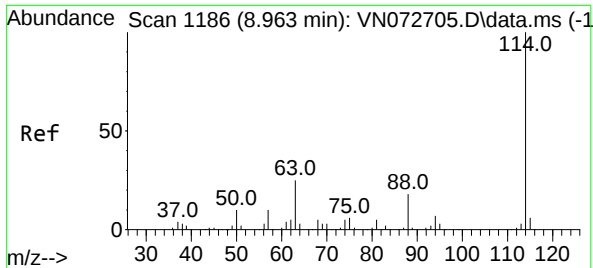
Tgt Ion: 65 Resp: 216540

Ion Ratio Lower Upper

65 100

67 49.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072733.D

Acq: 09 Jun 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2022

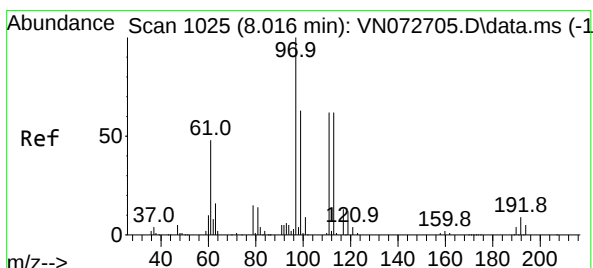
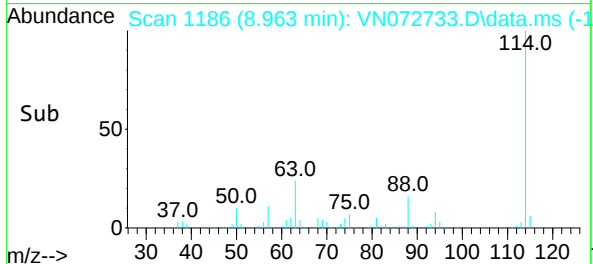
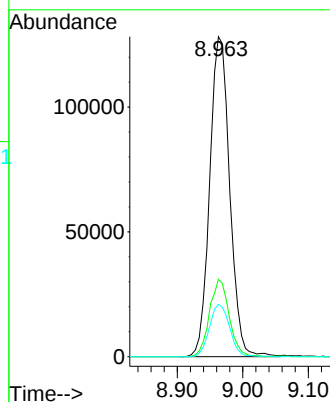
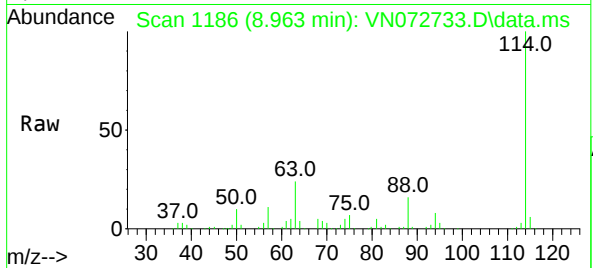
Tgt Ion:114	Resp:	27192
Ion Ratio	Lower	Upper
114	100	
63	24.2	0.0 40.0
88	16.4	0.0 32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#35

Dibromofluoromethane

Concen: 53.162 ug/l

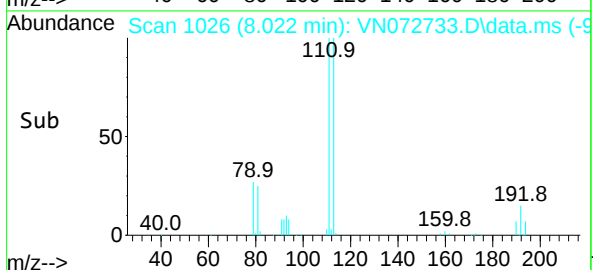
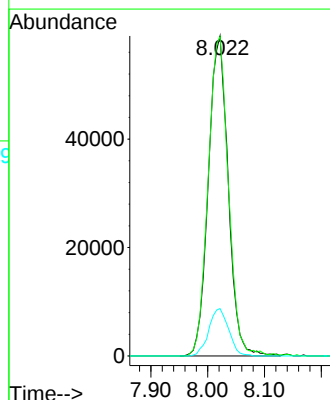
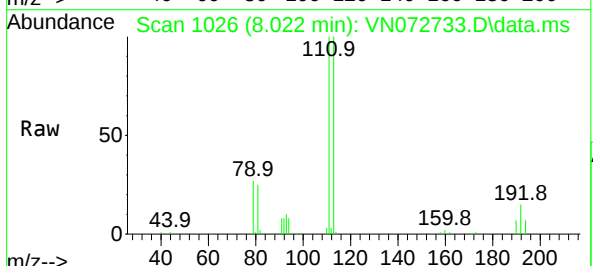
RT: 8.022 min Scan# 1026

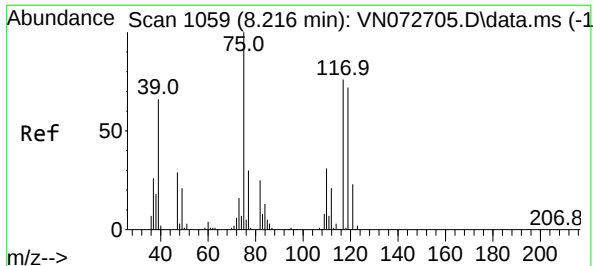
Delta R.T. 0.006 min

Lab File: VN072733.D

Acq: 09 Jun 2022 16:16

Tgt Ion:113	Resp:	143039
Ion Ratio	Lower	Upper
113	100	
111	101.5	81.4 122.0
192	14.8	17.0 25.6





#36

1,1-Dichloropropene

Concen: 0.256 ug/l

RT: 8.222 min Scan# 1060

Delta R.T. 0.006 min

Lab File: VN072733.D

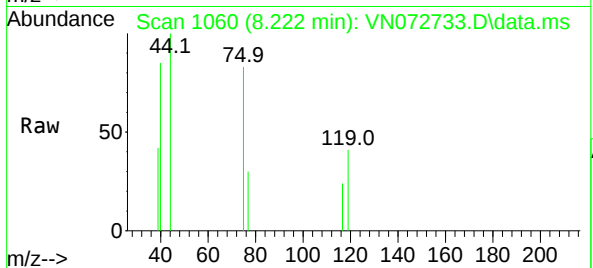
Acq: 09 Jun 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2022



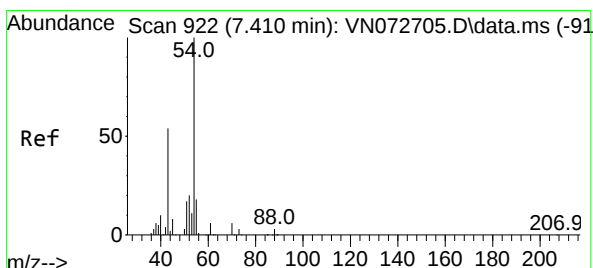
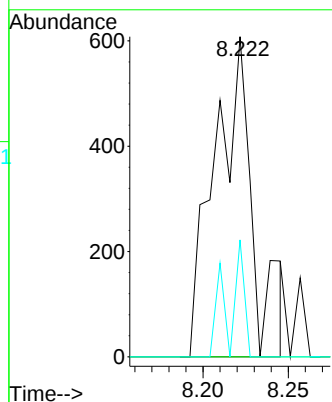
Tgt Ion: 75	Resp: 95
Ion Ratio	Lower Upper
75	100
110	0.0 18.3 54.8
77	6.6 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#37

Ethyl Acetate

Concen: 0.321 ug/l m

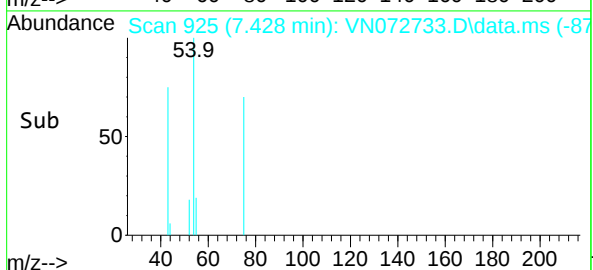
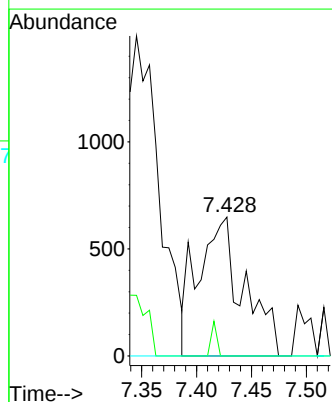
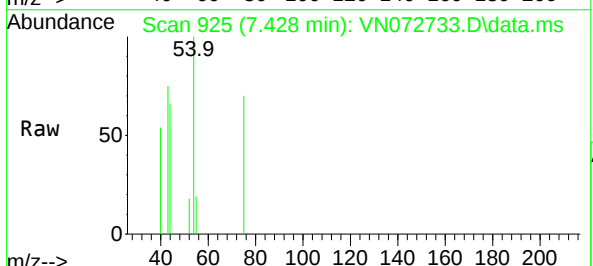
RT: 7.428 min Scan# 925

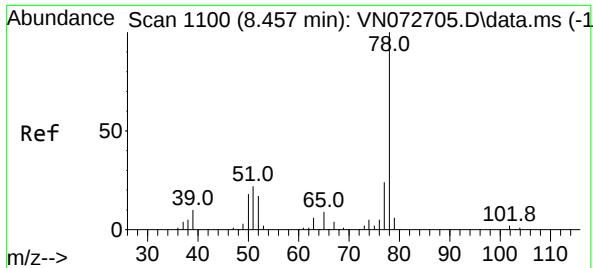
Delta R.T. 0.018 min

Lab File: VN072733.D

Acq: 09 Jun 2022 16:16

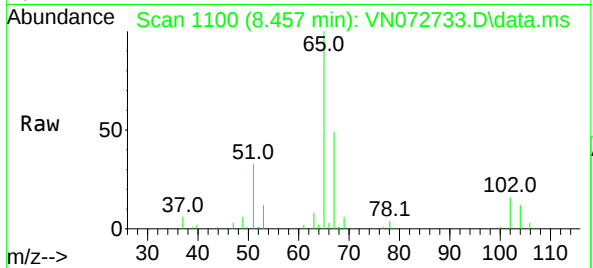
Tgt Ion: 43	Resp: 1865
Ion Ratio	Lower Upper
43	100
61	0.0 11.8 17.6
70	0.0 9.3 13.9





#40
Benzene
Concen: 0.205 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

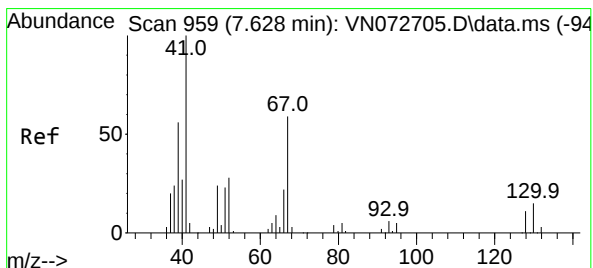
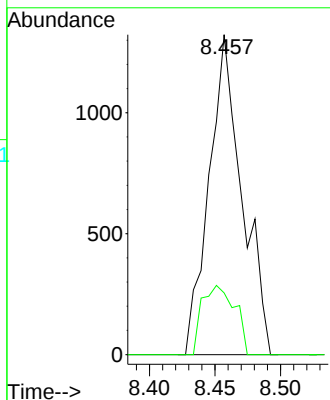
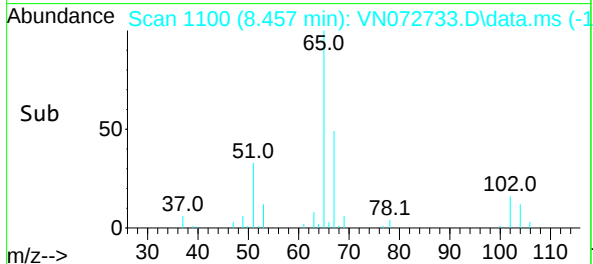
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



Tgt Ion: 78 Resp: 2320
Ion Ratio Lower Upper
78 100
77 19.3 19.4 29.0

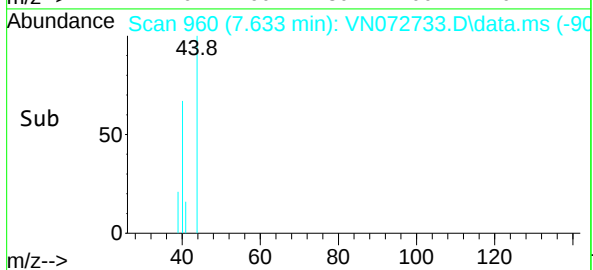
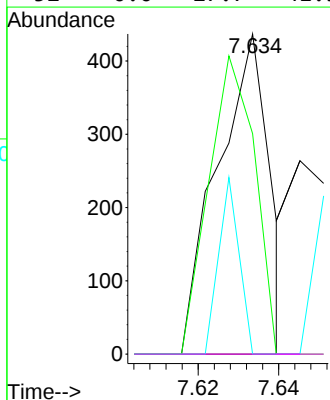
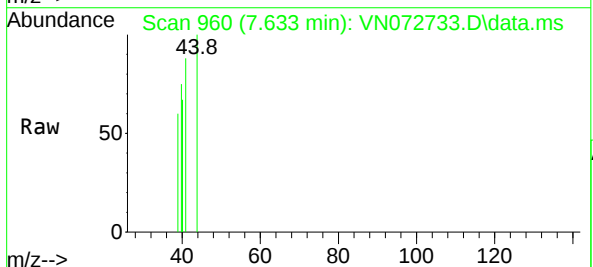
Manual Integrations
APPROVED

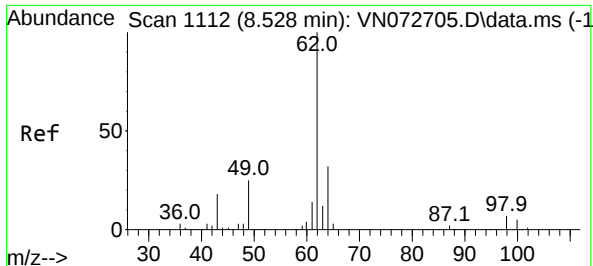
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#41
Methacrylonitrile
Concen: 0.204 ug/l m
RT: 7.633 min Scan# 960
Delta R.T. 0.005 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

Tgt Ion: 41 Resp: 399
Ion Ratio Lower Upper
41 100
39 80.7 48.6 73.0#
67 21.3 73.4 110.2#
52 0.0 27.7 41.5#





#42

1,2-Dichloroethane

Concen: 0.294 ug/l

RT: 8.533 min Scan# 1113

Delta R.T. 0.005 min

Lab File: VN072733.D

Acq: 09 Jun 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2022

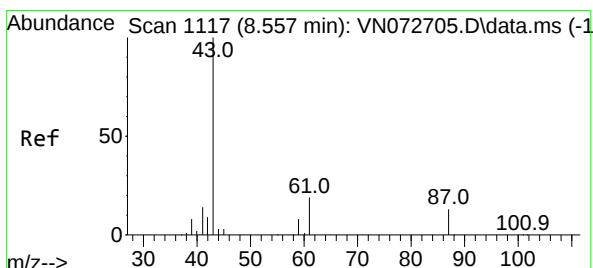
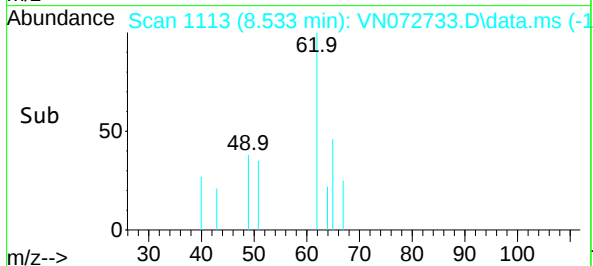
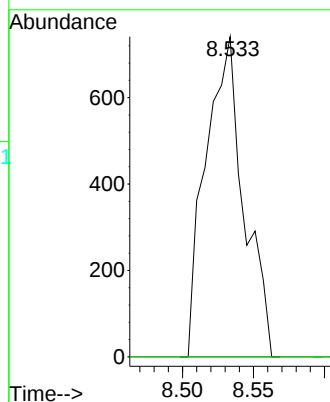
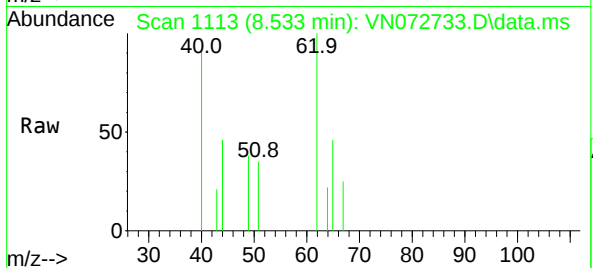
Tgt Ion: 62 Resp: 1380
 Ion Ratio Lower Upper
 62 100
 98 0.0 0.0 19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#43

Isopropyl Acetate

Concen: 0.250 ug/l

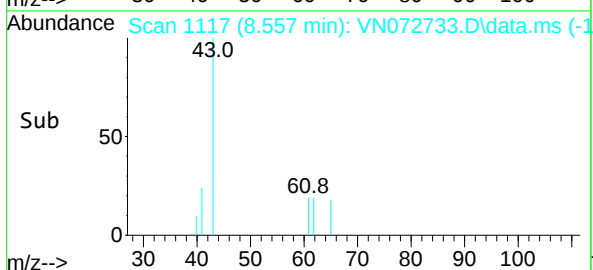
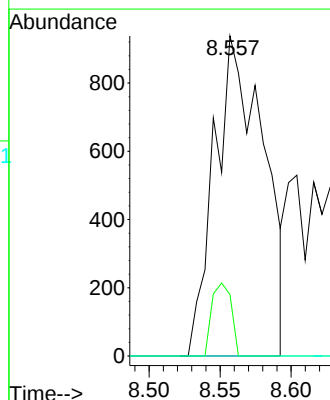
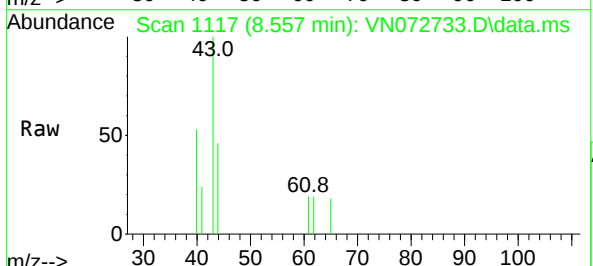
RT: 8.557 min Scan# 1117

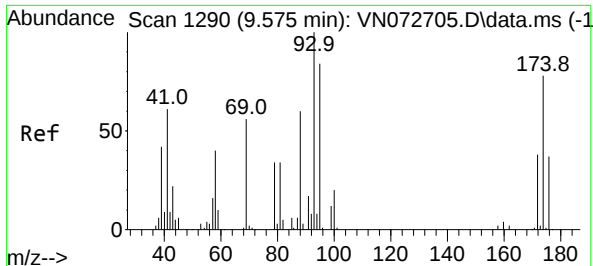
Delta R.T. -0.000 min

Lab File: VN072733.D

Acq: 09 Jun 2022 16:16

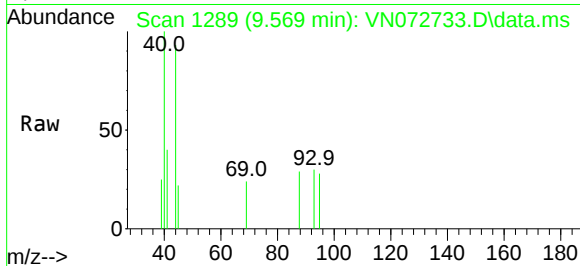
Tgt Ion: 43 Resp: 2255
 Ion Ratio Lower Upper
 43 100
 61 9.0 21.9 32.9#
 87 0.0 12.0 18.0#





#46
Dibromomethane
Concen: 0.231 ug/l
RT: 9.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

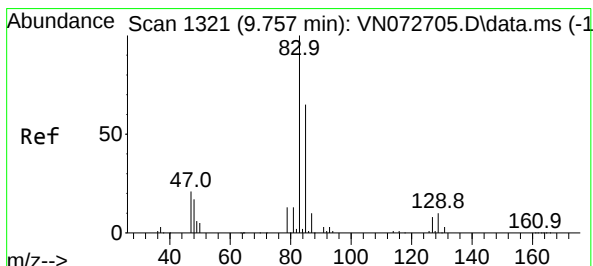
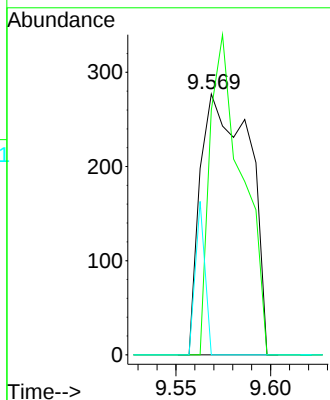
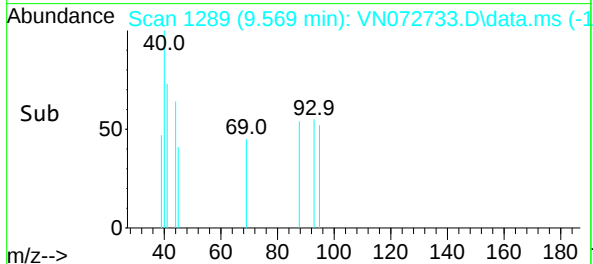
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2022



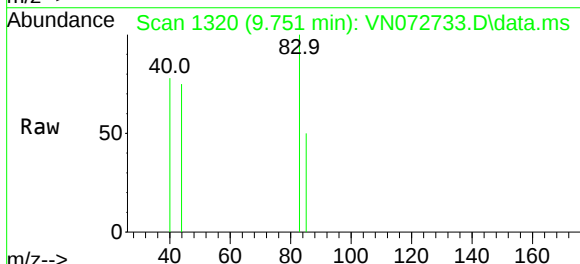
Tgt Ion: 93 Resp: 499
Ion Ratio Lower Upper
93 100
95 81.8 66.9 100.3
174 11.5 86.6 130.0

Manual Integrations
APPROVED

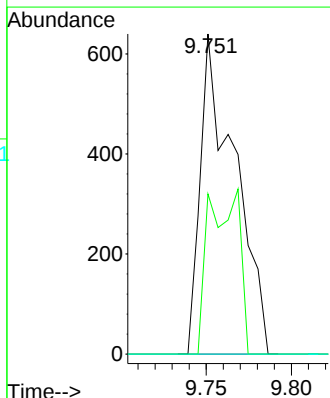
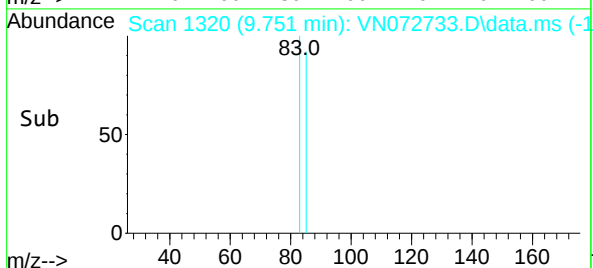
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

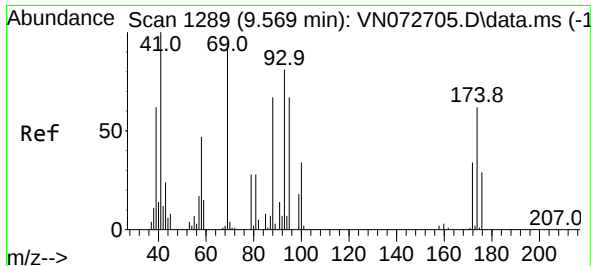


#47
Bromodichloromethane
Concen: 0.204 ug/l
RT: 9.751 min Scan# 1320
Delta R.T. -0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16



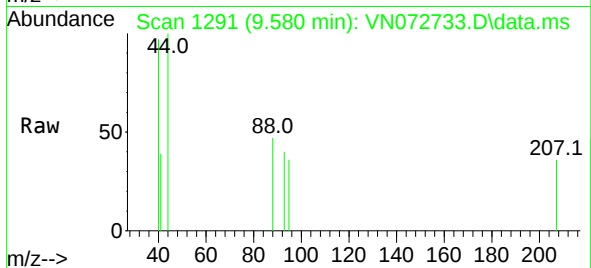
Tgt Ion: 83 Resp: 899
Ion Ratio Lower Upper
83 100
85 50.0 50.5 75.7#
127 0.0 6.8 10.2#





#49
1,4-Dioxane
Concen: 4.440 ug/l
RT: 9.580 min Scan# 1289
Delta R.T. 0.011 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

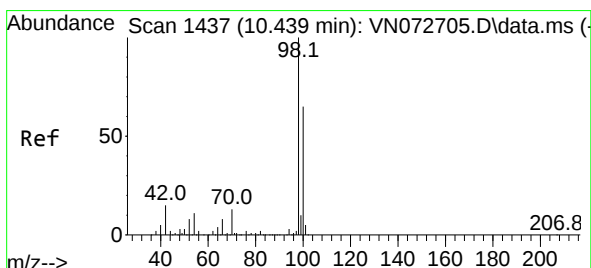
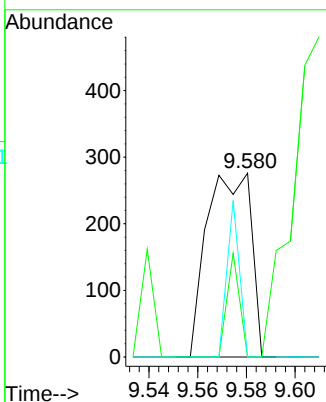
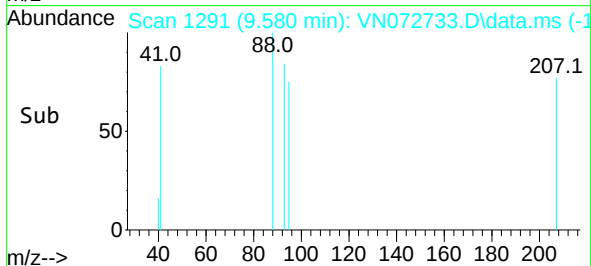
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



Tgt Ion: 88 Resp: 345
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4
58 23.9 54.2 81.4

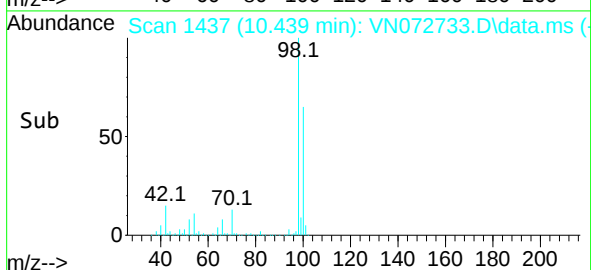
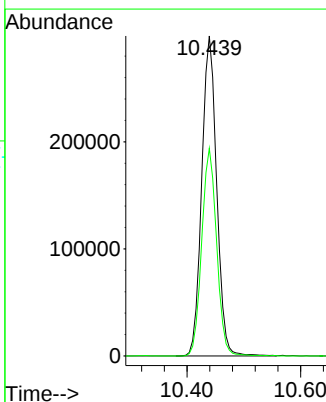
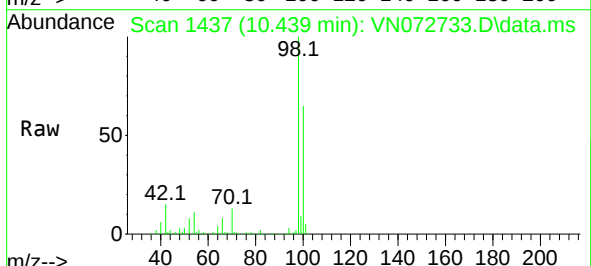
Manual Integrations
APPROVED

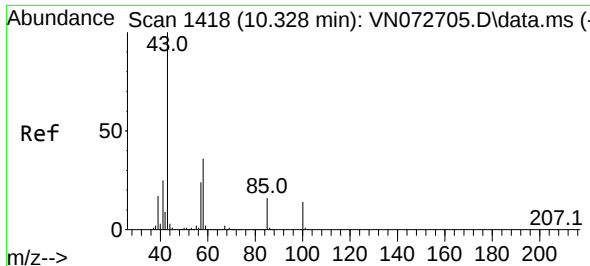
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#50
Toluene-d8
Concen: 50.636 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

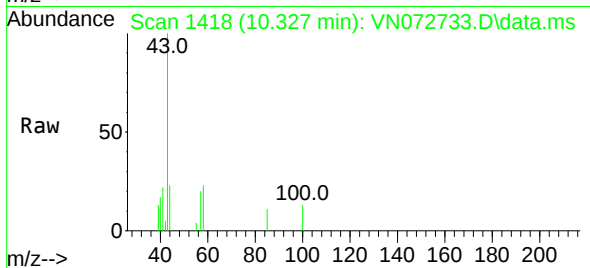
Tgt Ion: 98 Resp: 543582
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8





#51
4-Methyl-2-Pentanone
Concen: 1.096 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

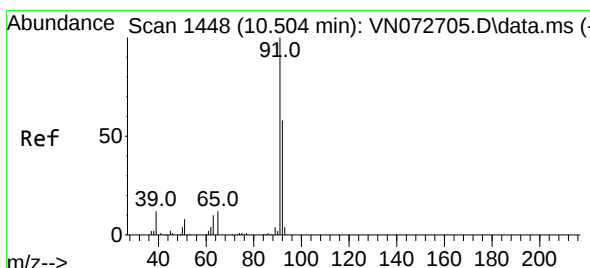
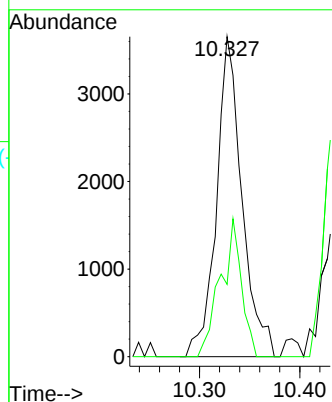
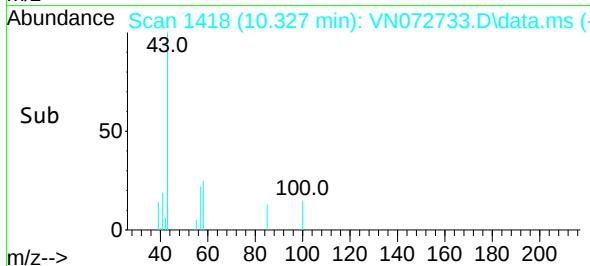
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2022



Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
58 35.5 34.1 51.1

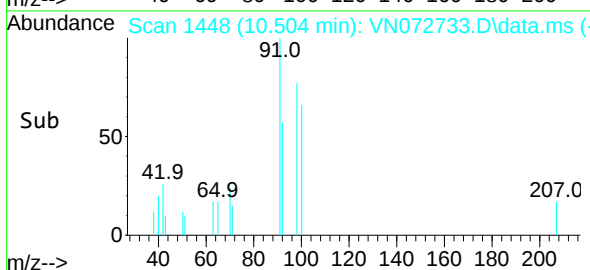
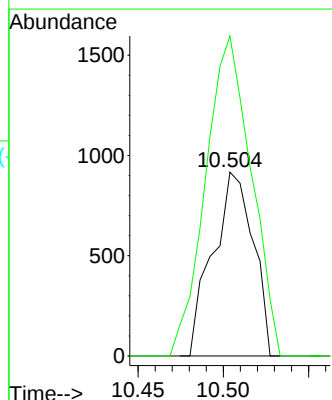
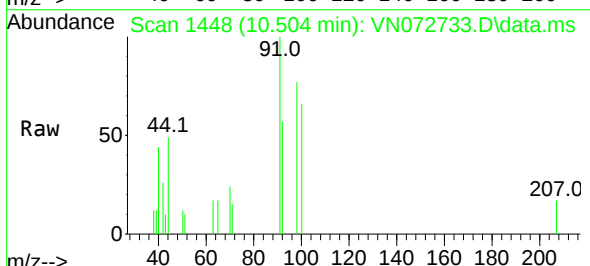
Manual Integrations
APPROVED

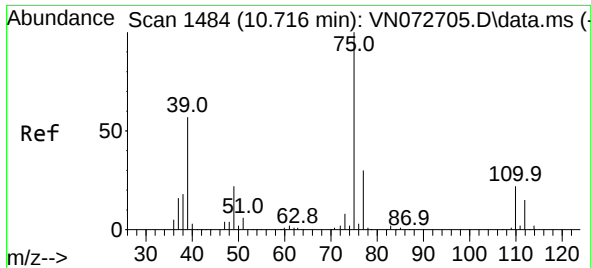
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#52
Toluene
Concen: 0.214 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

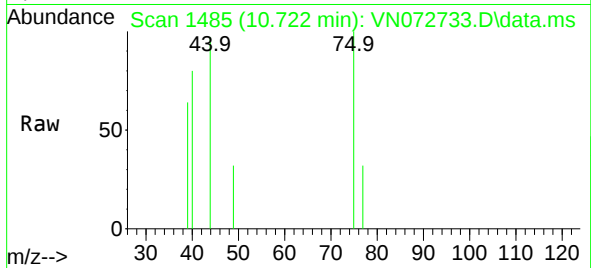
Tgt Ion: 92 Resp: 1513
Ion Ratio Lower Upper
92 100
91 196.3 138.6 207.8





#53
t-1,3-Dichloropropene
Concen: 0.206 ug/l
RT: 10.722 min Scan# 1485
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

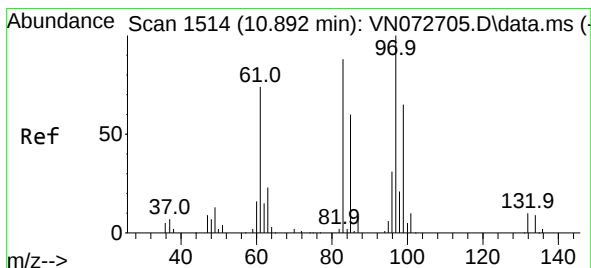
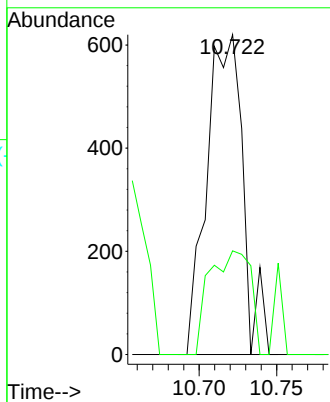
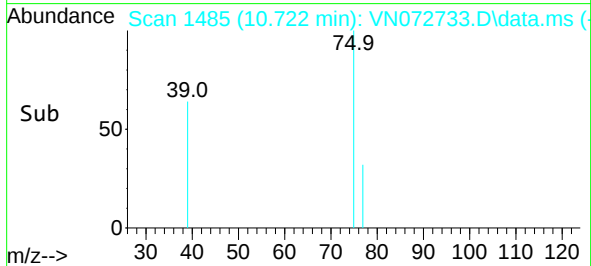
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



Tgt Ion: 75 Resp: 1000
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4

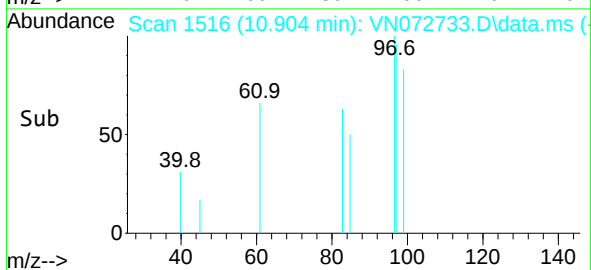
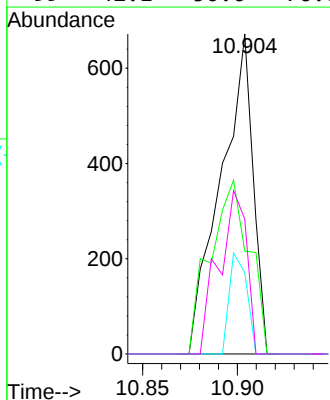
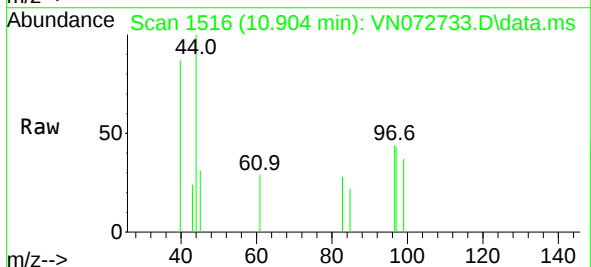
Manual Integrations
APPROVED

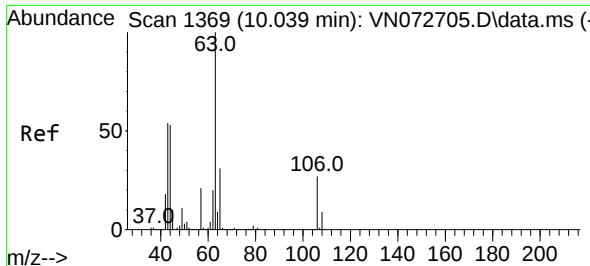
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#55
1,1,2-Trichloroethane
Concen: 0.260 ug/l
RT: 10.904 min Scan# 1516
Delta R.T. 0.012 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

Tgt Ion: 97 Resp: 793
Ion Ratio Lower Upper
97 100
83 32.1 66.2 99.4#
85 25.4 43.9 65.9#
99 42.1 50.6 76.0#





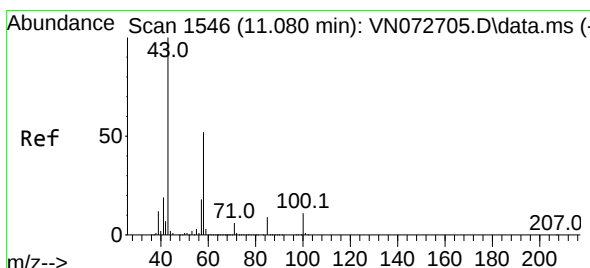
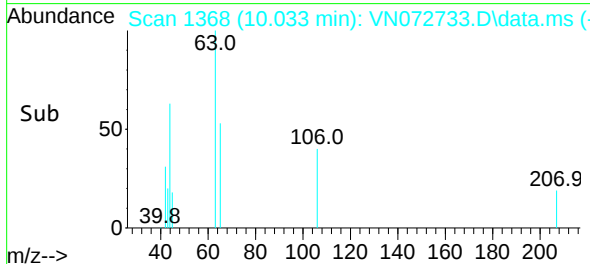
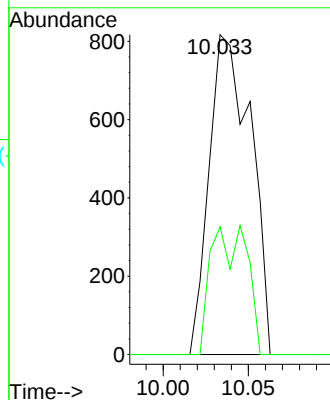
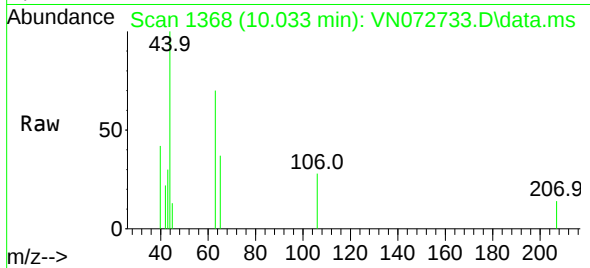
#58
2-Chloroethyl Vinyl ether
Concen: 0.643 ug/l
RT: 10.033 min Scan# 1369
Delta R.T. -0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

Tgt Ion: 63 Resp: 1384
Ion Ratio Lower Upper
63 100
106 35.0 24.6 36.8

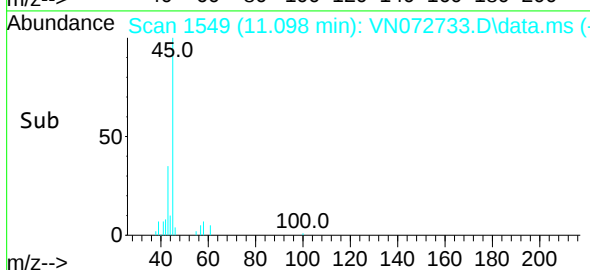
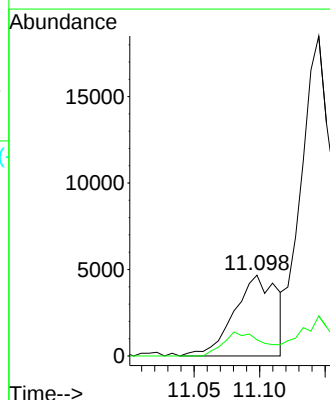
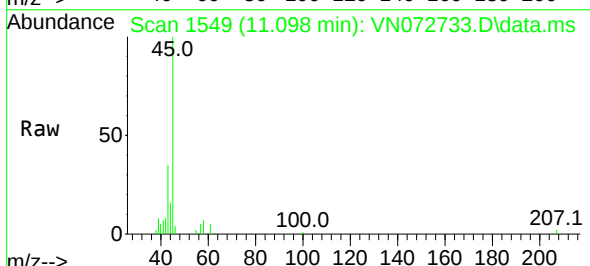
Manual Integrations
APPROVED

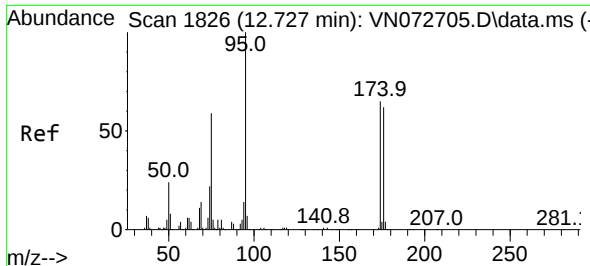
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#59
2-Hexanone
Concen: 2.440 ug/l
RT: 11.098 min Scan# 1549
Delta R.T. 0.018 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

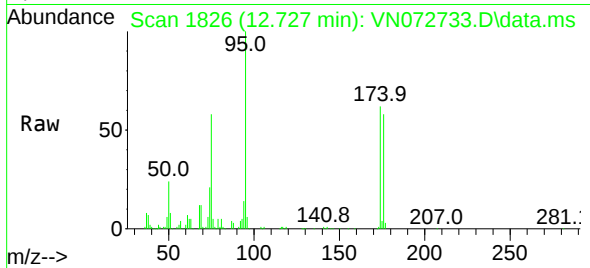
Tgt Ion: 43 Resp: 10559
Ion Ratio Lower Upper
43 100
58 28.3 29.7 89.1#





#62
4-Bromofluorobenzene
Concen: 43.714 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

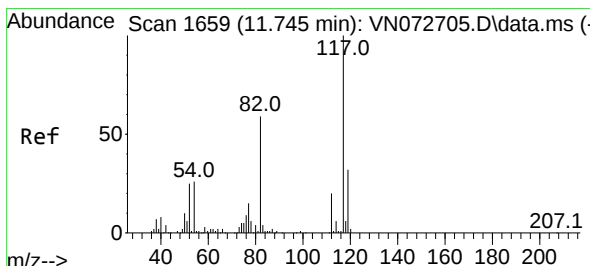
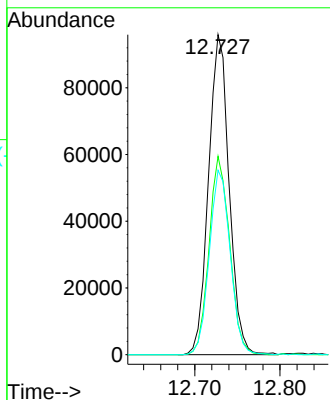
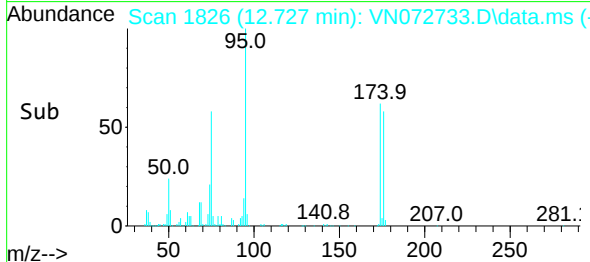
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



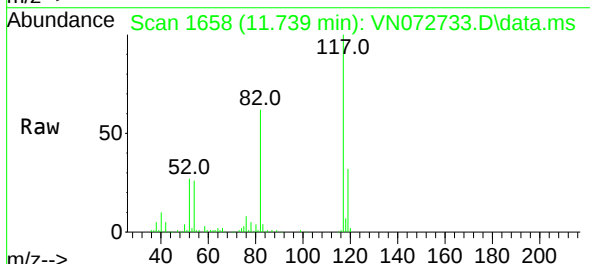
Tgt Ion: 95 Resp: 161029
Ion Ratio Lower Upper
95 100
174 62.1 0.0 167.6
176 58.4 0.0 163.4

Manual Integrations
APPROVED

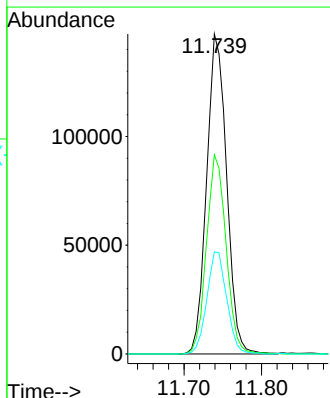
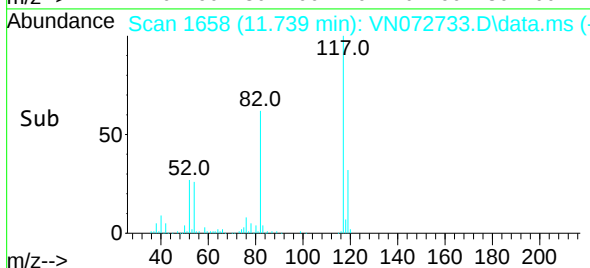
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

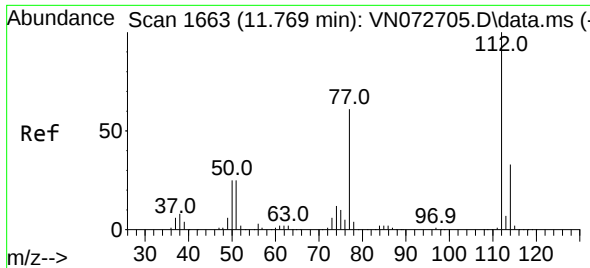


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16



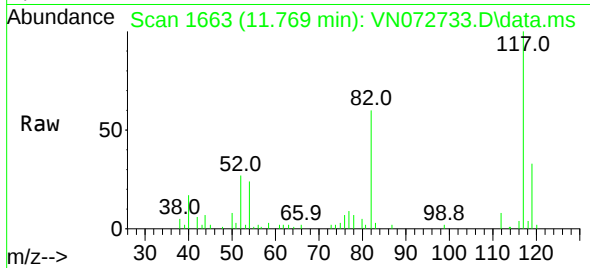
Tgt Ion:117 Resp: 263592
Ion Ratio Lower Upper
117 100
82 62.2 44.2 66.2
119 31.9 25.4 38.0





#65
Chlorobenzene
Concen: 0.219 ug/l
RT: 11.769 min Scan# 1663
Delta R.T. -0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

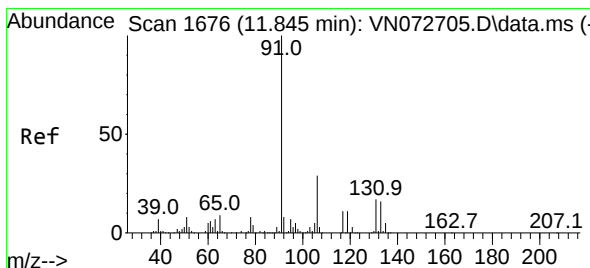
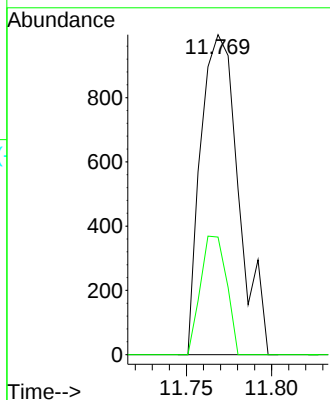
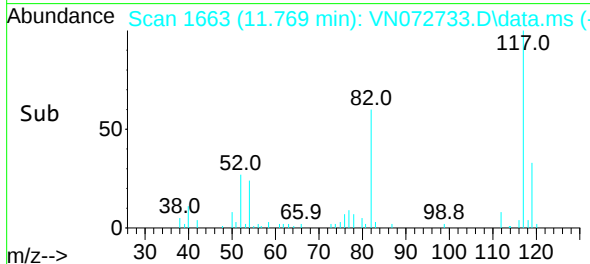
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



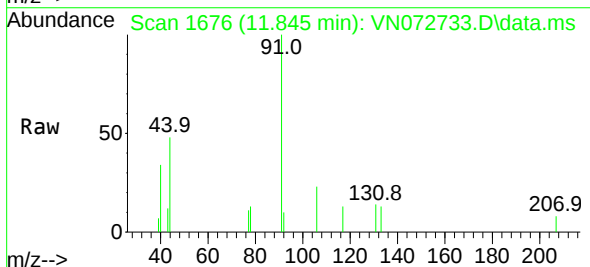
Tgt Ion:112 Resp: 1538
Ion Ratio Lower Upper
112 100
114 36.7 25.4 38.2

Manual Integrations
APPROVED

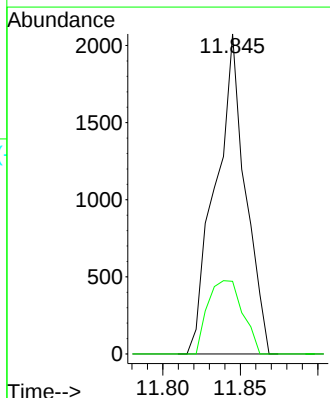
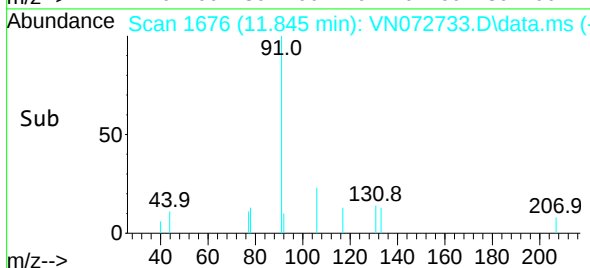
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

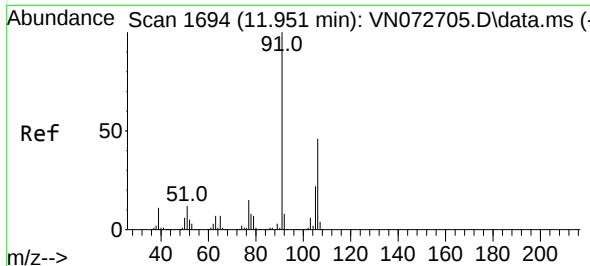


#67
Ethyl Benzene
Concen: 0.210 ug/l
RT: 11.845 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16



Tgt Ion: 91 Resp: 2774
Ion Ratio Lower Upper
91 100
106 22.7 24.9 37.3#





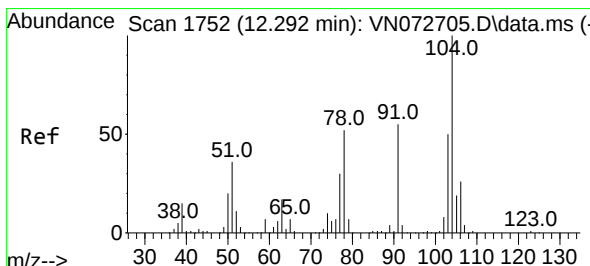
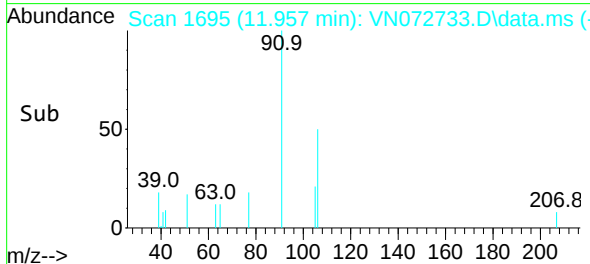
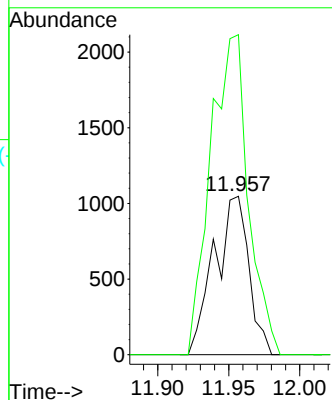
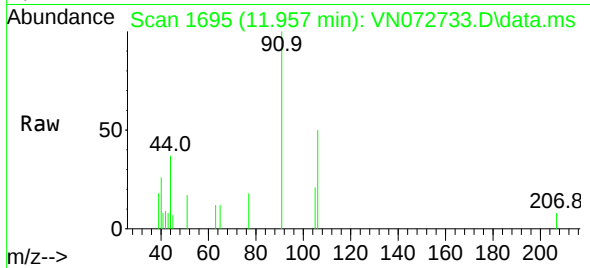
#68
m/p-Xylenes
Concen: 0.377 ug/l
RT: 11.957 min Scan# 1769
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

Tgt Ion:106 Resp: 1769
Ion Ratio Lower Upper
106 100
91 220.8 158.9 238.3

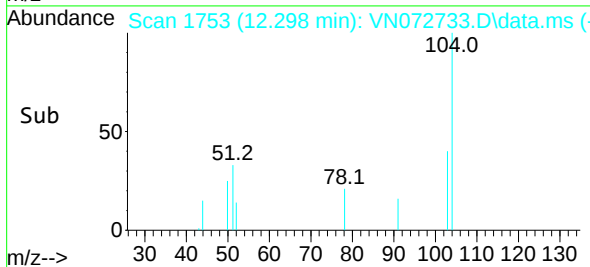
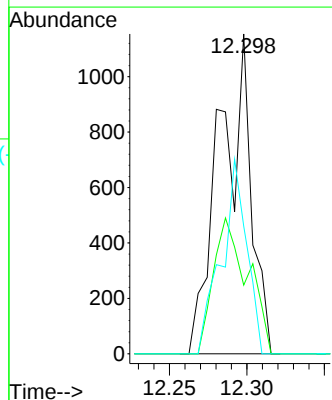
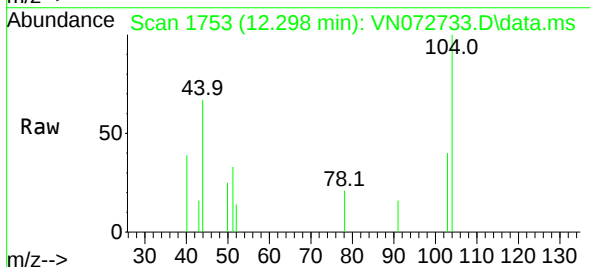
Manual Integrations
APPROVED

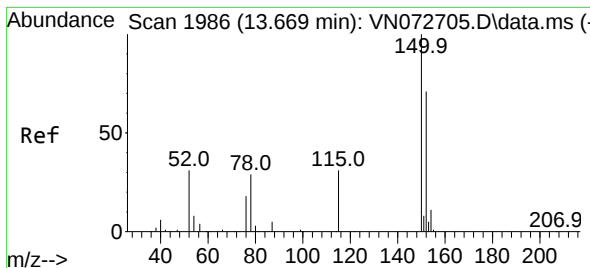
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#70
Styrene
Concen: 0.219 ug/l
RT: 12.298 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

Tgt Ion:104 Resp: 1626
Ion Ratio Lower Upper
104 100
78 46.4 39.5 59.3
103 48.8 44.0 66.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.674 min Scan# 1986

Delta R.T. 0.005 min

Lab File: VN072733.D

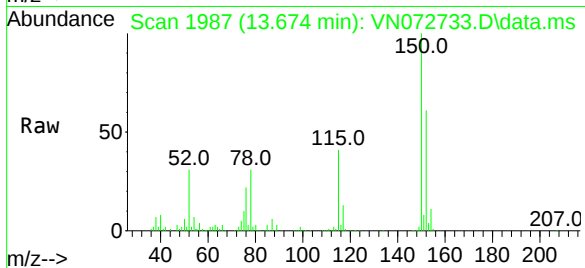
Acq: 09 Jun 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2022



Tgt Ion:152 Resp: 10633

Ion Ratio Lower Upper

152 100

115 66.9 28.9 86.7

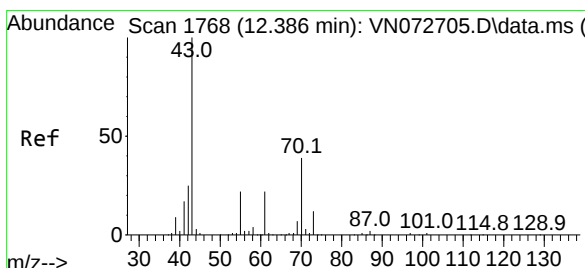
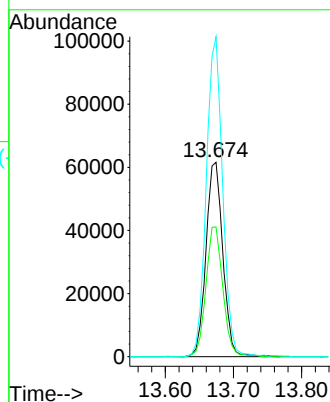
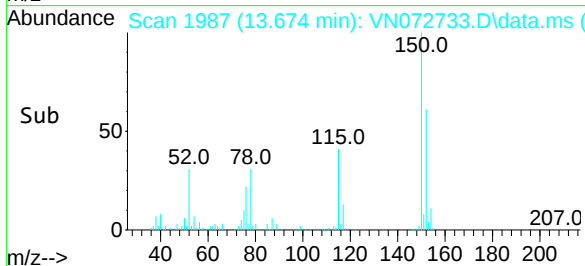
150 158.7 0.0 356.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#74

N-ethyl acetate

Concen: 0.393 ug/l

RT: 12.392 min Scan# 1769

Delta R.T. 0.006 min

Lab File: VN072733.D

Acq: 09 Jun 2022 16:16

Tgt Ion: 43 Resp: 2086

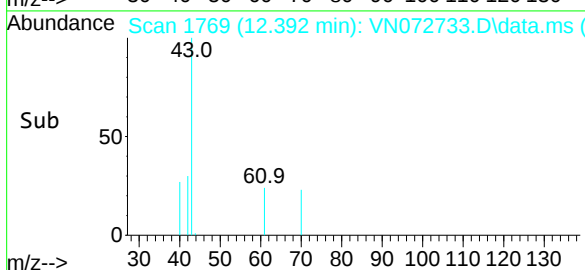
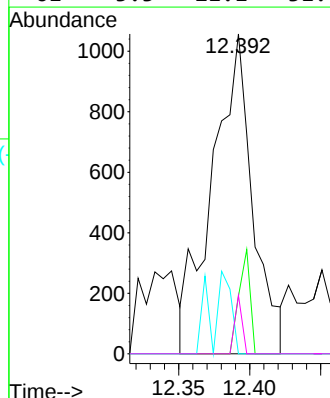
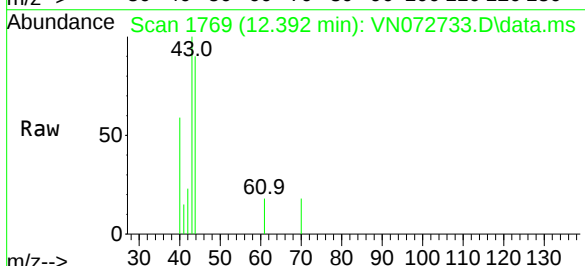
Ion Ratio Lower Upper

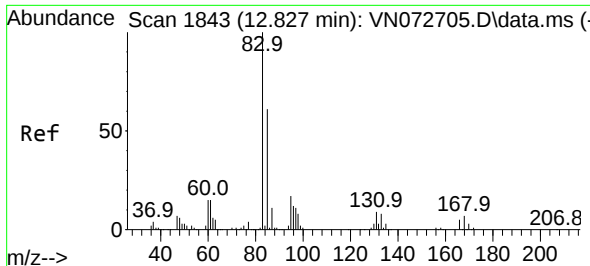
43 100

70 9.1 39.0 58.4#

55 12.6 21.1 31.7#

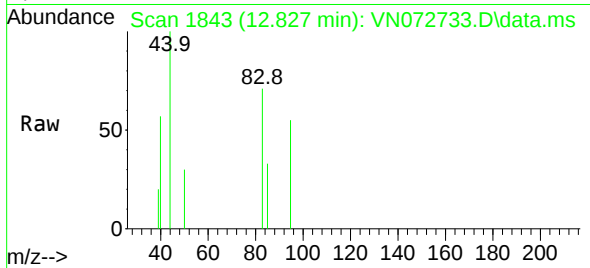
61 3.3 21.1 31.7#





#75
1,1,2,2-Tetrachloroethane
Concen: 0.245 ug/l
RT: 12.827 min Scan# 1843
Delta R.T. 0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

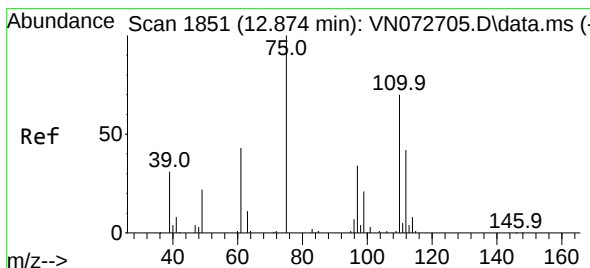
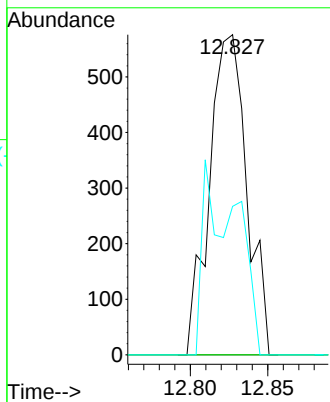
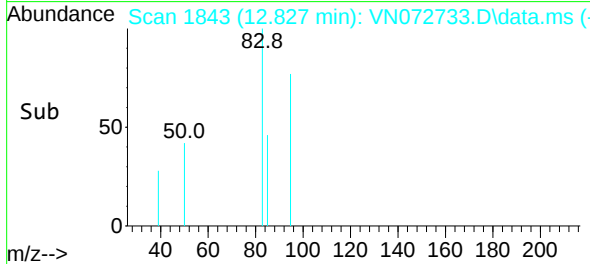
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2022



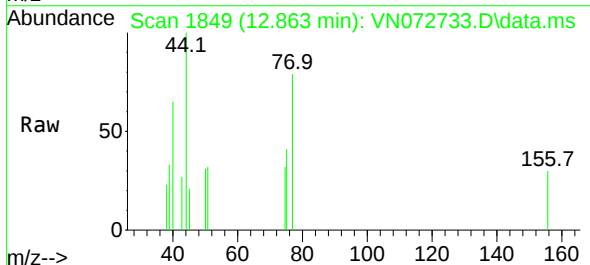
Tgt Ion: 83 Resp: 970
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.9
85 28.4 32.3 96.9

Manual Integrations
APPROVED

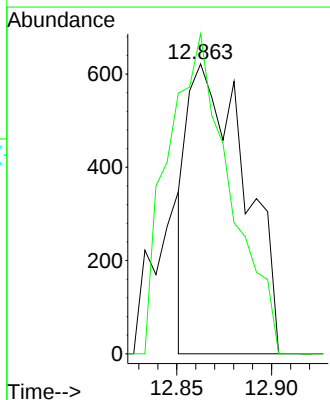
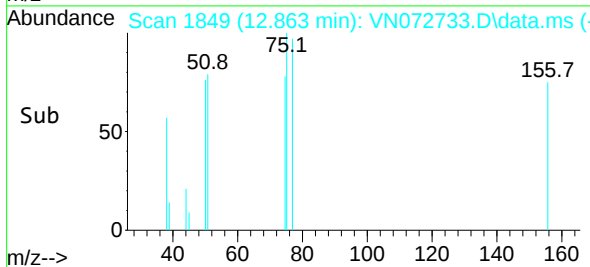
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

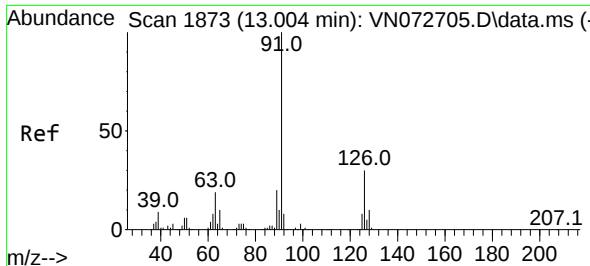


#76
1,2,3-Trichloropropane
Concen: 0.382 ug/l m
RT: 12.863 min Scan# 1849
Delta R.T. -0.011 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16



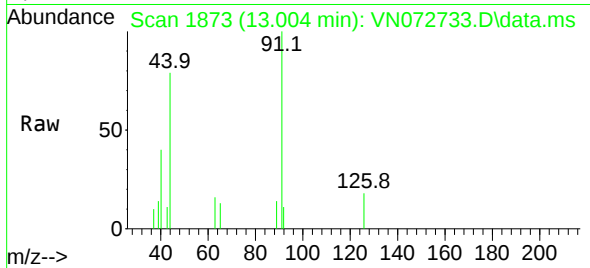
Tgt Ion: 75 Resp: 1311
Ion Ratio Lower Upper
75 100
77 94.4 98.5 295.5#





#79
2-Chlorotoluene
Concen: 0.245 ug/l m
RT: 13.004 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

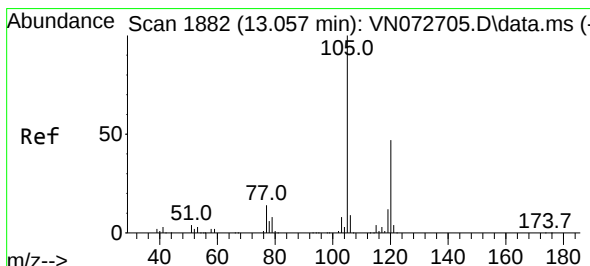
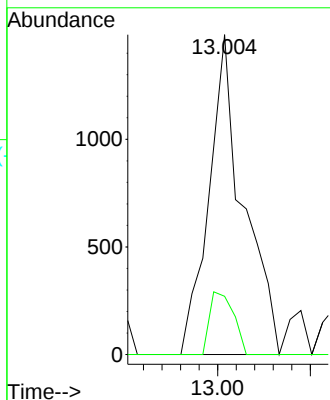
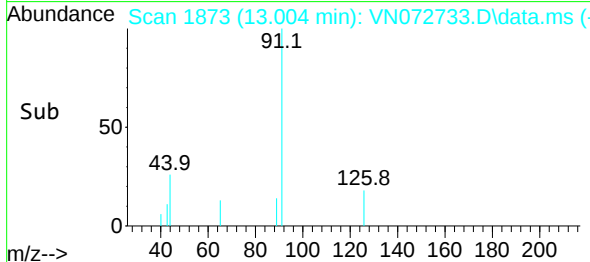
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



Tgt Ion: 91 Resp: 1914
Ion Ratio Lower Upper
91 100
126 26.4 17.3 51.9

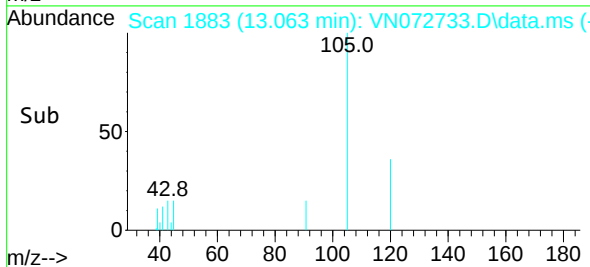
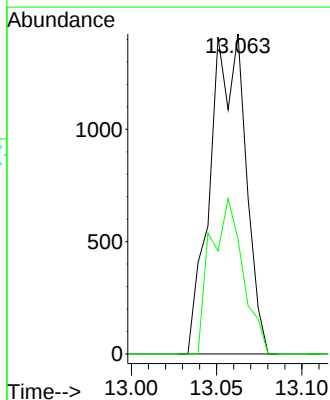
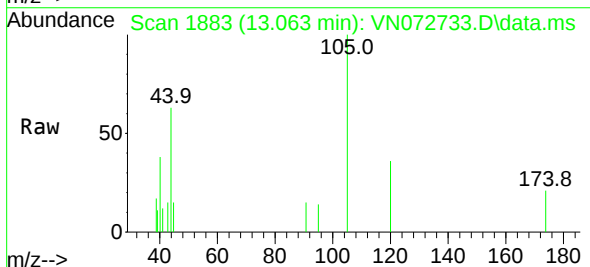
Manual Integrations
APPROVED

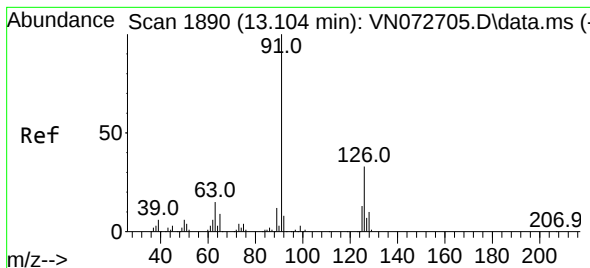
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#80
1,3,5-Trimethylbenzene
Concen: 0.226 ug/l
RT: 13.063 min Scan# 1883
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

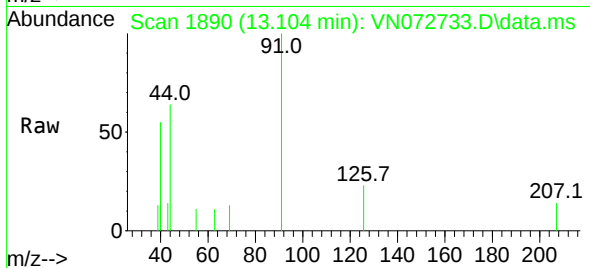
Tgt Ion:105 Resp: 2046
Ion Ratio Lower Upper
105 100
120 44.3 24.9 74.7





#82
4-Chlorotoluene
Concen: 0.242 ug/l
RT: 13.104 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

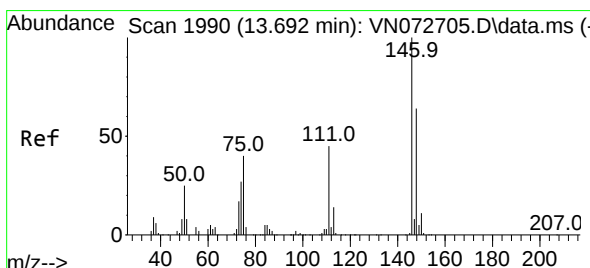
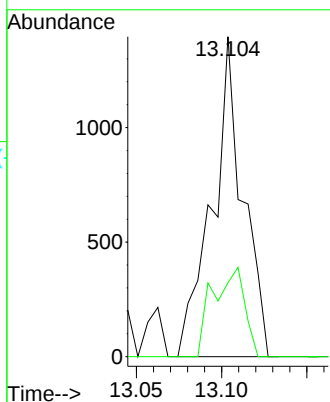
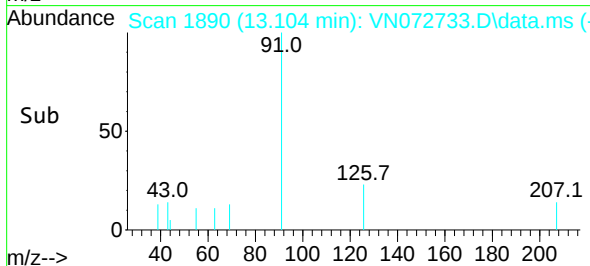
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



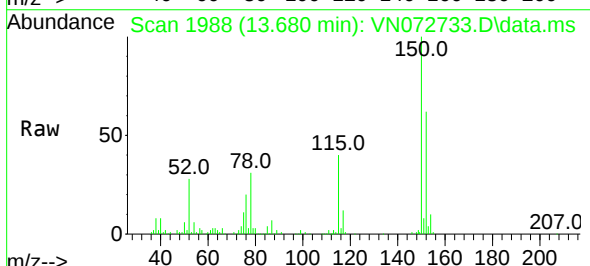
Tgt Ion: 91 Resp: 1748
Ion Ratio Lower Upper
91 100
126 28.9 17.2 51.6

Manual Integrations
APPROVED

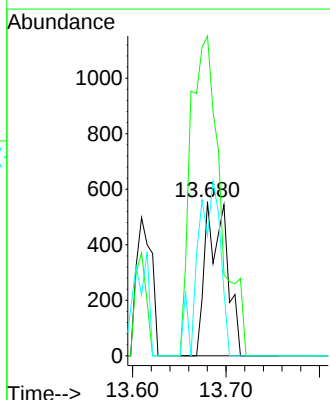
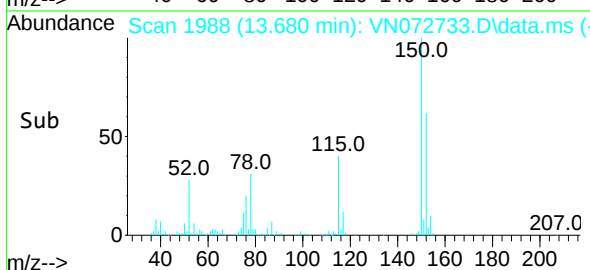
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

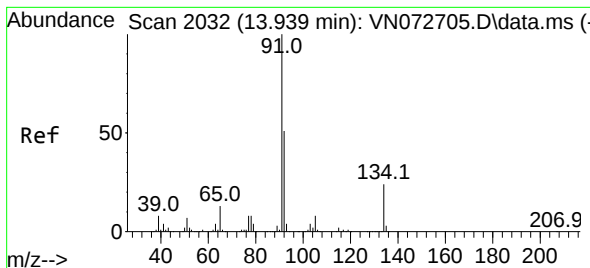


#88
1,4-Dichlorobenzene
Concen: 0.235 ug/l m
RT: 13.680 min Scan# 1988
Delta R.T. -0.012 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16



Tgt Ion:146 Resp: 878
Ion Ratio Lower Upper
146 100
111 34.7 19.1 57.1
148 43.6 31.4 94.3





#89

n-Butylbenzene

Concen: 0.208 ug/l

RT: 13.945 min Scan# 2032

Delta R.T. 0.006 min

Lab File: VN072733.D

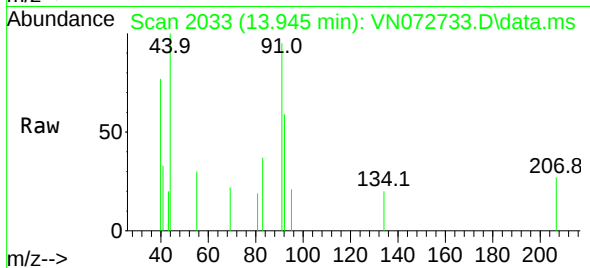
Acq: 09 Jun 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2022



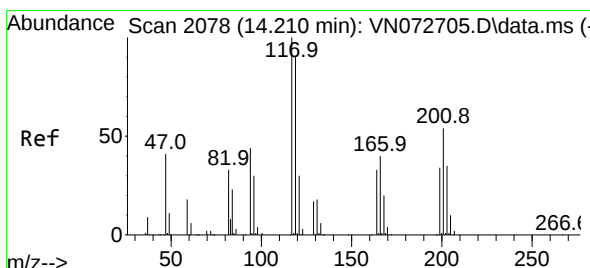
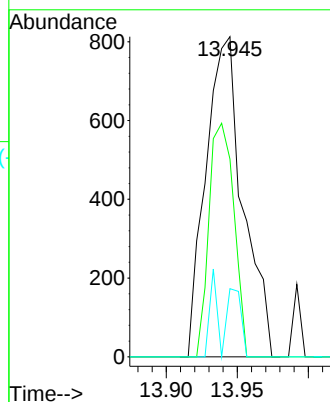
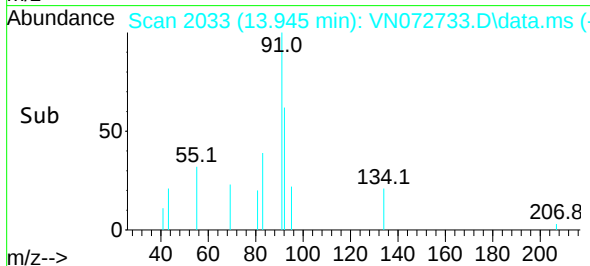
Tgt Ion:	91	Resp:	1480
Ion Ratio	Lower	Upper	
91	100		
92	49.1	26.9	80.7
134	8.1	13.6	40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#90

Hexachloroethane

Concen: 0.303 ug/l

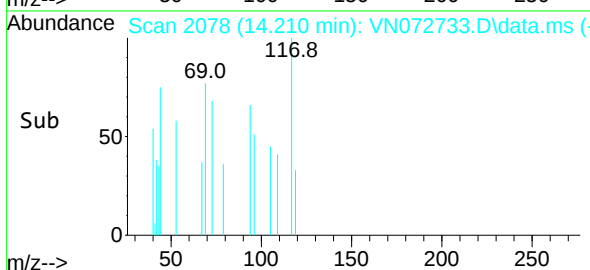
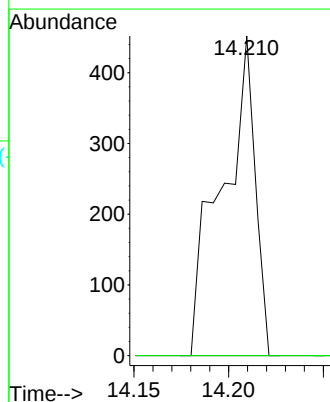
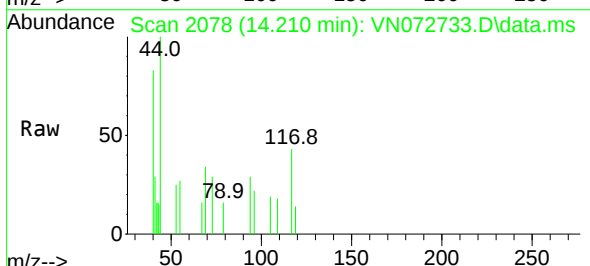
RT: 14.210 min Scan# 2078

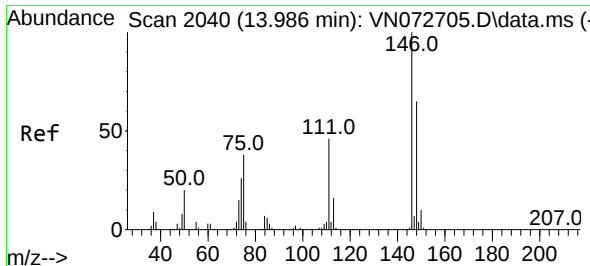
Delta R.T. -0.000 min

Lab File: VN072733.D

Acq: 09 Jun 2022 16:16

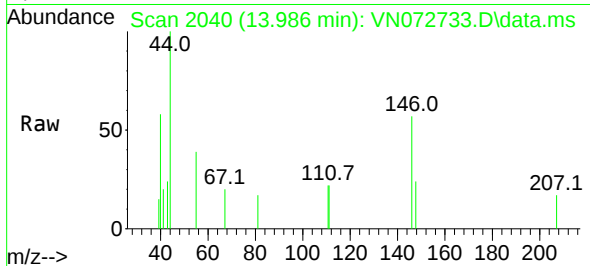
Tgt Ion:	117	Resp:	552
Ion Ratio	Lower	Upper	
117	100		
201	0.0	40.6	122.0





#91
1,2-Dichlorobenzene
Concen: 0.204 ug/l
RT: 13.986 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

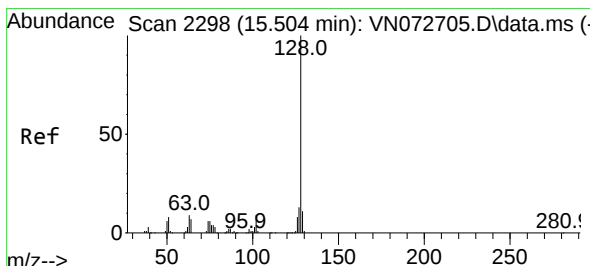
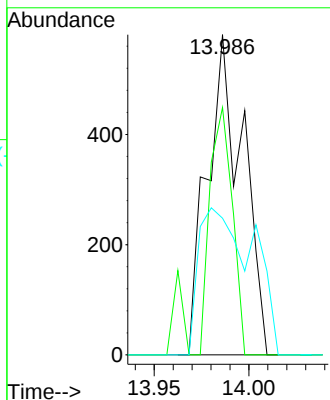
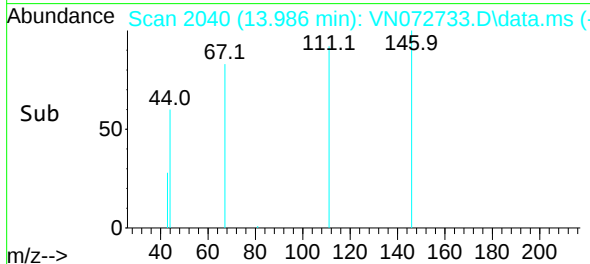
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022



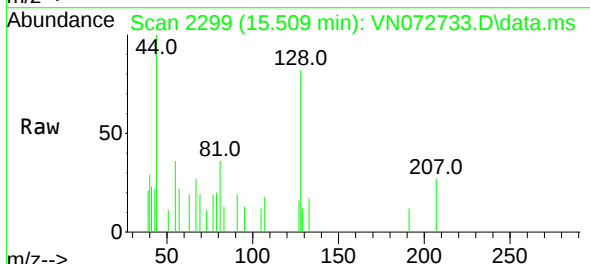
Tgt Ion:146 Resp: 762
Ion Ratio Lower Upper
146 100
111 48.8 20.9 62.8
148 69.4 32.1 96.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#95
Naphthalene
Concen: 0.387 ug/l
RT: 15.509 min Scan# 2299
Delta R.T. 0.005 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16



Tgt Ion:128 Resp: 2704
Ion Ratio Lower Upper
128 100
127 2.0 10.3 15.5#
129 7.4 8.6 13.0#

