

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062122\
 Data File : VN073003.D
 Acq On : 22 Jun 2022 04:53
 Operator : JC\MD
 Sample : N3381-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-26I

Quant Time: Jun 22 07:04:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

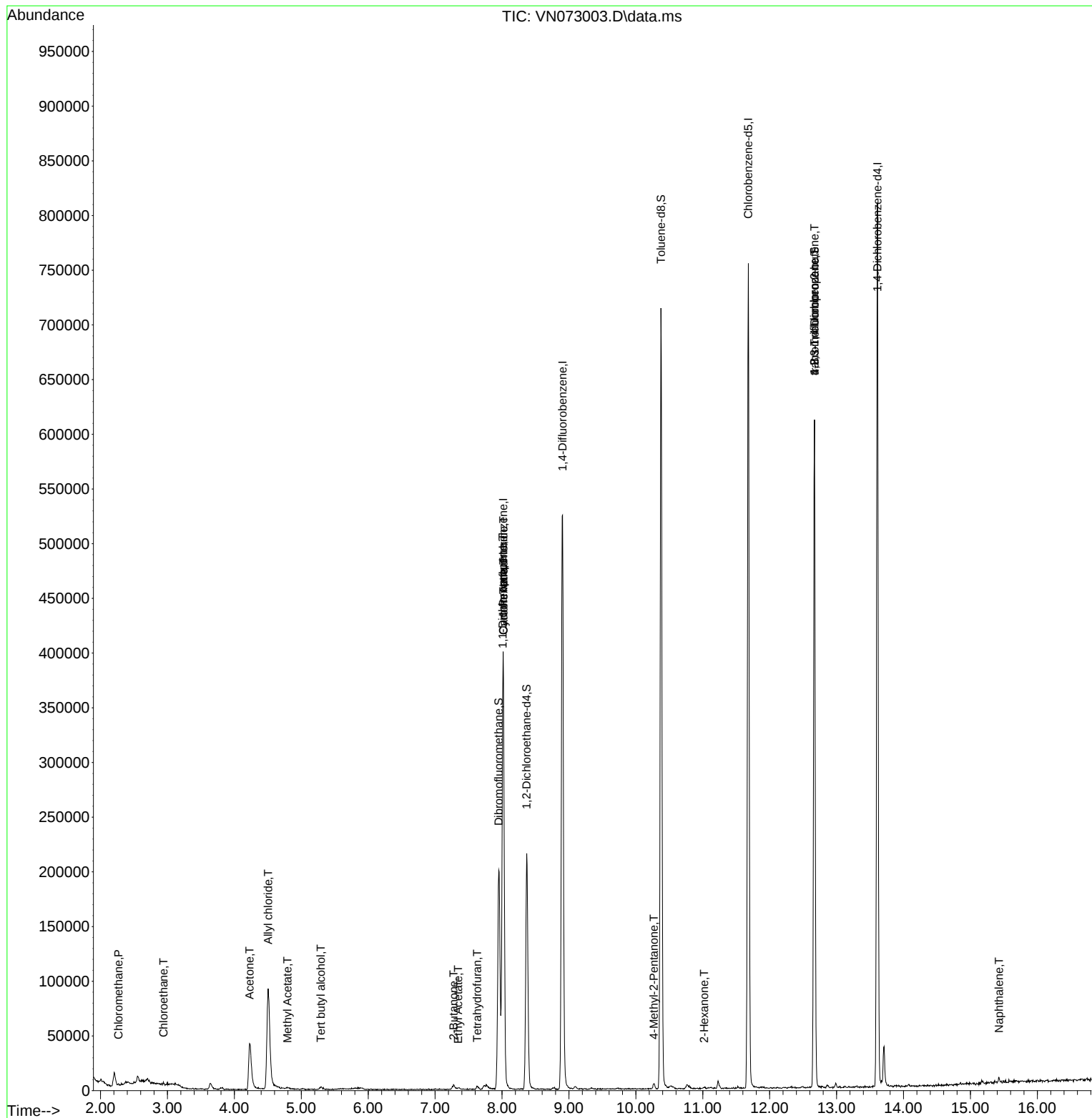
Internal Standards						
1) Pentafluorobenzene	8.016	168	299922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	475071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	431075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	211787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	176348	43.490	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.980%
35) Dibromofluoromethane	7.951	113	152820	52.044	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.080%
50) Toluene-d8	10.375	98	487373	44.606	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.220%
62) 4-Bromofluorobenzene	12.669	95	209030	53.203	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	426	0.706	ug/l #	69
6) Chloroethane	2.940	64	1481	0.924	ug/l #	60
11) Tert butyl alcohol	5.293	59	3765	3.595	ug/l #	85
14) Allyl chloride	4.504	41	14279	2.327	ug/l #	65
16) Acetone	4.228	43	81792	36.696	ug/l	93
18) Methyl Acetate	4.793	43	2701	0.455	ug/l #	60
20) Methylene Chloride	5.022	84	208	Below Cal	#	10
25) 2-Butanone	7.275	43	7491	2.118	ug/l	94
29) Tetrahydrofuran	7.628	42	1886	0.807	ug/l #	85
31) Cyclohexane	8.022	56	7622	1.390	ug/l #	43
36) 1,1-Dichloropropene	8.010	75	24354	6.129	ug/l #	49
37) Ethyl Acetate	7.345	43	2662	0.419	ug/l #	76
38) Carbon Tetrachloride	8.022	117	31584	7.557	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	4142	0.699	ug/l #	81
59) 2-Hexanone	11.022	43	1185	0.259	ug/l #	43
76) 1,2,3-Trichloropropane	12.669	75	109120	21.251	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	109120	57.392	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.545	75	59	Below Cal	#	1
95) Naphthalene	15.427	128	3694	0.226	ug/l #	89

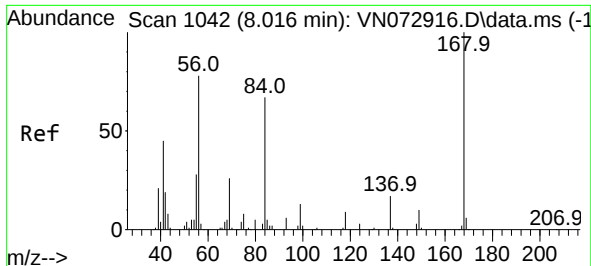
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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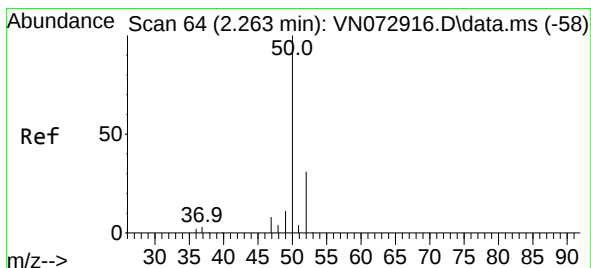
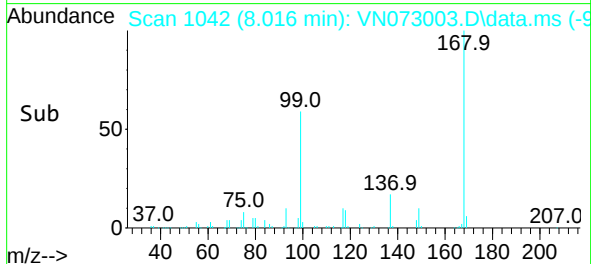
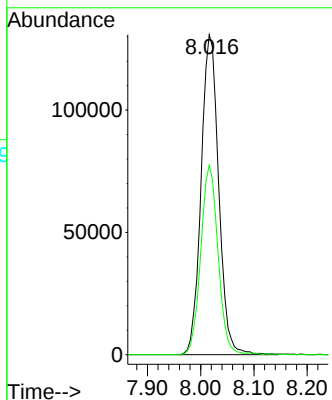
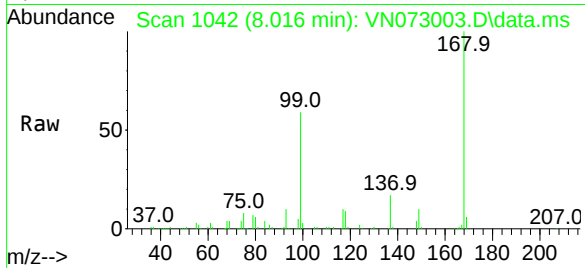




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

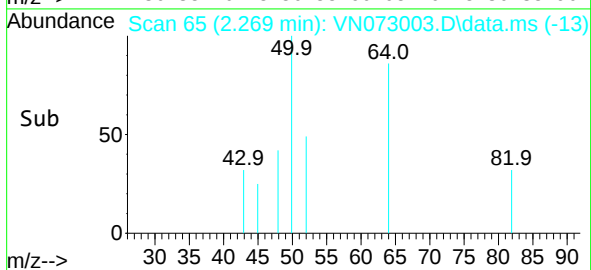
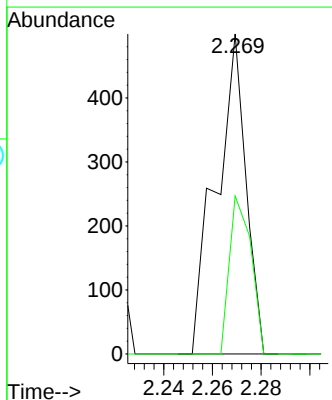
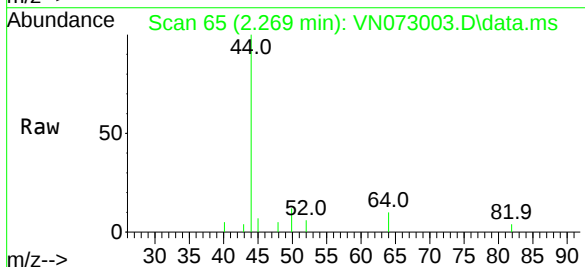
Instrument :
MSVOA_N
ClientSampleId :
MW-26I

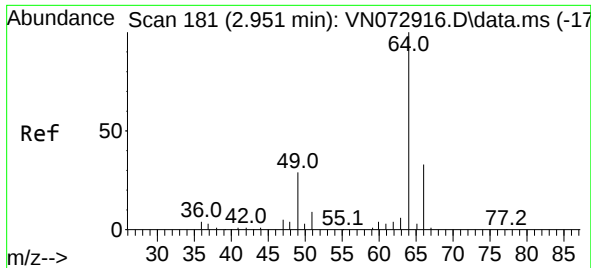
Tgt Ion:168 Resp: 299922
Ion Ratio Lower Upper
168 100
99 59.2 42.3 63.5



#3
Chloromethane
Concen: 0.706 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

Tgt Ion: 50 Resp: 426
Ion Ratio Lower Upper
50 100
52 49.4 25.7 38.5#

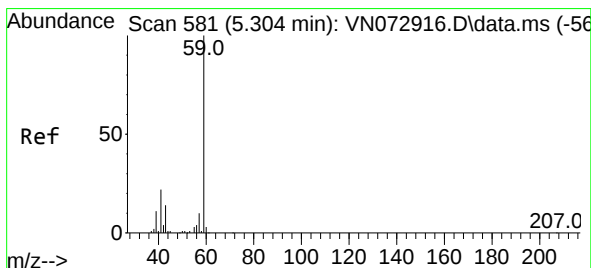
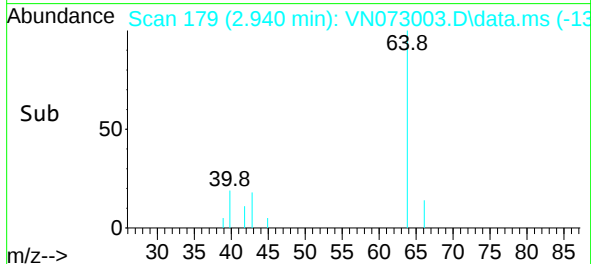
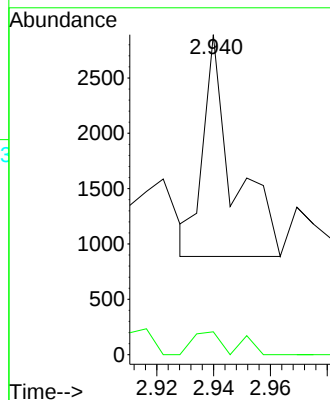
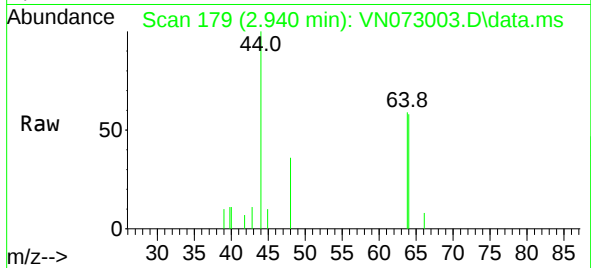




#6
Chloroethane
Concen: 0.924 ug/l
RT: 2.940 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

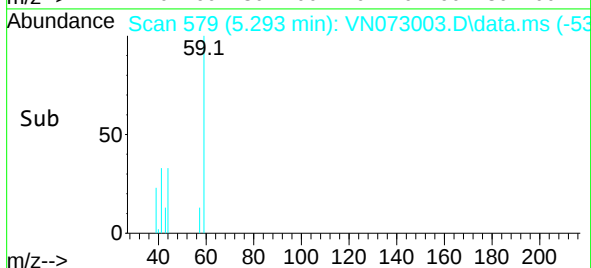
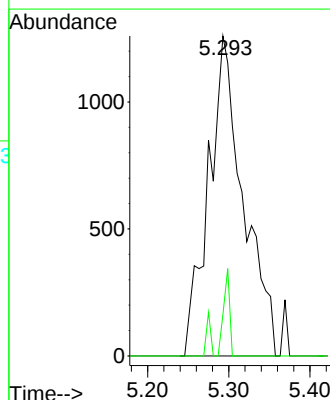
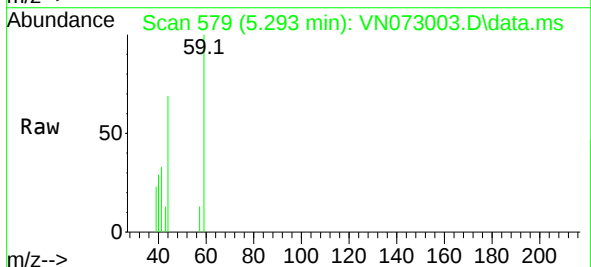
Instrument :
MSVOA_N
ClientSampleId :
MW-26I

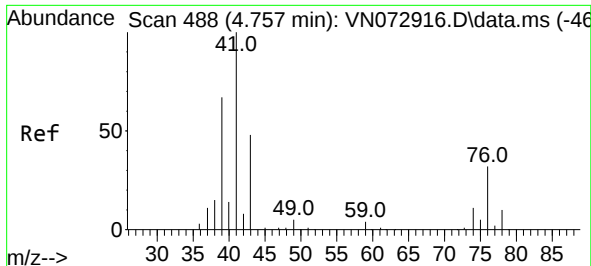
Tgt Ion: 64 Resp: 1481
Ion Ratio Lower Upper
64 100
66 10.3 26.2 39.4#



#11
Tert butyl alcohol
Concen: 3.595 ug/l
RT: 5.293 min Scan# 579
Delta R.T. -0.012 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

Tgt Ion: 59 Resp: 3765
Ion Ratio Lower Upper
59 100
57 4.8 8.3 12.5#

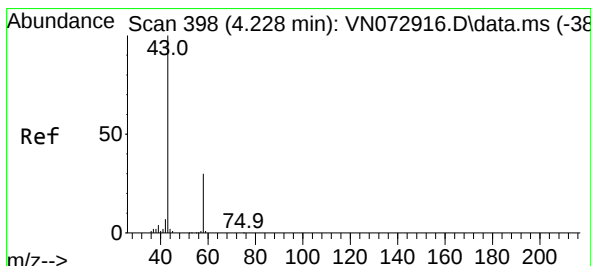
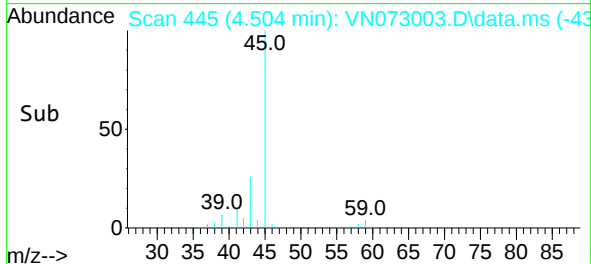
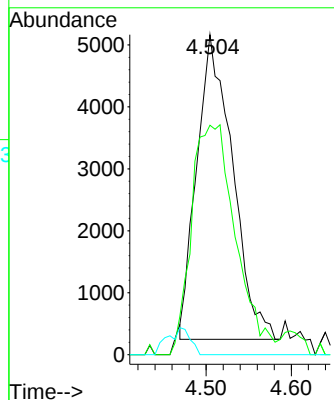
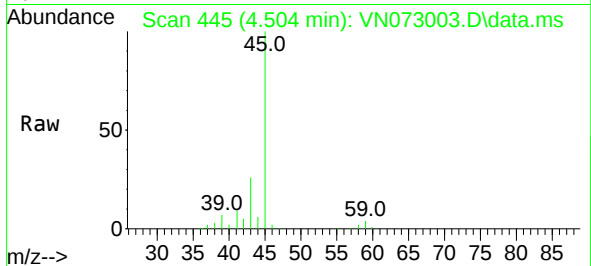




#14
 Allyl chloride
 Concen: 2.327 ug/l
 RT: 4.504 min Scan# 41
 Delta R.T. -0.253 min
 Lab File: VN073003.D
 Acq: 22 Jun 2022 04:53

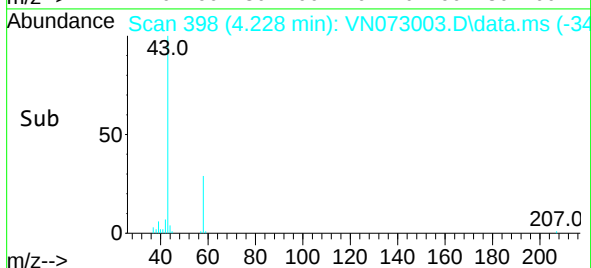
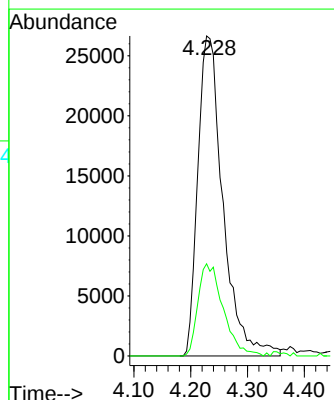
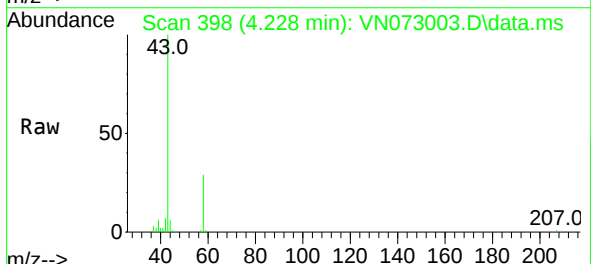
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-261

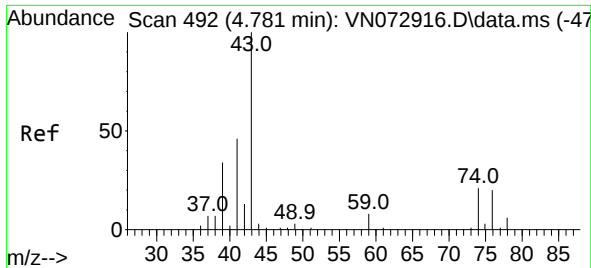
Tgt Ion: 41 Resp: 14279
 Ion Ratio Lower Upper
 41 100
 39 81.9 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 36.696 ug/l
 RT: 4.228 min Scan# 398
 Delta R.T. 0.000 min
 Lab File: VN073003.D
 Acq: 22 Jun 2022 04:53

Tgt Ion: 43 Resp: 81792
 Ion Ratio Lower Upper
 43 100
 58 28.8 26.0 39.0

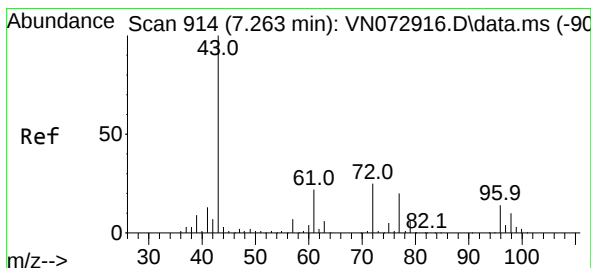
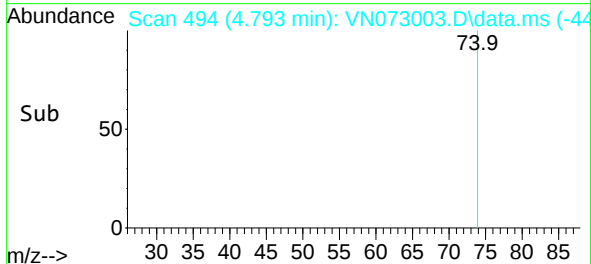
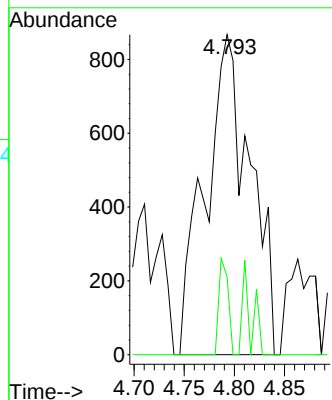
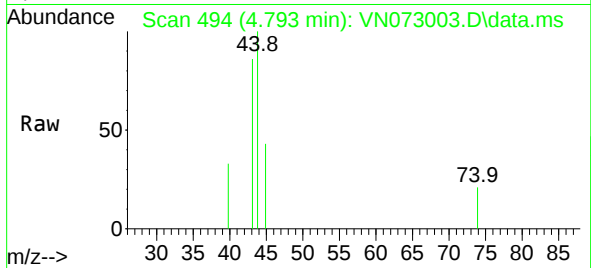




#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

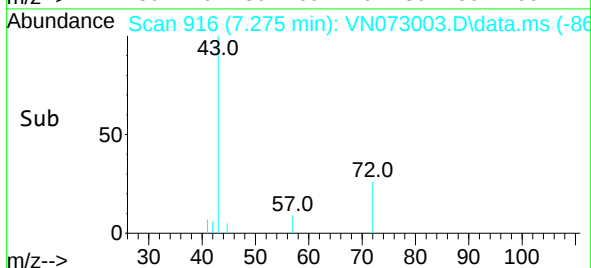
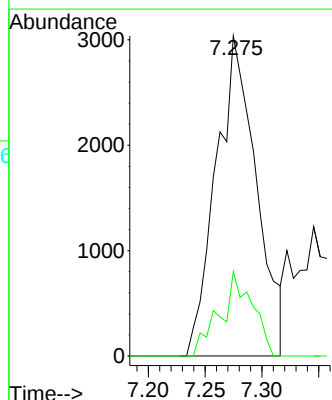
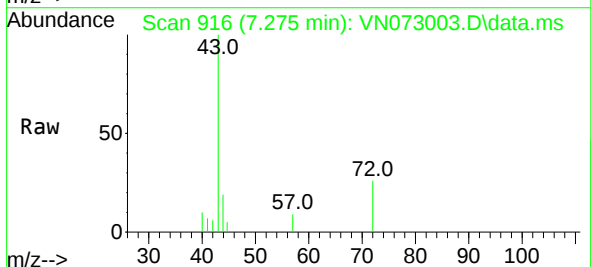
Instrument :
MSVOA_N
ClientSampleId :
MW-261

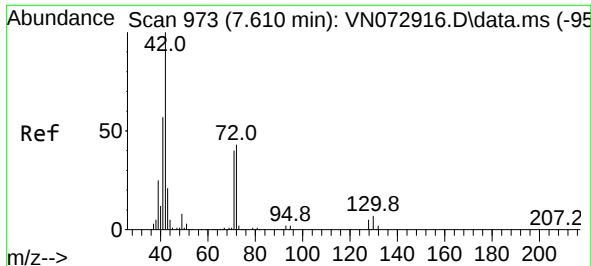
Tgt Ion: 43 Resp: 2701
Ion Ratio Lower Upper
43 100
74 6.2 21.6 32.4#



#25
2-Butanone
Concen: 2.118 ug/l
RT: 7.275 min Scan# 916
Delta R.T. 0.012 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

Tgt Ion: 43 Resp: 7491
Ion Ratio Lower Upper
43 100
72 26.3 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.807 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN073003.D

Acq: 22 Jun 2022 04:53

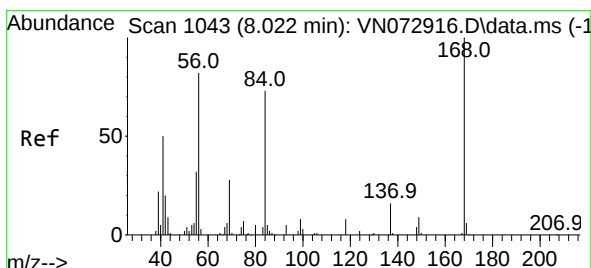
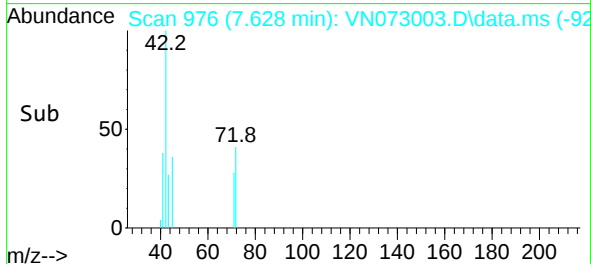
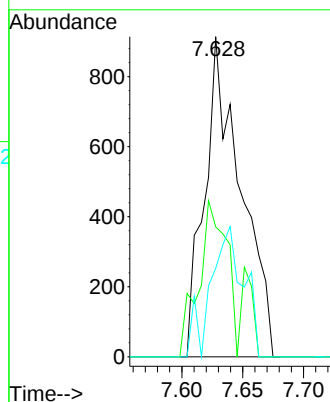
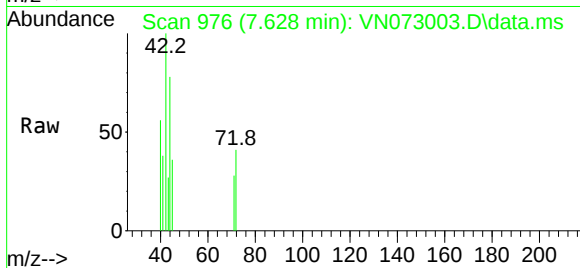
Instrument :

MSVOA_N

ClientSampleId :

MW-26I

Tgt Ion:	42	Resp:	1886
Ion	Ratio	Lower	Upper
42	100		
72	37.9	39.7	59.5#
71	37.0	36.6	55.0



#31

Cyclohexane

Concen: 1.390 ug/l

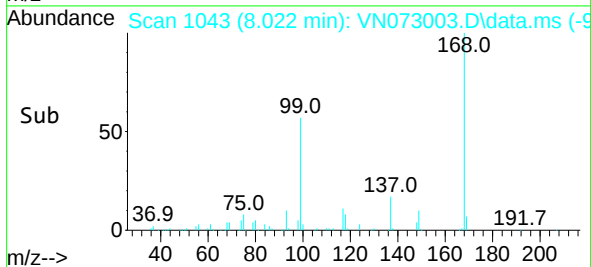
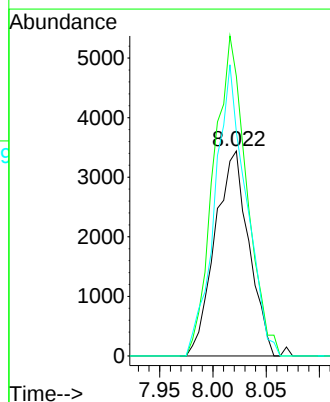
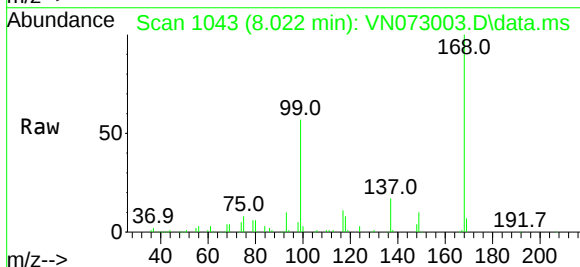
RT: 8.022 min Scan# 1043

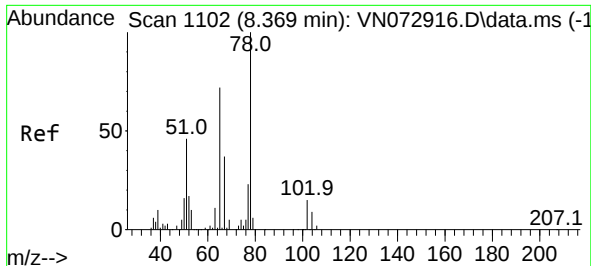
Delta R.T. 0.000 min

Lab File: VN073003.D

Acq: 22 Jun 2022 04:53

Tgt Ion:	56	Resp:	7622
Ion	Ratio	Lower	Upper
56	100		
69	136.4	27.8	41.8#
84	109.2	76.9	115.3

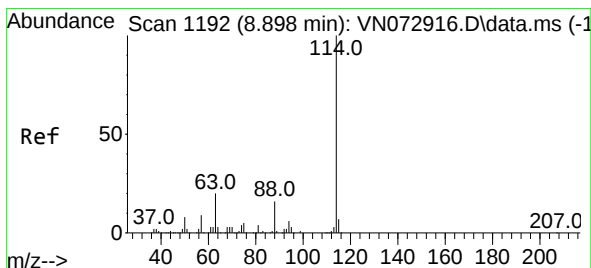
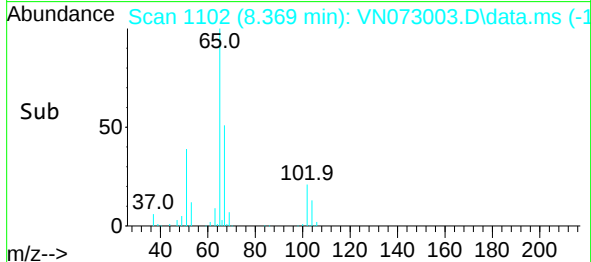
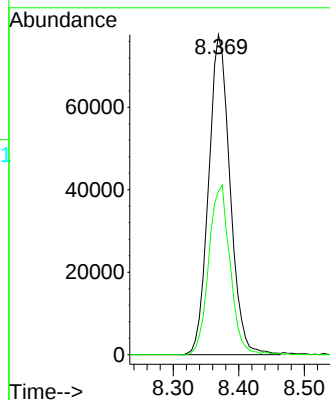
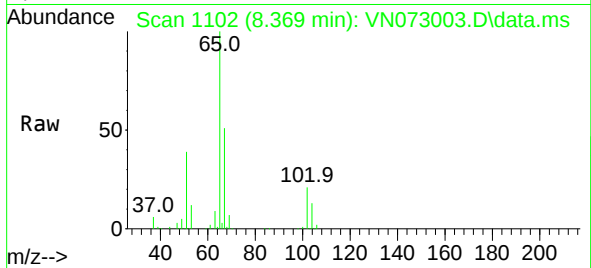




#33
 1,2-Dichloroethane-d4
 Concen: 43.490 ug/l
 RT: 8.369 min Scan# 1102
 Delta R.T. 0.000 min
 Lab File: VN073003.D
 Acq: 22 Jun 2022 04:53

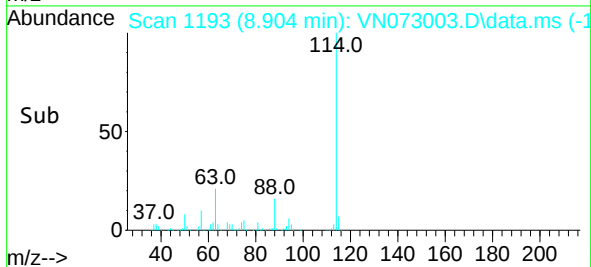
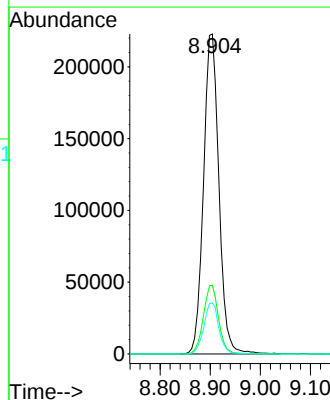
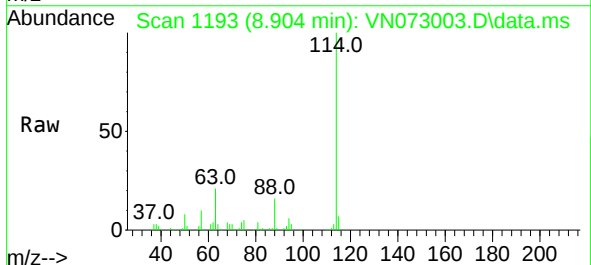
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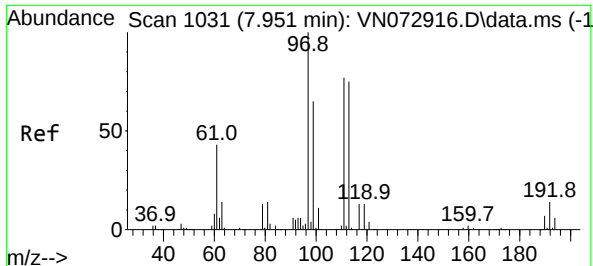
Tgt Ion: 65 Resp: 176348
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. 0.006 min
 Lab File: VN073003.D
 Acq: 22 Jun 2022 04:53

Tgt Ion: 114 Resp: 475071
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 40.0
 88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.044 ug/l

RT: 7.951 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073003.D

Acq: 22 Jun 2022 04:53

Instrument :

MSVOA_N

ClientSampleId :

MW-26I

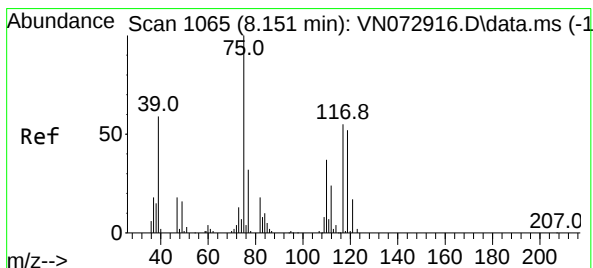
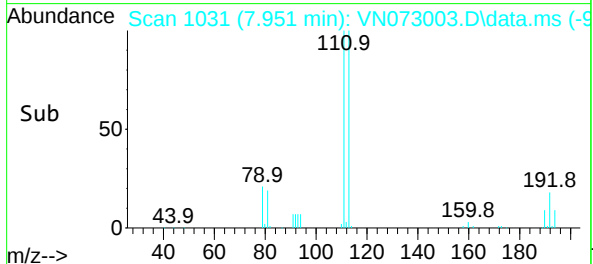
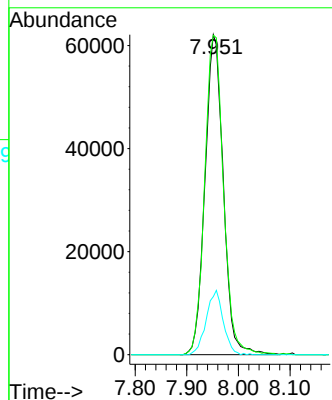
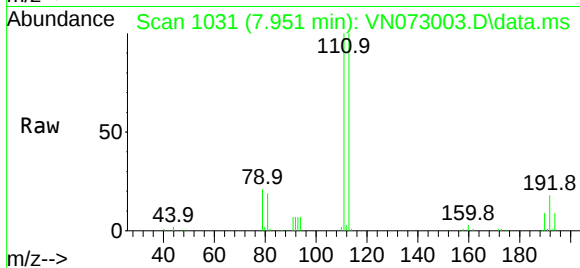
Tgt Ion:113 Resp: 152820

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 18.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 6.129 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN073003.D

Acq: 22 Jun 2022 04:53

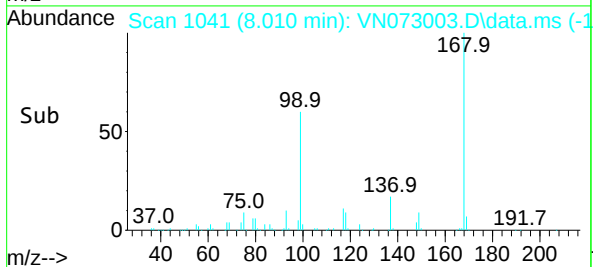
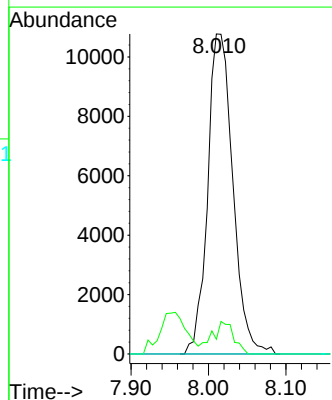
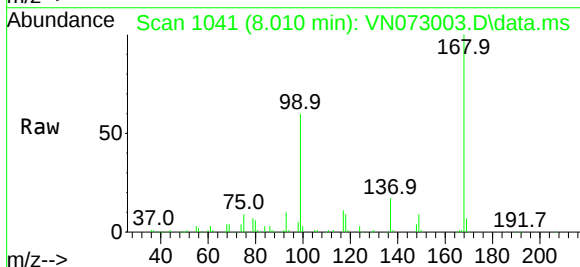
Tgt Ion: 75 Resp: 24354

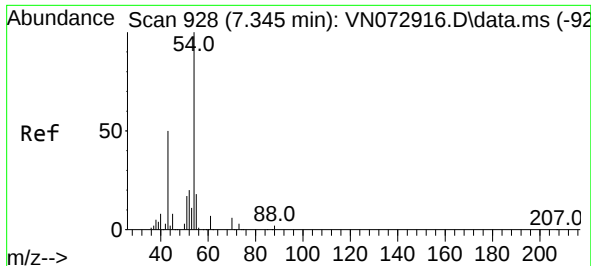
Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.8#

77 0.0 25.1 37.7#

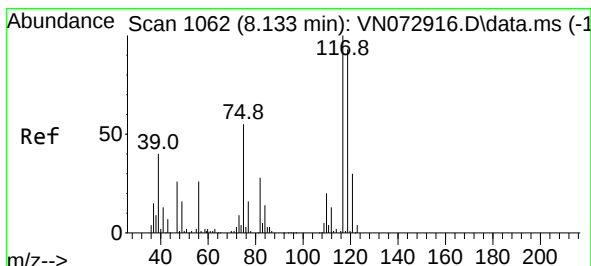
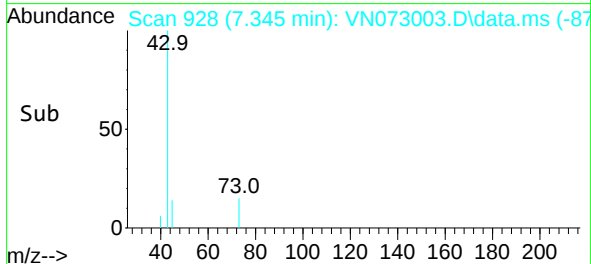
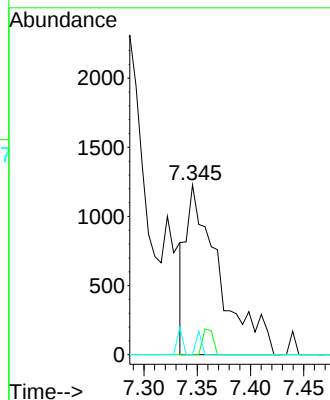
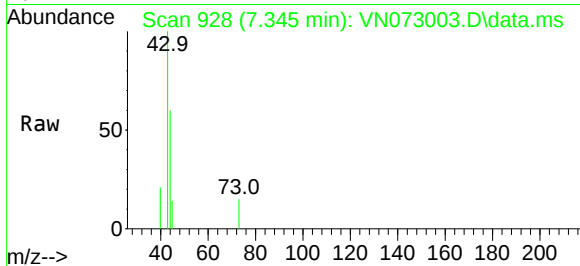




#37
Ethyl Acetate
Concen: 0.419 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.000 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

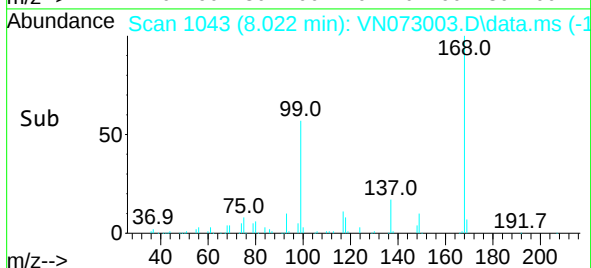
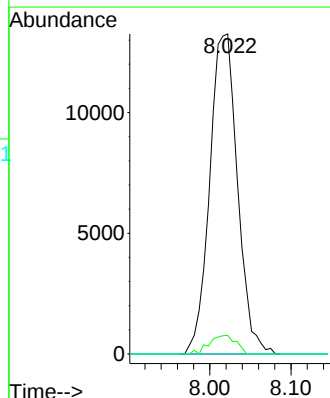
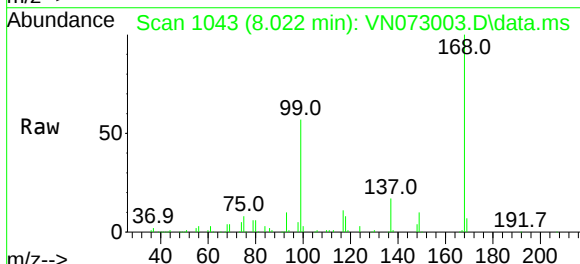
Instrument :
MSVOA_N
ClientSampleId :
MW-26I

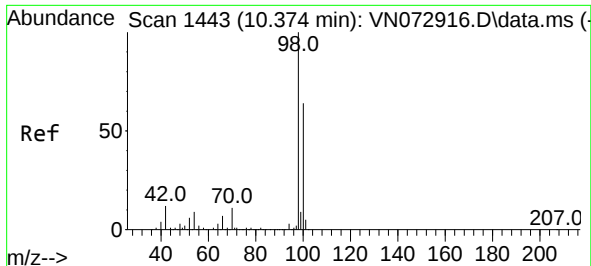
Tgt Ion: 43 Resp: 2662
Ion Ratio Lower Upper
43 100
61 4.8 11.8 17.6#
70 2.3 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 7.557 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

Tgt Ion: 117 Resp: 31584
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 24.6 37.0#

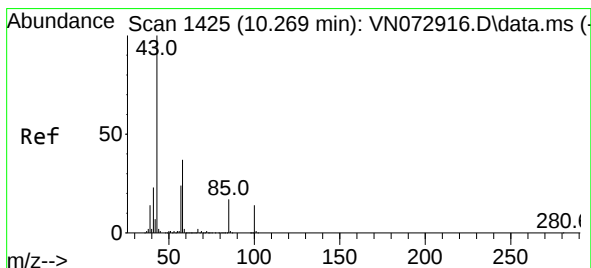
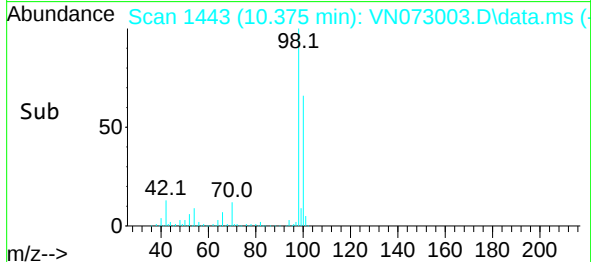
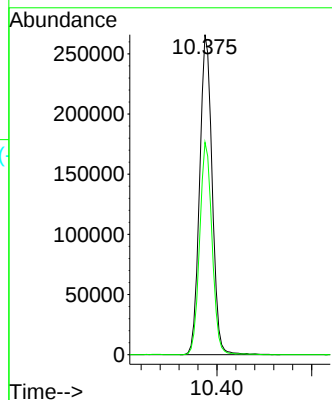
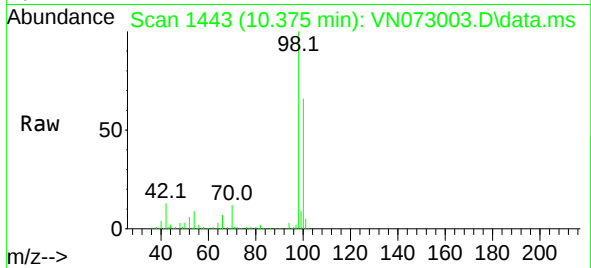




#50
Toluene-d8
Concen: 44.606 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

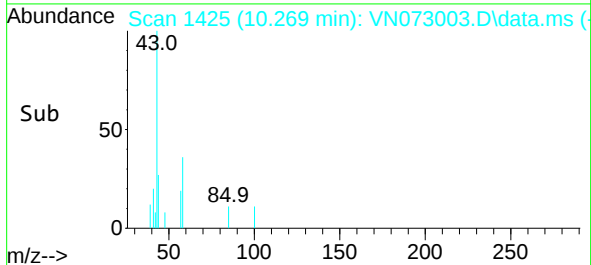
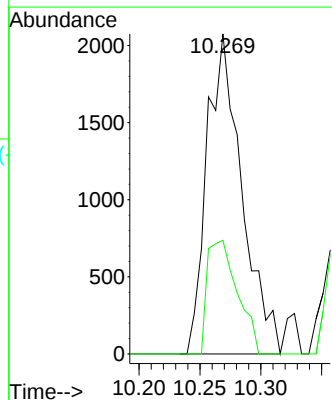
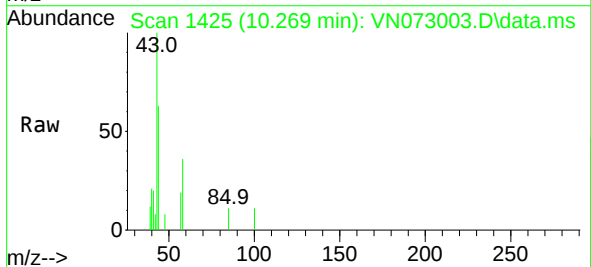
Instrument :
MSVOA_N
ClientSampleId :
MW-261

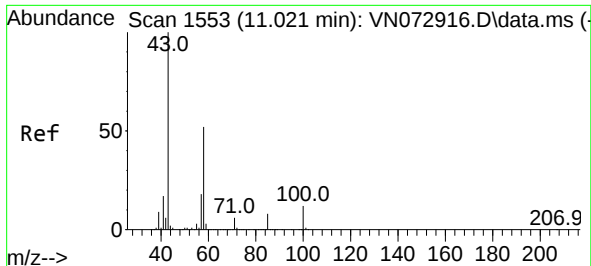
Tgt Ion: 98 Resp: 487373
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.699 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

Tgt Ion: 43 Resp: 4142
Ion Ratio Lower Upper
43 100
58 30.7 34.1 51.1#

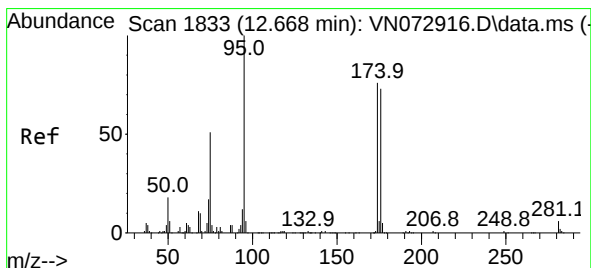
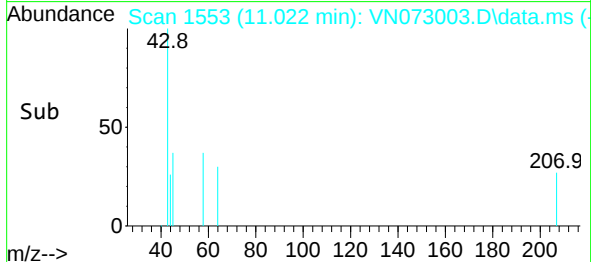
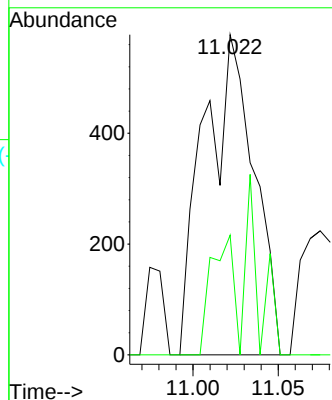
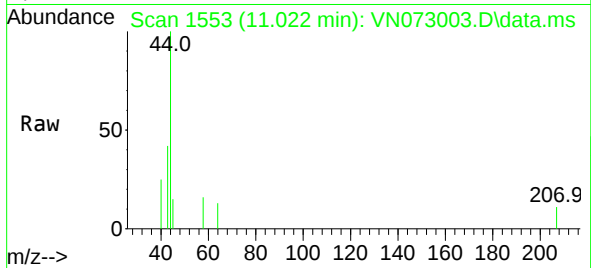




#59
2-Hexanone
Concen: 0.259 ug/l
RT: 11.022 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

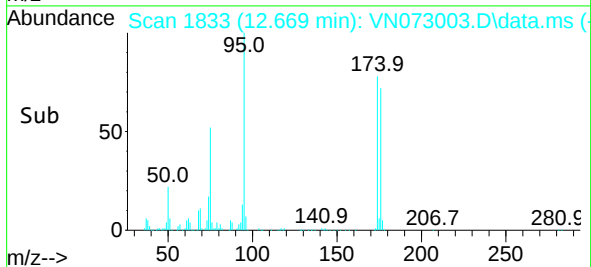
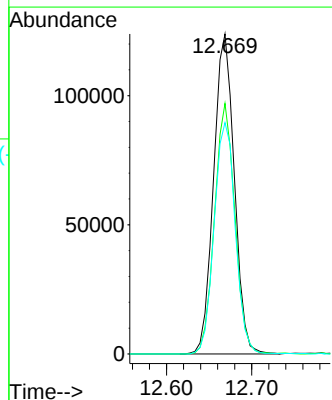
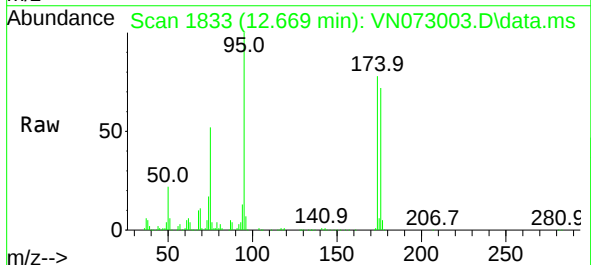
Instrument :
MSVOA_N
ClientSampleId :
MW-261

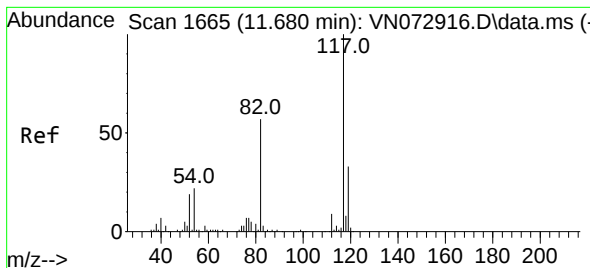
Tgt Ion: 43 Resp: 1185
Ion Ratio Lower Upper
43 100
58 16.7 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 53.203 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

Tgt Ion: 95 Resp: 209030
Ion Ratio Lower Upper
95 100
174 76.9 0.0 167.6
176 73.9 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.680 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN073003.D

Acq: 22 Jun 2022 04:53

Instrument :

MSVOA_N

ClientSampleId :

MW-26I

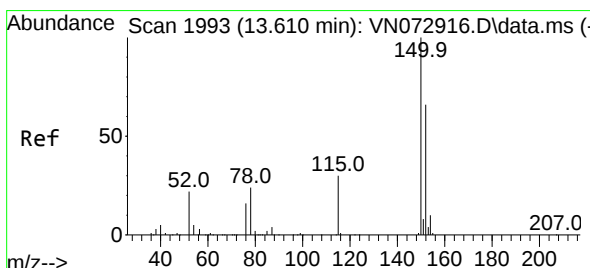
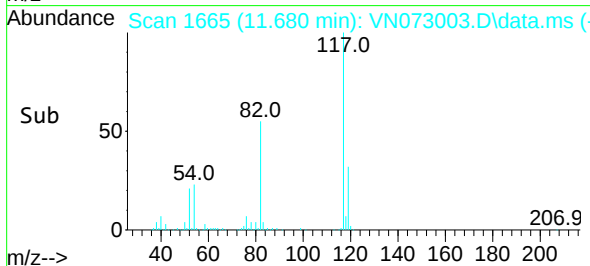
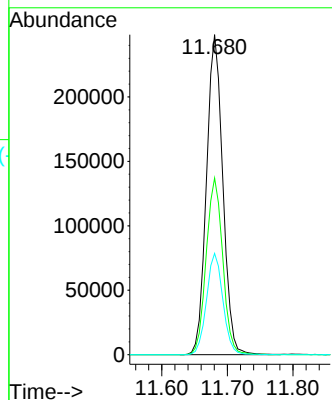
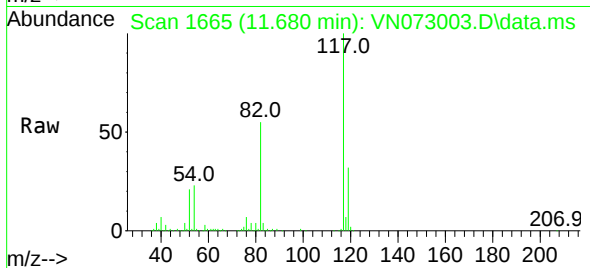
Tgt Ion:117 Resp: 431075

Ion Ratio Lower Upper

117 100

82 55.2 44.2 66.2

119 31.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VN073003.D

Acq: 22 Jun 2022 04:53

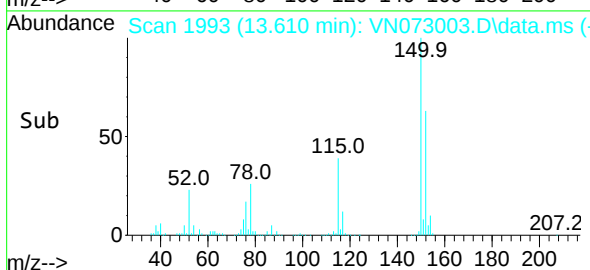
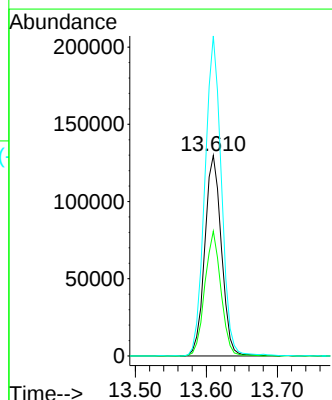
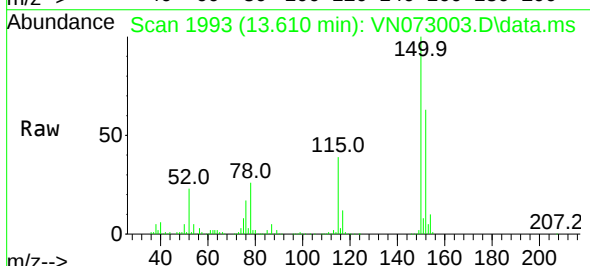
Tgt Ion:152 Resp: 211787

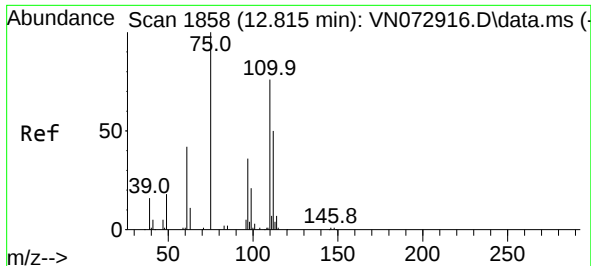
Ion Ratio Lower Upper

152 100

115 60.3 28.9 86.7

150 158.8 0.0 356.2

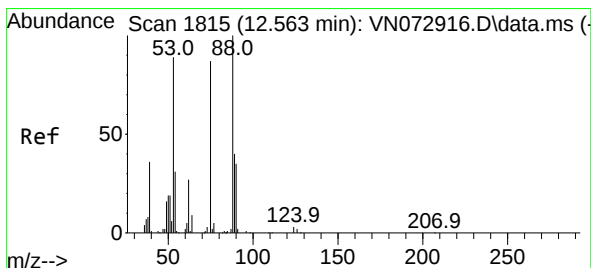
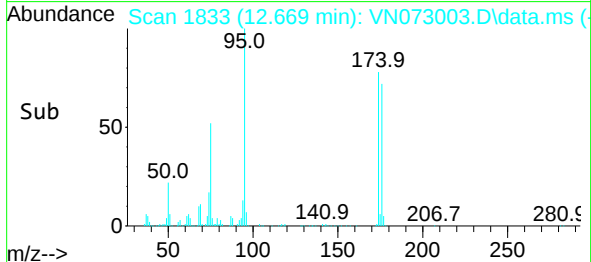
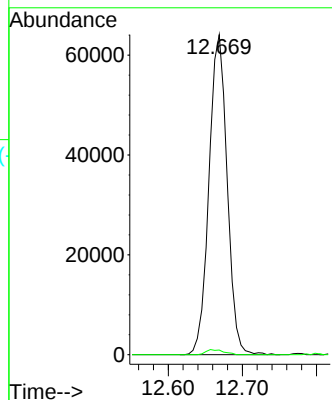
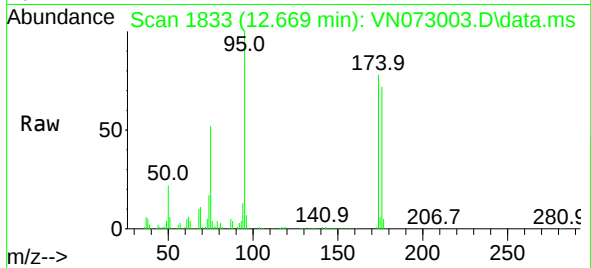




#76
1,2,3-Trichloropropane
Concen: 21.251 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

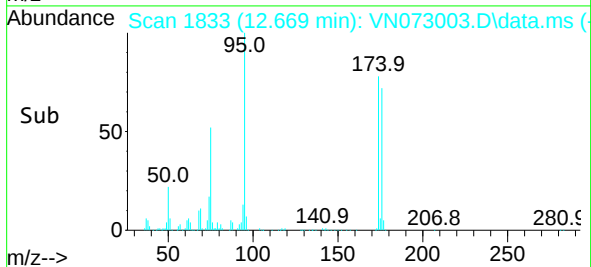
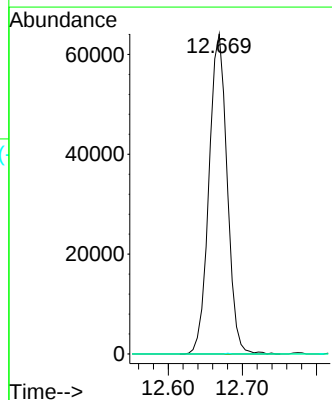
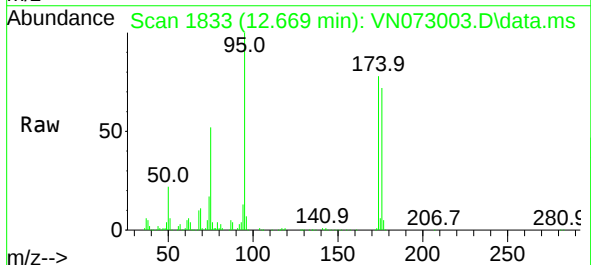
Instrument :
MSVOA_N
ClientSampleId :
MW-26I

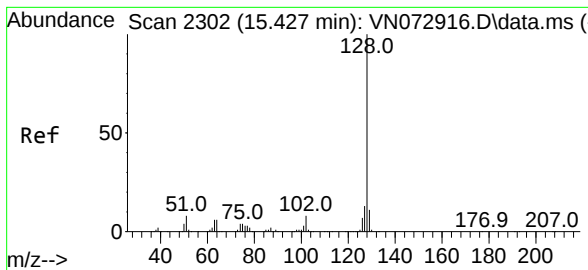
Tgt Ion: 75 Resp: 109120
Ion Ratio Lower Upper
75 100
77 1.6 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.392 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

Tgt Ion: 75 Resp: 109120
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 0.226 ug/l
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073003.D
Acq: 22 Jun 2022 04:53

Instrument :
MSVOA_N
ClientSampleId :
MW-26I

Tgt Ion:	128	Resp:	3694
Ion Ratio	Lower	Upper	
128	100		
127	11.6	10.3	15.5
129	3.4	8.6	13.0#

