

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 04:02:29 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)

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
6) Chloroethane	2.999	64	539	0.302	ug/l	# 42
11) Tert butyl alcohol	5.322	59	2667	2.919	ug/l	# 72
13) Acrolein	4.034	56	1233	3.268	ug/l	# 90
15) Acrylonitrile	5.551	53	886	0.458	ug/l	# 88
16) Acetone	4.298	43	6687	3.644	ug/l	# 97
18) Methyl Acetate	4.851	43	2431	0.509	ug/l	# 56
20) Methylene Chloride	5.093	84	979	0.338	ug/l	# 57
22) Diisopropyl ether	6.487	45	2001	0.208	ug/l	# 84
23) Vinyl Acetate	6.428	43	7835	0.888	ug/l	# 98
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	1523	0.337	ug/l	# 53
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
40) Benzene	8.457	78	2320	0.205	ug/l	# 90
41) Methacrylonitrile	7.633	41	574	0.293	ug/l	# 47
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
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

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 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)
75) 1,1,2,2-Tetrachloroethane	12.827	83	970	0.245	ug/l #	56
76) 1,2,3-Trichloropropane	12.727	75	95622	27.868	ug/l #	1
79) 2-Chlorotoluene	13.104	91	1748	0.224	ug/l	90
80) 1,3,5-Trimethylbenzene	13.063	105	2046	0.226	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.727	75	95622	72.881	ug/l #	10
82) 4-Chlorotoluene	13.104	91	1748	0.242	ug/l	91
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

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

Abundance

TIC: VN072733.D\data.ms

Time-->

Chloromethane, P
Vinyl Chloride, C

Chloroethane, T

Acrolein, T
Acetone, T

Methyl Acetate, T
Methylene Chloride, T
Tert butyl alcohol, T
Acrylonitrile, T

Isopropyl alcohol, P
Isopropyl alcohol, T

Acetone, T
Methacrylonitrile, T

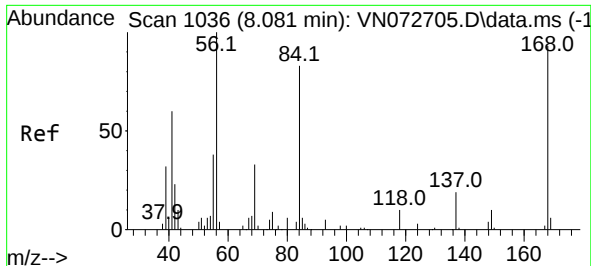
1,1-Dichloropropene, T
1,1-Dichloroethane, T
1,2-Dichloroethane, T
1,2-Dichloroethane-d4, S
1,4-Difluorobenzene, I

1,3-Dichloropropene, T
1,1,2-Trichloroethane, T
2-Chloroethyl Vinyl ether, T
4-Methyl-2-Pentanone, T
Toluene, CM

Dibromomethane, T
Bromodichloromethane, T
2-Chloroethyl Vinyl ether, T
Toluene, CM

Chlorobenzene-d5, I
Chlorobenzene, PM
N-Propylacetate, T
N-Propylacetate, T
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1,1,2,2-Tetrachloroethane, T
1,4-Dichlorobenzene-d4, I

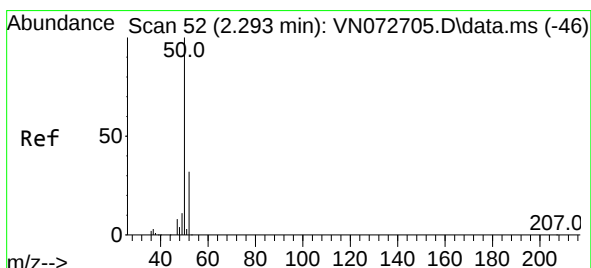
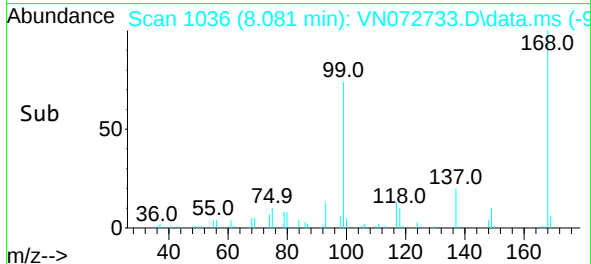
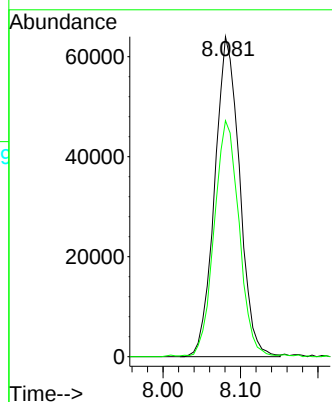
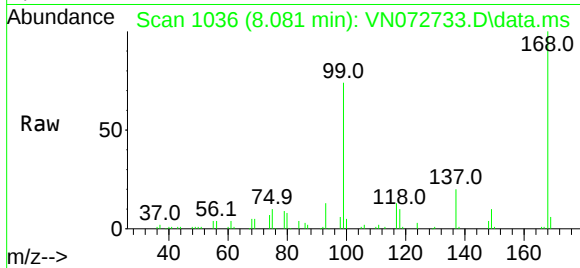
1,4-Dichlorobenzene, T
Hexachloroethane, T
Naphthalene, T



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

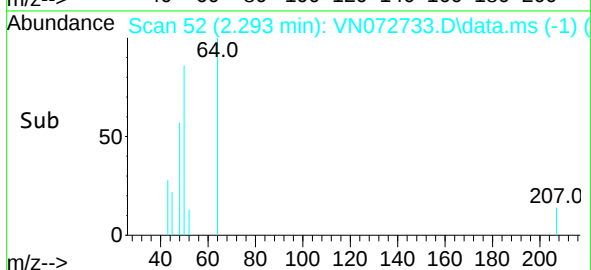
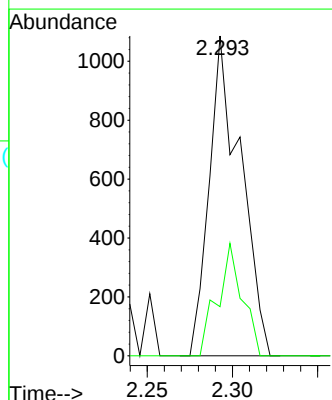
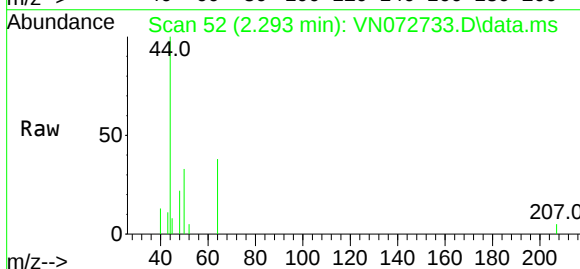
Instrument :
MSVOA_N
ClientSampleId :
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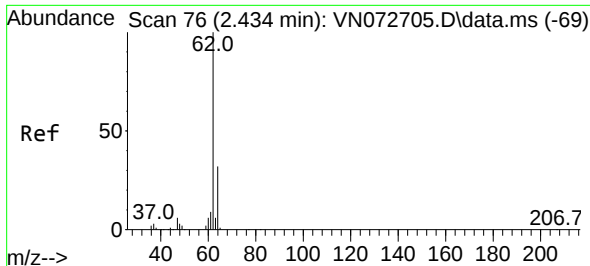
Tgt Ion:168 Resp: 142706
Ion Ratio Lower Upper
168 100
99 73.5 42.3 63.5#



#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#

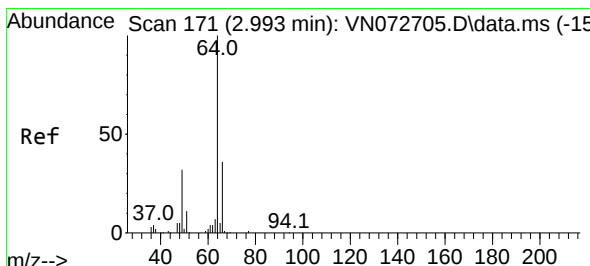
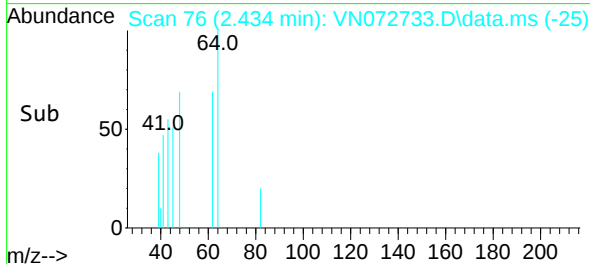
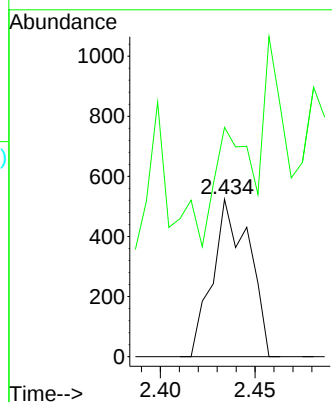
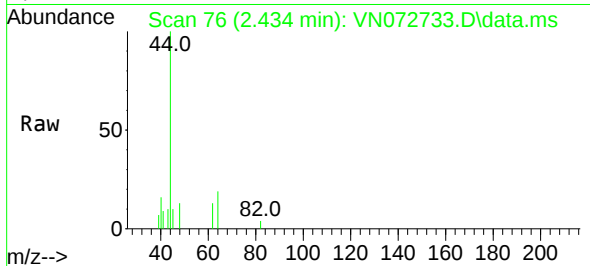




#4
 Vinyl Chloride
 Concen: 0.277 ug/l
 RT: 2.434 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VN072733.D
 Acq: 09 Jun 2022 16:16

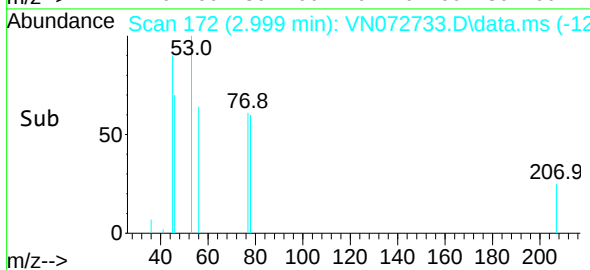
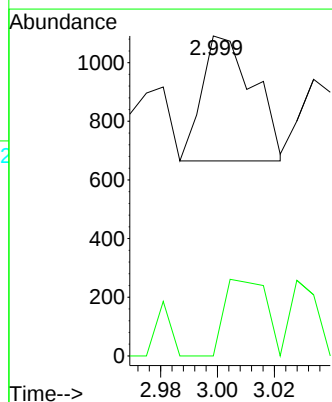
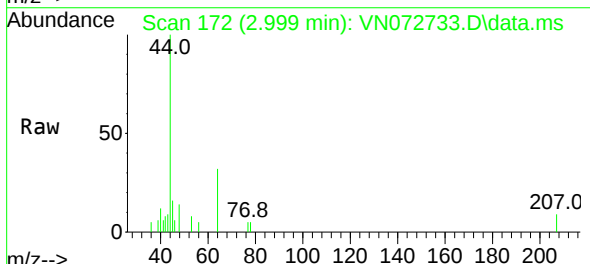
Instrument :
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 ClientSampleId :
 MDL-WATER-03-QT2-2022

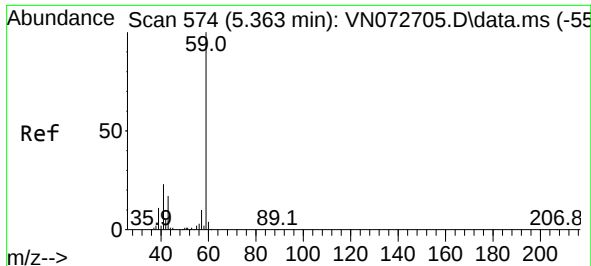
Tgt Ion: 62 Resp: 703
 Ion Ratio Lower Upper
 62 100
 64 58.0 25.0 37.4#



#6
 Chloroethane
 Concen: 0.302 ug/l
 RT: 2.999 min Scan# 172
 Delta R.T. 0.006 min
 Lab File: VN072733.D
 Acq: 09 Jun 2022 16:16

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

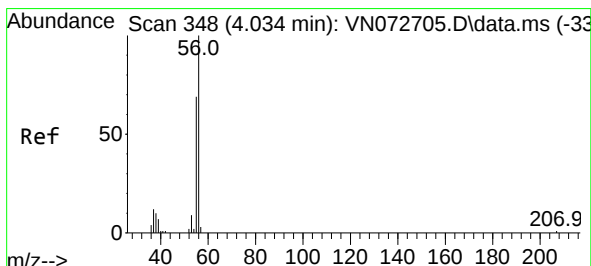
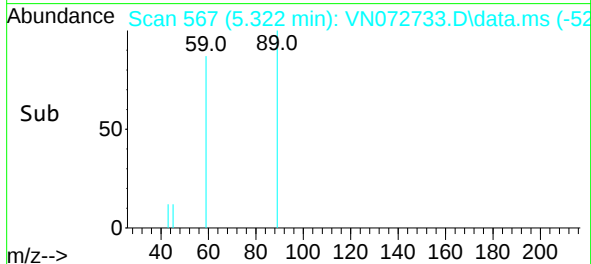
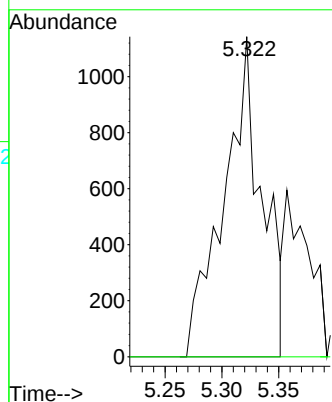
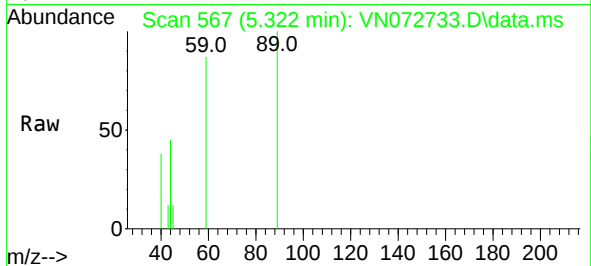




#11
Tert butyl alcohol
Concen: 2.919 ug/l
RT: 5.322 min Scan# 50
Delta R.T. -0.041 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

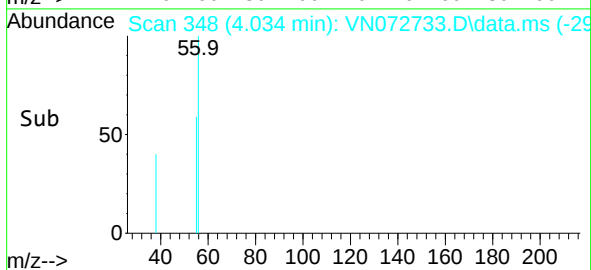
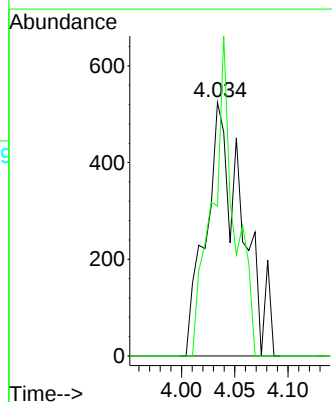
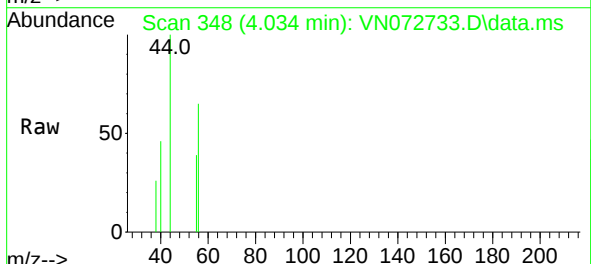
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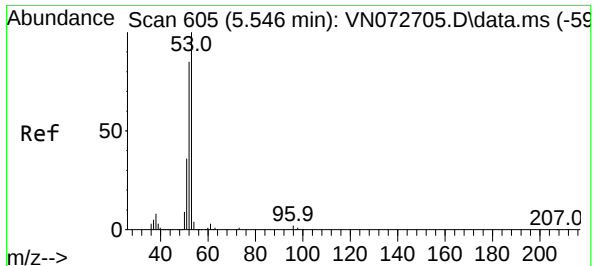
Tgt Ion: 59 Resp: 2667
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#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

Tgt Ion: 56 Resp: 1233
Ion Ratio Lower Upper
56 100
55 76.9 54.8 82.2

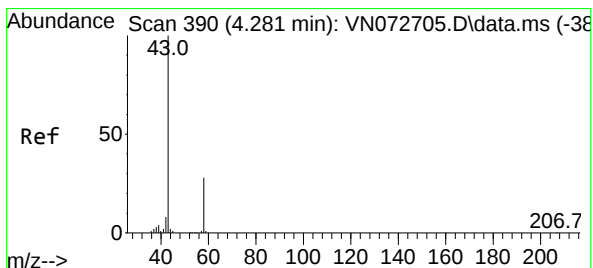
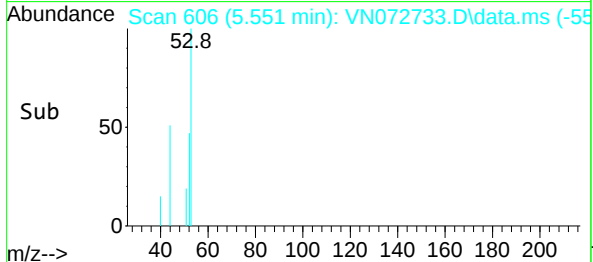
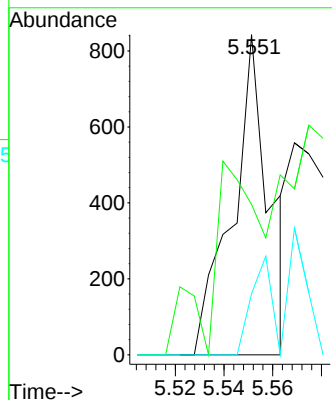
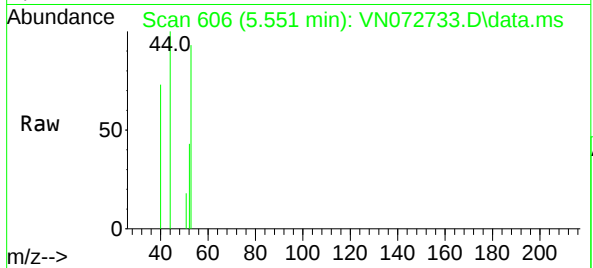




#15
Acrylonitrile
Concen: 0.458 ug/l
RT: 5.551 min Scan# 605
Delta R.T. 0.005 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

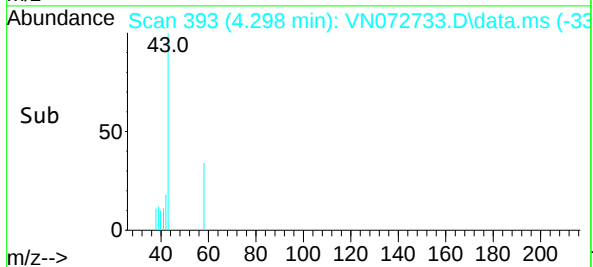
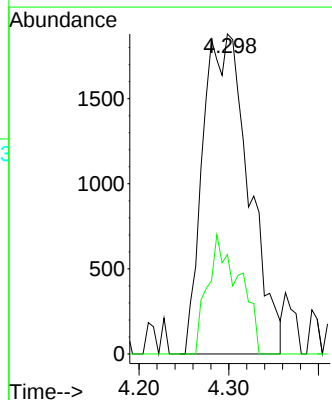
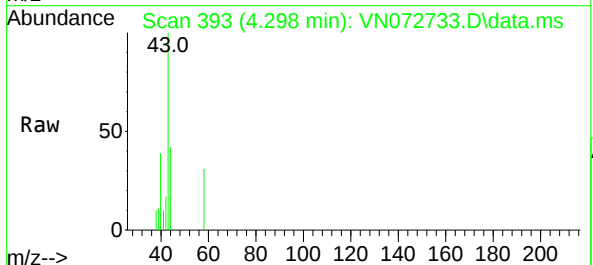
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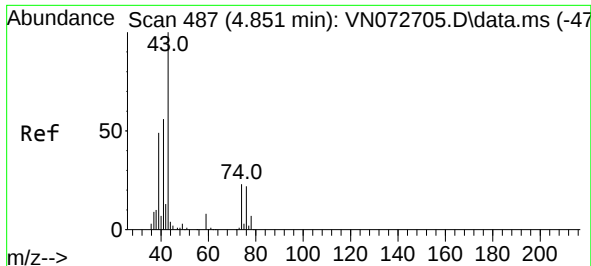
Tgt Ion: 53 Resp: 886
Ion Ratio Lower Upper
53 100
52 80.0 66.4 99.6
51 16.8 28.5 42.7#



#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

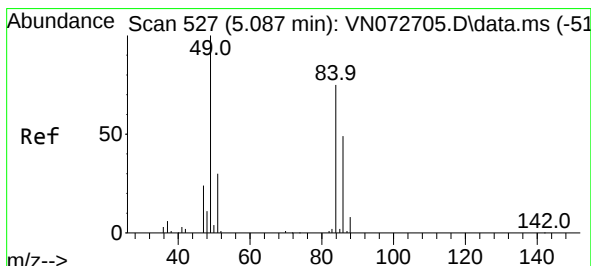
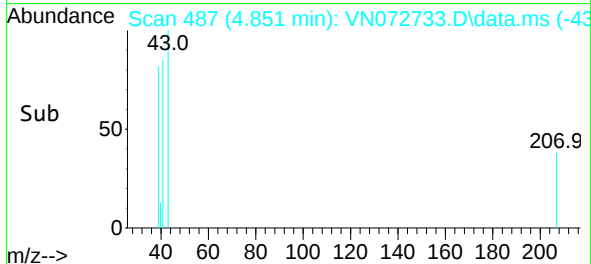
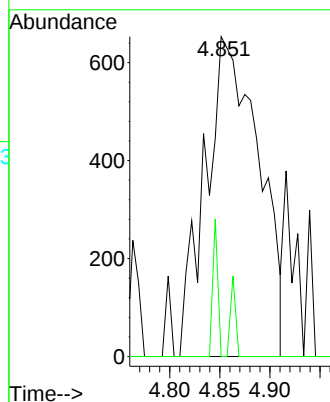
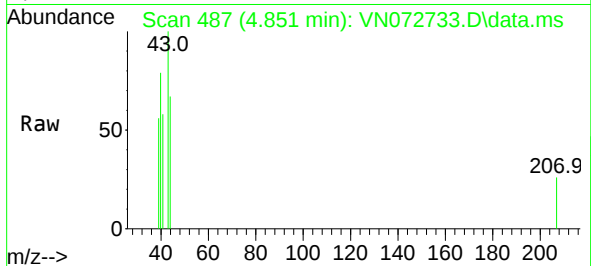




#18
Methyl Acetate
Concen: 0.509 ug/l
RT: 4.851 min Scan# 487
Delta R.T. 0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

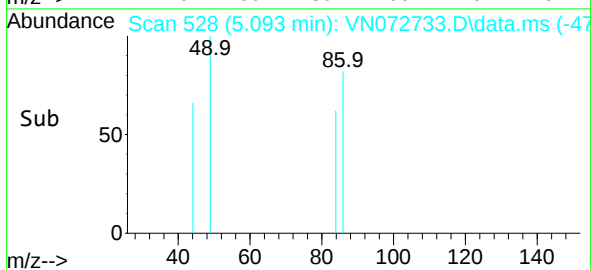
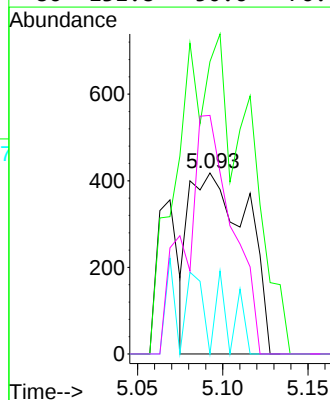
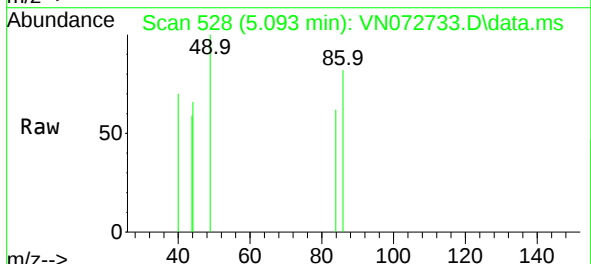
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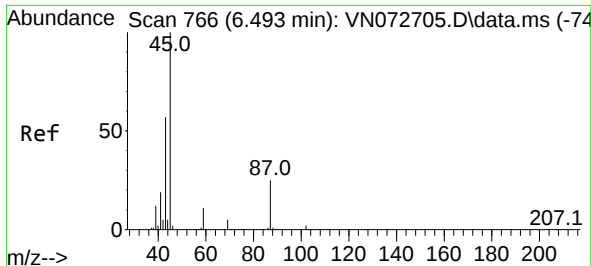
Tgt Ion: 43 Resp: 2431
Ion Ratio Lower Upper
43 100
74 4.1 21.6 32.4#



#20
Methylene Chloride
Concen: 0.338 ug/l
RT: 5.093 min Scan# 528
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

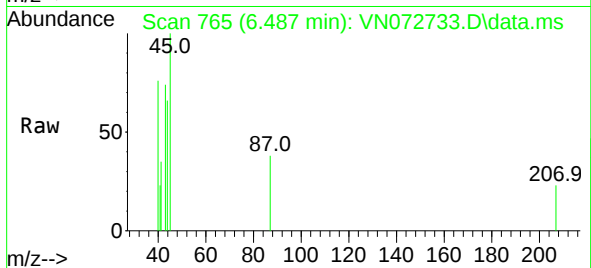
Tgt Ion: 84 Resp: 979
Ion Ratio Lower Upper
84 100
49 123.2 88.3 132.5
51 0.0 28.2 42.2#
86 131.8 50.6 76.0#





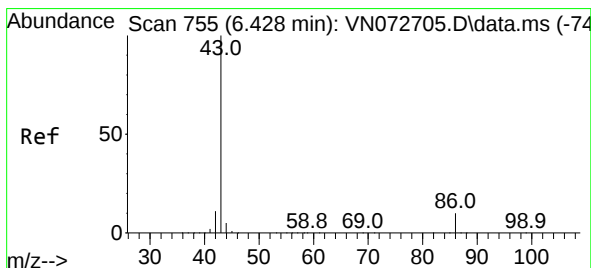
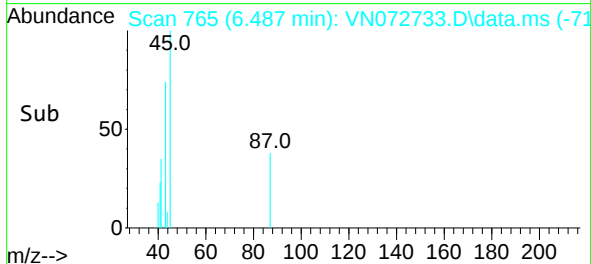
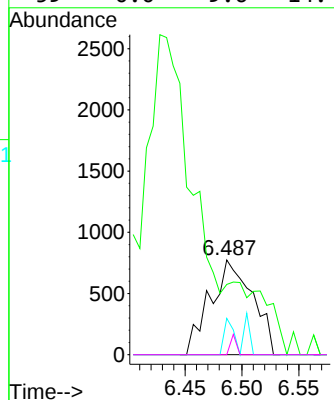
#22
Diisopropyl ether
Concen: 0.208 ug/l
RT: 6.487 min Scan# 765
Delta R.T. -0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

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



Tgt Ion: 45 Resp: 2001

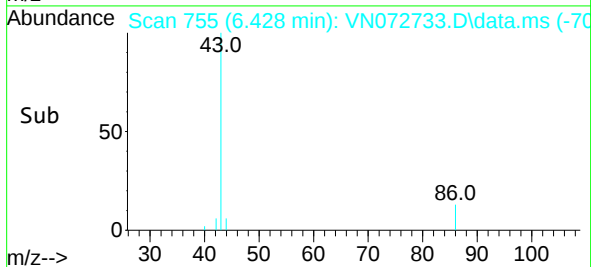
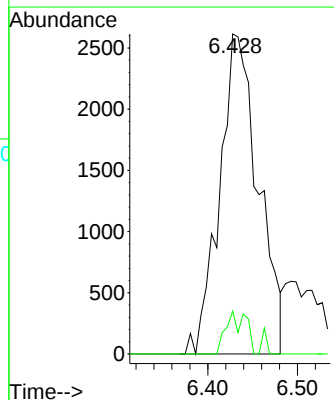
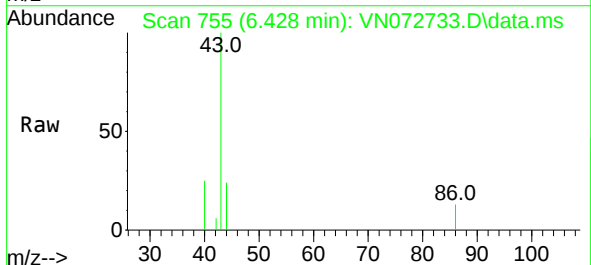
Ion	Ratio	Lower	Upper
45	100		
43	47.8	46.6	70.0
87	38.4	24.3	36.5
59	0.0	9.6	14.4

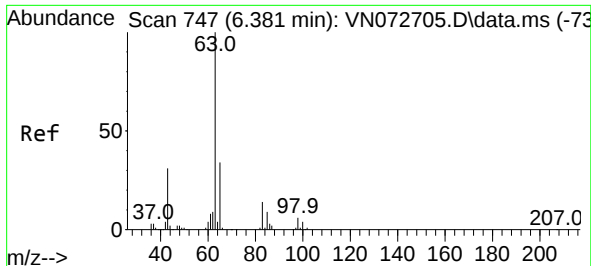


#23
Vinyl Acetate
Concen: 0.888 ug/l
RT: 6.428 min Scan# 755
Delta R.T. -0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

Tgt Ion: 43 Resp: 7835

Ion	Ratio	Lower	Upper
43	100		
86	13.3	10.0	15.0

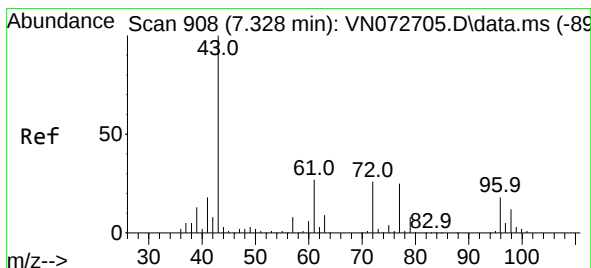
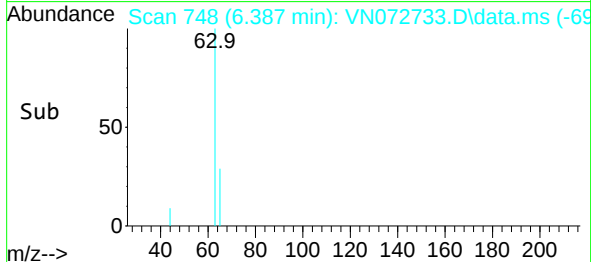
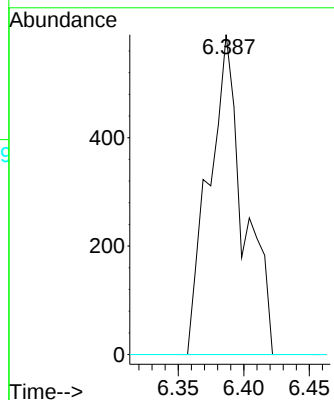
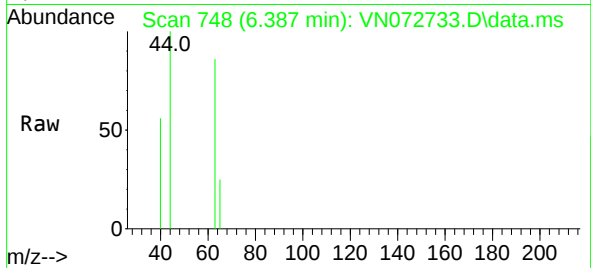




#24
1,1-Dichloroethane
Concen: 0.218 ug/l
RT: 6.387 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

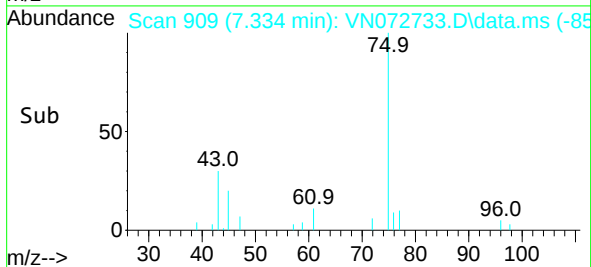
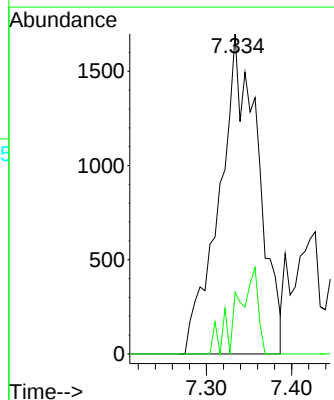
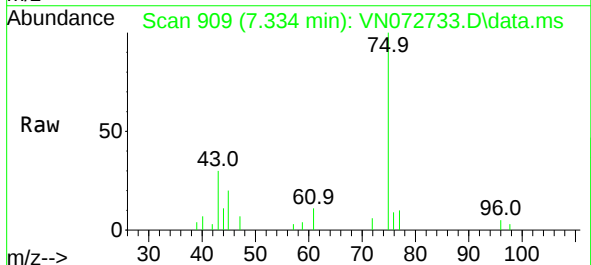
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

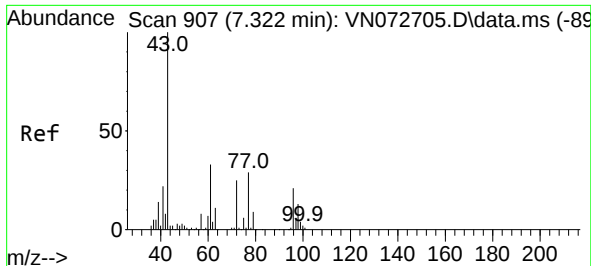
Tgt Ion: 63 Resp: 1091
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.4#
100 0.0 2.3 6.8#



#25
2-Butanone
Concen: 1.817 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

Tgt Ion: 43 Resp: 5365
Ion Ratio Lower Upper
43 100
72 19.3 23.7 35.5#

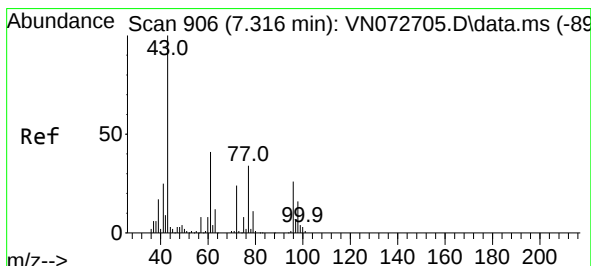
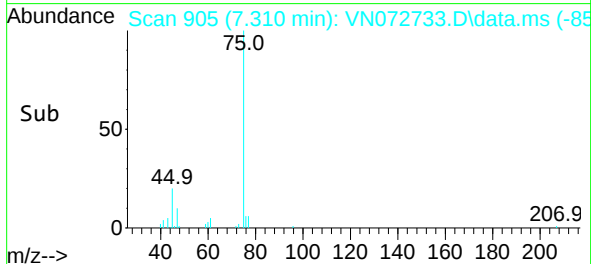
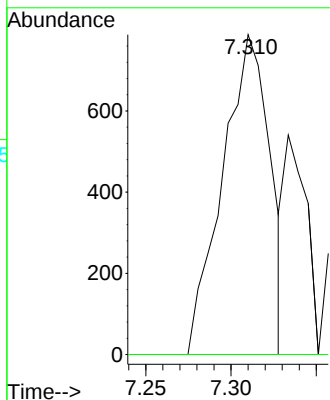
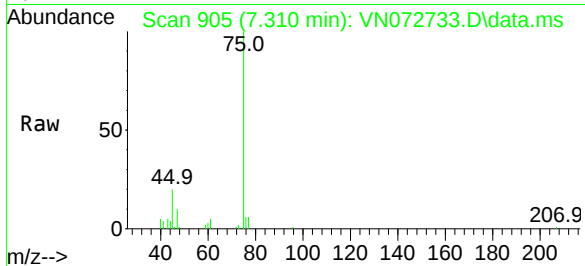




#26
2,2-Dichloropropane
Concen: 0.337 ug/l
RT: 7.310 min Scan# 907
Delta R.T. -0.012 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

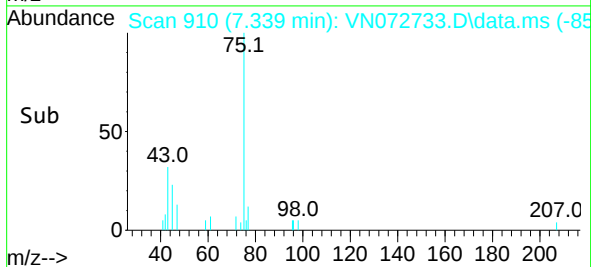
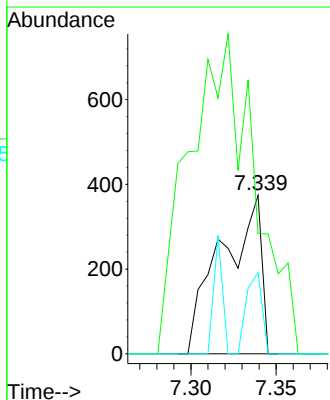
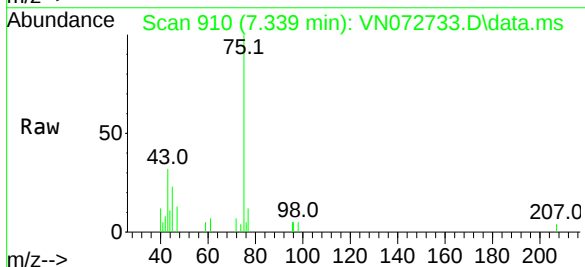
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

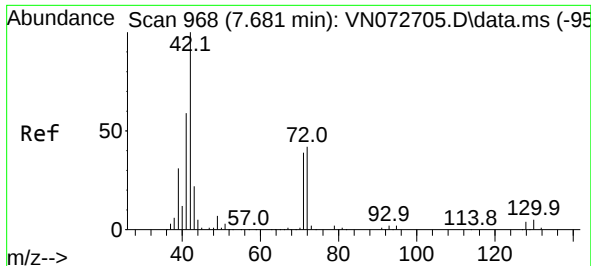
Tgt Ion: 77 Resp: 1523
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#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

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





#29

Tetrahydrofuran

Concen: 1.393 ug/l

RT: 7.686 min Scan# 9

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

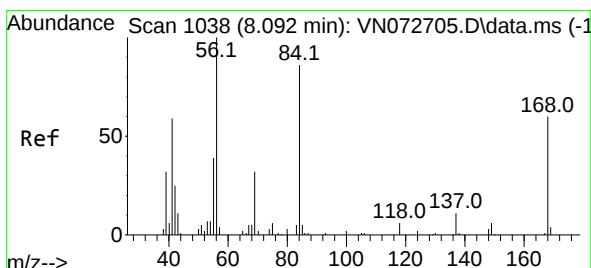
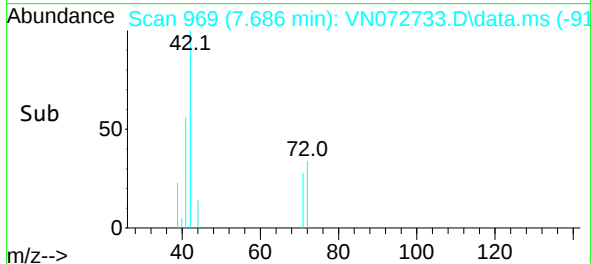
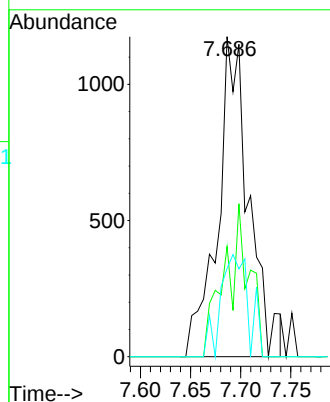
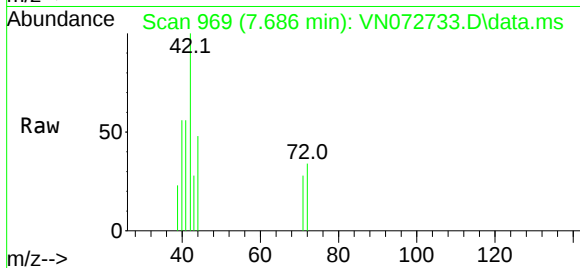
Tgt Ion: 42 Resp: 2542

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

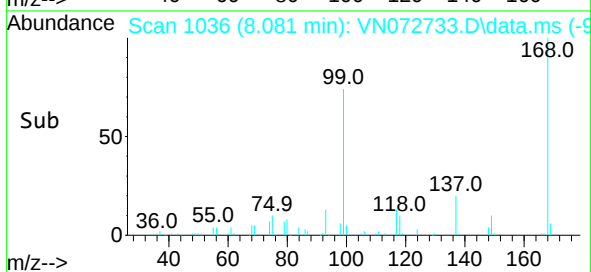
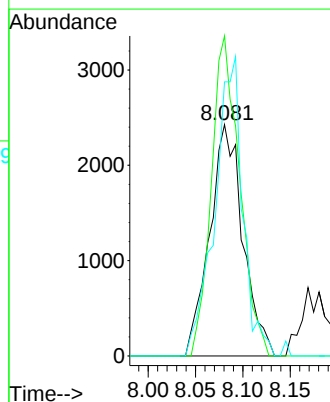
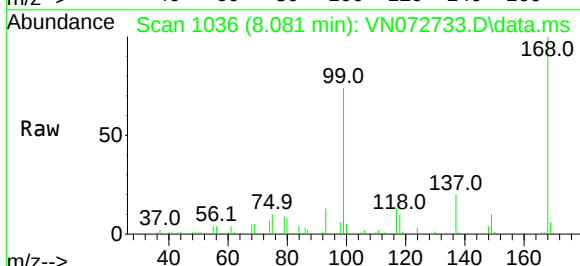
Tgt Ion: 56 Resp: 5909

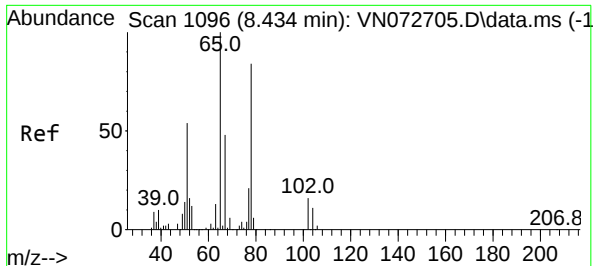
Ion Ratio Lower Upper

56 100

69 138.3 27.8 41.8#

84 118.5 76.9 115.3#





#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

Instrument :

MSVOA_N

ClientSampleId :

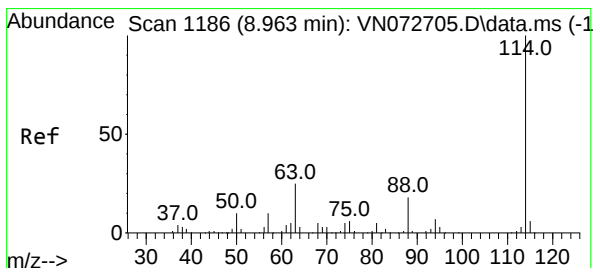
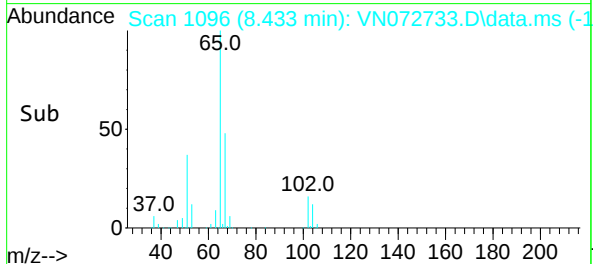
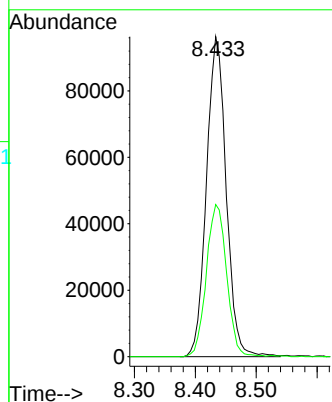
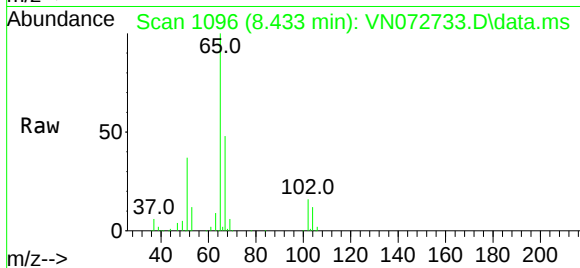
MDL-WATER-03-QT2-2022

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

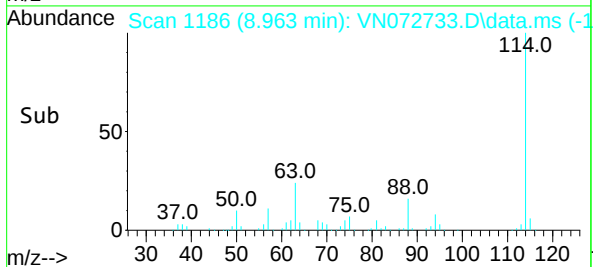
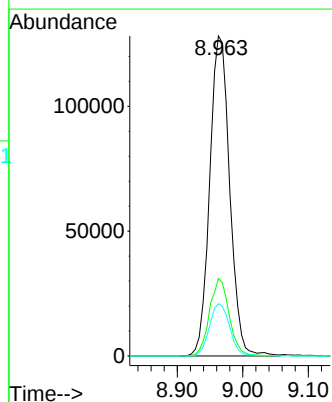
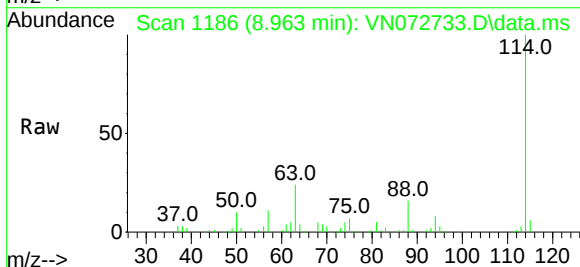
Tgt Ion: 114 Resp: 271923

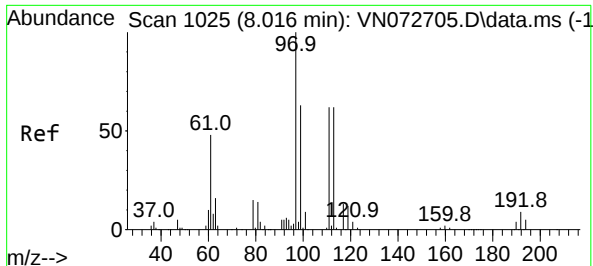
Ion Ratio Lower Upper

114 100

63 24.2 0.0 40.0

88 16.4 0.0 32.6

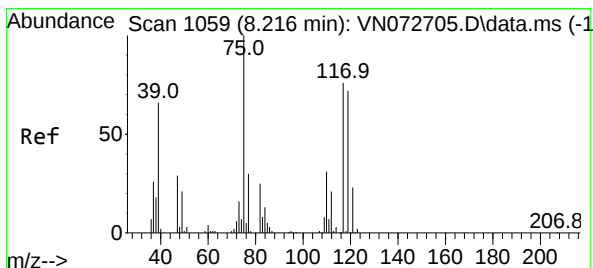
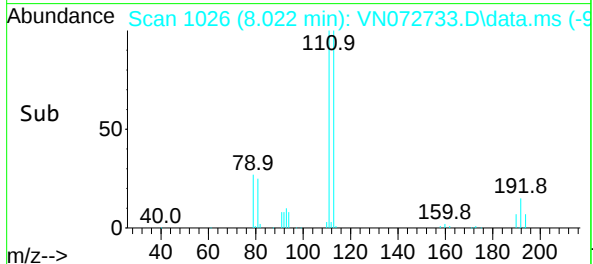
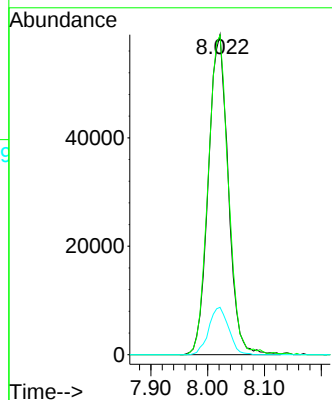
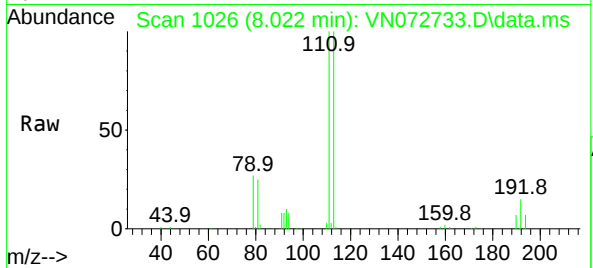




#35
Dibromofluoromethane
Concen: 53.162 ug/l
RT: 8.022 min Scan# 1060
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

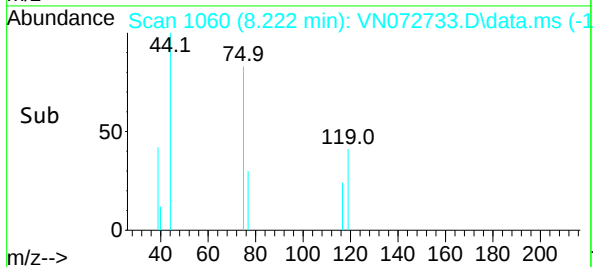
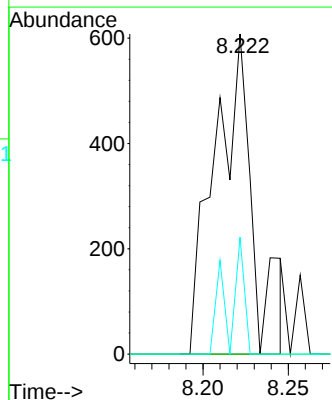
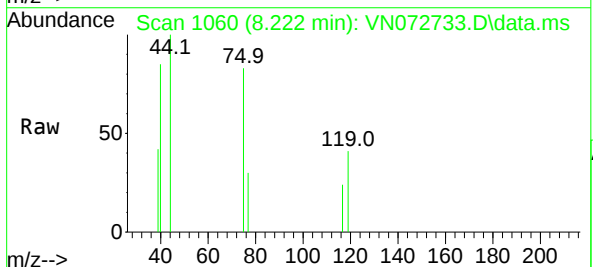
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

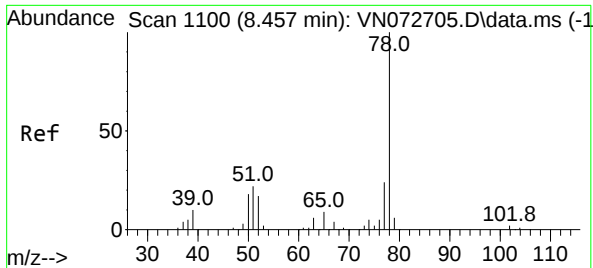
Tgt Ion:113 Resp: 143039
Ion Ratio Lower Upper
113 100
111 101.5 81.4 122.0
192 14.8 17.0 25.6#



#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

Tgt Ion: 75 Resp: 957
Ion Ratio Lower Upper
75 100
110 0.0 18.3 54.8#
77 6.6 25.1 37.7#

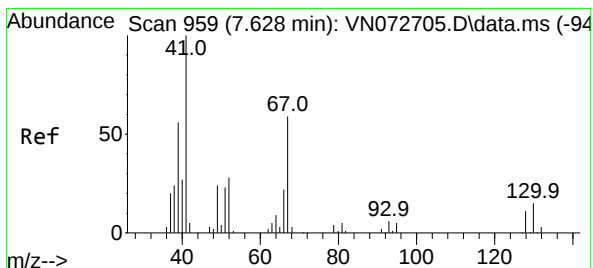
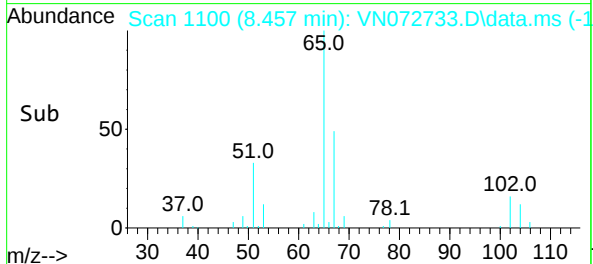
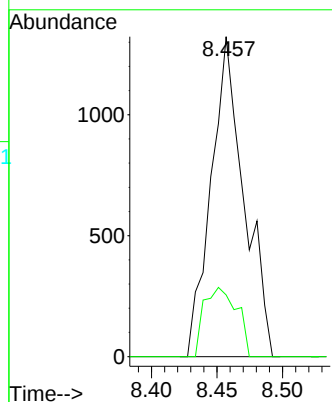
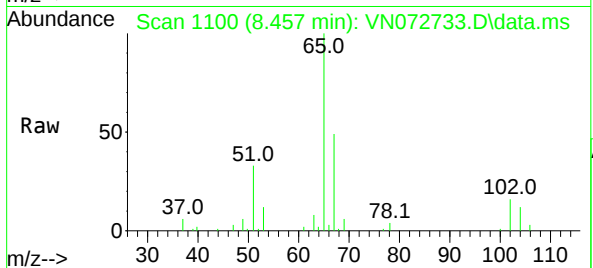




#40
Benzene
Concen: 0.205 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

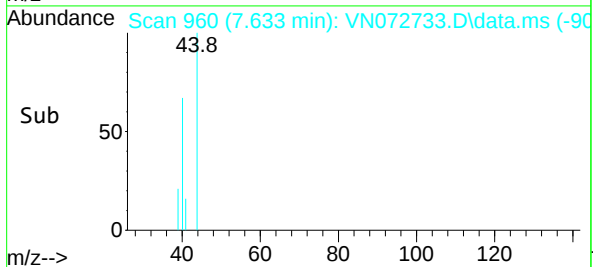
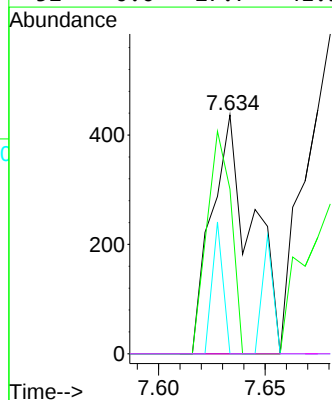
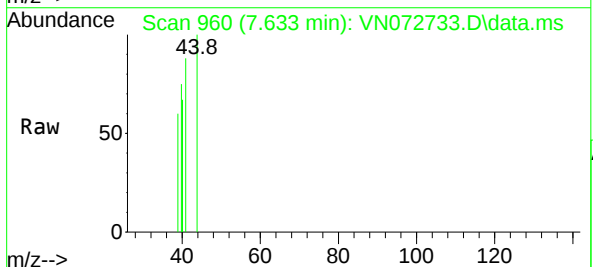
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

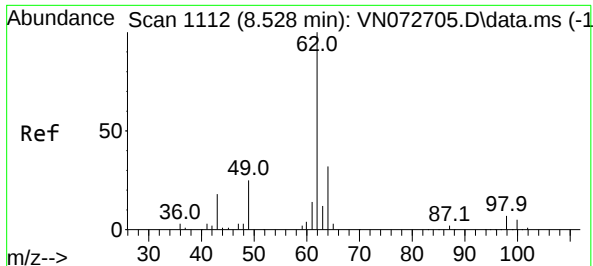
Tgt Ion: 78 Resp: 2320
Ion Ratio Lower Upper
78 100
77 19.3 19.4 29.0#



#41
Methacrylonitrile
Concen: 0.293 ug/l
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: 574
Ion Ratio Lower Upper
41 100
39 56.1 48.6 73.0
67 14.8 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 :

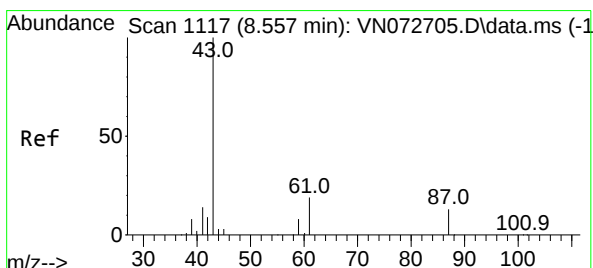
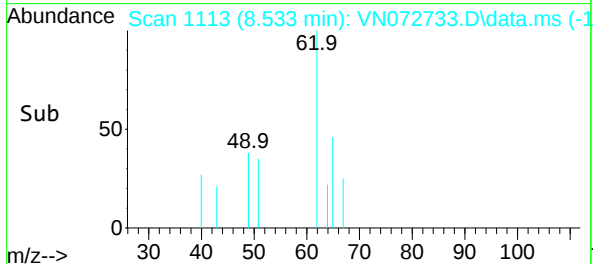
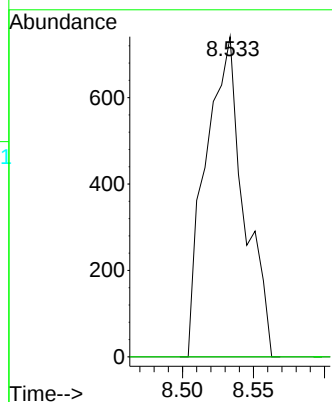
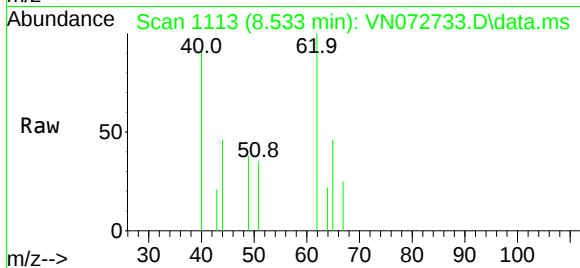
MDL-WATER-03-QT2-2022

Tgt Ion: 62 Resp: 1380

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.4



#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

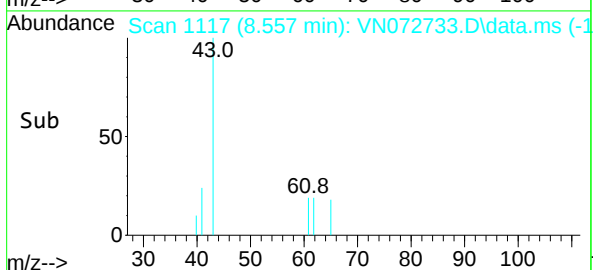
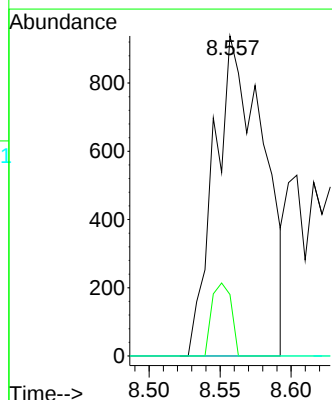
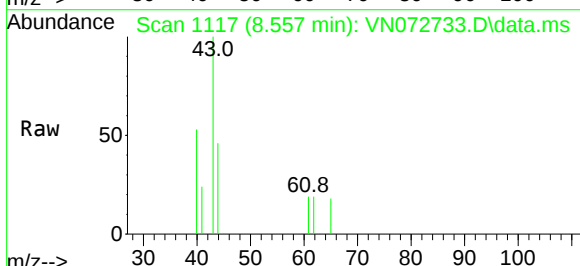
Tgt Ion: 43 Resp: 2255

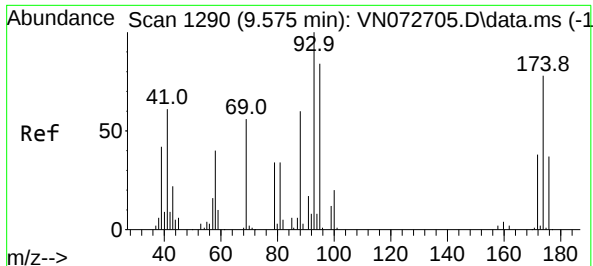
Ion Ratio Lower Upper

43 100

61 9.0 21.9 32.9#

87 0.0 12.0 18.0#

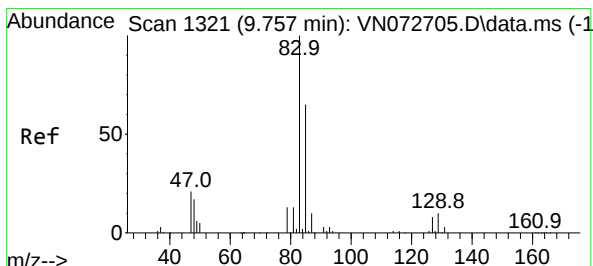
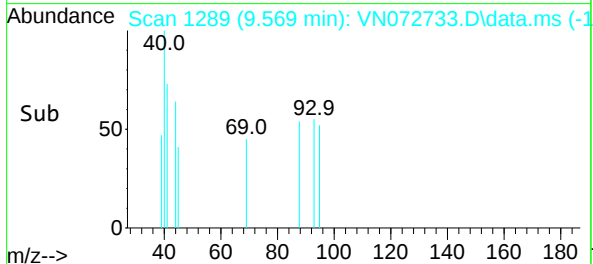
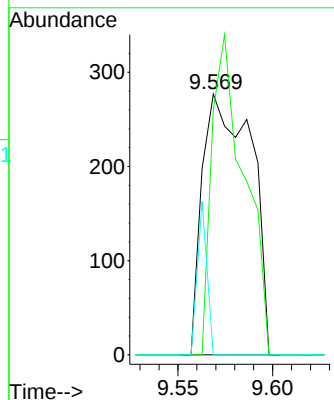
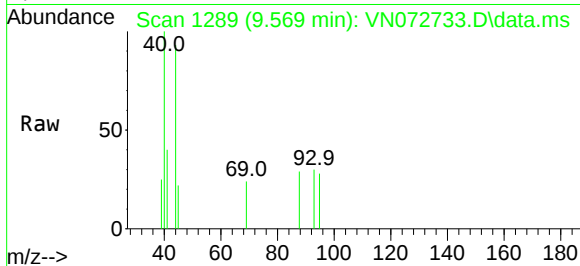




#46
Dibromomethane
Concen: 0.231 ug/l
RT: 9.569 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

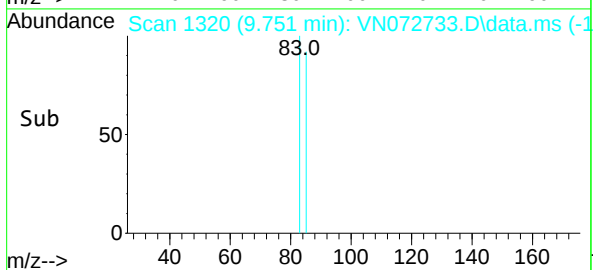
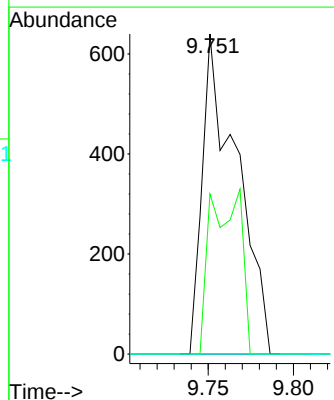
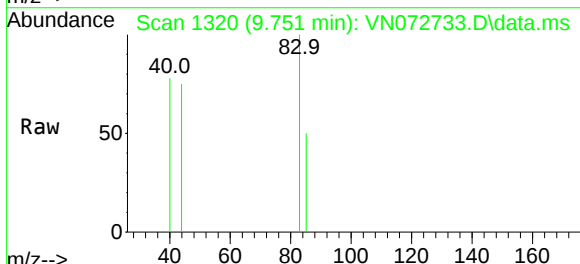
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

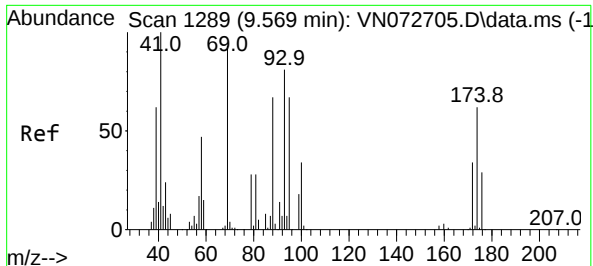
Tgt Ion: 93 Resp: 495
Ion Ratio Lower Upper
93 100
95 81.8 66.9 100.3
174 11.5 86.6 130.0#



#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

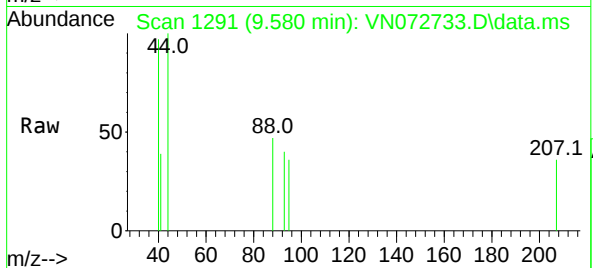
Acq: 09 Jun 2022 16:16

Instrument :

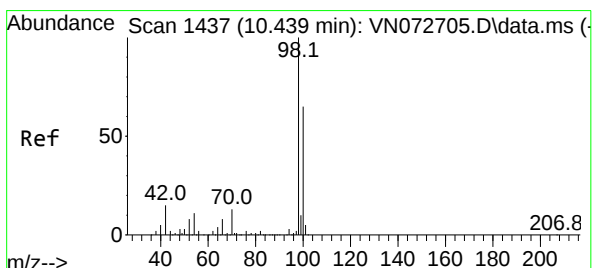
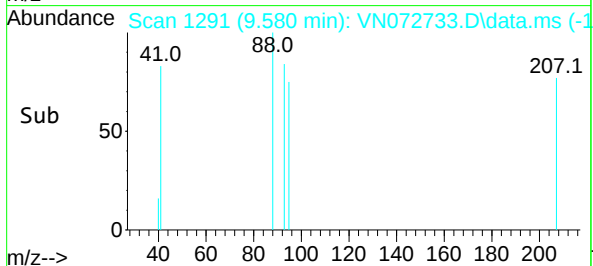
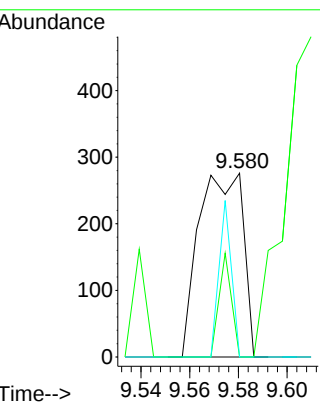
MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2022



Tgt Ion:	88	Resp:	347
Ion	Ratio	Lower	Upper
88	100		
43	0.0	20.2	30.4#
58	23.9	54.2	81.4#



#50

Toluene-d8

Concen: 50.636 ug/l

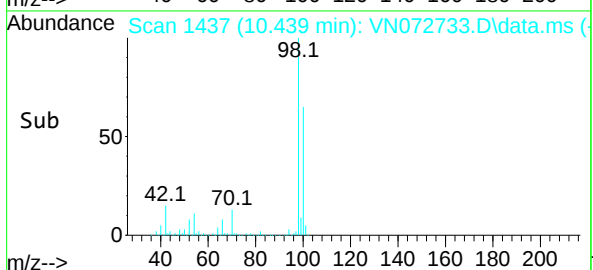
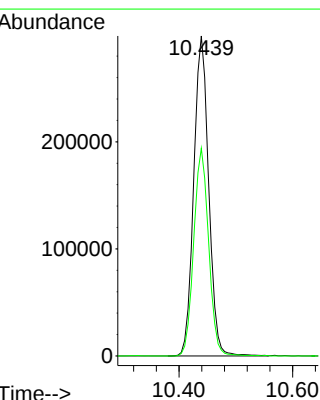
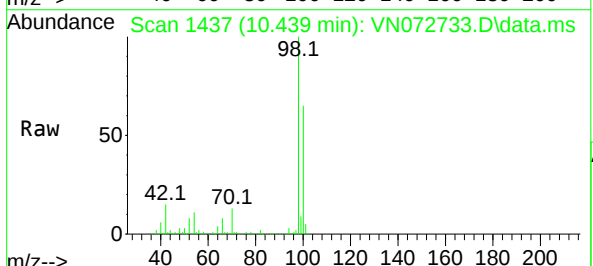
RT: 10.439 min Scan# 1437

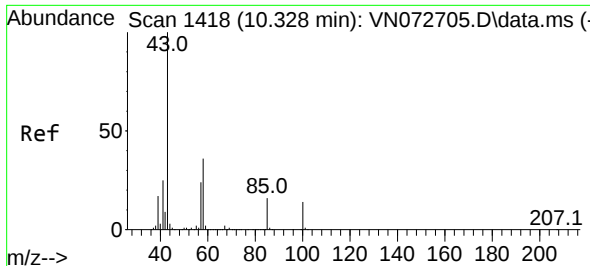
Delta R.T. 0.000 min

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 :

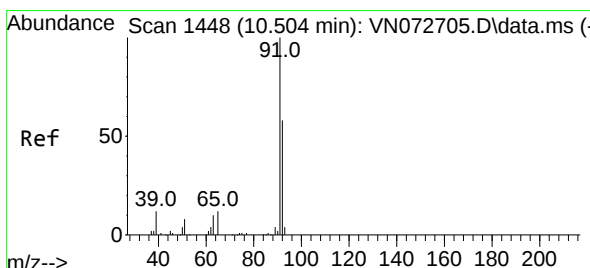
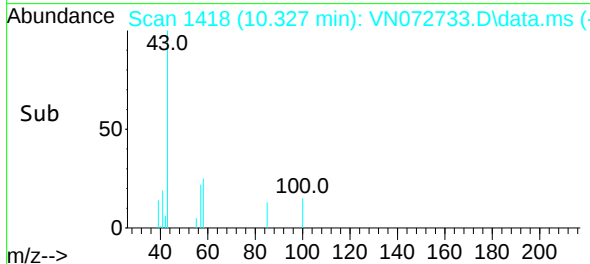
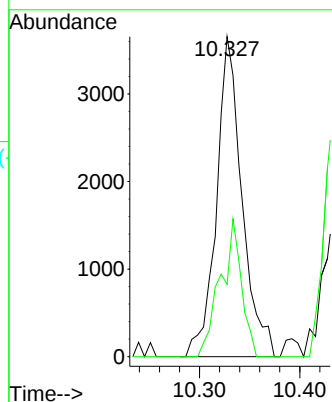
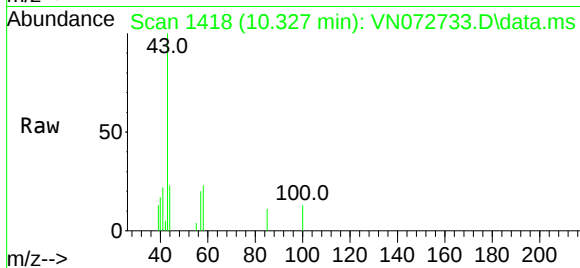
MDL-WATER-03-QT2-2022

Tgt Ion: 43 Resp: 6447

Ion Ratio Lower Upper

43 100

58 35.5 34.1 51.1



#52

Toluene

Concen: 0.214 ug/l

RT: 10.504 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN072733.D

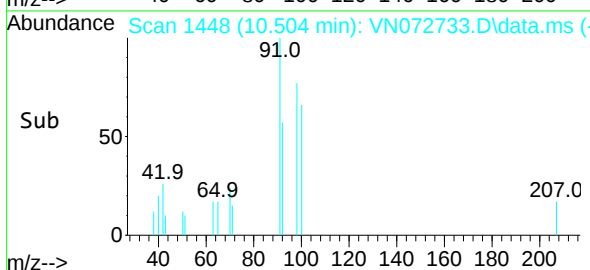
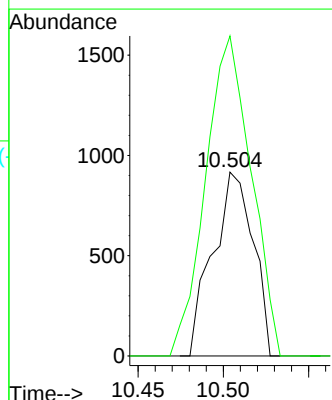
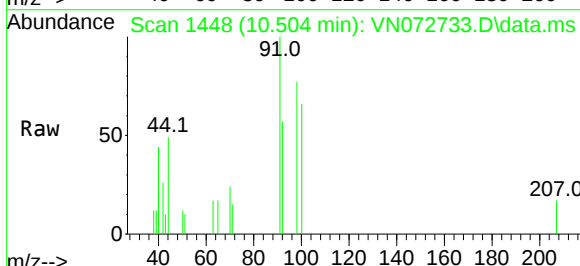
Acq: 09 Jun 2022 16:16

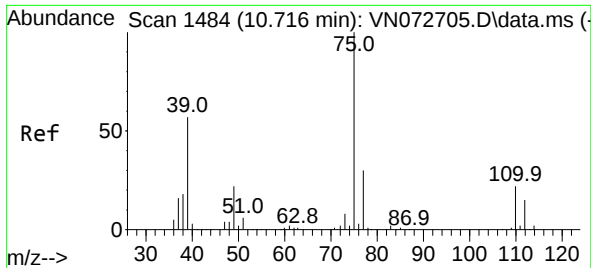
Tgt Ion: 92 Resp: 1513

Ion Ratio Lower Upper

92 100

91 196.3 138.6 207.8

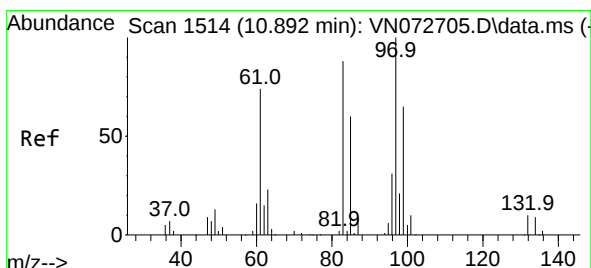
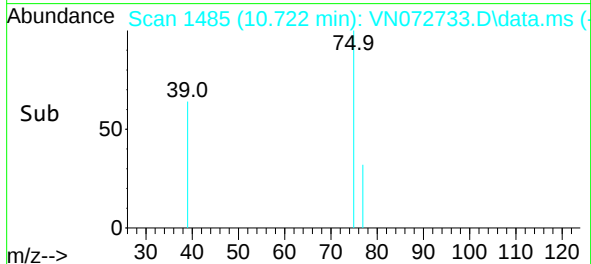
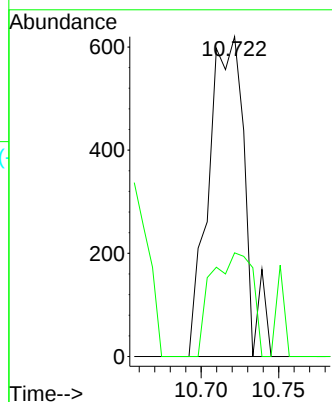
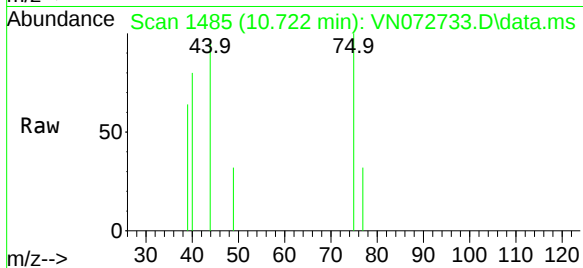




#53
t-1,3-Dichloropropene
Concen: 0.206 ug/l
RT: 10.722 min Scan# 1485
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

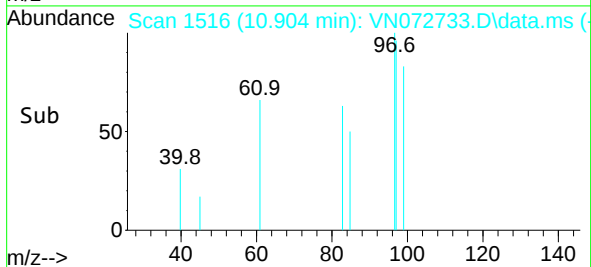
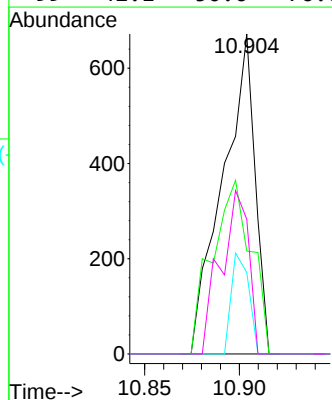
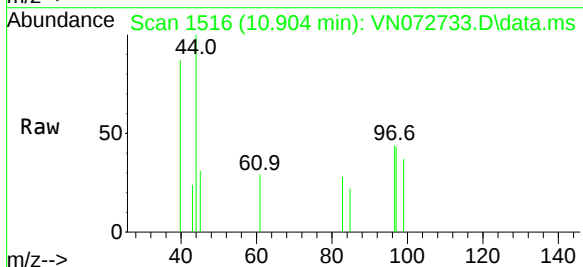
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

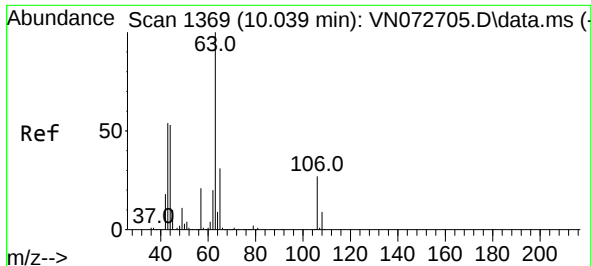
Tgt Ion: 75 Resp: 1006
Ion Ratio Lower Upper
75 100
77 32.4 25.6 38.4



#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#

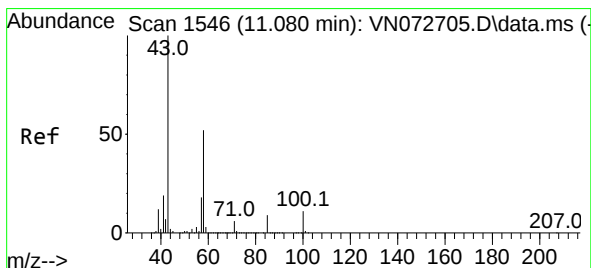
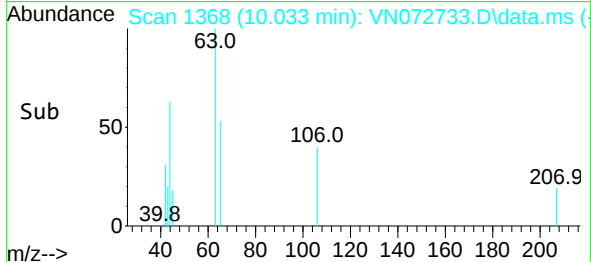
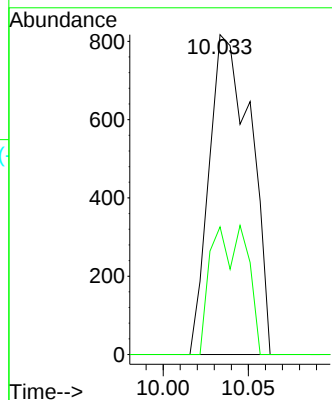
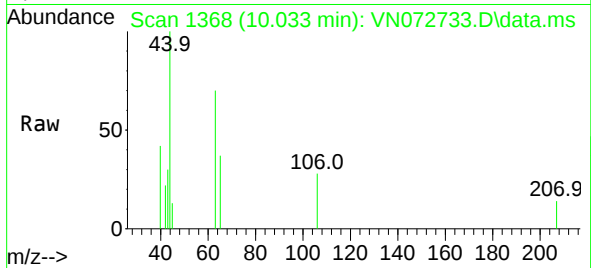




#58
2-Chloroethyl Vinyl ether
Concen: 0.643 ug/l
RT: 10.033 min Scan# 1369
Delta R.T. -0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

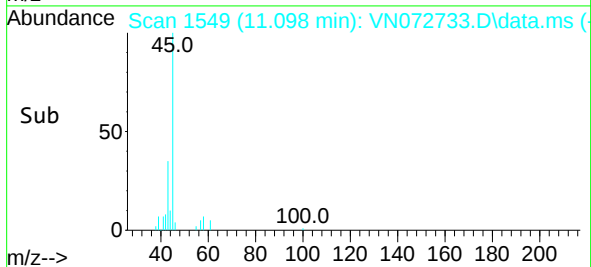
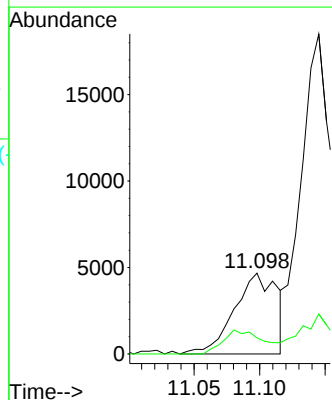
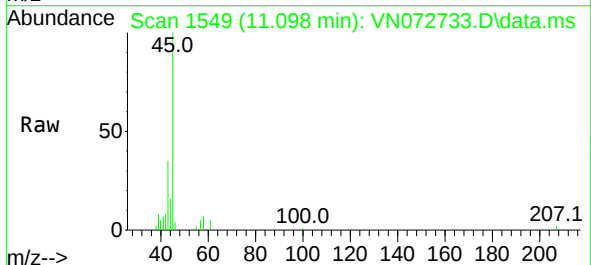
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

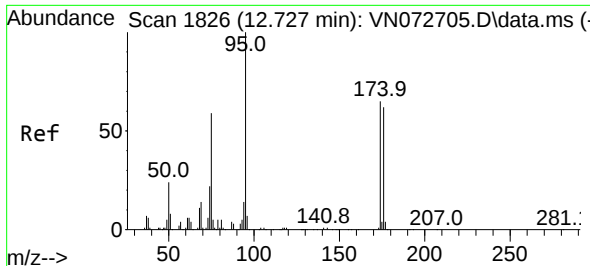
Tgt Ion: 63 Resp: 1384
Ion Ratio Lower Upper
63 100
106 35.0 24.6 36.8



#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#

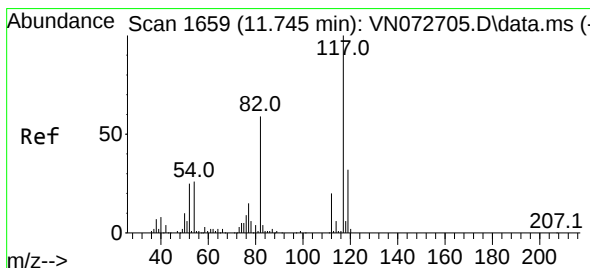
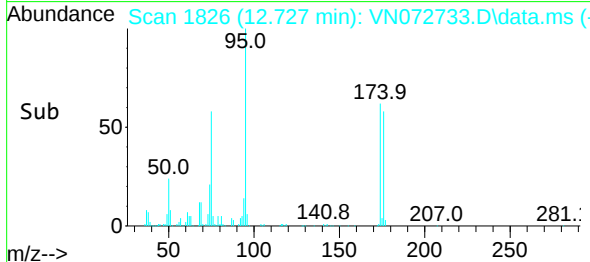
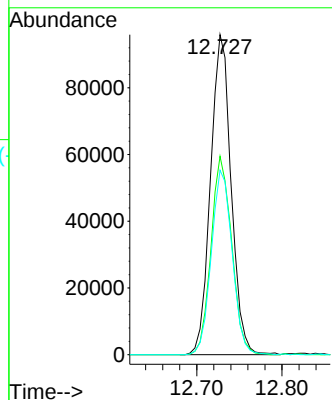
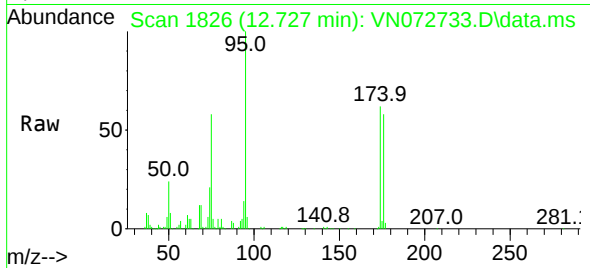




#62
4-Bromofluorobenzene
Concen: 43.714 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

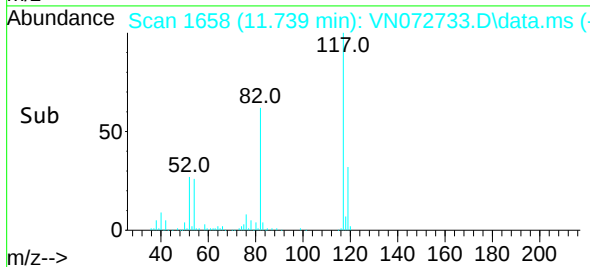
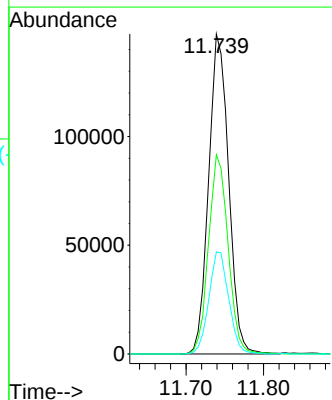
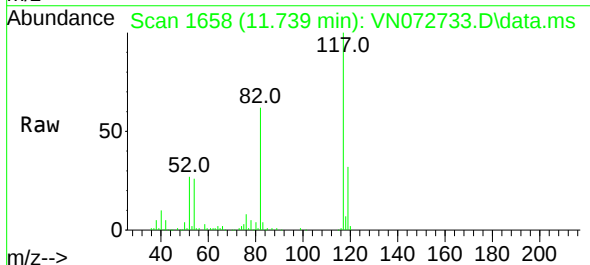
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

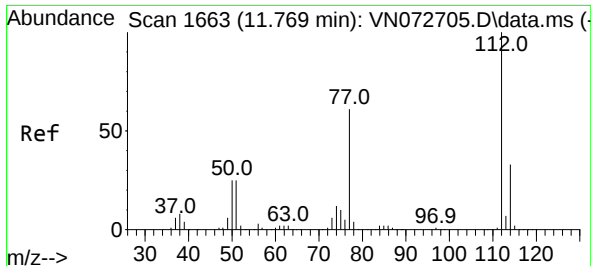
Tgt Ion: 95 Resp: 161029
Ion Ratio Lower Upper
95 100
174 62.1 0.0 167.6
176 58.4 0.0 163.4



#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

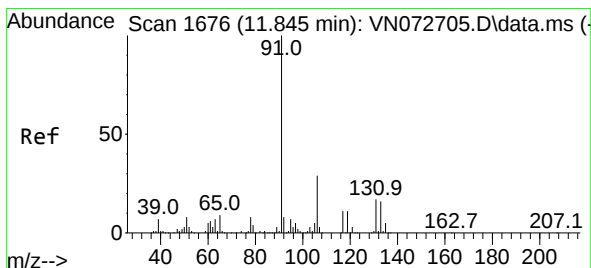
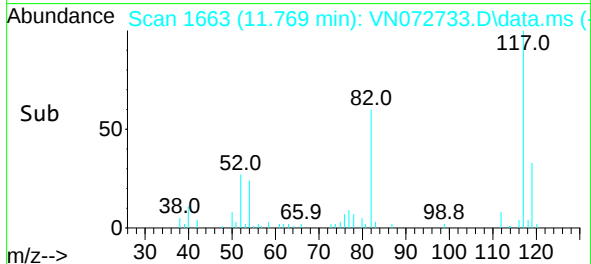
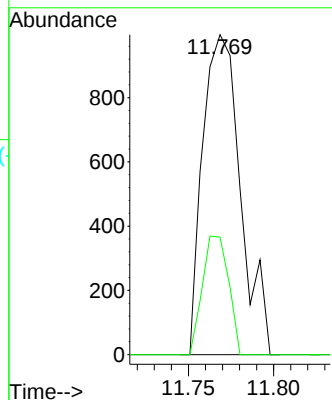
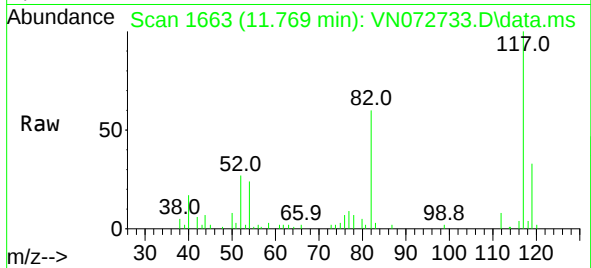




#65
Chlorobenzene
Concen: 0.219 ug/l
RT: 11.769 min Scan# 1663
Delta R.T. -0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

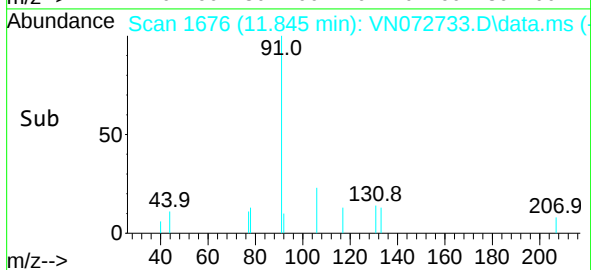
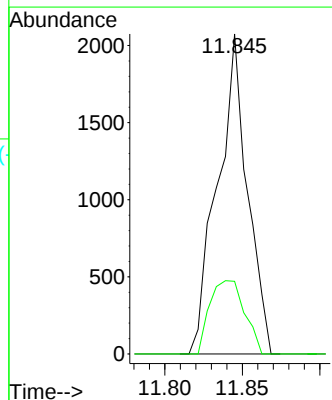
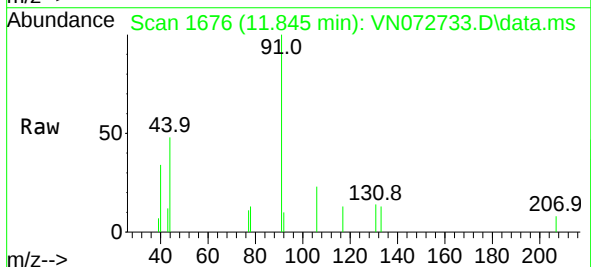
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

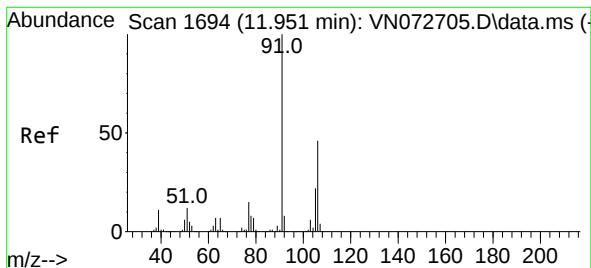
Tgt Ion:112 Resp: 1538
Ion Ratio Lower Upper
112 100
114 36.7 25.4 38.2



#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# 1

Delta R.T. 0.006 min

Lab File: VN072733.D

Acq: 09 Jun 2022 16:16

Instrument :

MSVOA_N

ClientSampleId :

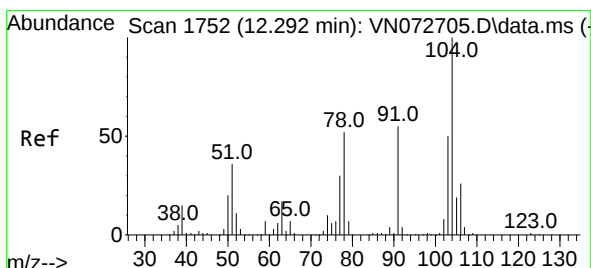
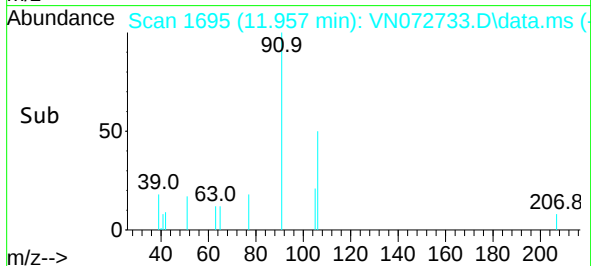
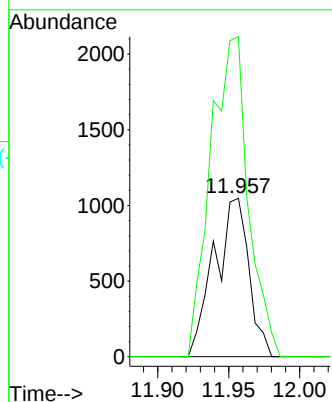
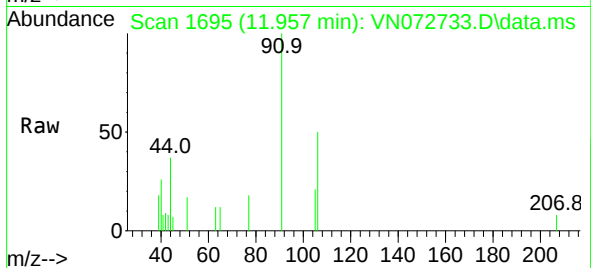
MDL-WATER-03-QT2-2022

Tgt Ion:106 Resp: 1769

Ion Ratio Lower Upper

106 100

91 220.8 158.9 238.3



#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

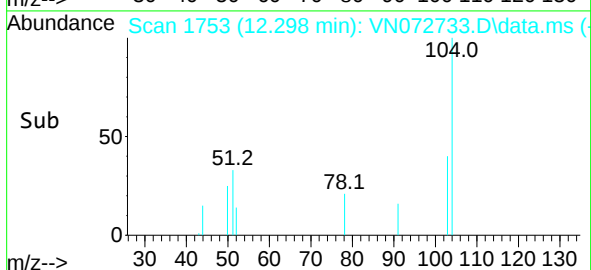
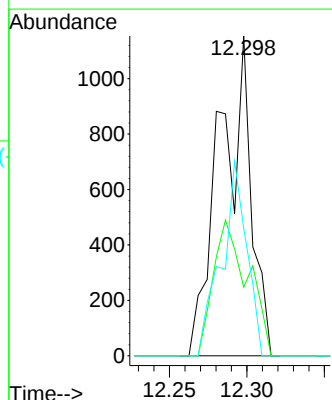
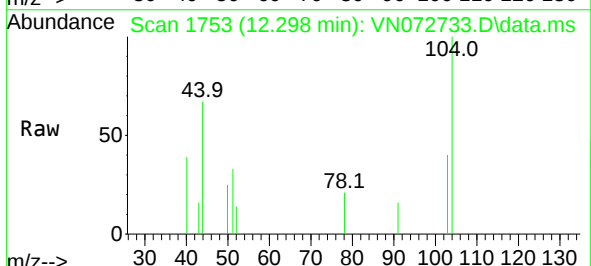
Tgt Ion:104 Resp: 1626

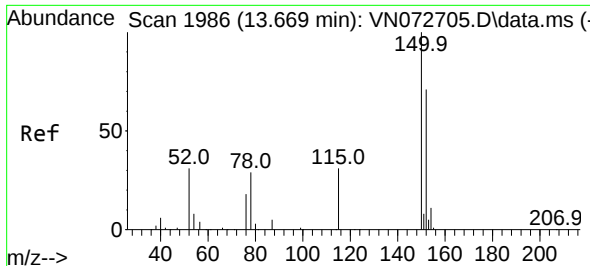
Ion Ratio Lower Upper

104 100

78 46.4 39.5 59.3

103 48.8 44.0 66.0

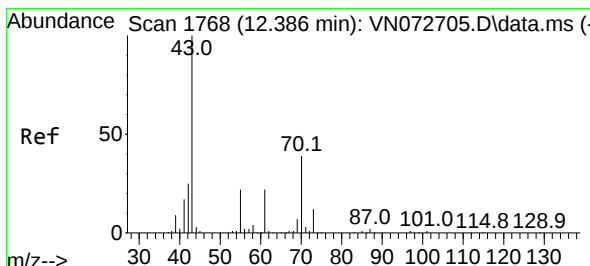
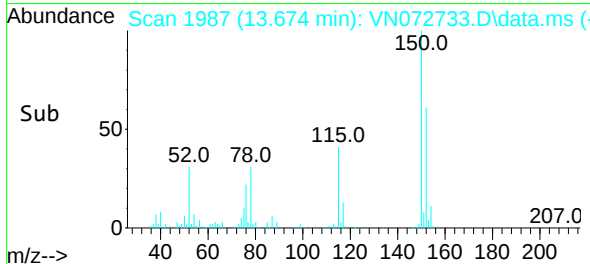
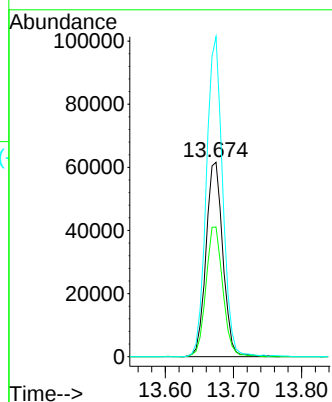
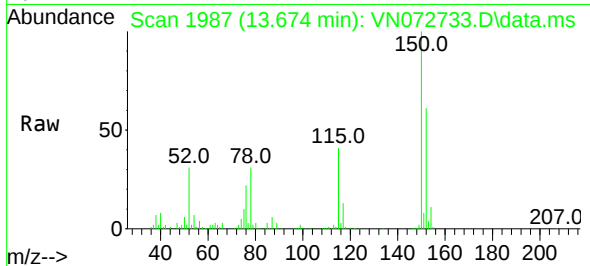




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.005 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

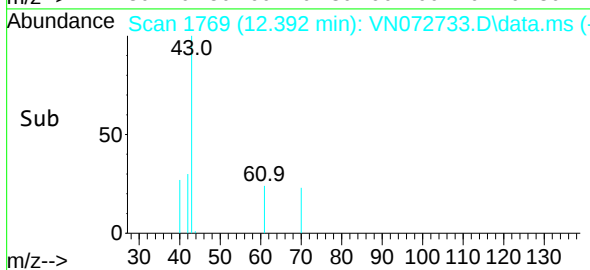
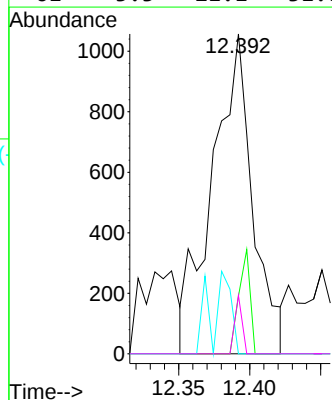
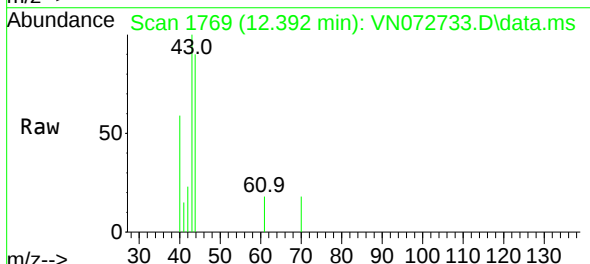
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

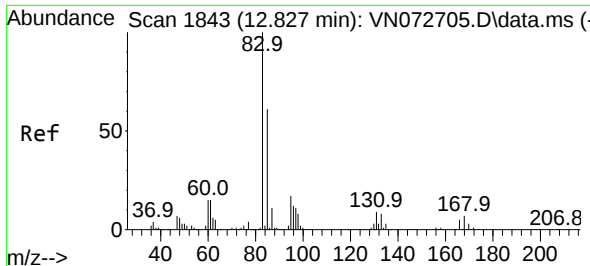
Tgt Ion:152 Resp: 106333
Ion Ratio Lower Upper
152 100
115 66.9 28.9 86.7
150 158.7 0.0 356.2



#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#

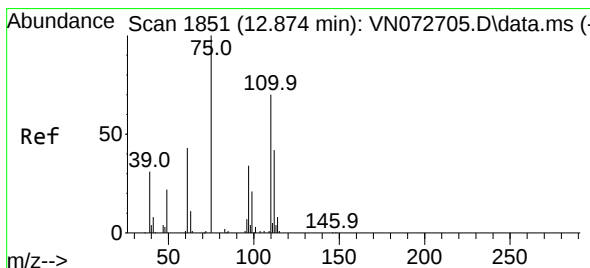
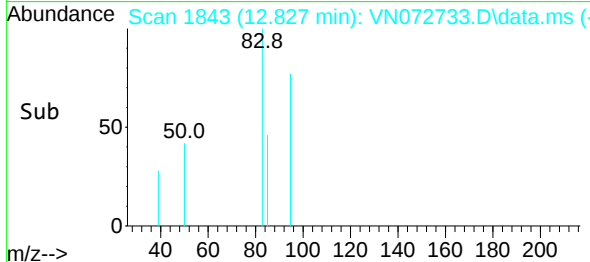
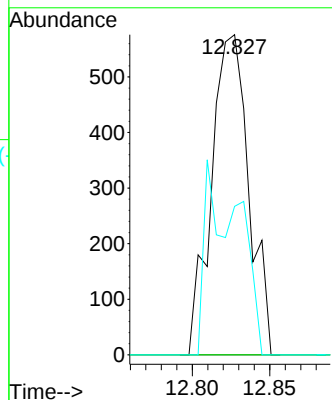
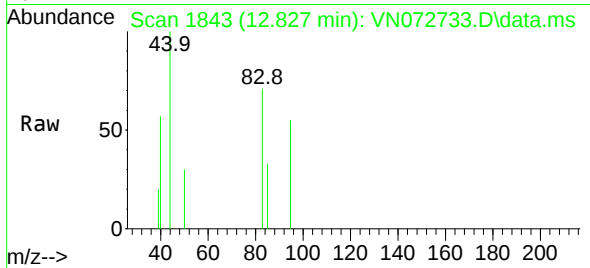




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.245 ug/l
 RT: 12.827 min Scan# 1843
 Delta R.T. 0.000 min
 Lab File: VN072733.D
 Acq: 09 Jun 2022 16:16

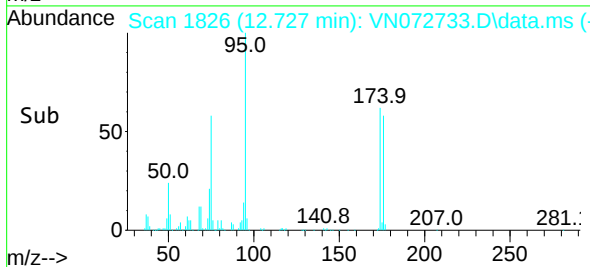
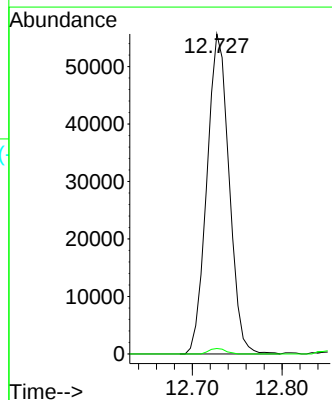
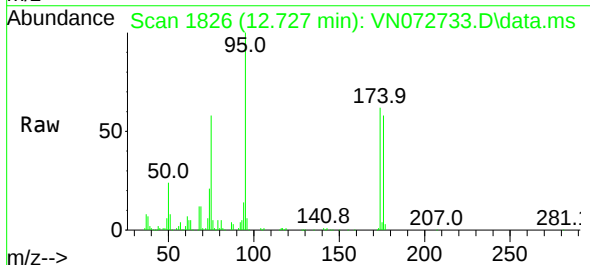
Instrument : MSVOA_N
 ClientSampleId : MDL-WATER-03-QT2-2022

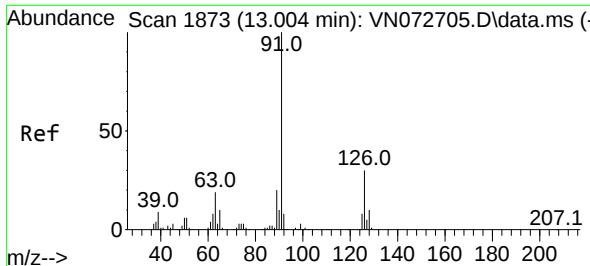
Tgt Ion: 83 Resp: 970
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.3 15.9#
 85 28.4 32.3 96.9#



#76
 1,2,3-Trichloropropane
 Concen: 27.868 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.147 min
 Lab File: VN072733.D
 Acq: 09 Jun 2022 16:16

Tgt Ion: 75 Resp: 95622
 Ion Ratio Lower Upper
 75 100
 77 1.3 98.5 295.5#

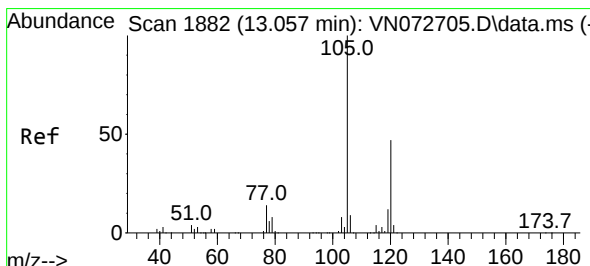
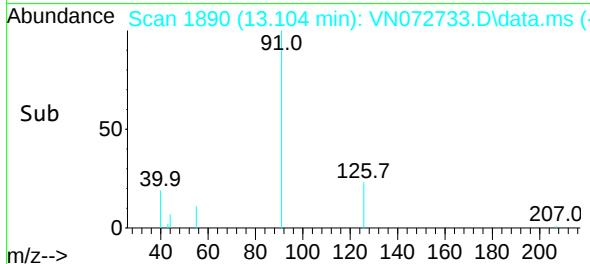
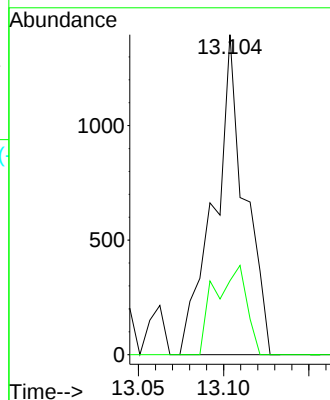
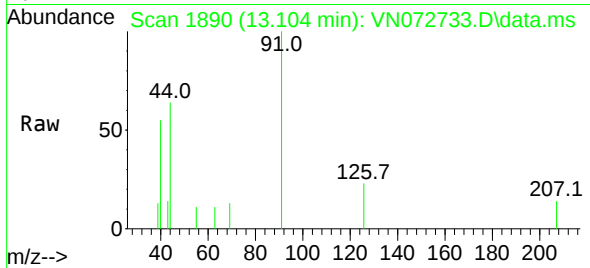




#79
2-Chlorotoluene
Concen: 0.224 ug/l
RT: 13.104 min Scan# 1890
Delta R.T. 0.100 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

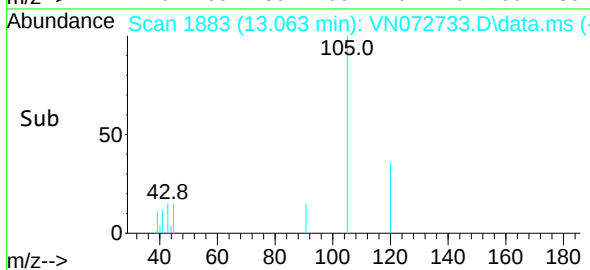
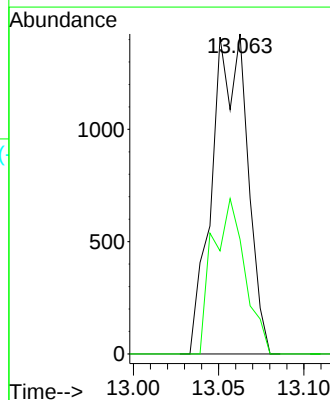
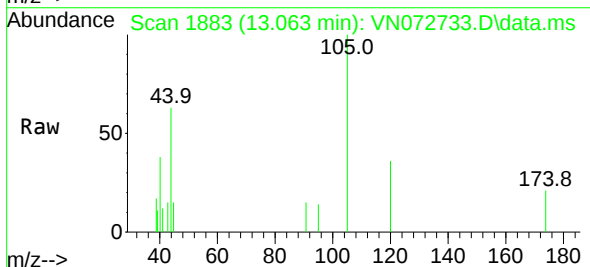
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

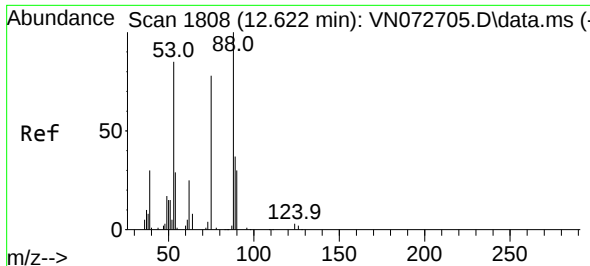
Tgt Ion: 91 Resp: 1748
Ion Ratio Lower Upper
91 100
126 28.9 17.3 51.9



#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

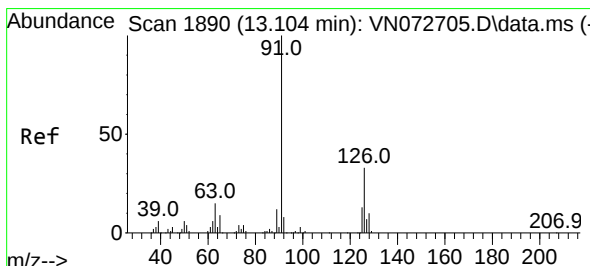
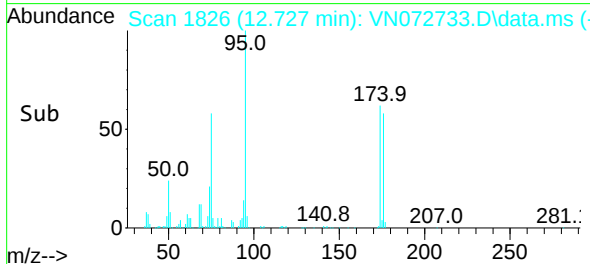
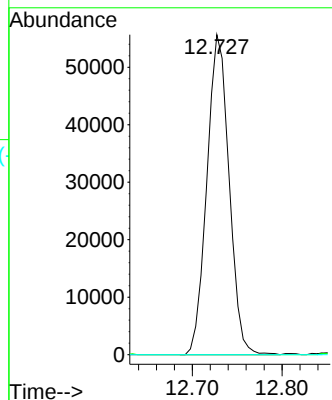
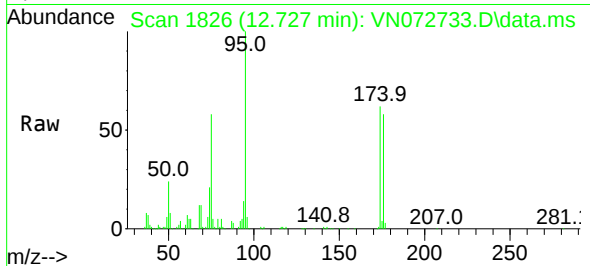




#81
trans-1,4-Dichloro-2-butene
Concen: 72.881 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

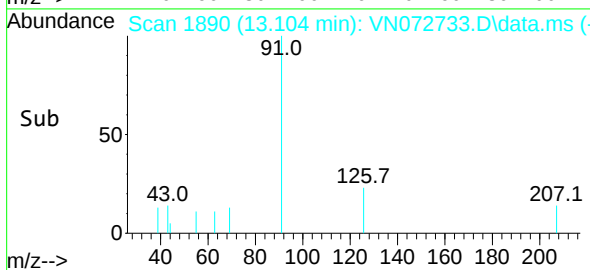
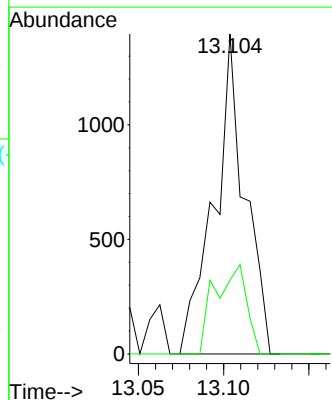
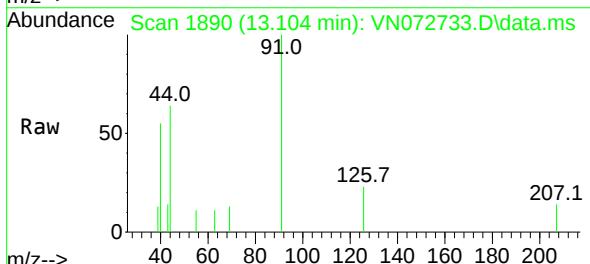
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

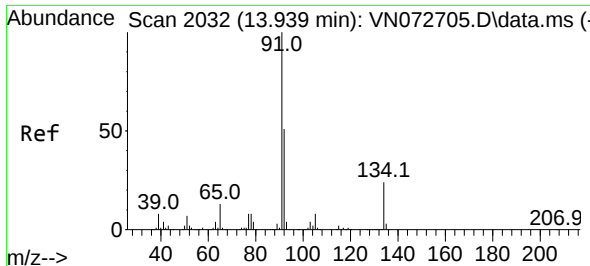
Tgt Ion: 75 Resp: 95622
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#82
4-Chlorotoluene
Concen: 0.242 ug/l
RT: 13.104 min Scan# 1890
Delta R.T. -0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

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

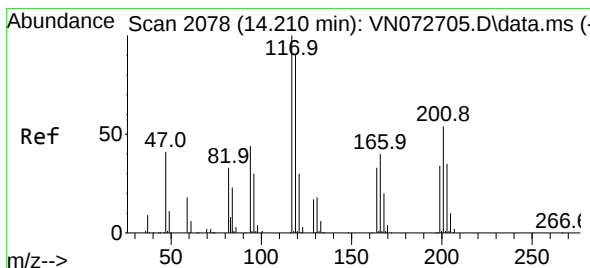
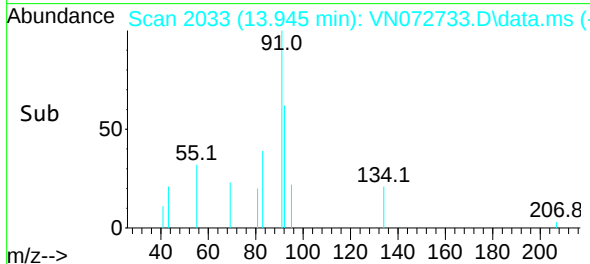
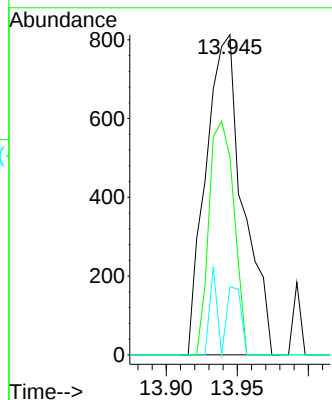
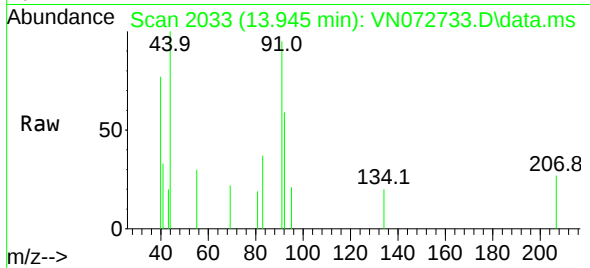




#89
n-Butylbenzene
Concen: 0.208 ug/l
RT: 13.945 min Scan# 2033
Delta R.T. 0.006 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

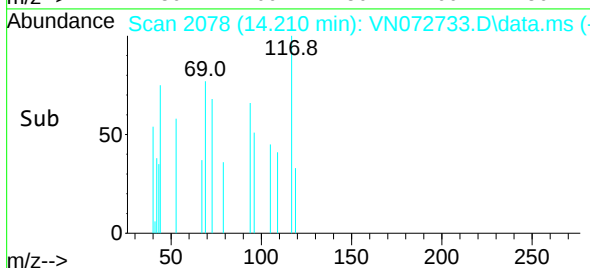
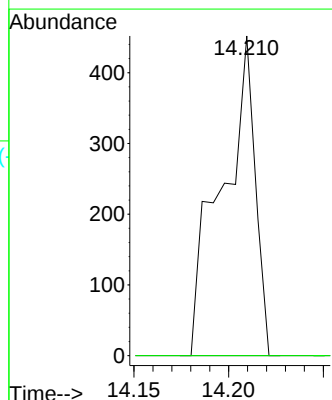
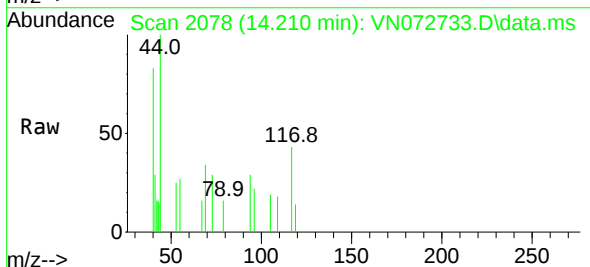
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2022

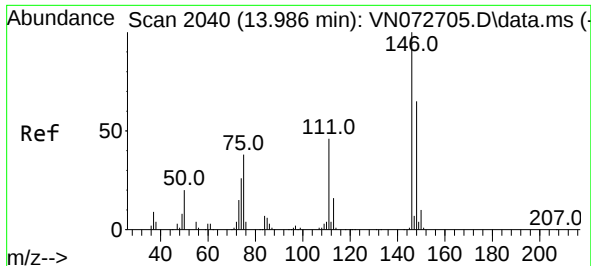
Tgt Ion: 91 Resp: 1480
Ion Ratio Lower Upper
91 100
92 49.1 26.9 80.7
134 8.1 13.6 40.8#



#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#

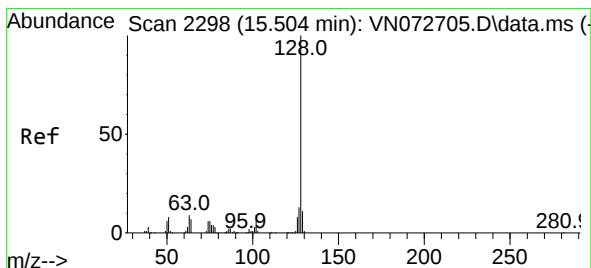
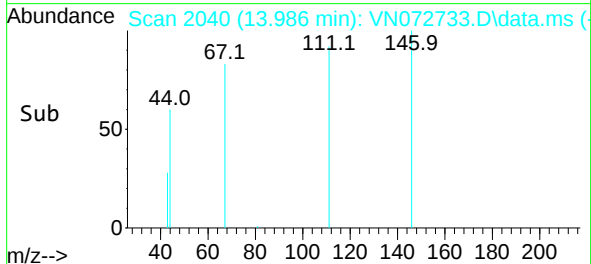
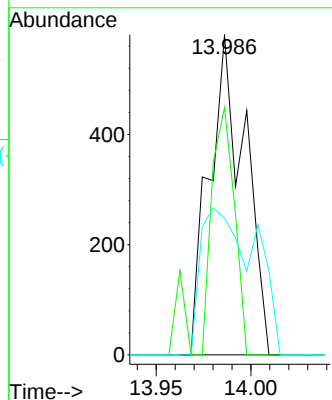
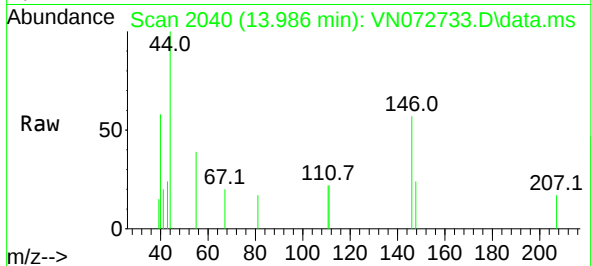




#91
1,2-Dichlorobenzene
Concen: 0.204 ug/l
RT: 13.986 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VN072733.D
Acq: 09 Jun 2022 16:16

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



#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#

