

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091322\
 Data File : VN074440.D
 Acq On : 13 Sep 2022 18:06
 Operator : JC\MD
 Sample : N4492-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14B-43-48-090122

Quant Time: Sep 14 08:03:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

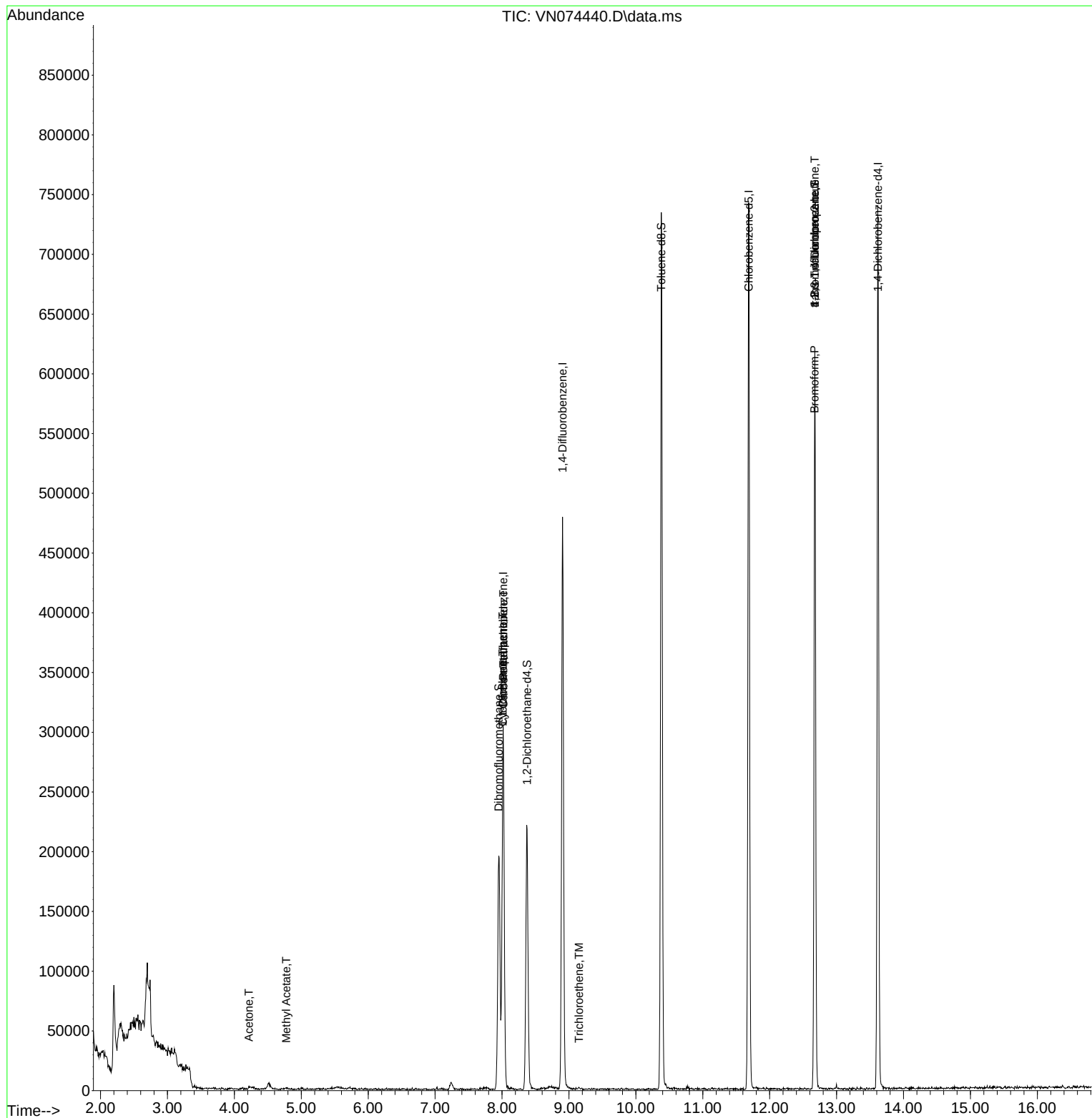
Internal Standards						
1) Pentafluorobenzene	8.016	168	197878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	371309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	363964	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	165195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	170324	49.750	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.500%
35) Dibromofluoromethane	7.951	113	134059	53.480	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.960%
50) Toluene-d8	10.381	98	463022	47.406	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.820%
62) 4-Bromofluorobenzene	12.675	95	177255	49.985	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.980%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1498	Below Cal	#	45
6) Chloroethane	3.016	64	3219	Below Cal	#	42
16) Acetone	4.216	43	1289	0.697	ug/l	96
18) Methyl Acetate	4.775	43	2989	0.549	ug/l #	62
20) Methylene Chloride	5.016	84	201	Below Cal	#	60
28) Bromochloromethane	7.622	49	68	Below Cal	#	20
31) Cyclohexane	8.010	56	6535	1.200	ug/l #	37
36) 1,1-Dichloropropene	8.010	75	19759	4.785	ug/l #	50
38) Carbon Tetrachloride	8.022	117	24222	5.681	ug/l #	14
44) Trichloroethene	9.151	130	655	0.231	ug/l	78
71) Bromoform	12.669	173	1227	0.478	ug/l #	29
74) N-amyl acetate	12.339	43	65	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.675	75	117918	27.305	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.675	75	117918	60.863	ug/l #	9
92) 1,2-Dibromo-3-Chloropr...	14.533	75	73	Below Cal	#	8

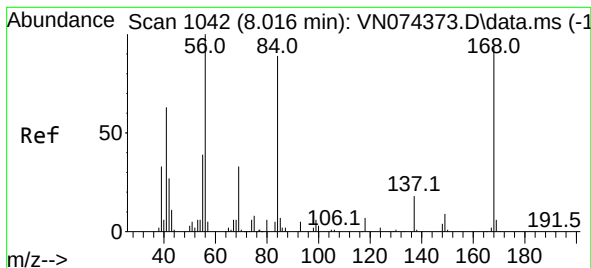
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.016 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074440.D

Acq: 13 Sep 2022 18:06

Instrument :

MSVOA_N

ClientSampleId :

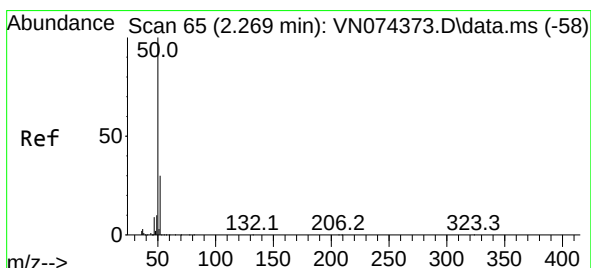
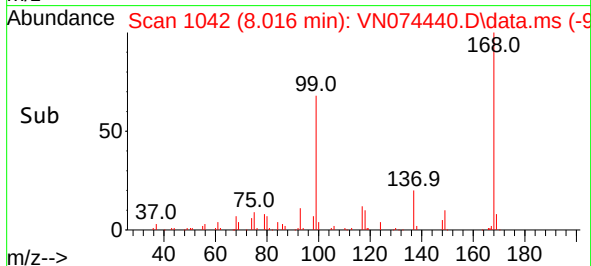
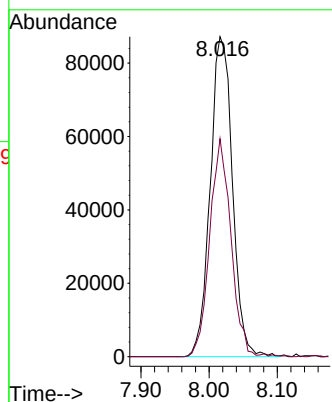
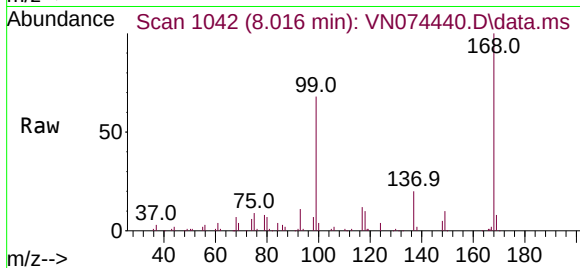
MW-14B-43-48-090122

Tgt Ion:168 Resp: 197878

Ion Ratio Lower Upper

168 100

99 68.1 52.8 79.2



#3

Chloromethane

Concen: Below Cal

RT: 2.263 min Scan# 64

Delta R.T. -0.006 min

Lab File: VN074440.D

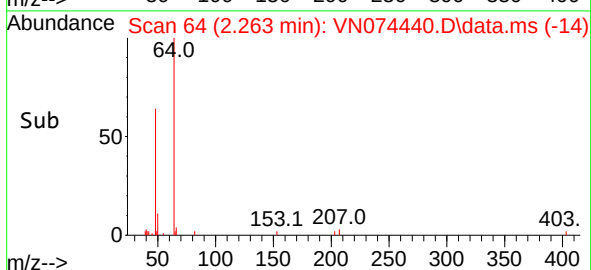
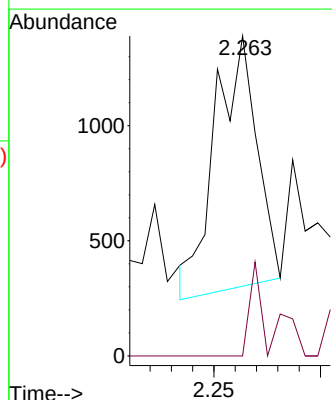
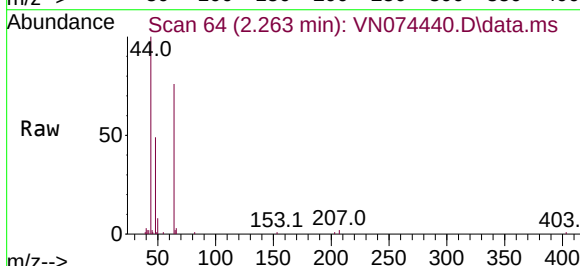
Acq: 13 Sep 2022 18:06

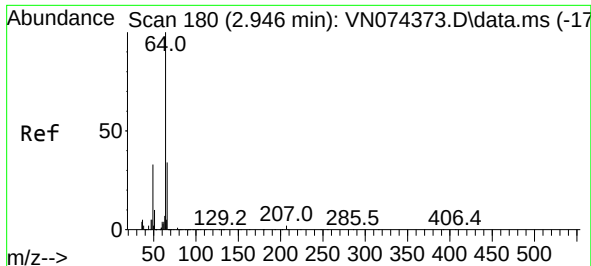
Tgt Ion: 50 Resp: 1498

Ion Ratio Lower Upper

50 100

52 0.0 24.1 36.1#

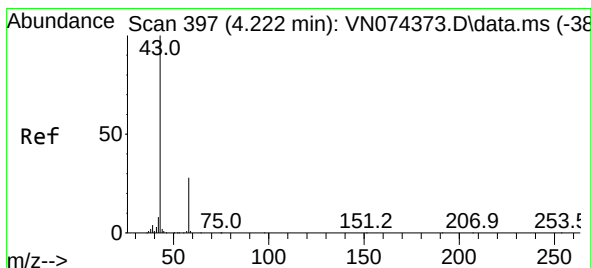
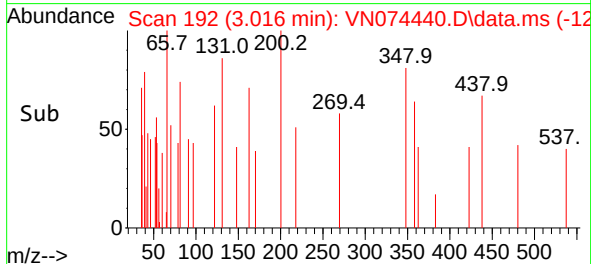
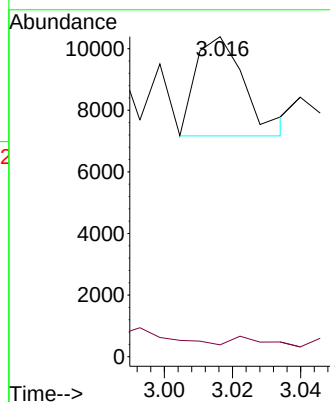
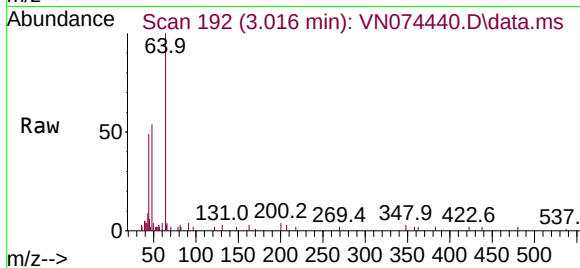




#6
Chloroethane
Concen: Below Cal
RT: 3.016 min Scan# 192
Delta R.T. 0.070 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

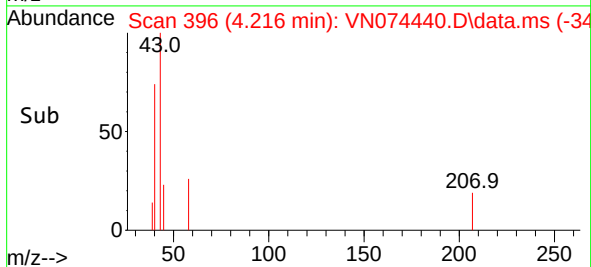
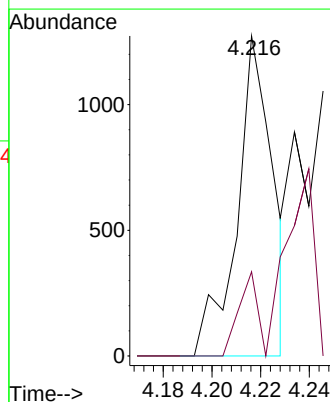
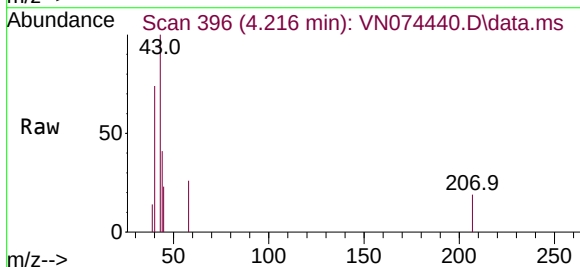
Instrument :
MSVOA_N
ClientSampleId :
MW-14B-43-48-090122

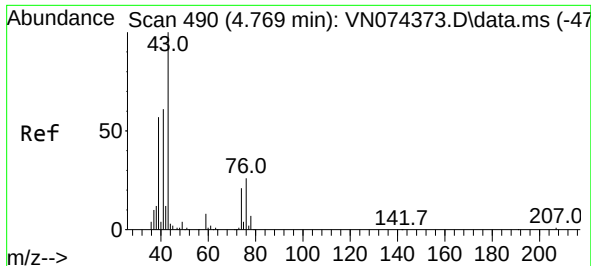
Tgt Ion: 64 Resp: 3219
Ion Ratio Lower Upper
64 100
66 0.0 26.5 39.7#



#16
Acetone
Concen: 0.697 ug/l
RT: 4.216 min Scan# 396
Delta R.T. -0.006 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

Tgt Ion: 43 Resp: 1289
Ion Ratio Lower Upper
43 100
58 26.3 22.7 34.1

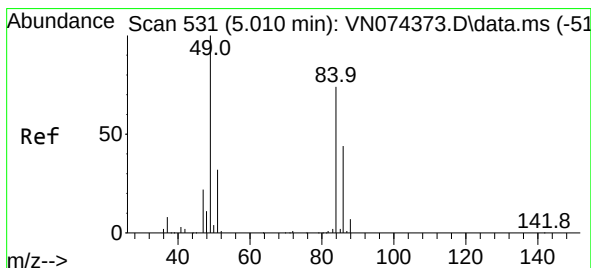
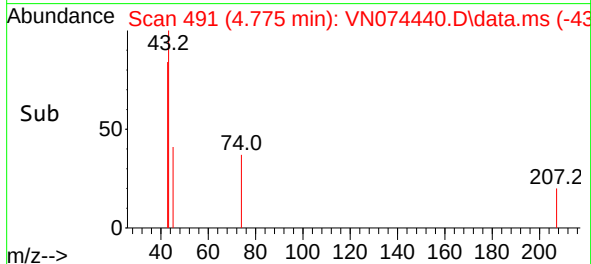
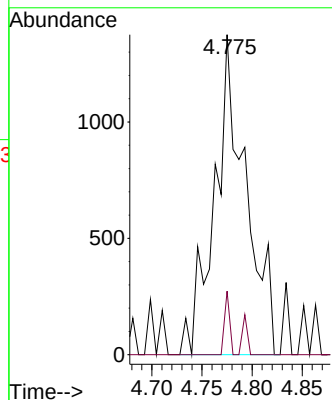
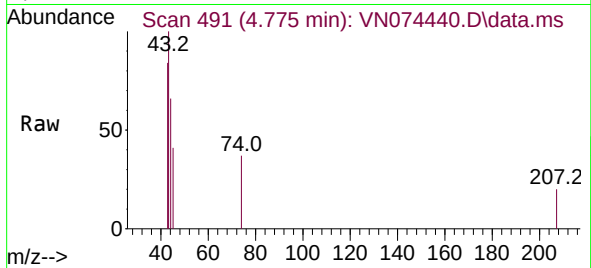




#18
Methyl Acetate
Concen: 0.549 ug/l
RT: 4.775 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

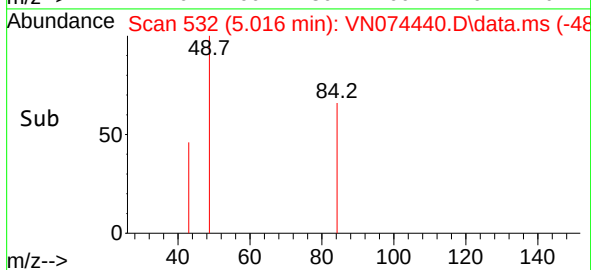
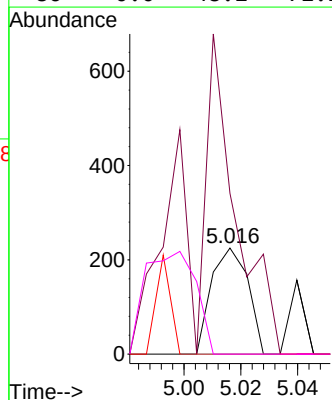
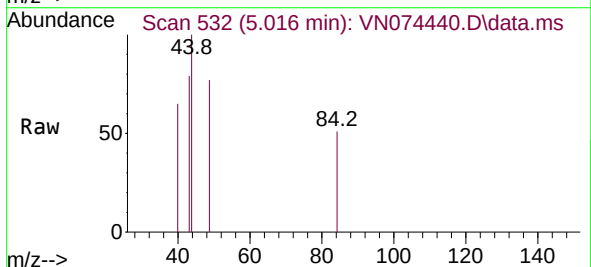
Instrument :
MSVOA_N
ClientSampleId :
MW-14B-43-48-090122

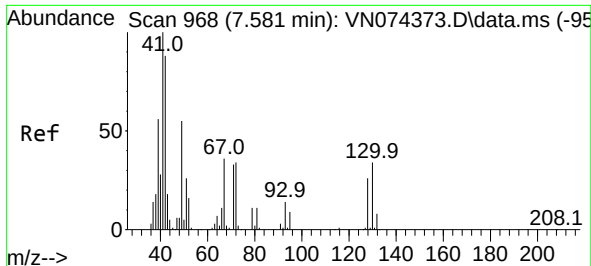
Tgt Ion: 43 Resp: 2989
Ion Ratio Lower Upper
43 100
74 3.2 16.7 25.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

Tgt Ion: 84 Resp: 201
Ion Ratio Lower Upper
84 100
49 151.6 108.2 162.4
51 0.0 34.3 51.5#
86 0.0 48.2 72.2#

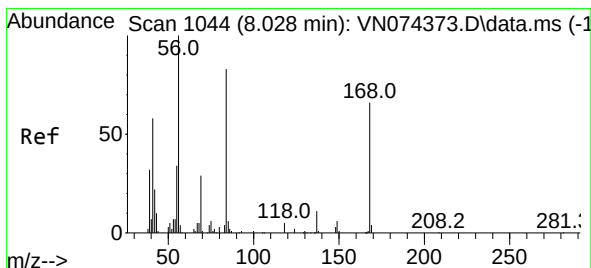
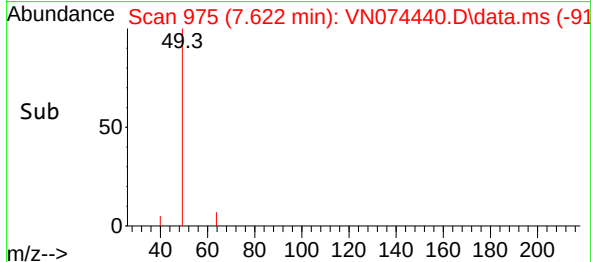
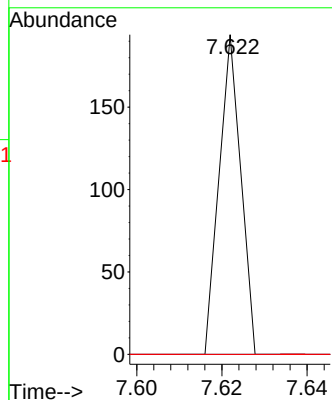
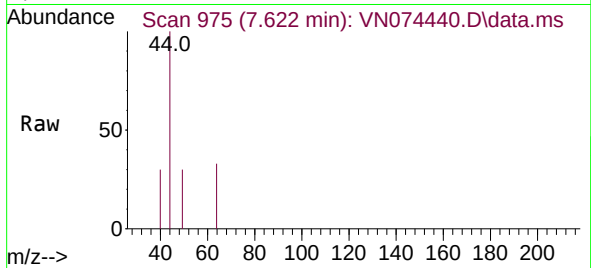




#28
Bromochloromethane
Concen: Below Cal
RT: 7.622 min Scan# 91
Delta R.T. 0.041 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

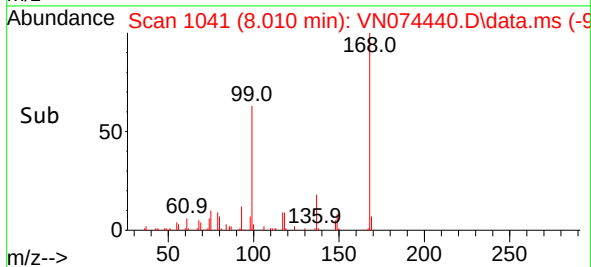
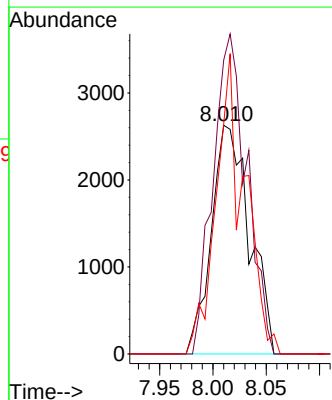
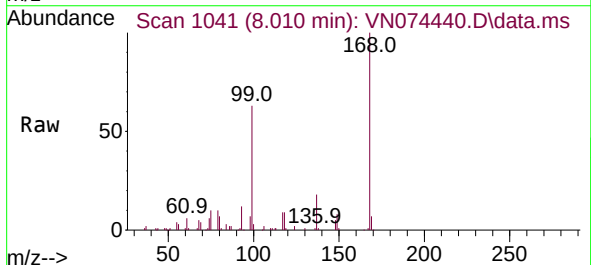
Instrument :
MSVOA_N
ClientSampleId :
MW-14B-43-48-090122

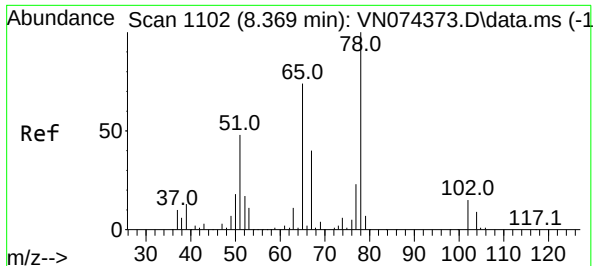
Tgt Ion: 49 Resp: 68
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 50.0 75.0#



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.017 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

Tgt Ion: 56 Resp: 6535
Ion Ratio Lower Upper
56 100
69 128.5 23.0 34.4#
84 100.6 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 49.750 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN074440.D

Acq: 13 Sep 2022 18:06

Instrument :

MSVOA_N

ClientSampleId :

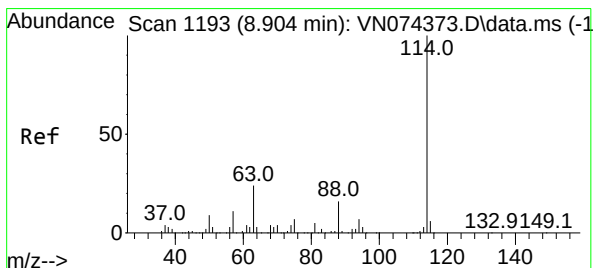
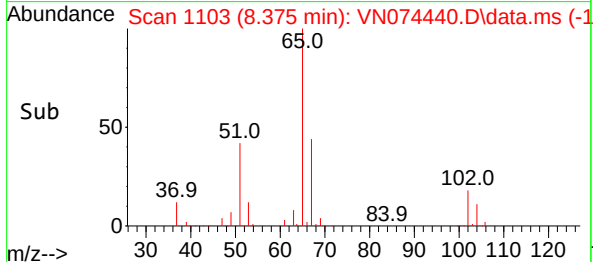
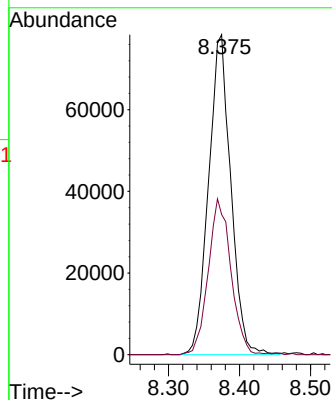
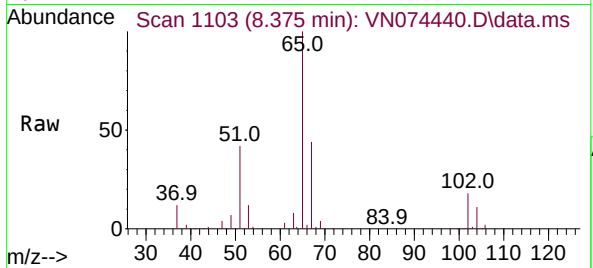
MW-14B-43-48-090122

Tgt Ion: 65 Resp: 170324

Ion Ratio Lower Upper

65 100

67 49.8 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074440.D

Acq: 13 Sep 2022 18:06

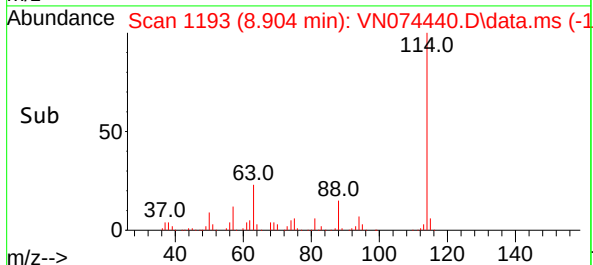
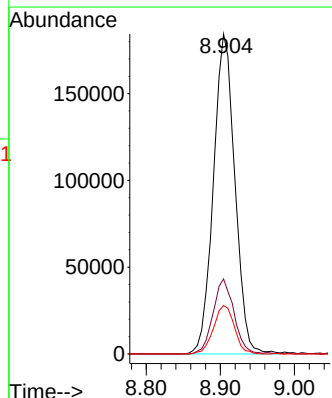
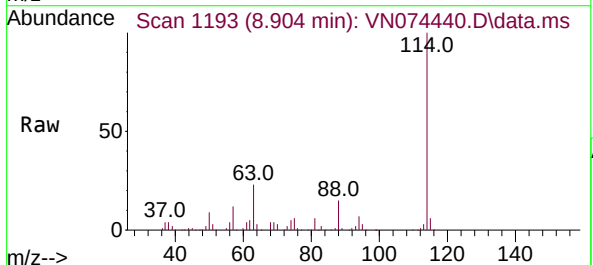
Tgt Ion: 114 Resp: 371309

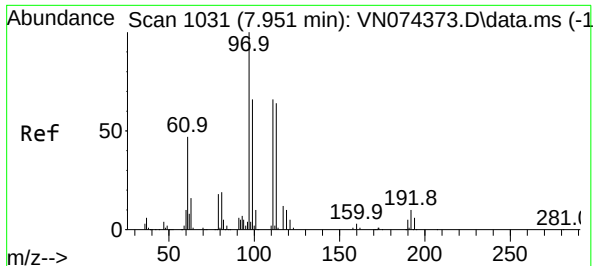
Ion Ratio Lower Upper

114 100

63 23.4 0.0 47.6

88 15.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.480 ug/l

RT: 7.951 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VN074440.D

Acq: 13 Sep 2022 18:06

Instrument :

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ClientSampleId :

MW-14B-43-48-090122

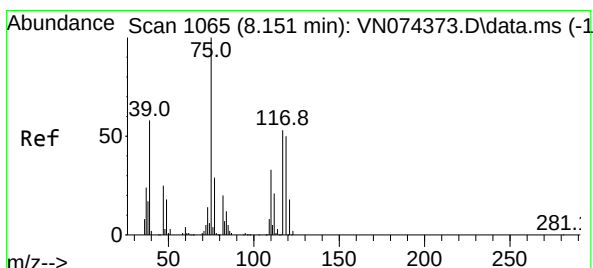
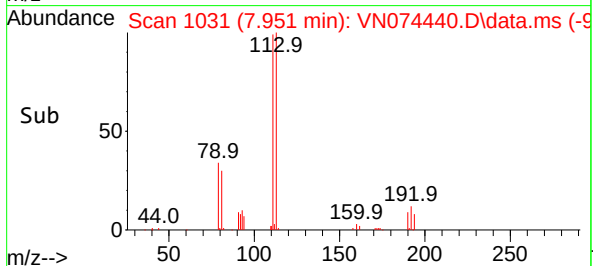
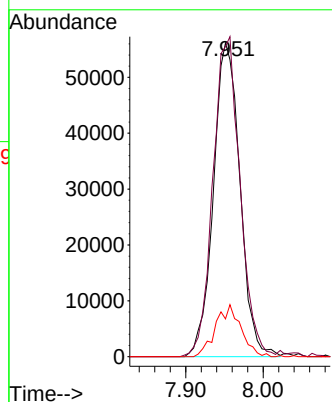
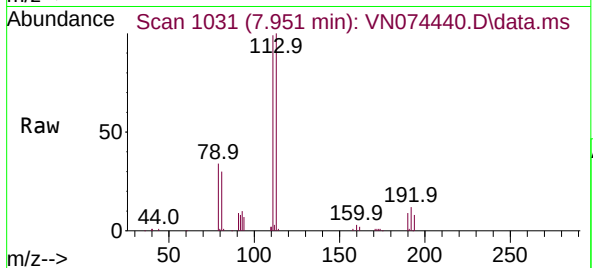
Tgt Ion:113 Resp: 134059

Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.4

192 15.8 13.7 20.5



#36

1,1-Dichloropropene

Concen: 4.785 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN074440.D

Acq: 13 Sep 2022 18:06

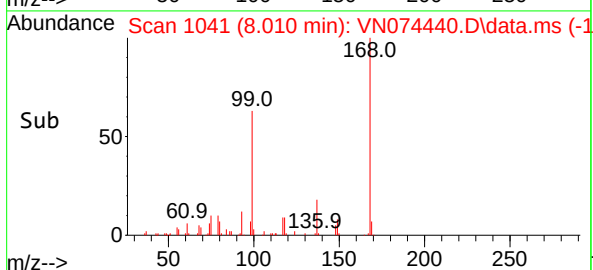
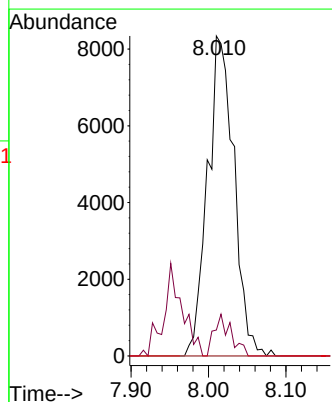
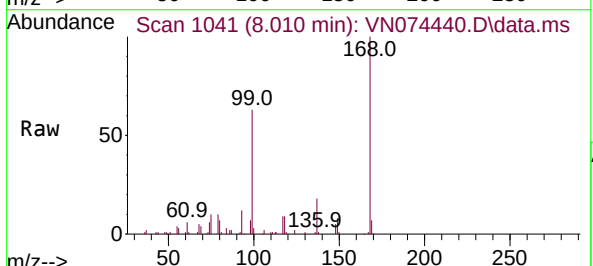
Tgt Ion: 75 Resp: 19759

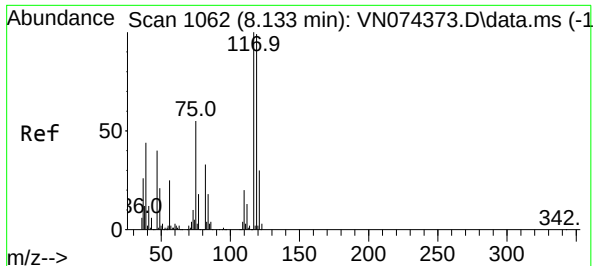
Ion Ratio Lower Upper

75 100

110 8.3 16.4 49.1#

77 0.0 25.4 38.2#

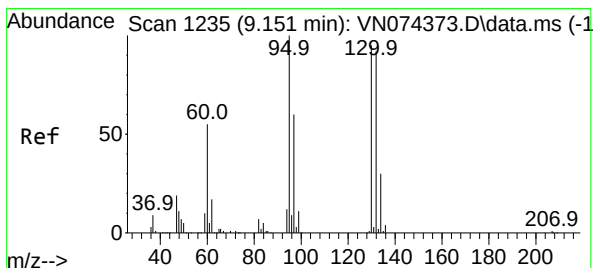
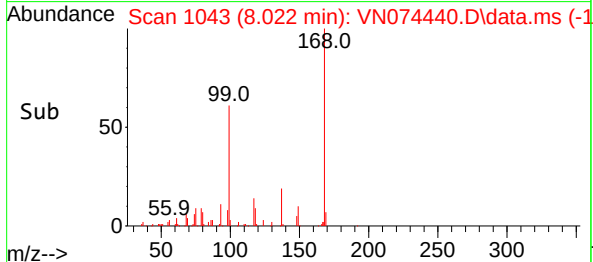
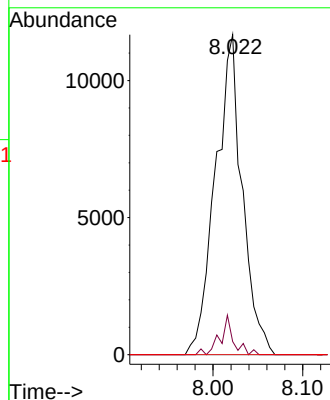
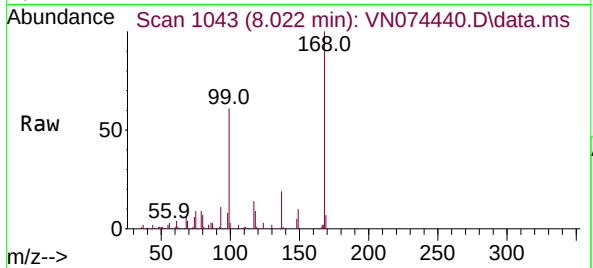




#38
Carbon Tetrachloride
Concen: 5.681 ug/l
RT: 8.022 min Scan# 117
Delta R.T. -0.112 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

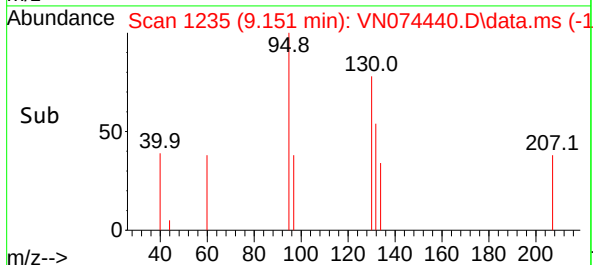
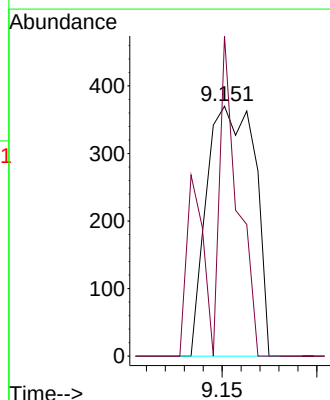
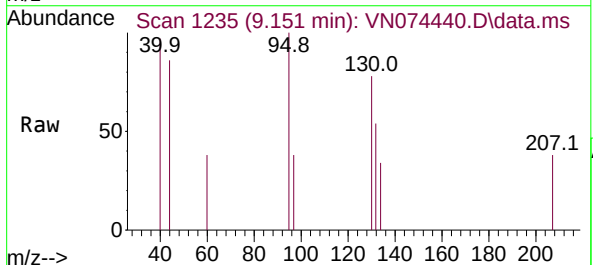
Instrument :
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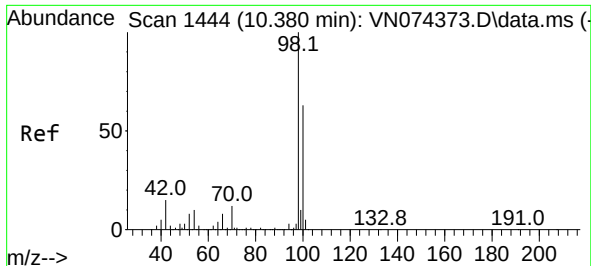
Tgt Ion:117 Resp: 24222
Ion Ratio Lower Upper
117 100
119 4.1 78.8 118.2#
121 0.0 24.1 36.1#



#44
Trichloroethene
Concen: 0.231 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

Tgt Ion:130 Resp: 655
Ion Ratio Lower Upper
130 100
95 128.1 0.0 210.0

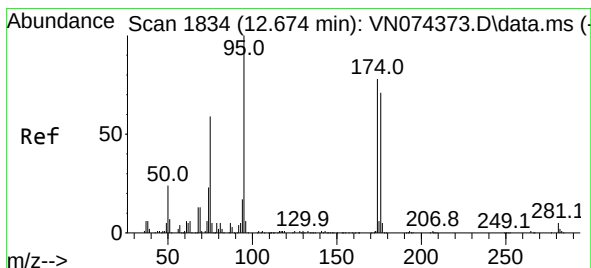
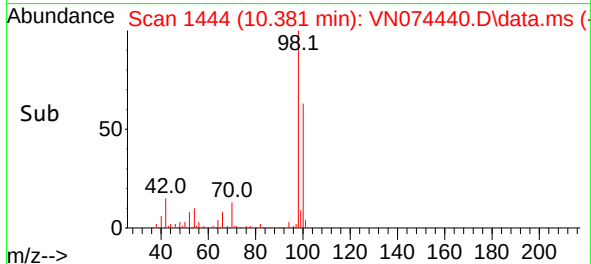
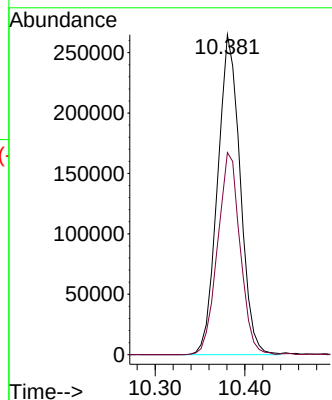
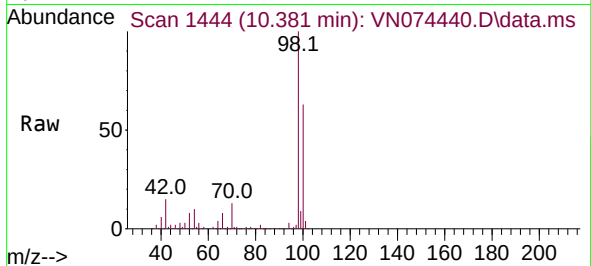




#50
Toluene-d8
Concen: 47.406 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

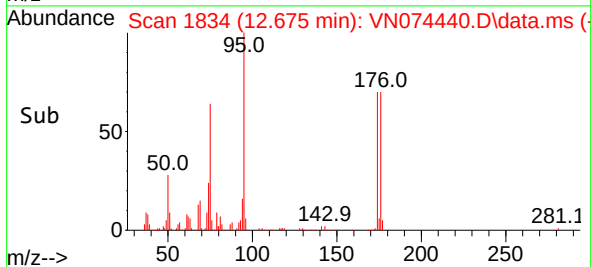
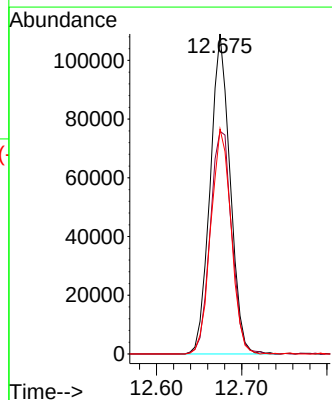
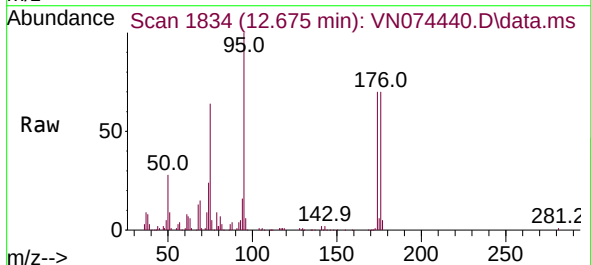
Instrument :
MSVOA_N
ClientSampleId :
MW-14B-43-48-090122

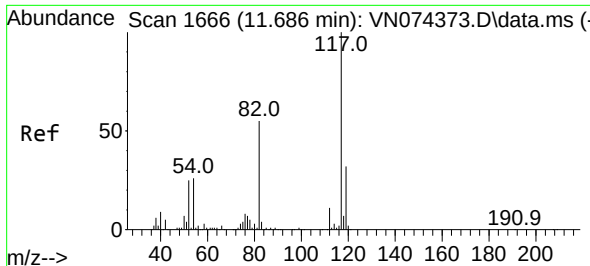
Tgt Ion: 98 Resp: 463022
Ion Ratio Lower Upper
98 100
100 63.0 50.6 76.0



#62
4-Bromofluorobenzene
Concen: 49.985 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

Tgt Ion: 95 Resp: 177255
Ion Ratio Lower Upper
95 100
174 75.3 0.0 150.6
176 71.7 0.0 143.4

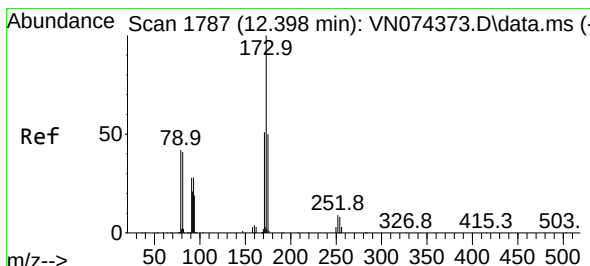
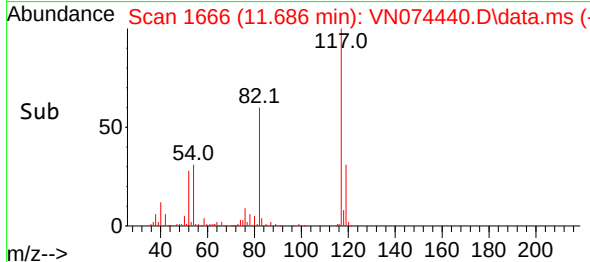
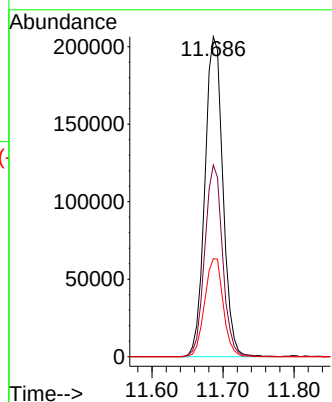
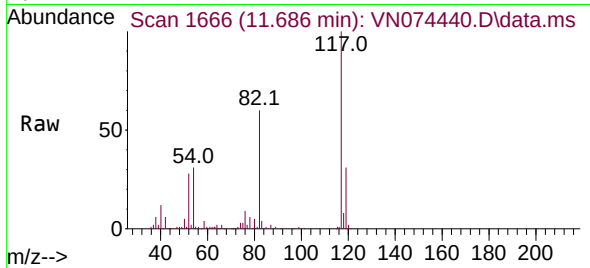




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

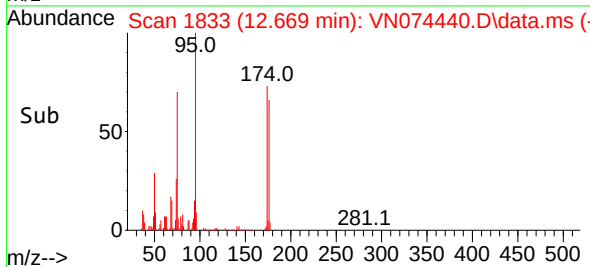
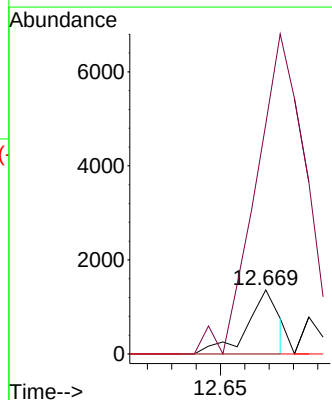
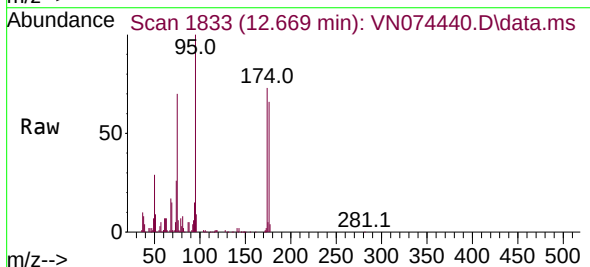
Instrument :
MSVOA_N
ClientSampleId :
MW-14B-43-48-090122

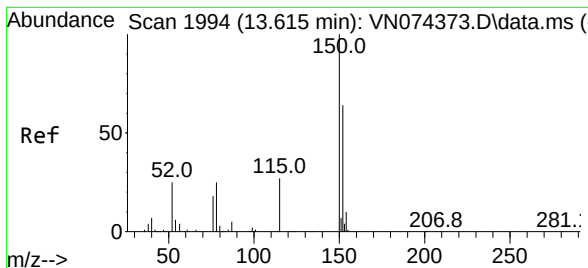
Tgt Ion:117 Resp: 363964
Ion Ratio Lower Upper
117 100
82 59.9 44.3 66.5
119 30.6 25.5 38.3



#71
Bromoform
Concen: 0.478 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

Tgt Ion:173 Resp: 1227
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.001 min

Lab File: VN074440.D

Acq: 13 Sep 2022 18:06

Instrument :

MSVOA_N

ClientSampleId :

MW-14B-43-48-090122

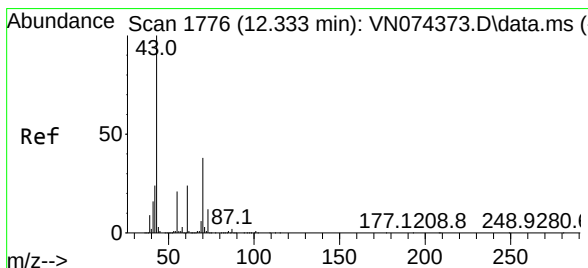
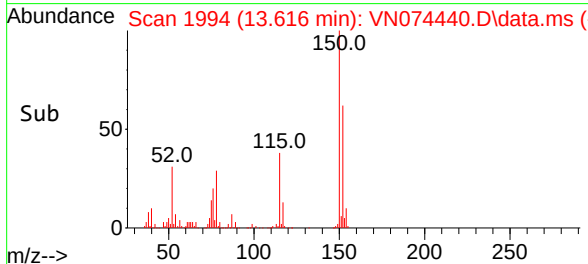
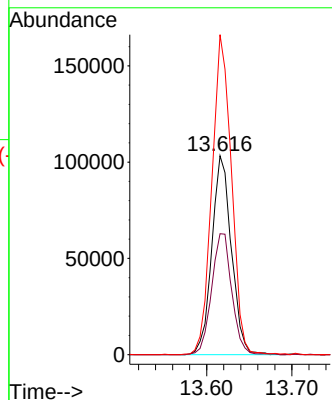
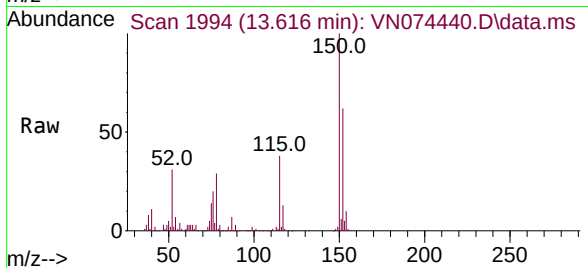
Tgt Ion:152 Resp: 165195

Ion Ratio Lower Upper

152 100

115 62.4 32.0 96.0

150 160.1 0.0 359.6



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.339 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VN074440.D

Acq: 13 Sep 2022 18:06

Tgt Ion: 43 Resp: 65

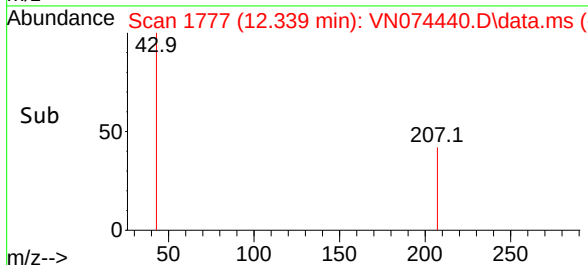
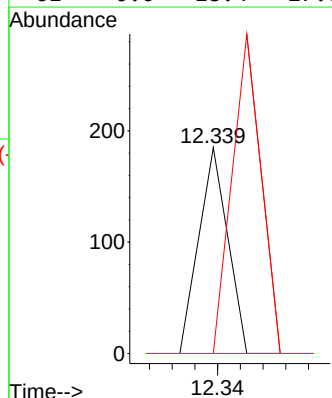
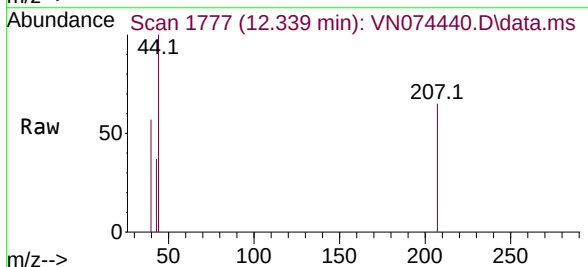
Ion Ratio Lower Upper

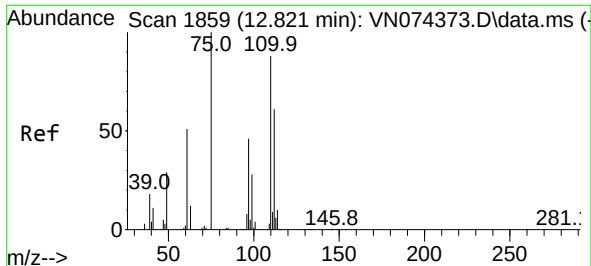
43 100

70 0.0 31.4 47.0#

55 155.4 17.0 25.6#

61 0.0 18.4 27.6#

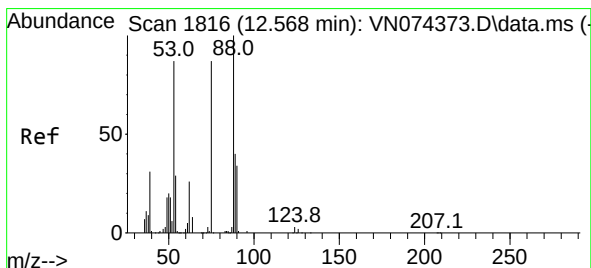
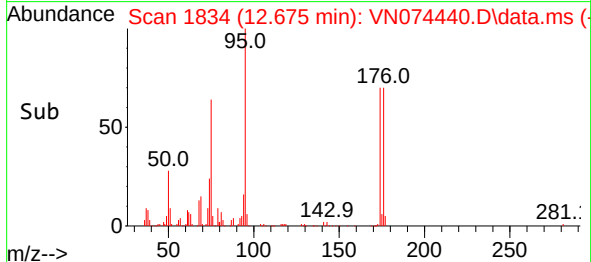
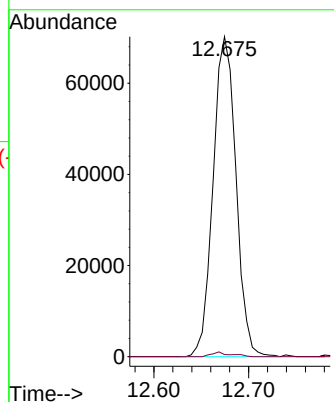
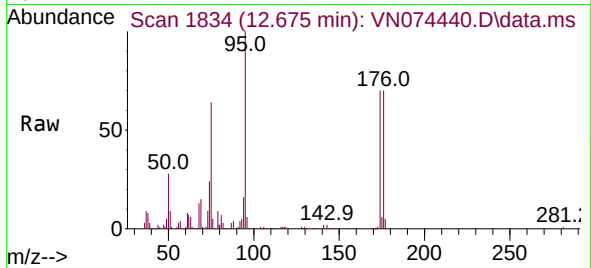




#76
1,2,3-Trichloropropane
Concen: 27.305 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

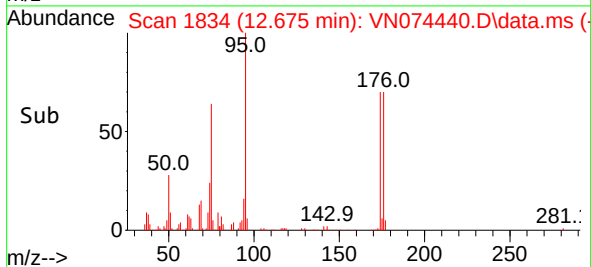
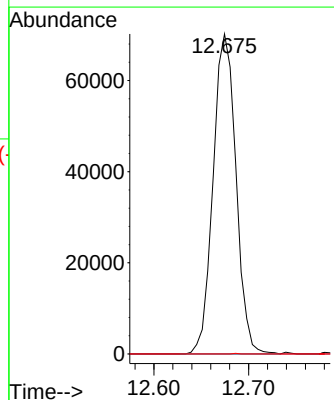
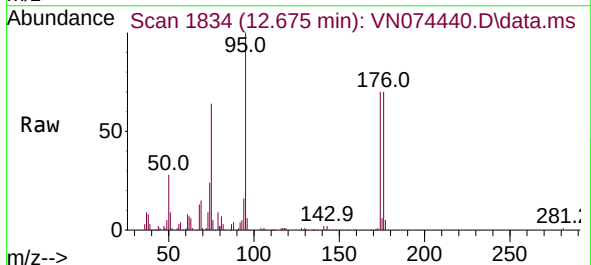
Instrument : MSVOA_N
ClientSampleId : MW-14B-43-48-090122

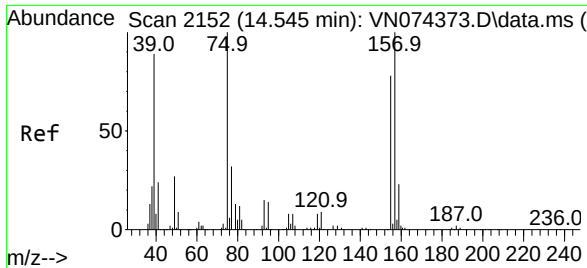
Tgt Ion: 75 Resp: 117918
Ion Ratio Lower Upper
75 100
77 1.2 78.9 236.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.863 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN074440.D
Acq: 13 Sep 2022 18:06

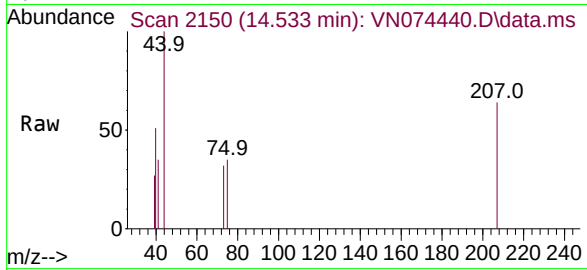
Tgt Ion: 75 Resp: 117918
Ion Ratio Lower Upper
75 100
53 0.0 82.2 123.2#
89 0.0 37.7 56.5#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.533 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN074440.D
 Acq: 13 Sep 2022 18:06

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14B-43-48-090122



Tgt Ion: 75 Resp: 73
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.6 109.9#
 157 0.0 46.2 138.5#

