

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
 Data File : VN072765.D
 Acq On : 10 Jun 2022 15:21
 Operator : JC\MD
 Sample : N3160-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3RE

Quant Time: Jun 11 01:54:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

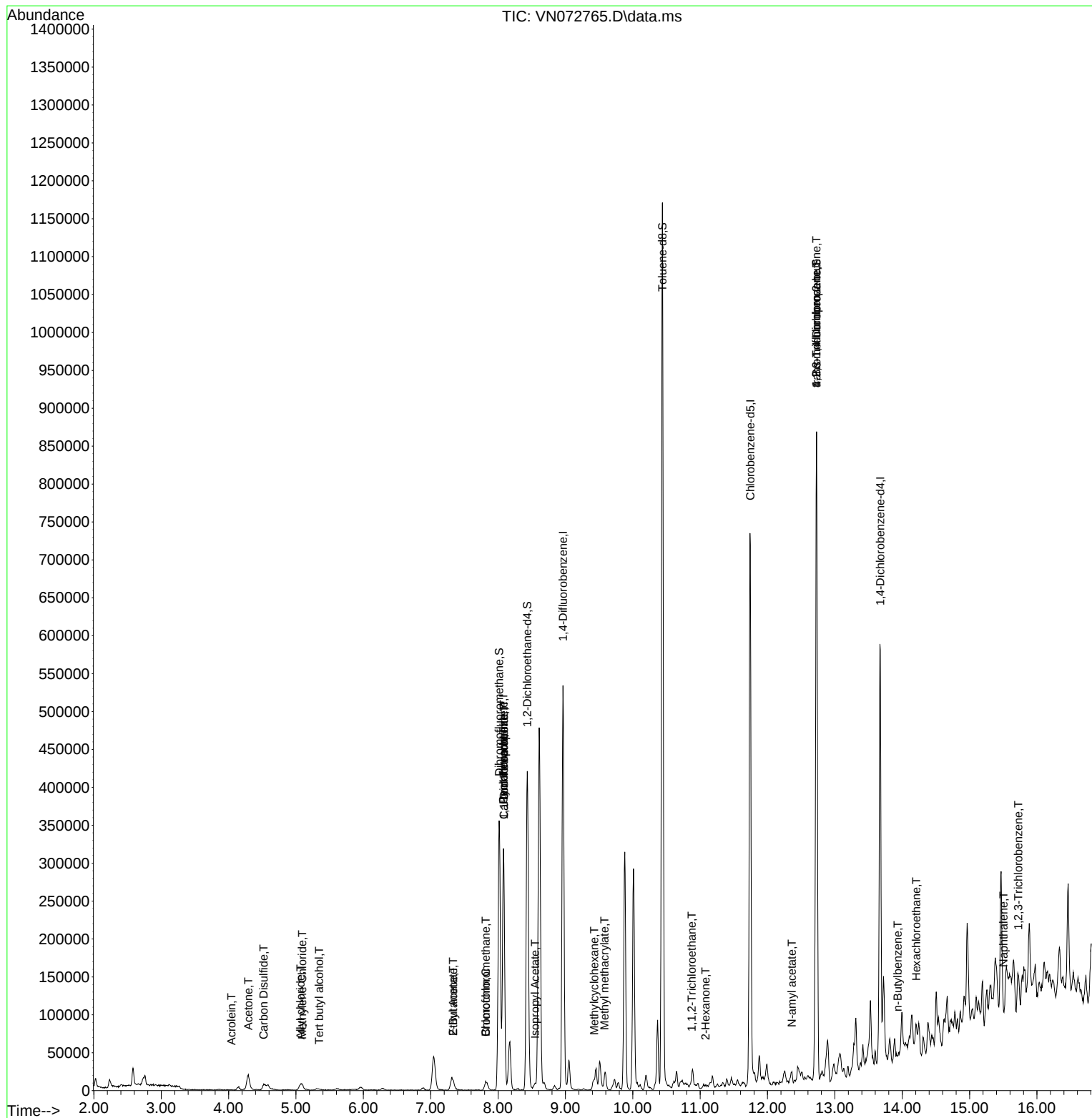
Internal Standards						
1) Pentafluorobenzene	8.081	168	202885	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	424119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	377599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	134843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	356815	65.527	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	131.060%	
35) Dibromofluoromethane	8.016	113	253387	60.379	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	120.760%	
50) Toluene-d8	10.439	98	747569	44.648	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	89.300%	
62) 4-Bromofluorobenzene	12.727	95	290583	50.576	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	101.160%	
Target Compounds						
						Qvalue
5) Bromomethane	2.793	94	61	Below Cal	#	2
6) Chloroethane	2.993	64	334	Below Cal	#	42
11) Tert butyl alcohol	5.346	59	530	0.408	ug/l #	72
13) Acrolein	4.040	56	288	0.537	ug/l #	43
14) Allyl chloride	5.069	41	3699	0.547	ug/l #	77
16) Acetone	4.293	43	38768	14.858	ug/l	91
17) Carbon Disulfide	4.522	76	16588	2.724	ug/l #	95
20) Methylene Chloride	5.093	84	1551	0.206	ug/l #	81
25) 2-Butanone	7.334	43	13389	3.190	ug/l #	88
28) Bromochloromethane	7.816	49	764	0.227	ug/l #	8
30) Chloroform	7.816	83	7237	0.976	ug/l	87
31) Cyclohexane	8.081	56	7342	0.571	ug/l #	54
36) 1,1-Dichloropropene	8.087	75	21707	3.726	ug/l #	50
37) Ethyl Acetate	7.334	43	13389	1.479	ug/l #	71
38) Carbon Tetrachloride	8.087	117	24472	3.931	ug/l #	16
39) Methylcyclohexane	9.428	83	1522	0.225	ug/l #	2
43) Isopropyl Acetate	8.551	43	4206	0.298	ug/l #	53
48) Methyl methacrylate	9.581	41	7713	1.157	ug/l #	32
55) 1,1,2-Trichloroethane	10.875	97	2000	0.420	ug/l #	1
59) 2-Hexanone	11.080	43	2736	0.405	ug/l	92
74) N-amyl acetate	12.363	43	5046	0.751	ug/l #	80
76) 1,2,3-Trichloropropane	12.727	75	171964	39.520	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	171964	103.356	ug/l #	10
89) n-Butylbenzene	13.933	91	4724	0.525	ug/l #	67
90) Hexachloroethane	14.210	117	577	0.250	ug/l #	9
95) Naphthalene	15.504	128	2600	0.293	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.721	180	766	0.337	ug/l #	27

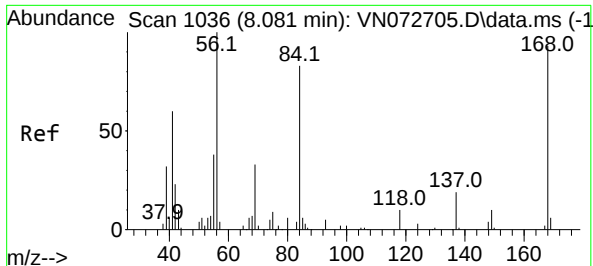
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
Data File : VN072765.D
Acq On : 10 Jun 2022 15:21
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Sample : N3160-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

Quant Time: Jun 11 01:54:29 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 05:17:31 2022
Response via : Initial Calibration

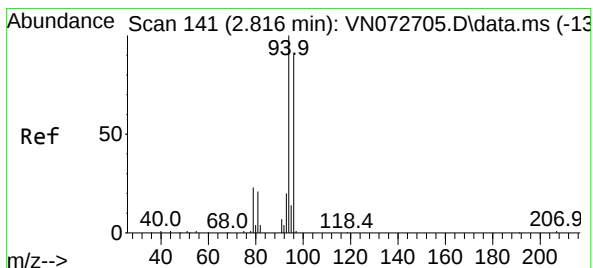
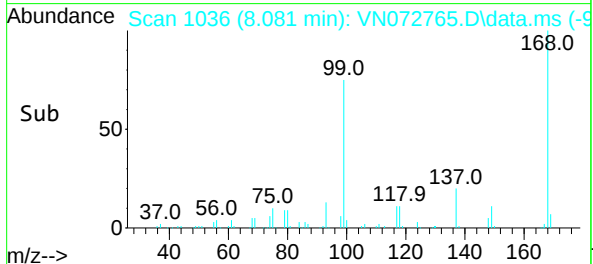
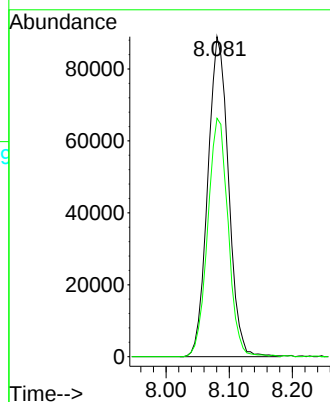
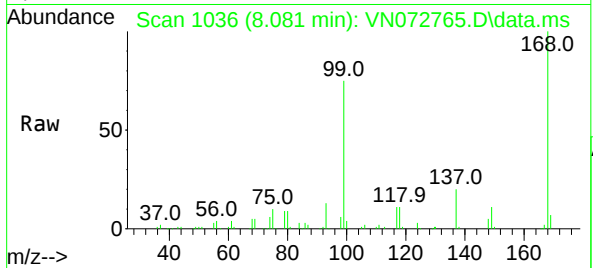




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

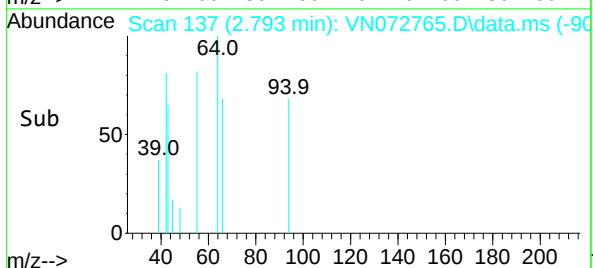
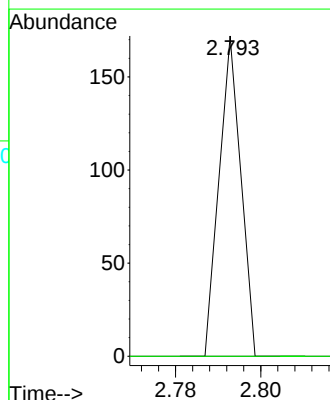
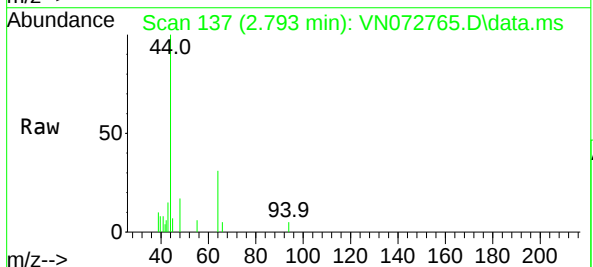
Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

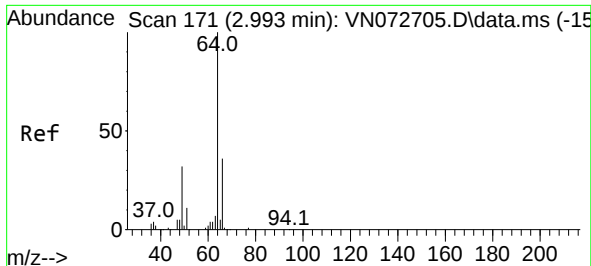
Tgt Ion:168 Resp: 202885
Ion Ratio Lower Upper
168 100
99 74.5 42.3 63.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.793 min Scan# 137
Delta R.T. -0.023 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

Tgt Ion: 94 Resp: 61
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

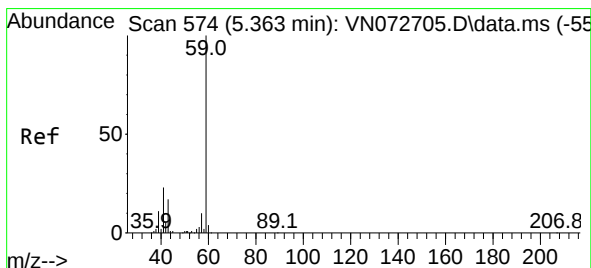
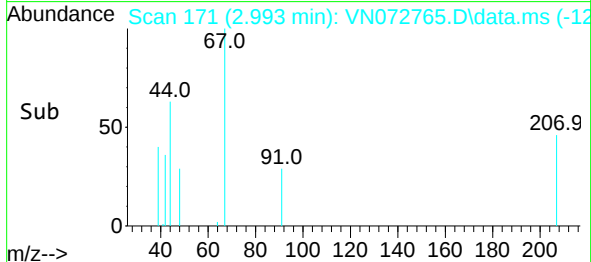
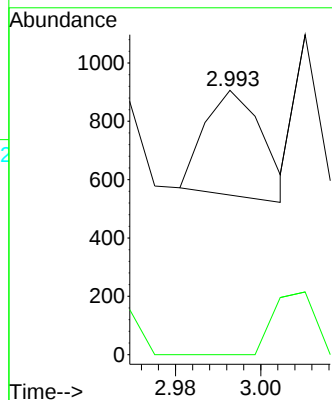
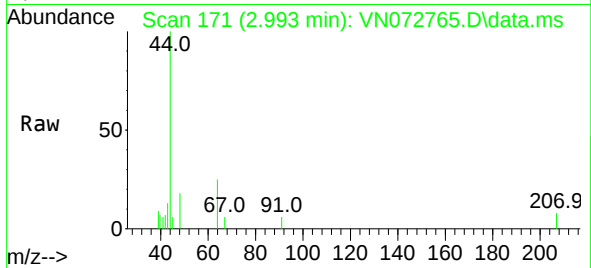




#6
Chloroethane
Concen: Below Cal
RT: 2.993 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

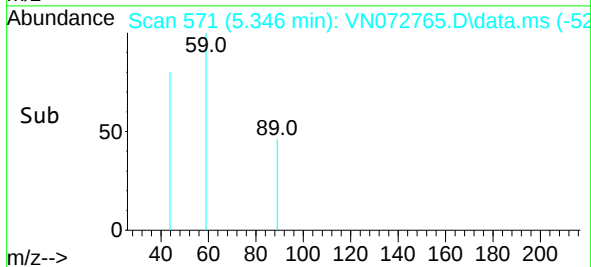
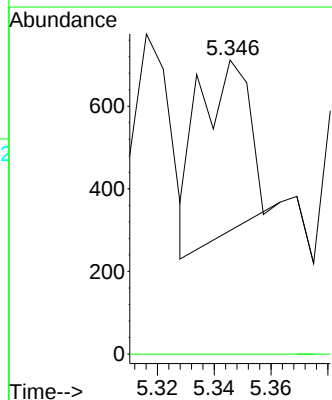
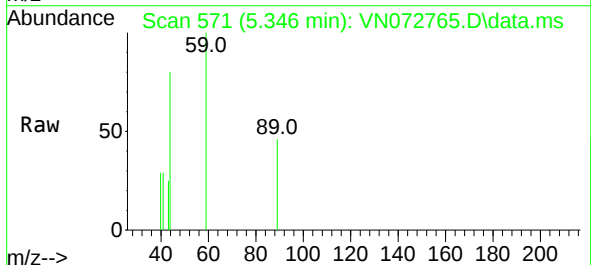
Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

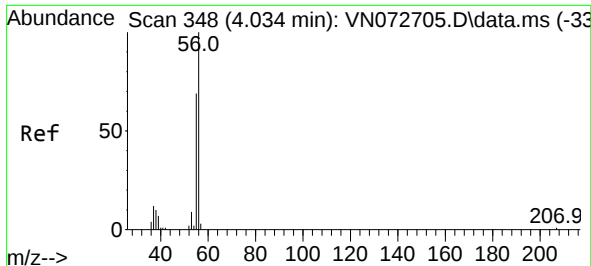
Tgt Ion: 64 Resp: 334
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.408 ug/l
RT: 5.346 min Scan# 571
Delta R.T. -0.017 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

Tgt Ion: 59 Resp: 530
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

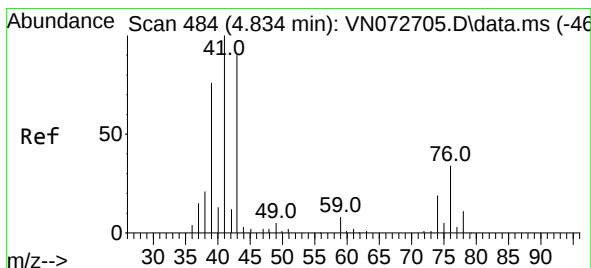
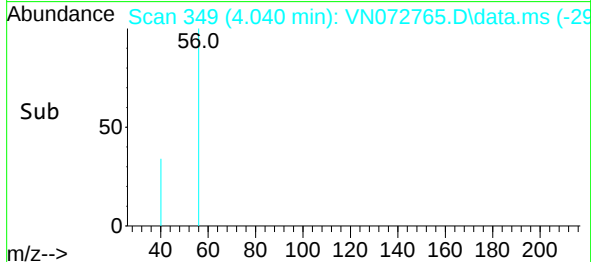
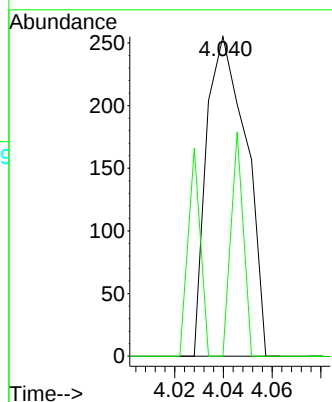
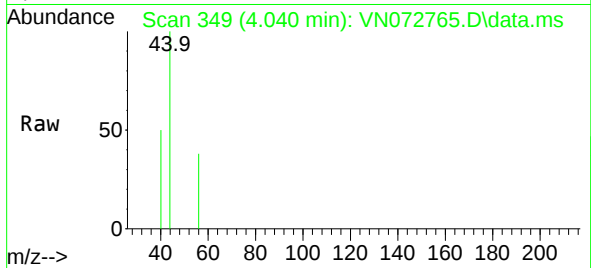




#13
Acrolein
Concen: 0.537 ug/l
RT: 4.040 min Scan# 348
Delta R.T. 0.006 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

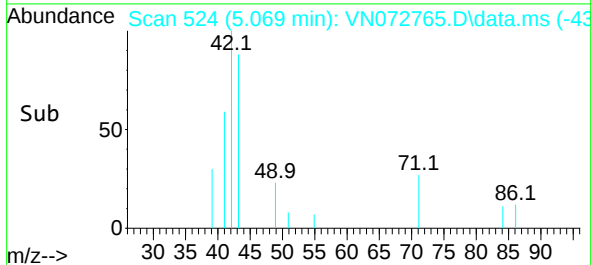
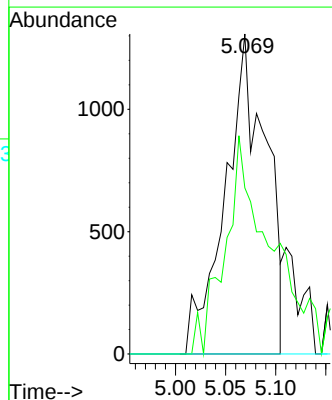
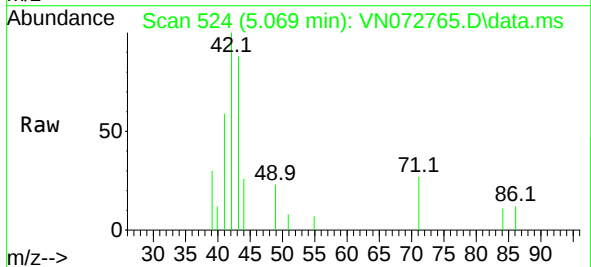
Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

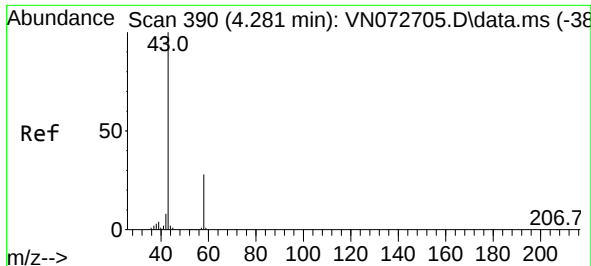
Tgt Ion: 56 Resp: 288
Ion Ratio Lower Upper
56 100
55 21.9 54.8 82.2#



#14
Allyl chloride
Concen: 0.547 ug/l
RT: 5.069 min Scan# 524
Delta R.T. 0.235 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

Tgt Ion: 41 Resp: 3699
Ion Ratio Lower Upper
41 100
39 66.8 53.2 79.8
76 0.0 29.9 44.9#

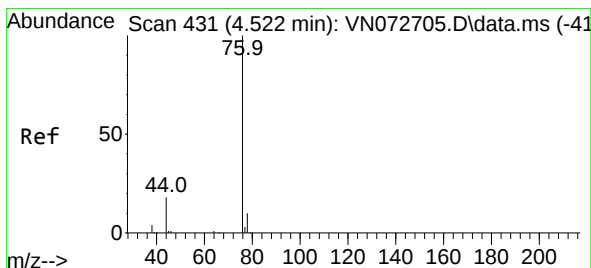
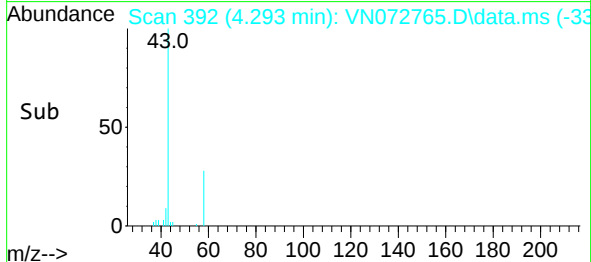
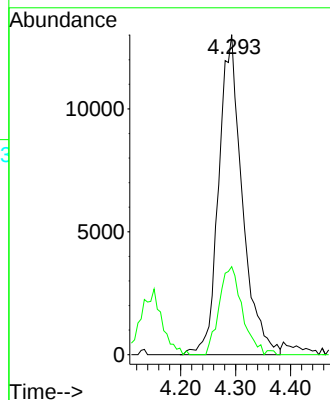
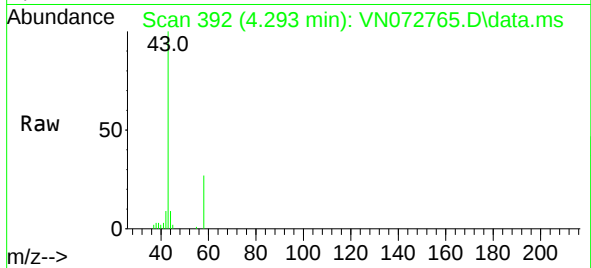




#16
Acetone
Concen: 14.858 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

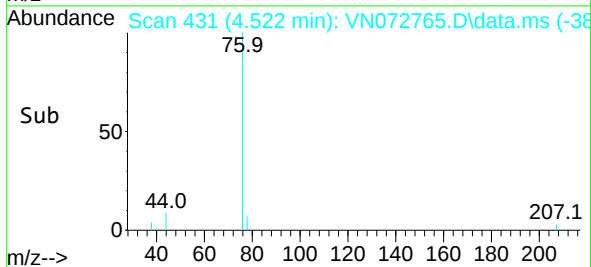
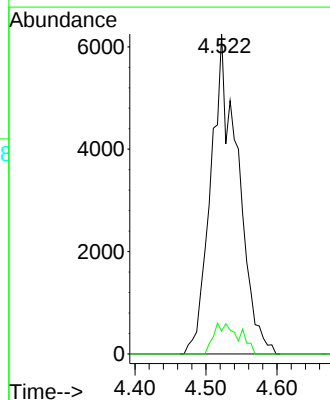
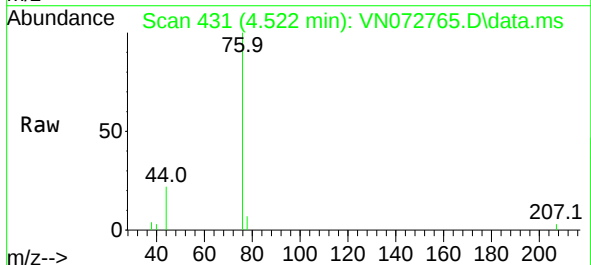
Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

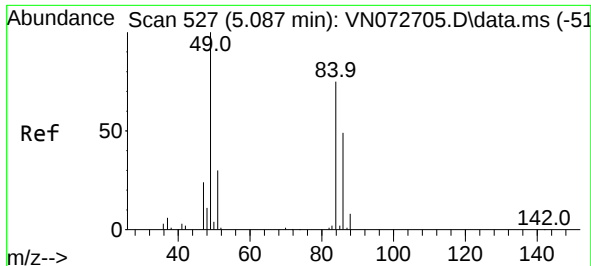
Tgt Ion: 43 Resp: 38768
Ion Ratio Lower Upper
43 100
58 27.5 26.0 39.0



#17
Carbon Disulfide
Concen: 2.724 ug/l
RT: 4.522 min Scan# 431
Delta R.T. 0.000 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

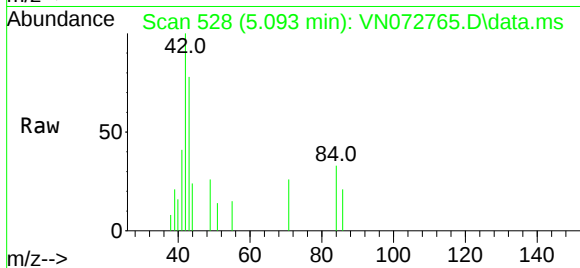
Tgt Ion: 76 Resp: 16588
Ion Ratio Lower Upper
76 100
78 7.1 7.2 10.8#



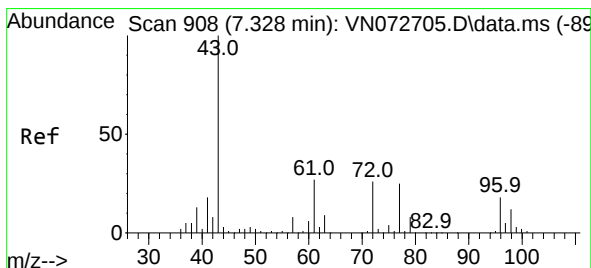
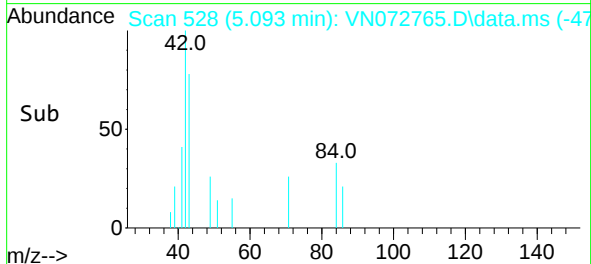
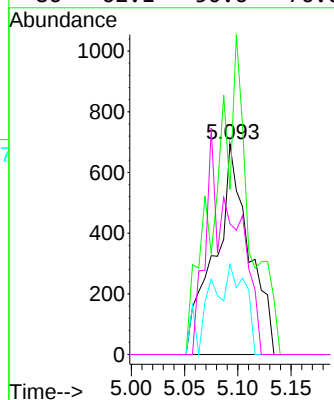


#20
Methylene Chloride
Concen: 0.206 ug/l
RT: 5.093 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

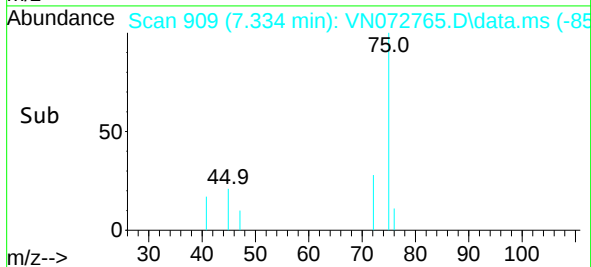
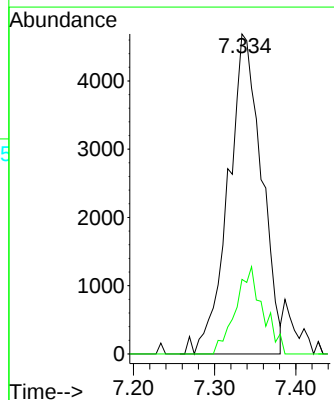
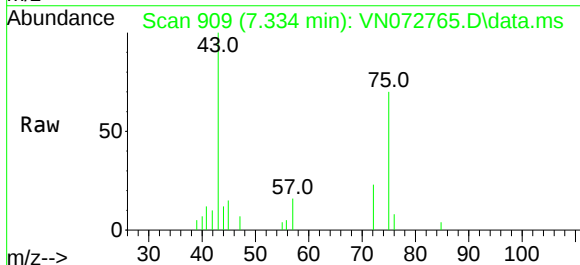


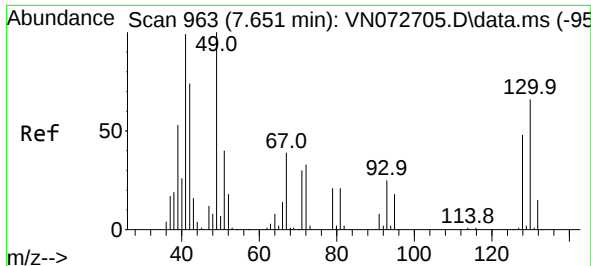
Tgt Ion: 84 Resp: 1551
Ion Ratio Lower Upper
84 100
49 78.4 88.3 132.5#
51 42.8 28.2 42.2#
86 62.1 50.6 76.0



#25
2-Butanone
Concen: 3.190 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

Tgt Ion: 43 Resp: 13389
Ion Ratio Lower Upper
43 100
72 23.3 23.7 35.5#

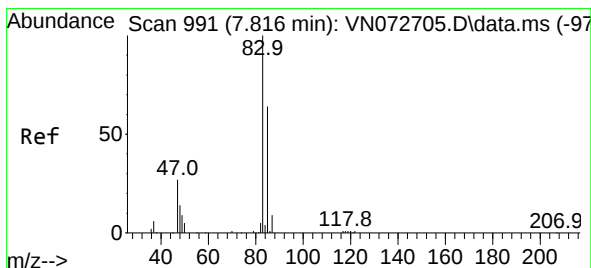
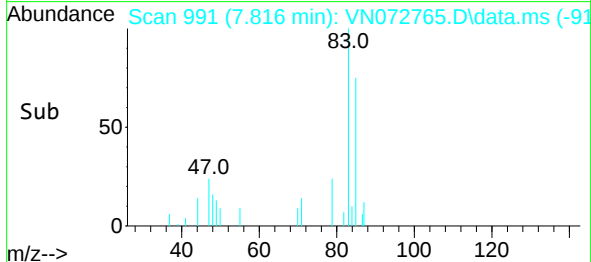
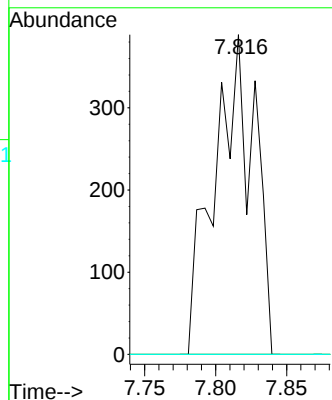
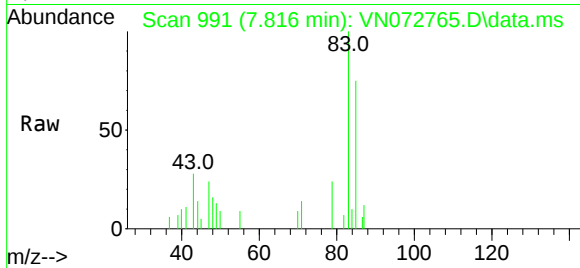




#28
Bromochloromethane
Concen: 0.227 ug/l
RT: 7.816 min Scan# 991
Delta R.T. 0.165 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

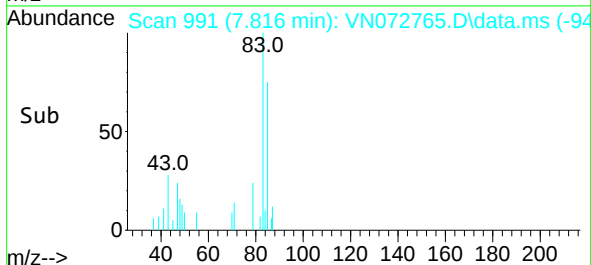
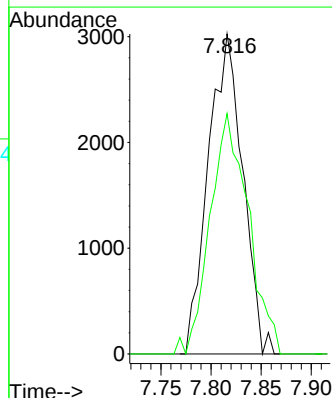
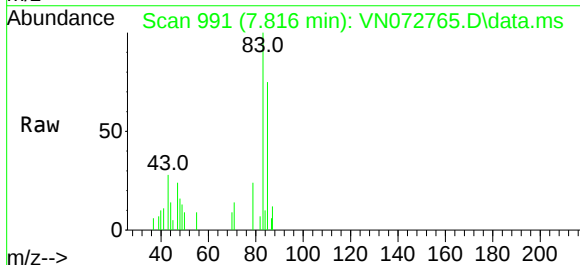
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MSVOA_N
ClientSampleId :
MW-3RE

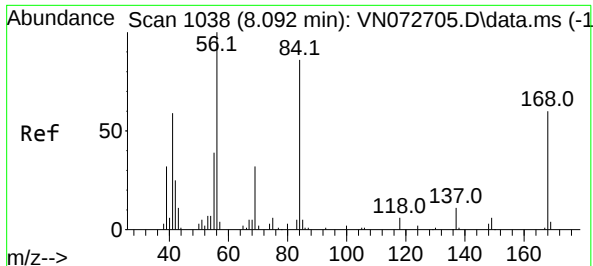
Tgt Ion: 49 Resp: 764
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 69.7 104.5#



#30
Chloroform
Concen: 0.976 ug/l
RT: 7.816 min Scan# 991
Delta R.T. -0.000 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

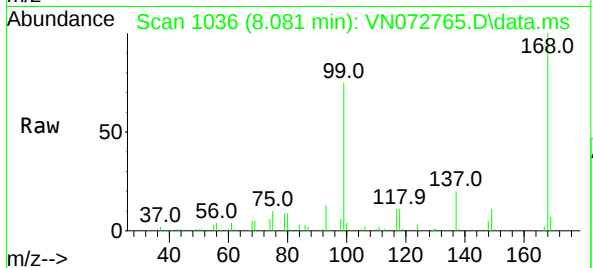
Tgt Ion: 83 Resp: 7237
Ion Ratio Lower Upper
83 100
85 75.1 51.8 77.8



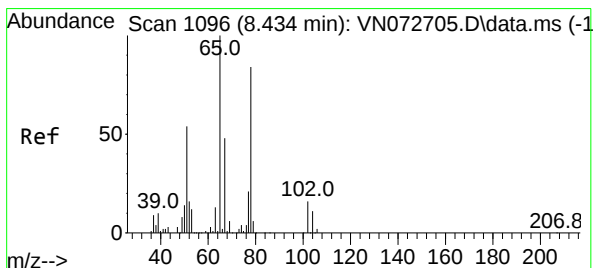
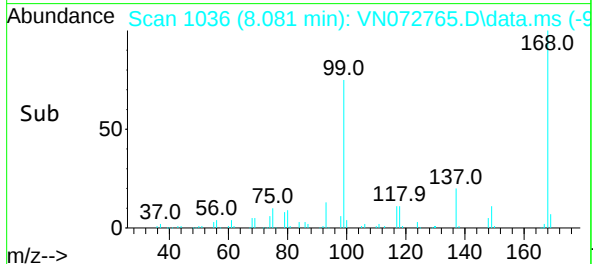
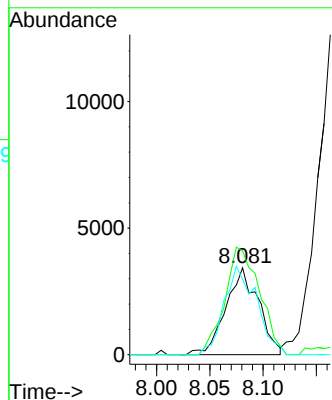


#31
Cyclohexane
Concen: 0.571 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

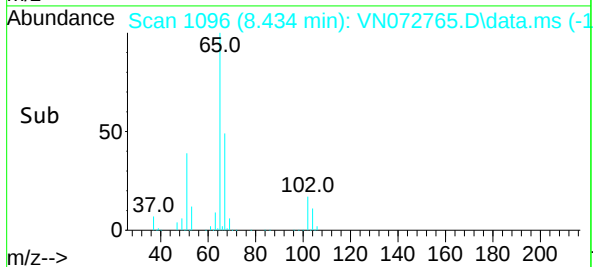
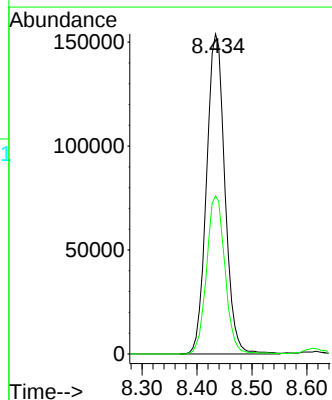
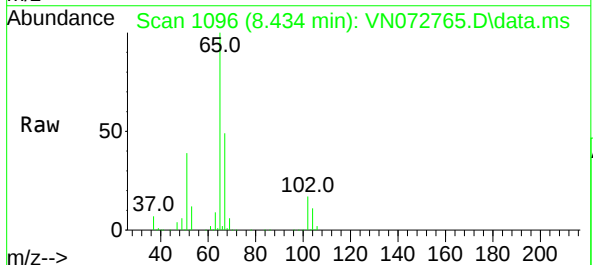


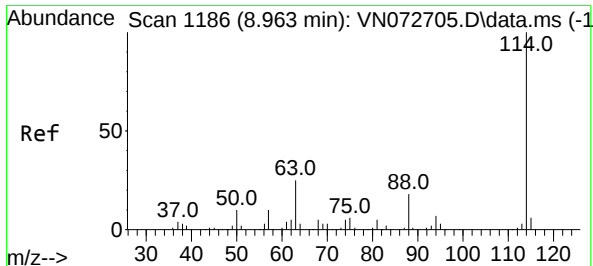
Tgt Ion: 56 Resp: 7342
Ion Ratio Lower Upper
56 100
69 119.4 27.8 41.8#
84 86.7 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 65.527 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

Tgt Ion: 65 Resp: 356815
Ion Ratio Lower Upper
65 100
67 49.4 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: VN072765.D

Acq: 10 Jun 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

MW-3RE

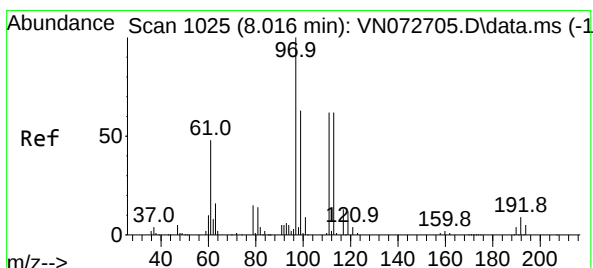
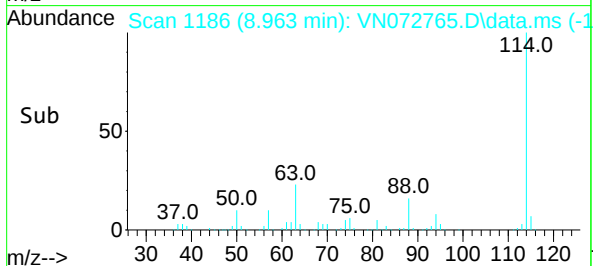
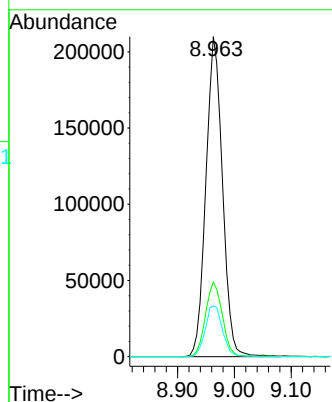
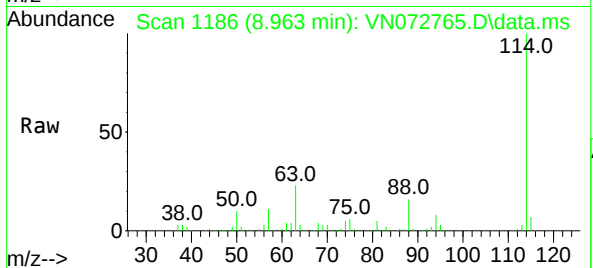
Tgt Ion:114 Resp: 424119

Ion Ratio Lower Upper

114 100

63 23.3 0.0 40.0

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 60.379 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072765.D

Acq: 10 Jun 2022 15:21

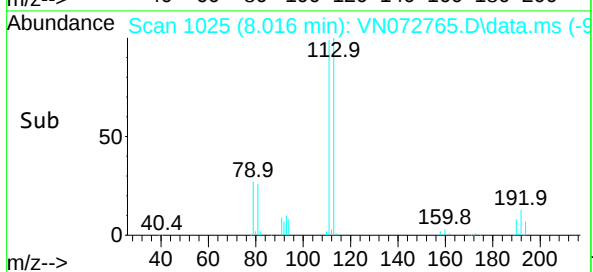
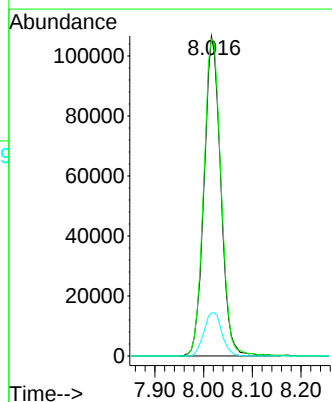
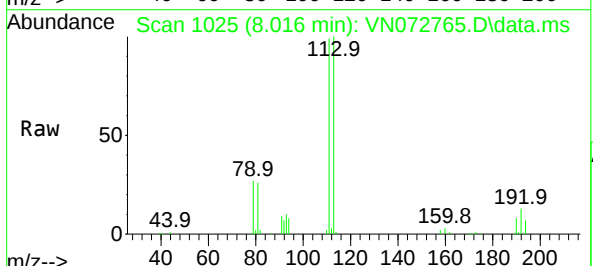
Tgt Ion:113 Resp: 253387

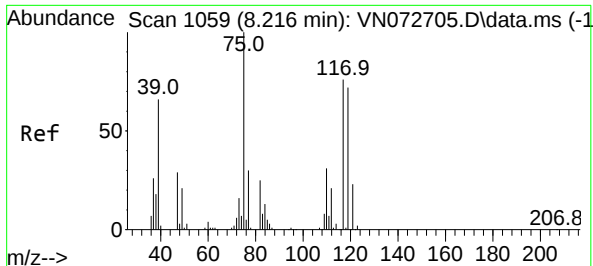
Ion Ratio Lower Upper

113 100

111 103.4 81.4 122.0

192 14.6 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 3.726 ug/l

RT: 8.087 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN072765.D

Acq: 10 Jun 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

MW-3RE

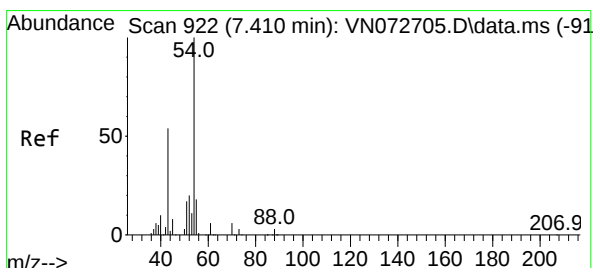
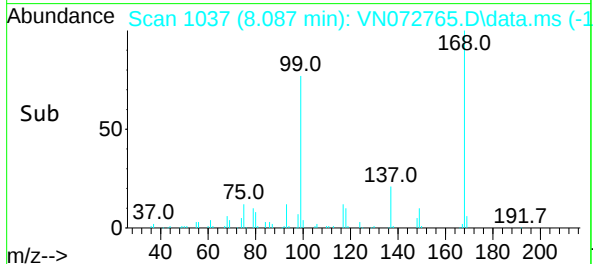
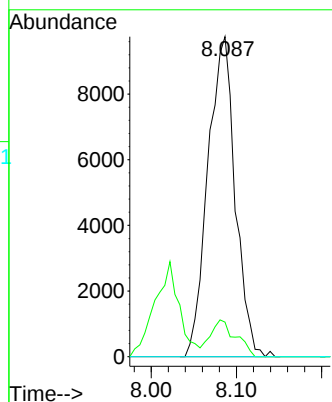
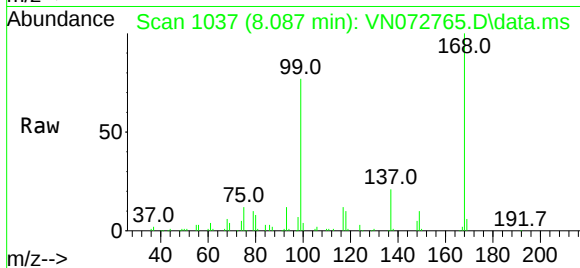
Tgt Ion: 75 Resp: 21707

Ion Ratio Lower Upper

75 100

110 10.7 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 1.479 ug/l

RT: 7.334 min Scan# 909

Delta R.T. -0.076 min

Lab File: VN072765.D

Acq: 10 Jun 2022 15:21

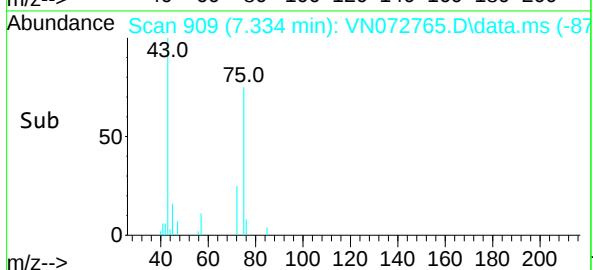
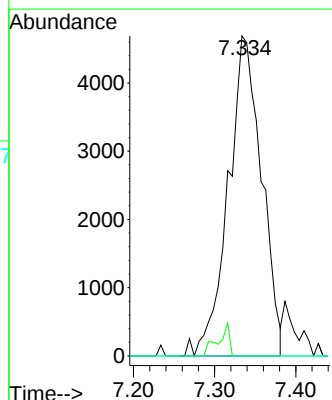
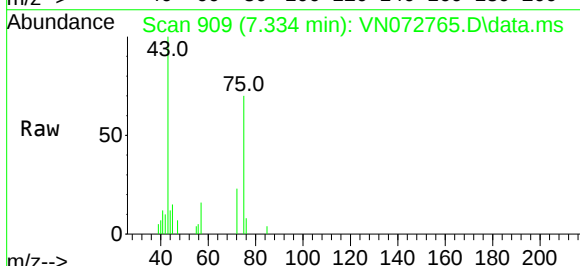
Tgt Ion: 43 Resp: 13389

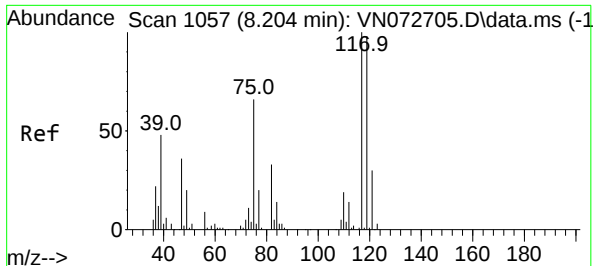
Ion Ratio Lower Upper

43 100

61 3.5 11.8 17.6#

70 0.0 9.3 13.9#

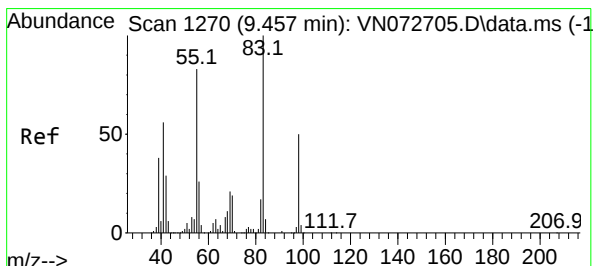
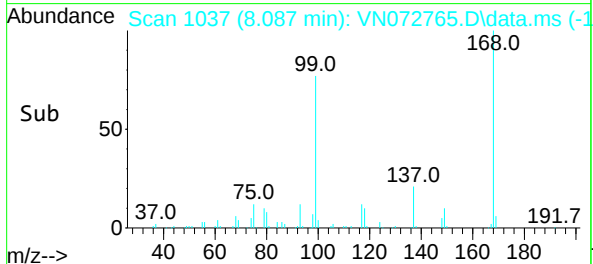
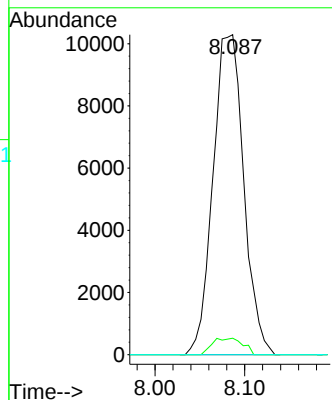
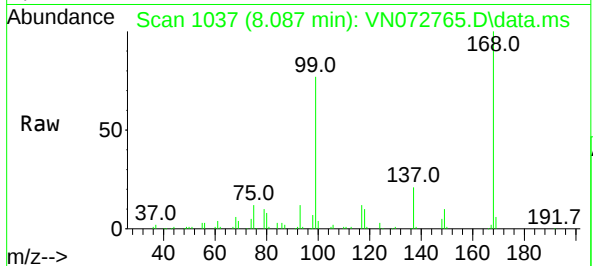




#38
Carbon Tetrachloride
Concen: 3.931 ug/l
RT: 8.087 min Scan# 117
Delta R.T. -0.117 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

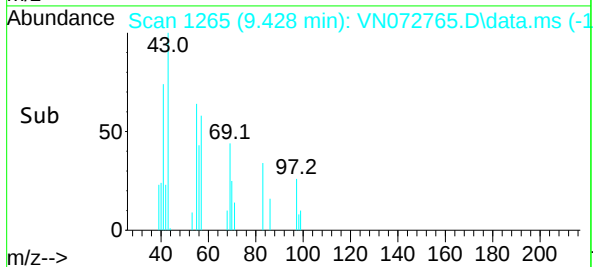
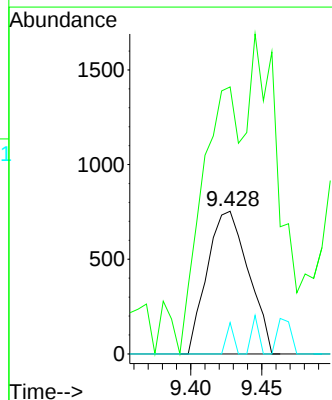
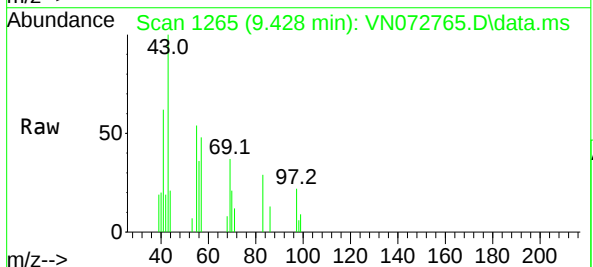
Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

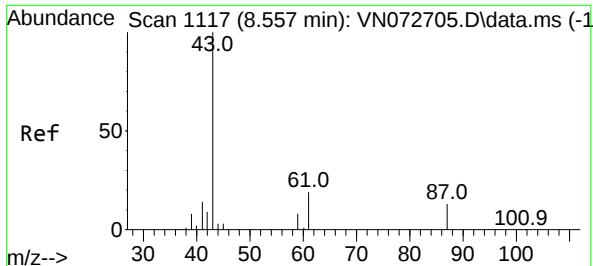
Tgt Ion:117 Resp: 24472
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.225 ug/l
RT: 9.428 min Scan# 1265
Delta R.T. -0.029 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

Tgt Ion: 83 Resp: 1522
Ion Ratio Lower Upper
83 100
55 187.0 57.8 86.8#
98 21.9 39.4 59.2#





#43

Isopropyl Acetate

Concen: 0.298 ug/l

RT: 8.551 min Scan# 1116

Delta R.T. -0.006 min

Lab File: VN072765.D

Acq: 10 Jun 2022 15:21

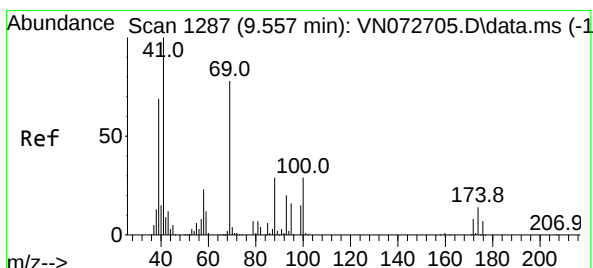
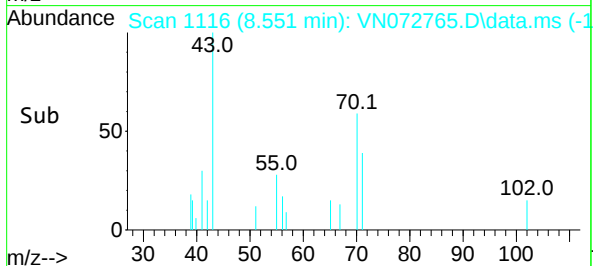
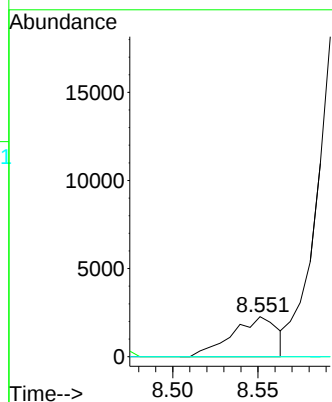
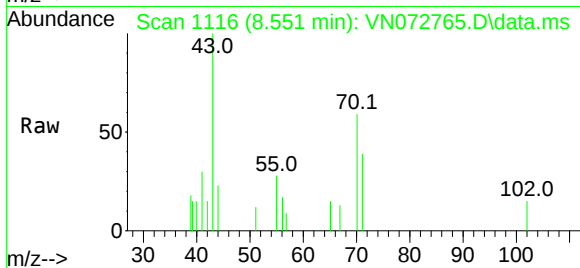
Instrument :

MSVOA_N

ClientSampleId :

MW-3RE

Tgt Ion: 43	Resp: 4206
Ion Ratio	Lower Upper
43	100
61	0.0 21.9 32.9#
87	0.0 12.0 18.0#



#48

Methyl methacrylate

Concen: 1.157 ug/l

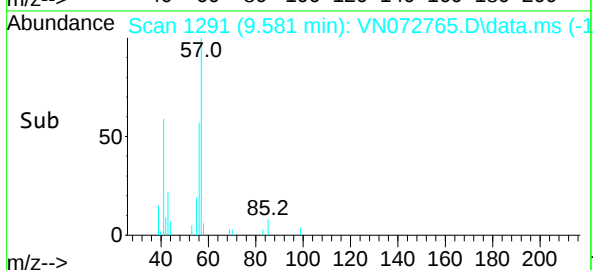
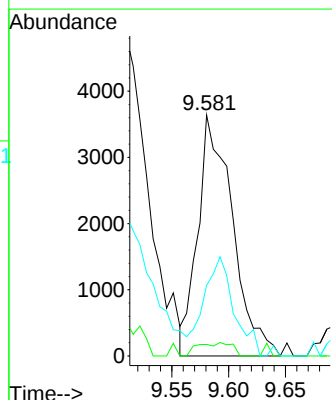
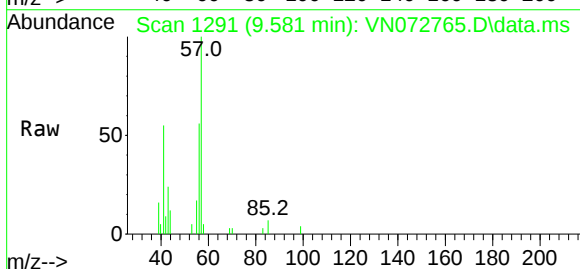
RT: 9.581 min Scan# 1291

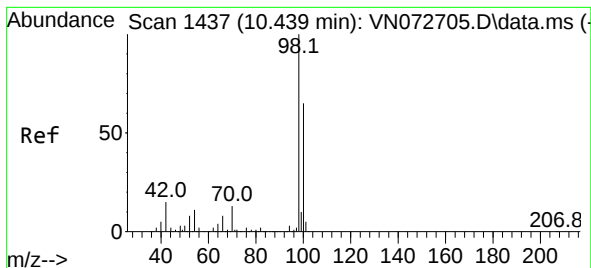
Delta R.T. 0.024 min

Lab File: VN072765.D

Acq: 10 Jun 2022 15:21

Tgt Ion: 41	Resp: 7713
Ion Ratio	Lower Upper
41	100
69	5.5 74.7 112.1#
39	35.8 45.6 68.4#





#50

Toluene-d8

Concen: 44.648 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072765.D

Acq: 10 Jun 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

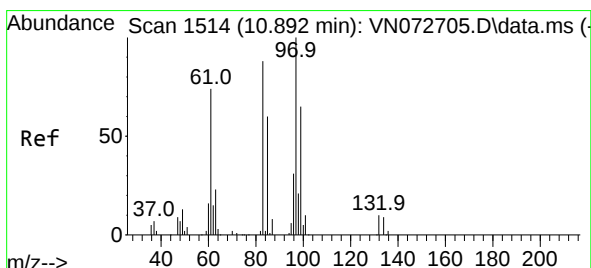
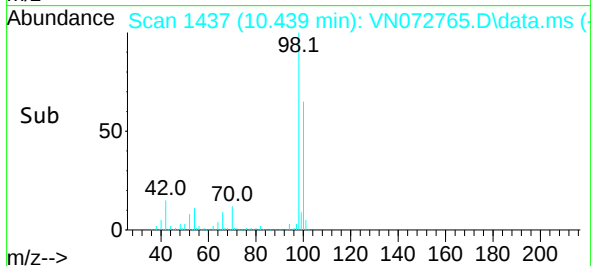
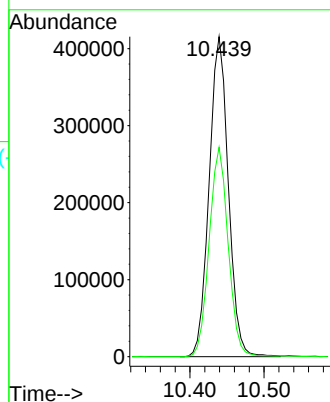
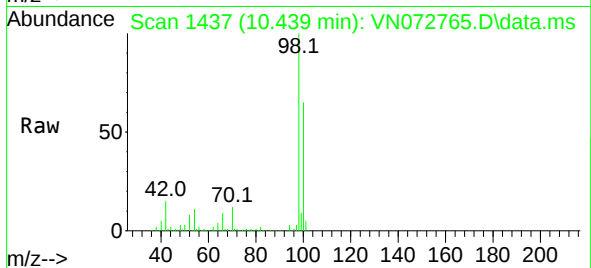
MW-3RE

Tgt Ion: 98 Resp: 747569

Ion Ratio Lower Upper

98 100

100 64.9 52.6 78.8



#55

1,1,2-Trichloroethane

Concen: 0.420 ug/l

RT: 10.875 min Scan# 1511

Delta R.T. -0.017 min

Lab File: VN072765.D

Acq: 10 Jun 2022 15:21

Tgt Ion: 97 Resp: 2000

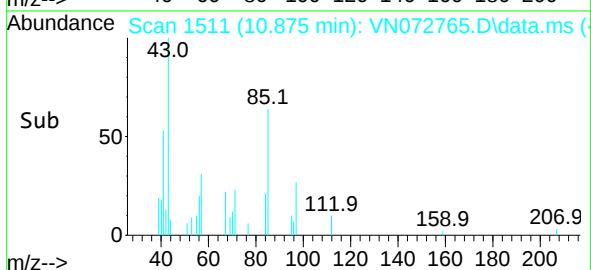
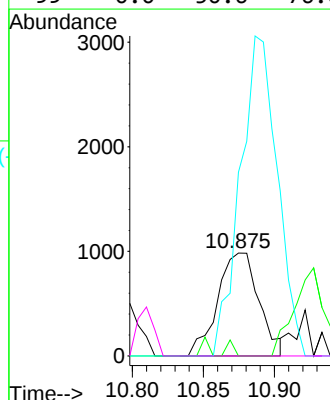
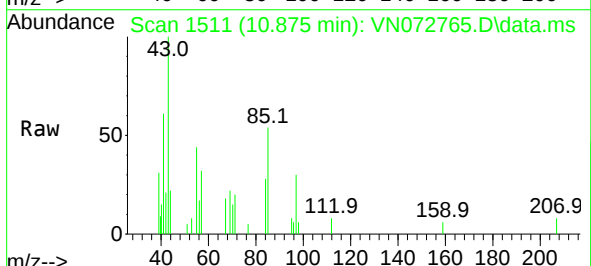
Ion Ratio Lower Upper

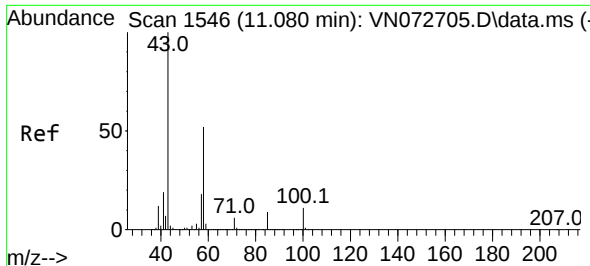
97 100

83 0.0 66.2 99.4#

85 178.6 43.9 65.9#

99 0.0 50.6 76.0#

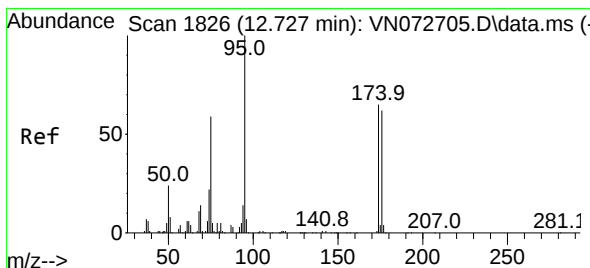
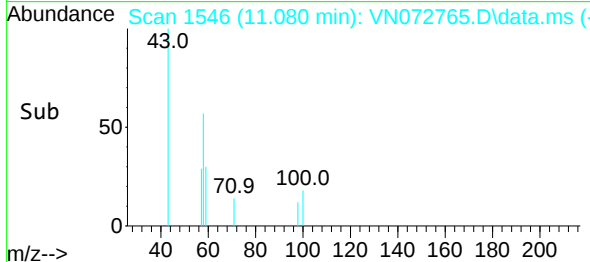
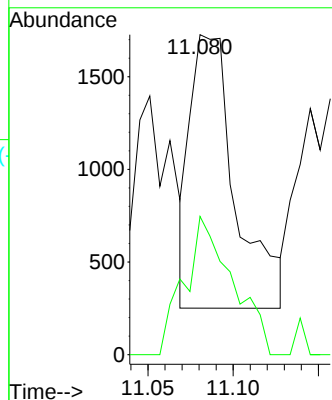
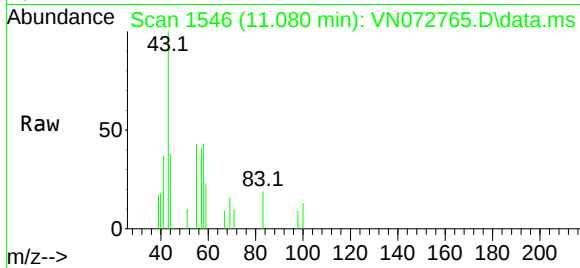




#59
2-Hexanone
Concen: 0.405 ug/l
RT: 11.080 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

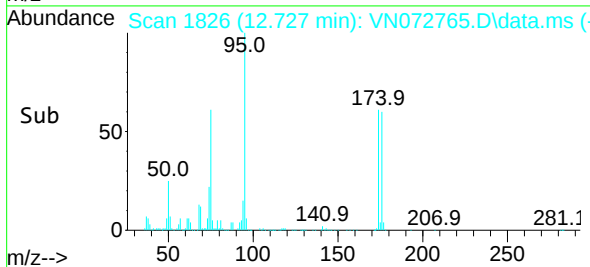
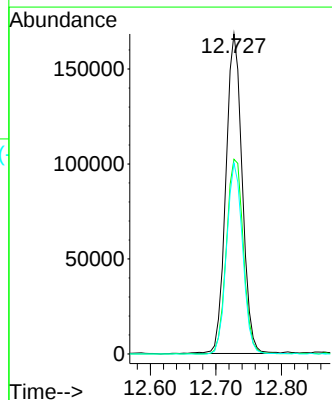
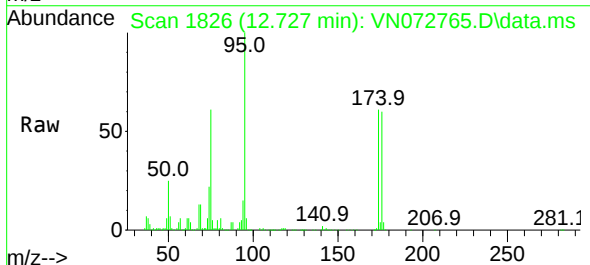
Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

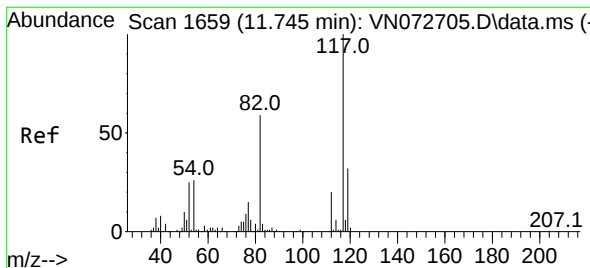
Tgt Ion: 43 Resp: 2736
Ion Ratio Lower Upper
43 100
58 53.6 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 50.576 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

Tgt Ion: 95 Resp: 290583
Ion Ratio Lower Upper
95 100
174 63.1 0.0 167.6
176 58.7 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.745 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072765.D

Acq: 10 Jun 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

MW-3RE

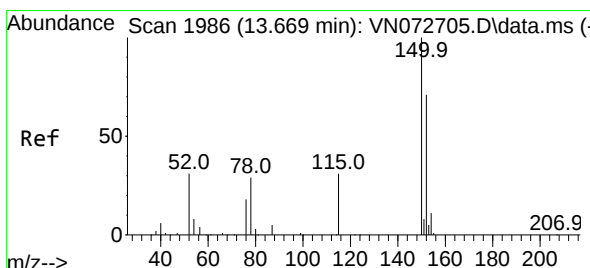
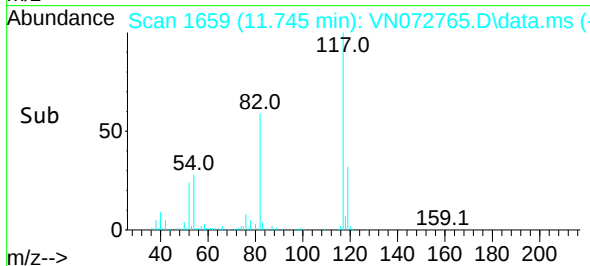
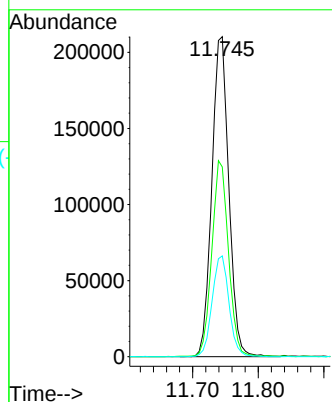
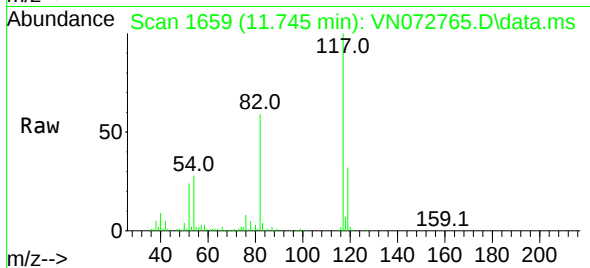
Tgt Ion:117 Resp: 377599

Ion Ratio Lower Upper

117 100

82 59.2 44.2 66.2

119 31.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.674 min Scan# 1987

Delta R.T. 0.005 min

Lab File: VN072765.D

Acq: 10 Jun 2022 15:21

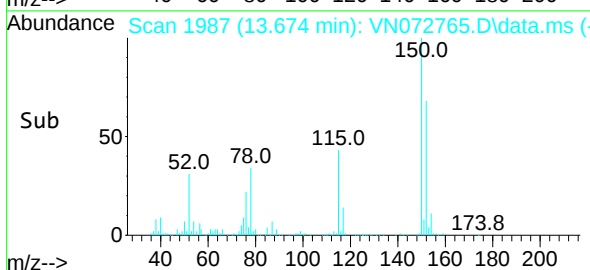
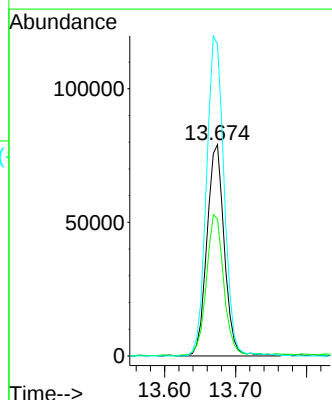
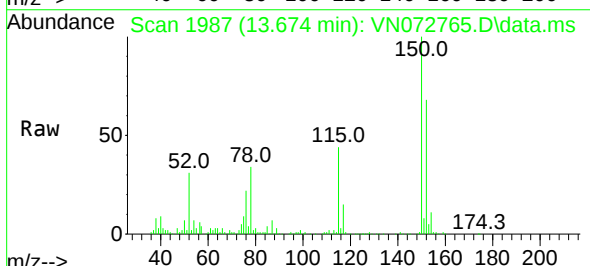
Tgt Ion:152 Resp: 134843

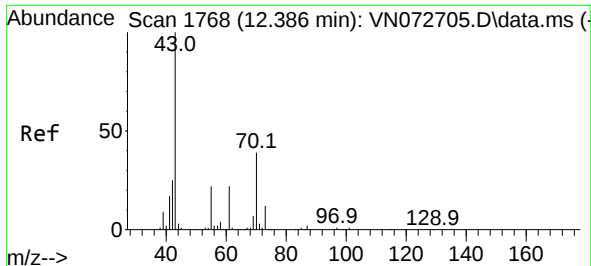
Ion Ratio Lower Upper

152 100

115 66.9 28.9 86.7

150 153.5 0.0 356.2

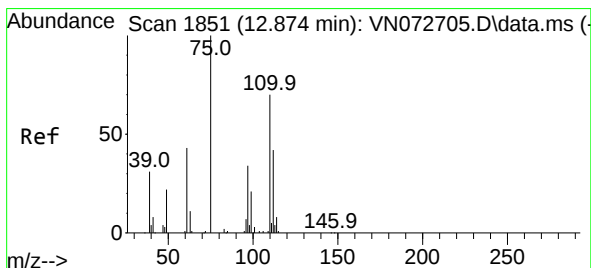
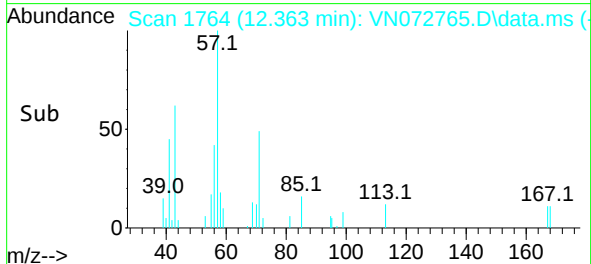
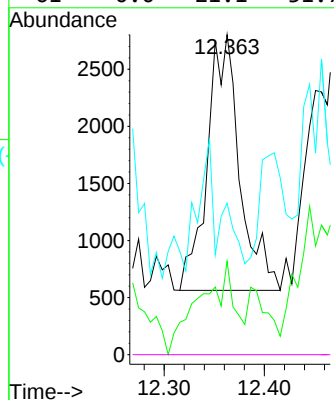
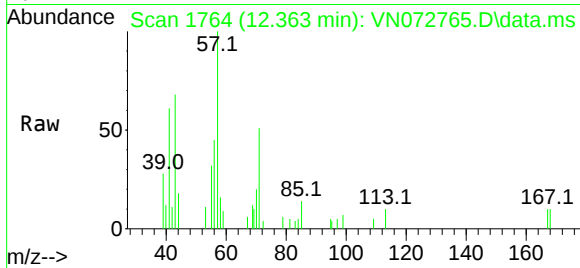




#74
N-ethyl acetate
Concen: 0.751 ug/l
RT: 12.363 min Scan# 1
Delta R.T. -0.023 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

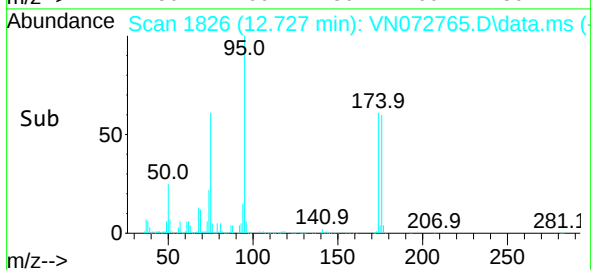
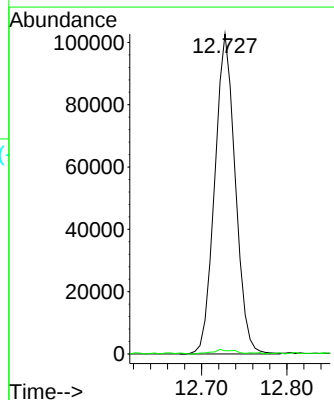
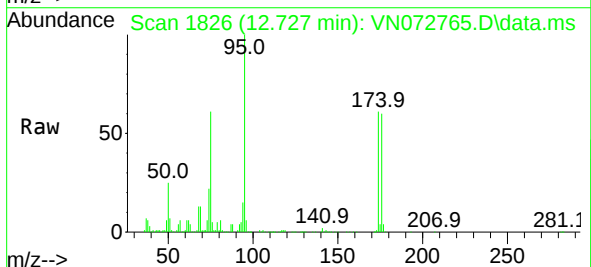
Instrument :
MSVOA_N
ClientSampleId :
MW-3RE

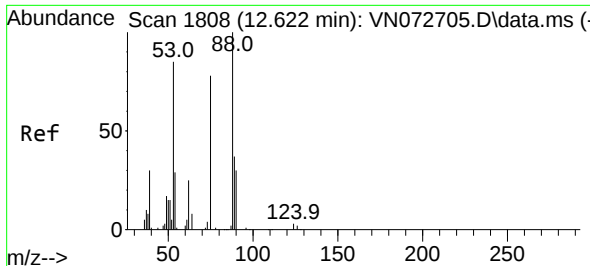
Tgt Ion: 43	Resp: 5046
Ion Ratio	Lower Upper
43 100	
70 39.6	39.0 58.4
55 25.2	21.1 31.7
61 0.0	21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 39.520 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

Tgt Ion: 75	Resp: 171964
Ion Ratio	Lower Upper
75 100	
77 1.5	98.5 295.5#

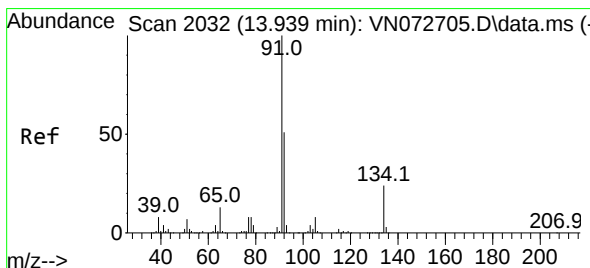
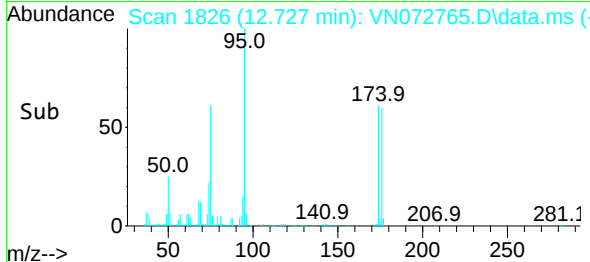
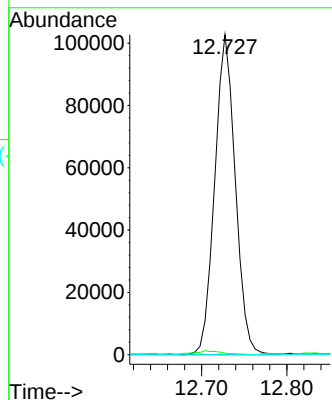
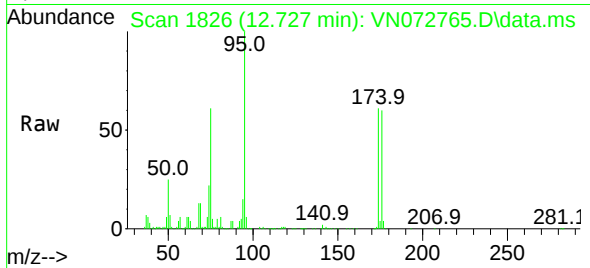




#81
trans-1,4-Dichloro-2-butene
Concen: 103.356 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

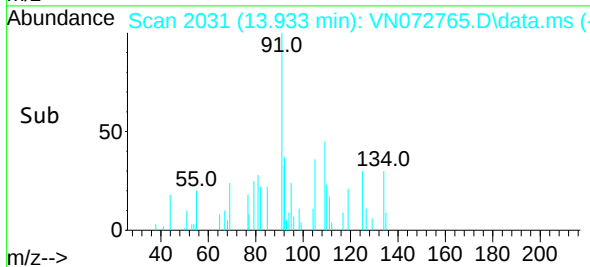
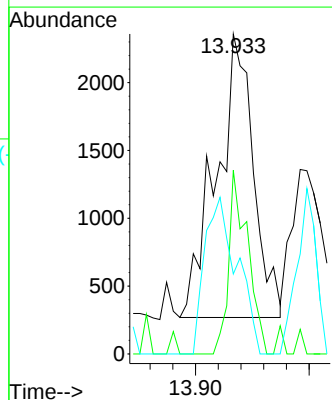
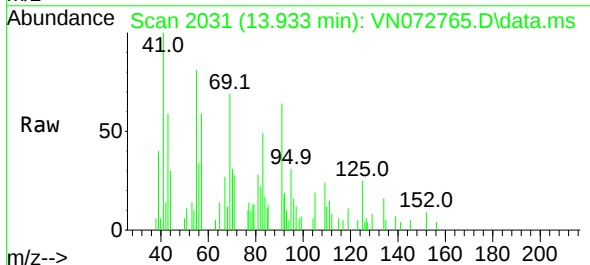
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MSVOA_N
ClientSampleId :
MW-3RE

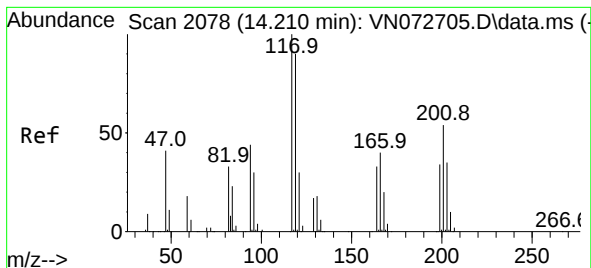
Tgt Ion: 75 Resp: 171964
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#89
n-Butylbenzene
Concen: 0.525 ug/l
RT: 13.933 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VN072765.D
Acq: 10 Jun 2022 15:21

Tgt Ion: 91 Resp: 4724
Ion Ratio Lower Upper
91 100
92 33.3 26.9 80.7
134 48.4 13.6 40.8#





#90

Hexachloroethane

Concen: 0.250 ug/l

RT: 14.210 min Scan# 2078

Delta R.T. -0.000 min

Lab File: VN072765.D

Acq: 10 Jun 2022 15:21

Instrument :

MSVOA_N

ClientSampleId :

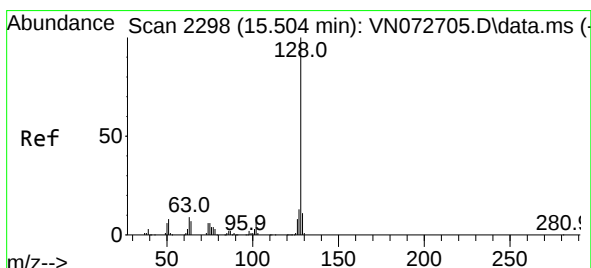
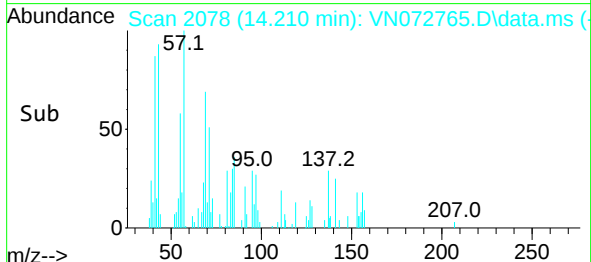
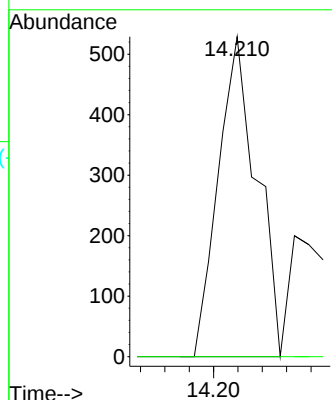
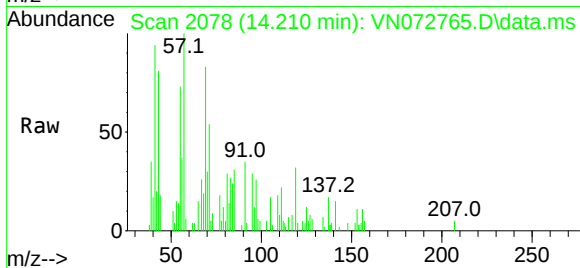
MW-3RE

Tgt Ion:117 Resp: 577

Ion Ratio Lower Upper

117 100

201 0.0 40.6 122.0#



#95

Naphthalene

Concen: 0.293 ug/l

RT: 15.504 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VN072765.D

Acq: 10 Jun 2022 15:21

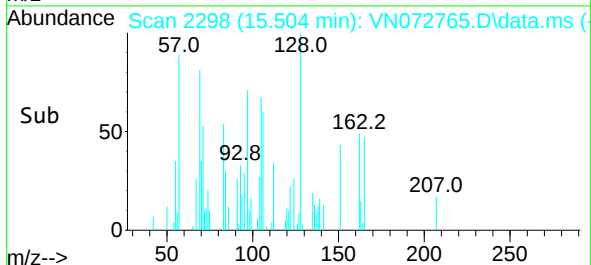
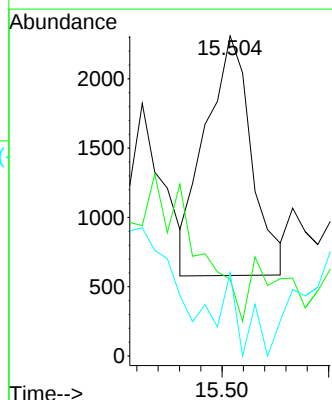
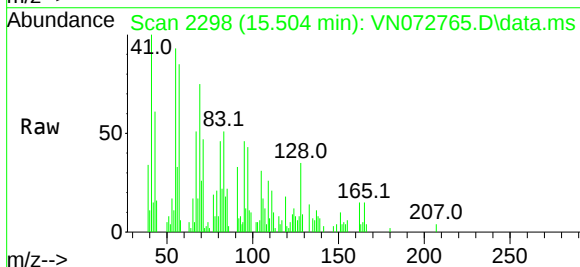
Tgt Ion:128 Resp: 2600

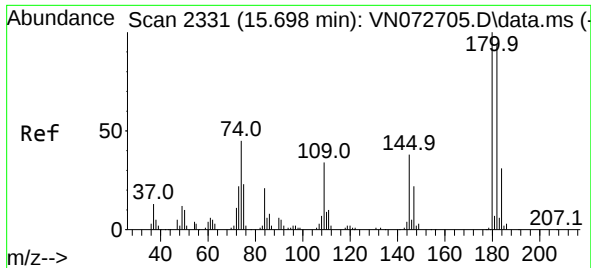
Ion Ratio Lower Upper

128 100

127 19.6 10.3 15.5#

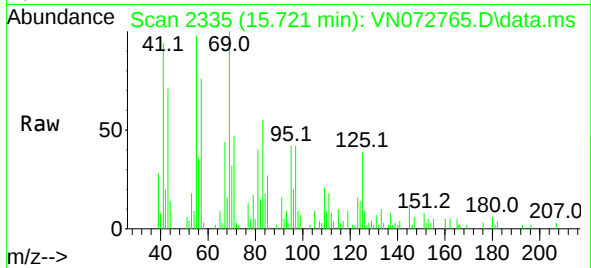
129 0.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.337 ug/l
 RT: 15.721 min Scan# 21
 Delta R.T. 0.023 min
 Lab File: VN072765.D
 Acq: 10 Jun 2022 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3RE



Tgt Ion	Ratio	Lower	Upper
180	100		
182	19.2	47.8	143.3#
145	0.0	15.5	46.5#

