

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083022\
 Data File : VN074178.D
 Acq On : 30 Aug 2022 20:50
 Operator : JC\MD
 Sample : VN0830WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBL01

Quant Time: Aug 31 07:04:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

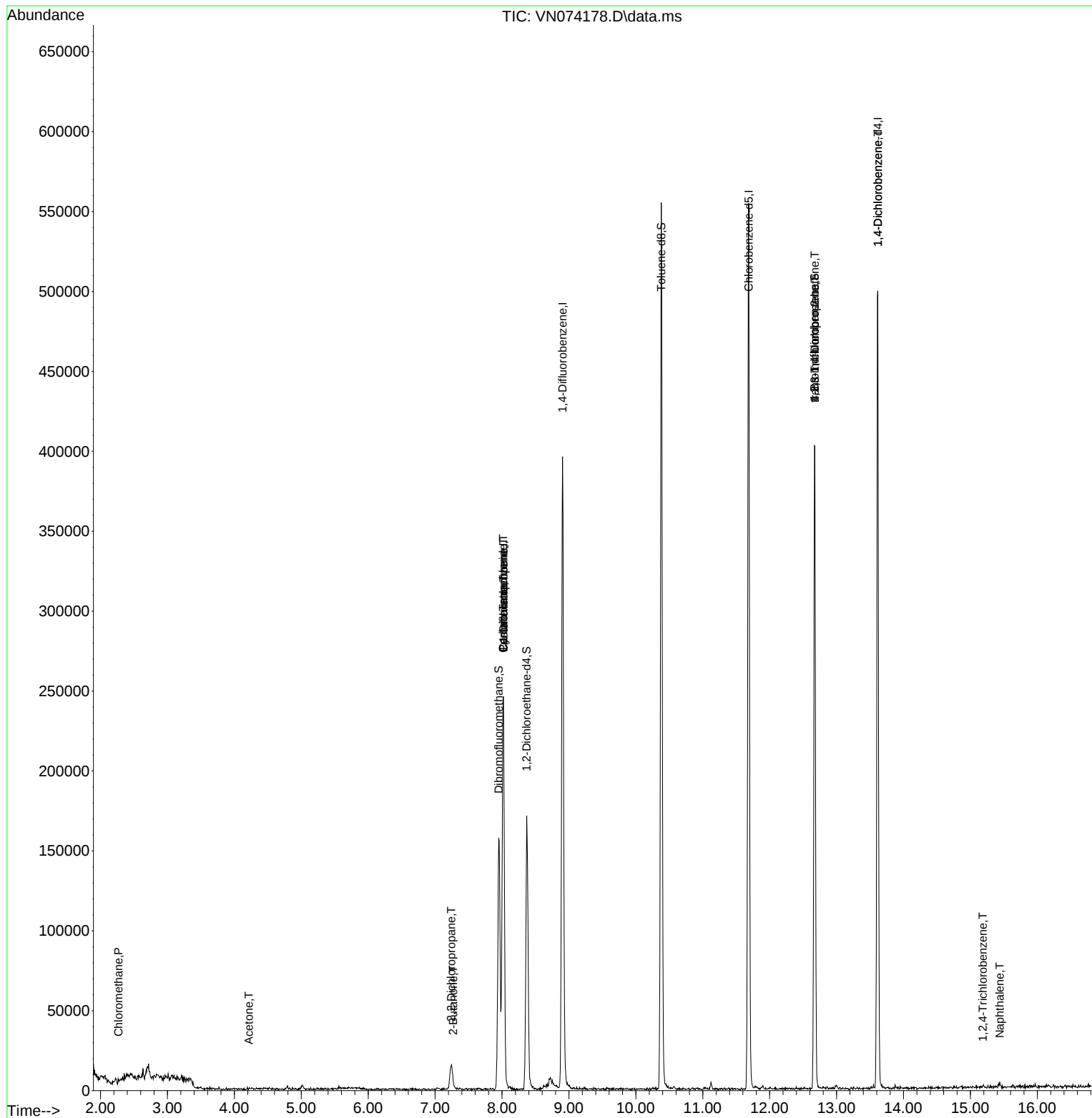
Internal Standards						
1) Pentafluorobenzene	8.022	168	177152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	319232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	301256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	123029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	131781	47.954	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.900%
35) Dibromofluoromethane	7.951	113	113085	54.438	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.880%
50) Toluene-d8	10.381	98	353586	43.222	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	86.440%
62) 4-Bromofluorobenzene	12.669	95	125168	50.313	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.620%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	871	0.337	ug/l #	43
6) Chloroethane	2.946	64	554	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	60	Below Cal	#	72
16) Acetone	4.216	43	459	0.250	ug/l #	42
18) Methyl Acetate	4.793	43	2221	Below Cal	#	53
20) Methylene Chloride	5.016	84	1666	Below Cal	#	80
25) 2-Butanone	7.269	43	760	0.259	ug/l #	45
26) 2,2-Dichloropropane	7.240	77	1257	0.684	ug/l #	53
28) Bromochloromethane	7.604	49	109	Below Cal	#	8
31) Cyclohexane	8.022	56	5694	1.254	ug/l #	51
36) 1,1-Dichloropropene	8.022	75	16296	4.835	ug/l #	50
38) Carbon Tetrachloride	8.016	117	18299	5.979	ug/l #	18
76) 1,2,3-Trichloropropane	12.674	75	74531	24.322	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	74531	62.881	ug/l #	11
88) 1,4-Dichlorobenzene	13.616	146	953	0.210	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.186	180	559	0.247	ug/l	69
95) Naphthalene	15.439	128	2539	1.417	ug/l #	69

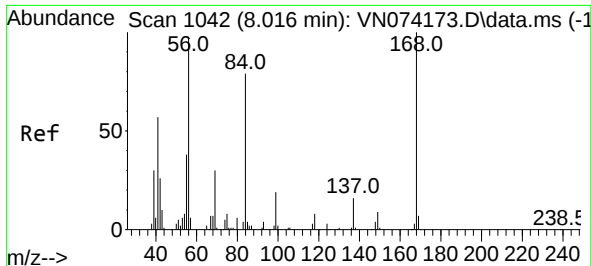
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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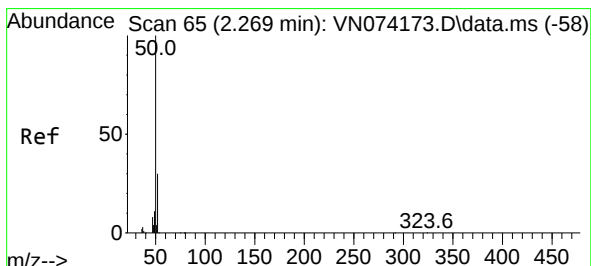
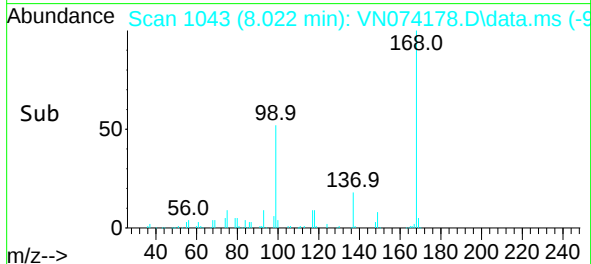
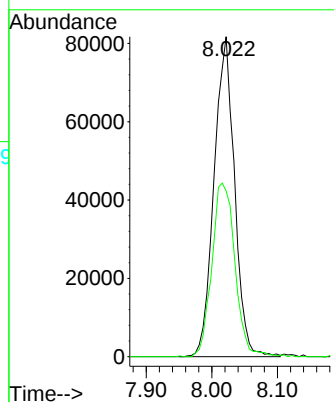
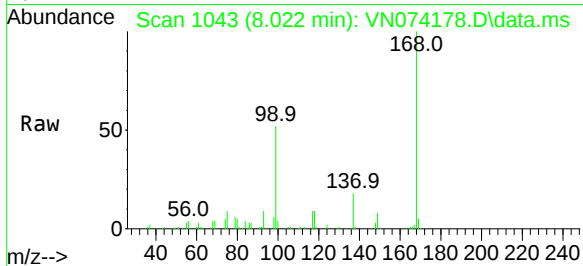




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

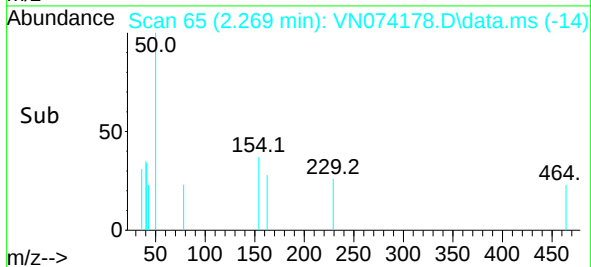
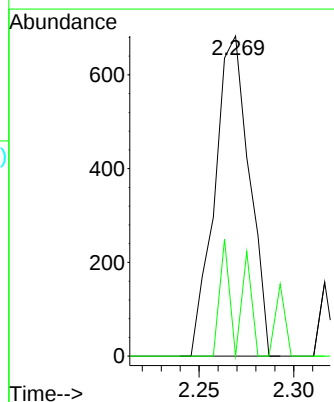
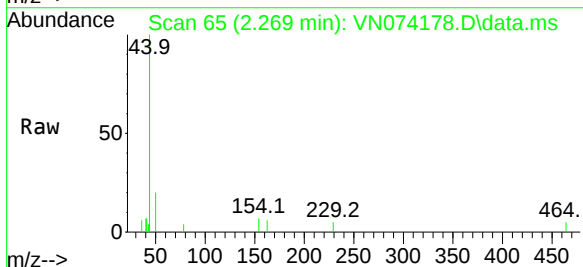
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBL01

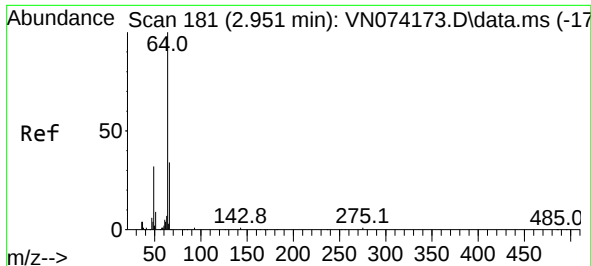
Tgt Ion:168 Resp: 177152
Ion Ratio Lower Upper
168 100
99 51.5 42.3 63.5



#3
Chloromethane
Concen: 0.337 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

Tgt Ion: 50 Resp: 871
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

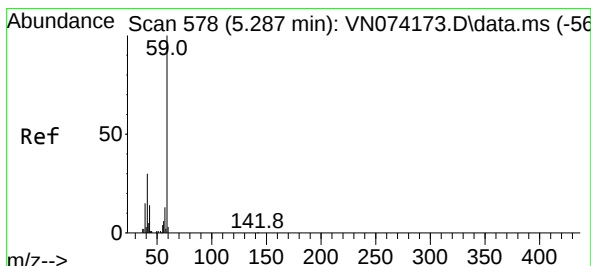
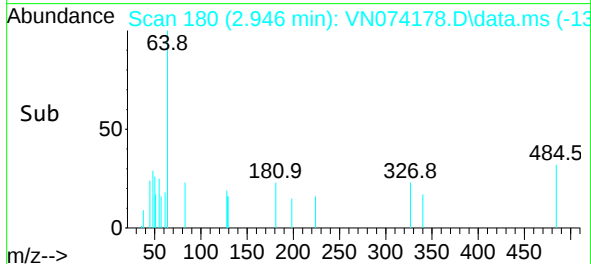
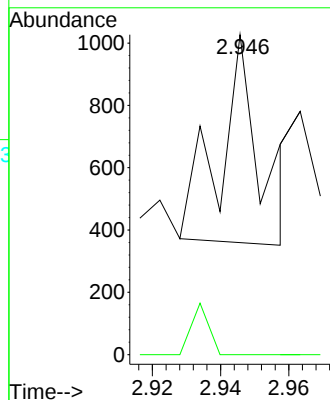
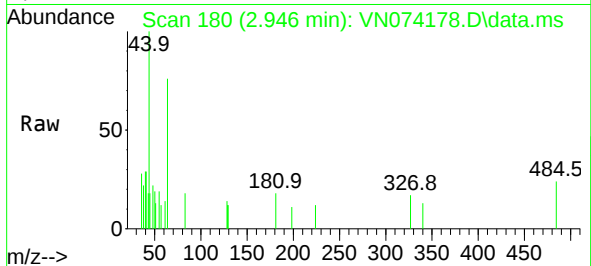




#6
Chloroethane
Concen: Below Cal
RT: 2.946 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

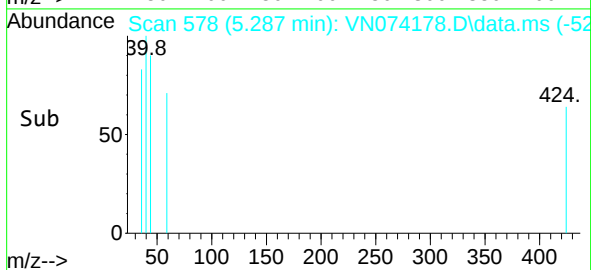
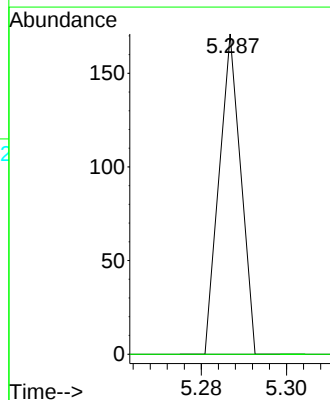
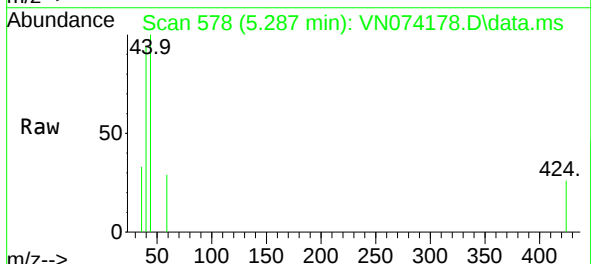
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBL01

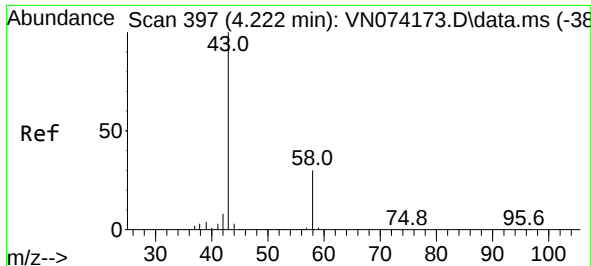
Tgt Ion: 64 Resp: 554
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.287 min Scan# 578
Delta R.T. -0.000 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

Tgt Ion: 59 Resp: 60
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

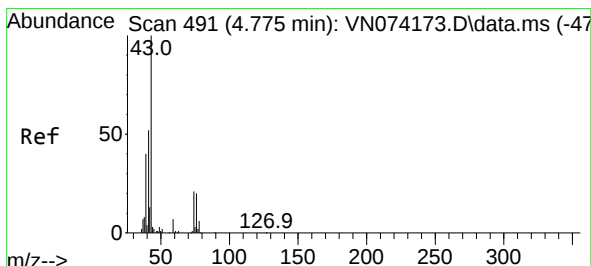
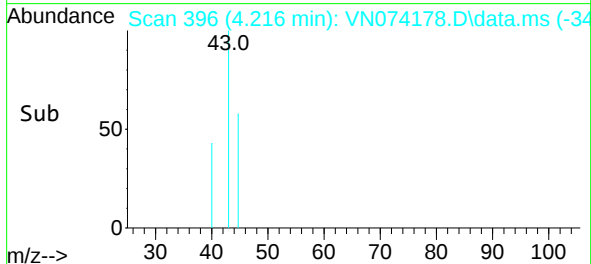
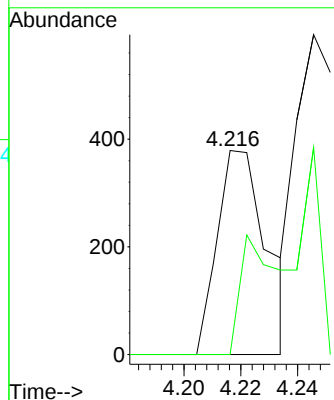
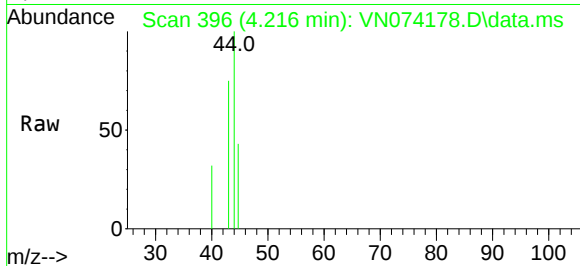




#16
Acetone
Concen: 0.250 ug/l
RT: 4.216 min Scan# 396
Delta R.T. -0.006 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

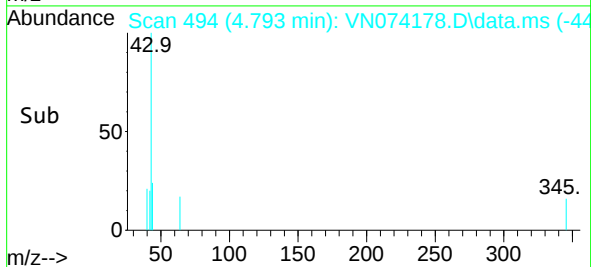
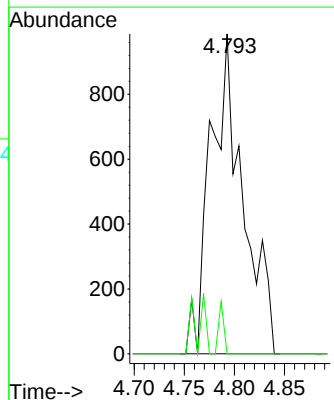
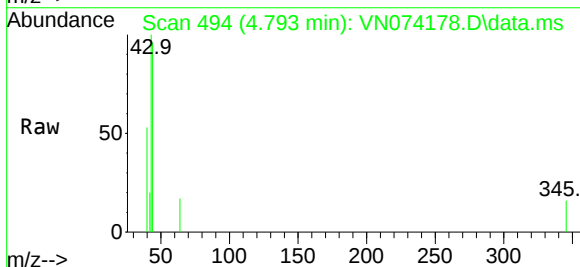
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBL01

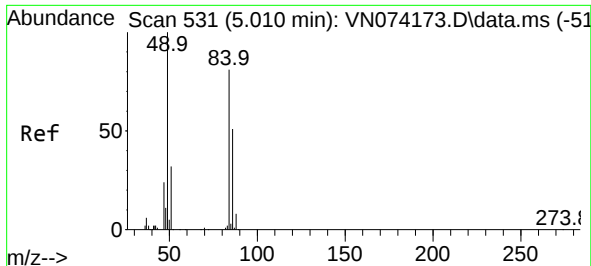
Tgt Ion: 43 Resp: 459
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.793 min Scan# 494
Delta R.T. 0.018 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

Tgt Ion: 43 Resp: 2221
Ion Ratio Lower Upper
43 100
74 2.6 21.6 32.4#

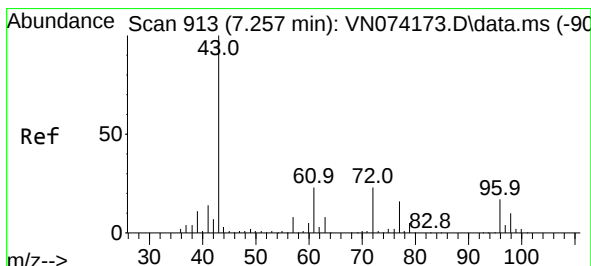
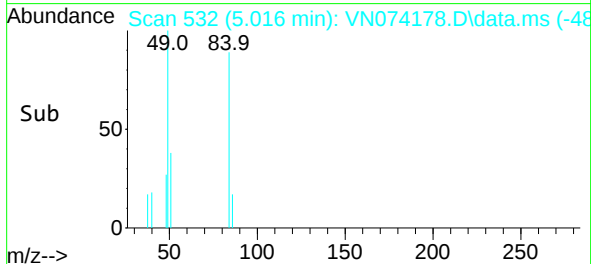
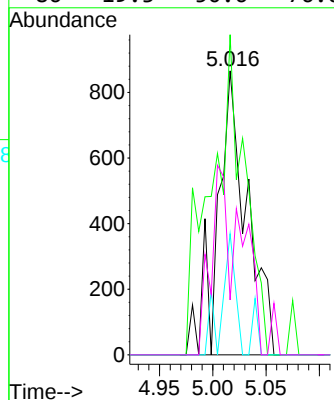
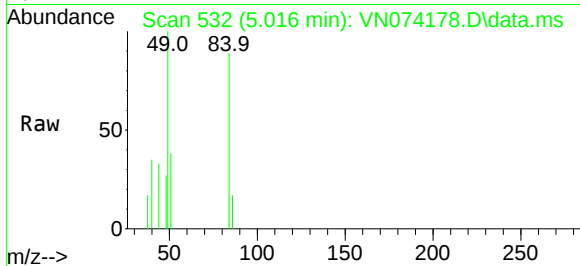




#20
Methylene Chloride
Concen: Below Cal
RT: 5.016 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

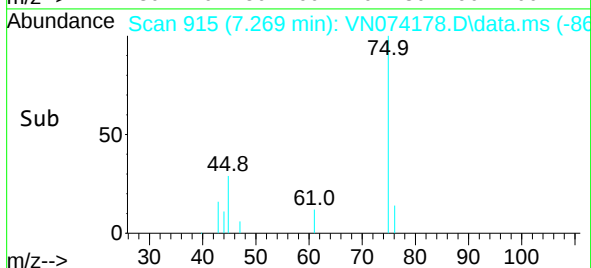
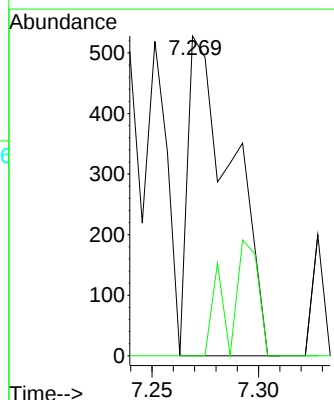
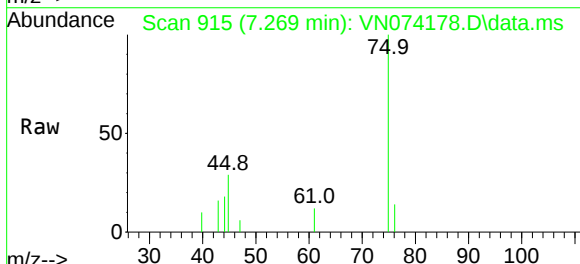
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBL01

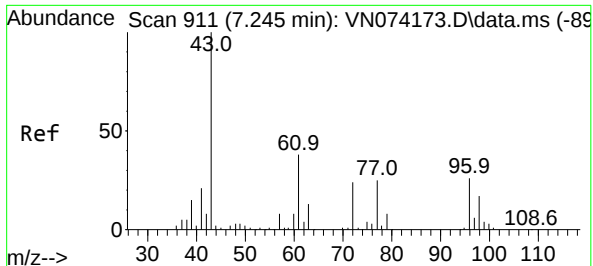
Tgt Ion:	84	Resp:	1666
Ion	Ratio	Lower	Upper
84	100		
49	112.7	88.3	132.5
51	42.6	28.2	42.2#
86	19.3	50.6	76.0#



#25
2-Butanone
Concen: 0.259 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

Tgt Ion:	43	Resp:	760
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#26

2,2-Dichloropropane

Concen: 0.684 ug/l

RT: 7.240 min Scan# 911

Delta R.T. -0.005 min

Lab File: VN074178.D

Acq: 30 Aug 2022 20:50

Instrument :

MSVOA_N

ClientSampleId :

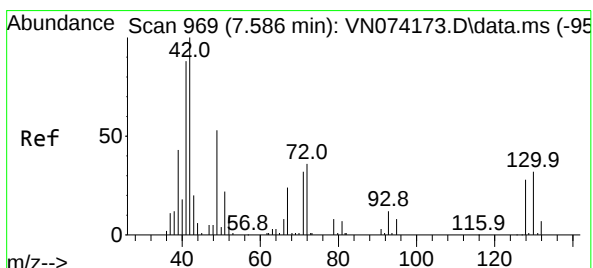
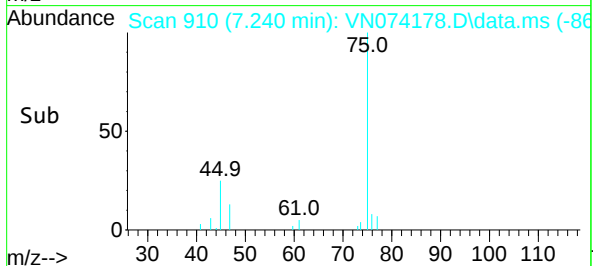
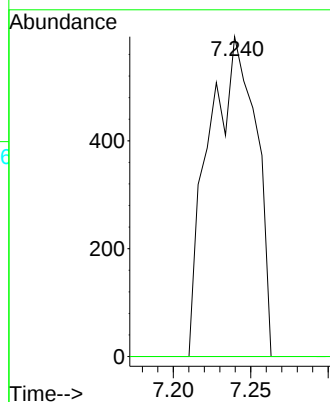
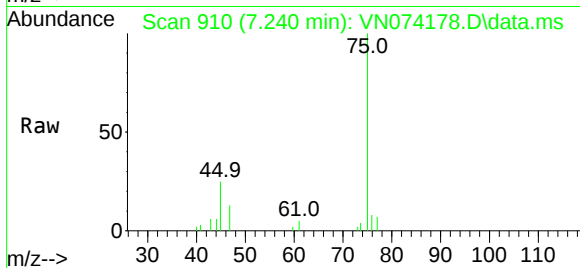
VN0830WBL01

Tgt Ion: 77 Resp: 1257

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#28

Bromochloromethane

Concen: Below Cal

RT: 7.604 min Scan# 972

Delta R.T. 0.018 min

Lab File: VN074178.D

Acq: 30 Aug 2022 20:50

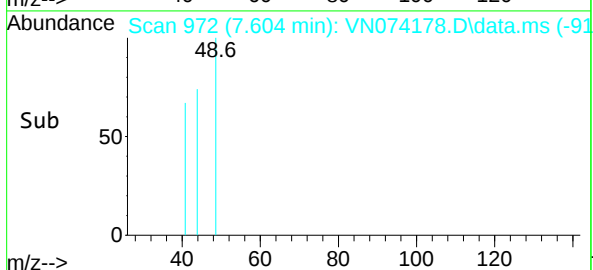
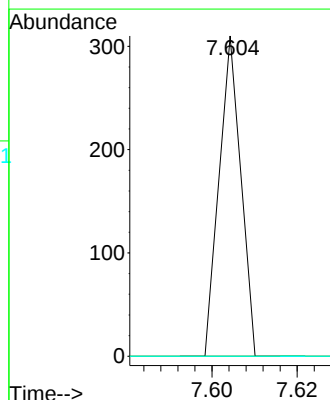
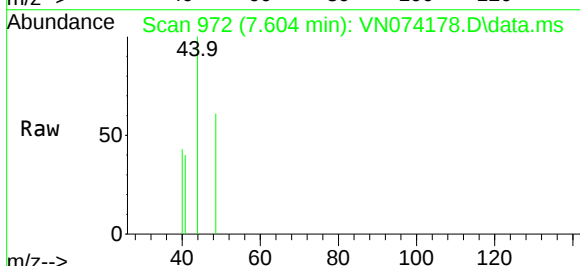
Tgt Ion: 49 Resp: 109

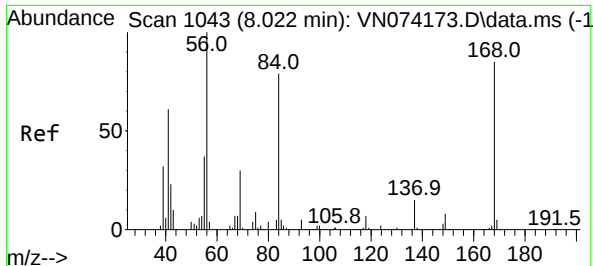
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 69.7 104.5#

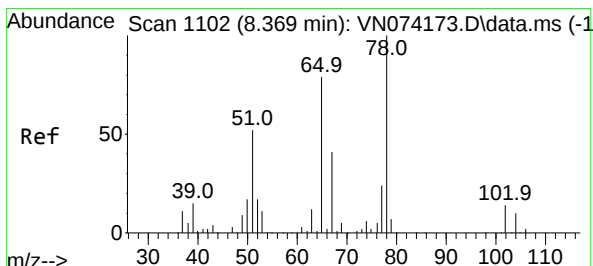
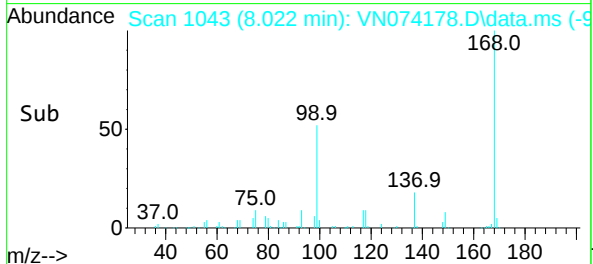
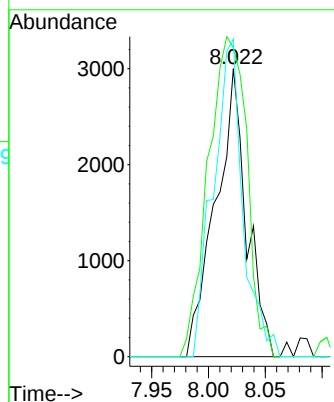
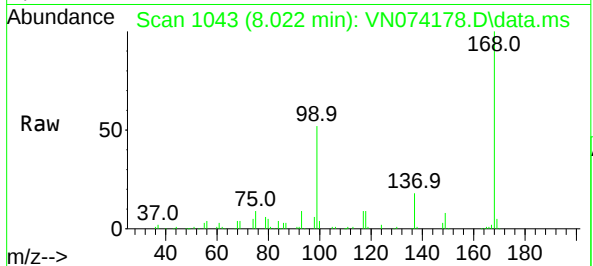




#31
Cyclohexane
Concen: 1.254 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

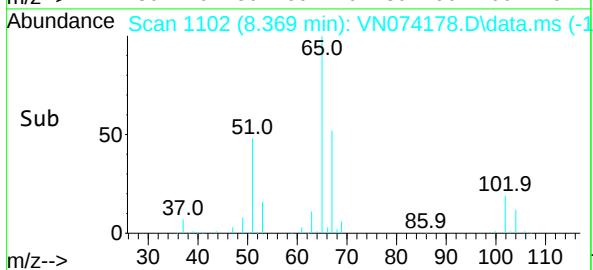
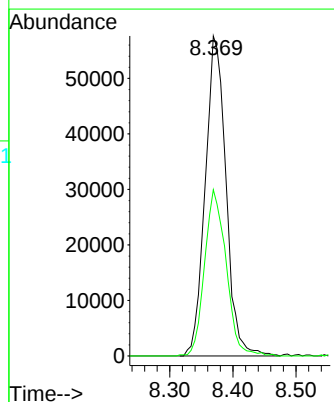
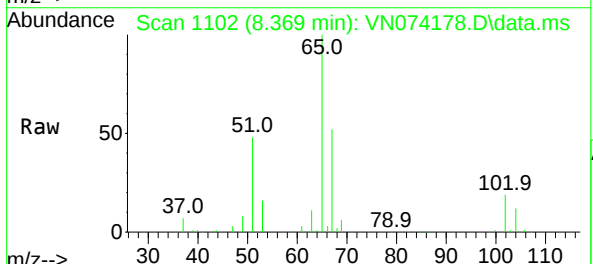
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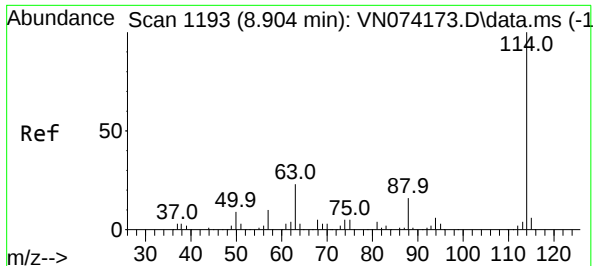
Tgt Ion: 56 Resp: 5694
Ion Ratio Lower Upper
56 100
69 107.3 27.8 41.8#
84 116.6 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.954 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

Tgt Ion: 65 Resp: 131781
Ion Ratio Lower Upper
65 100
67 53.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074178.D

Acq: 30 Aug 2022 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBL01

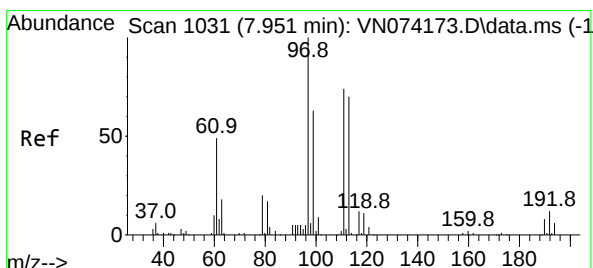
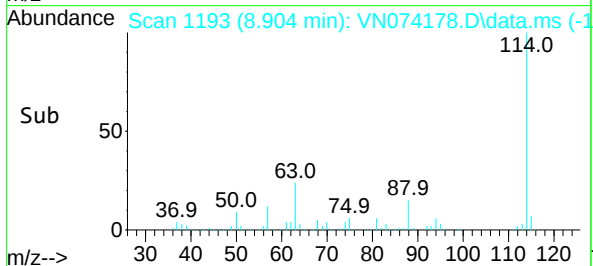
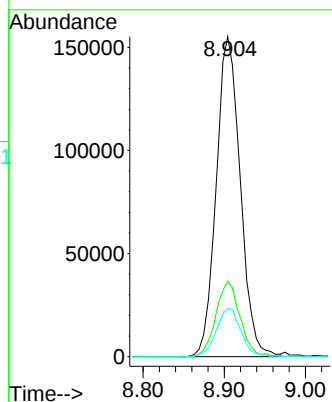
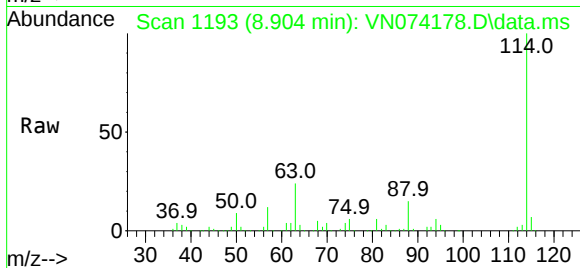
Tgt Ion:114 Resp: 319232

Ion Ratio Lower Upper

114 100

63 23.6 0.0 40.0

88 15.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.438 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN074178.D

Acq: 30 Aug 2022 20:50

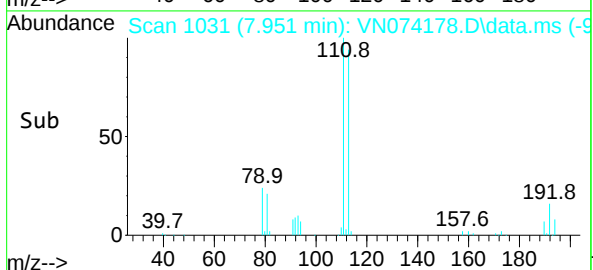
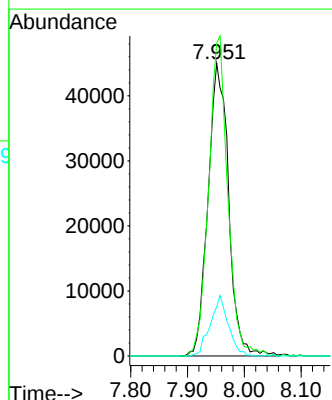
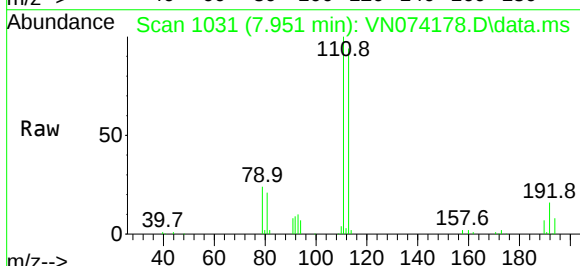
Tgt Ion:113 Resp: 113085

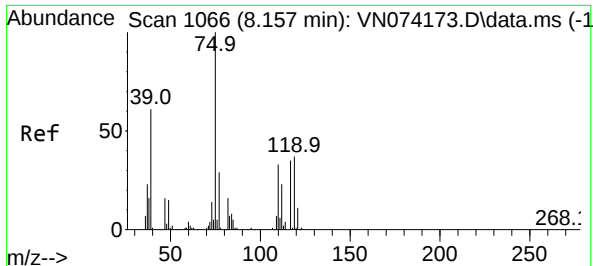
Ion Ratio Lower Upper

113 100

111 101.5 81.4 122.0

192 18.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.835 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.135 min

Lab File: VN074178.D

Acq: 30 Aug 2022 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBL01

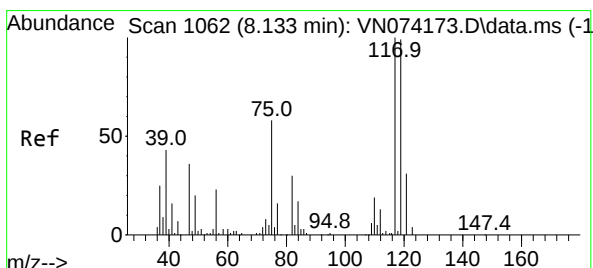
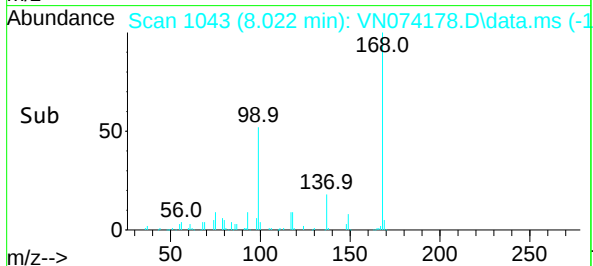
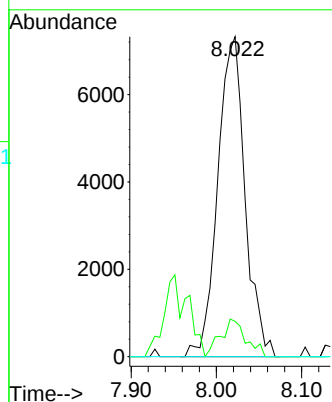
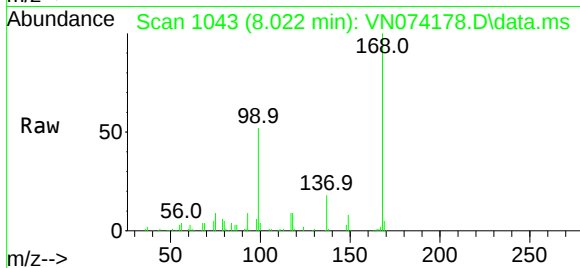
Tgt Ion: 75 Resp: 16296

Ion Ratio Lower Upper

75 100

110 10.9 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.979 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.117 min

Lab File: VN074178.D

Acq: 30 Aug 2022 20:50

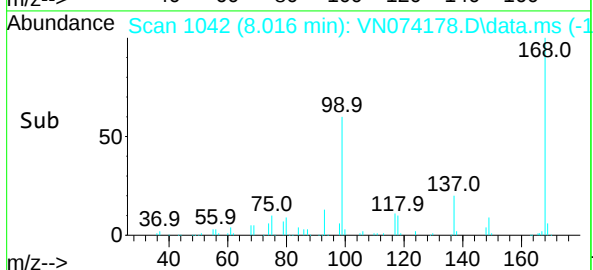
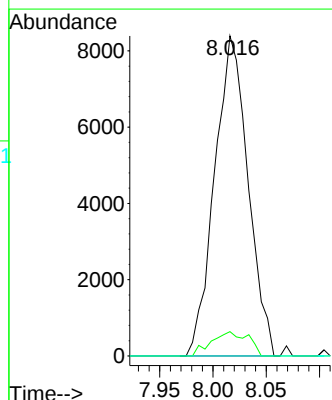
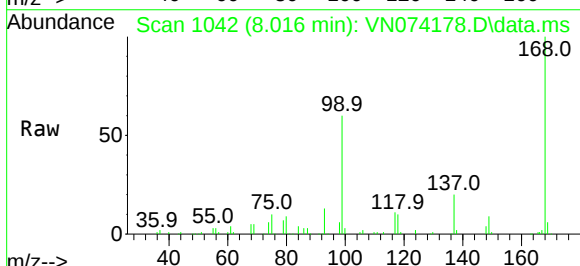
Tgt Ion: 117 Resp: 18299

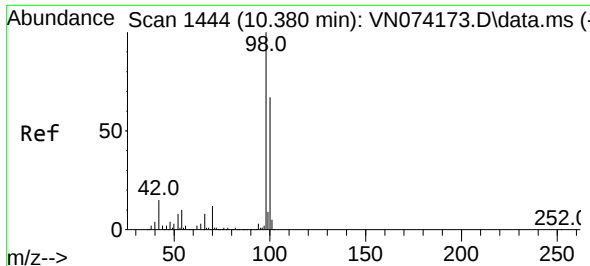
Ion Ratio Lower Upper

117 100

119 7.6 75.8 113.8#

121 0.0 24.6 37.0#

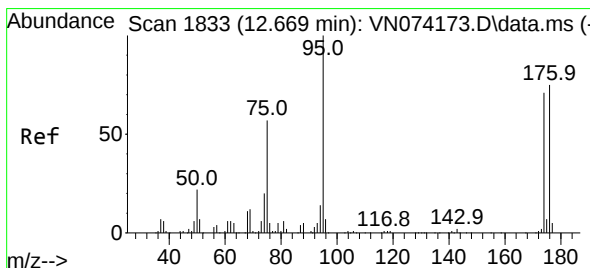
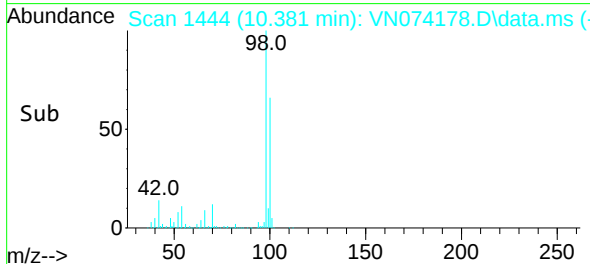
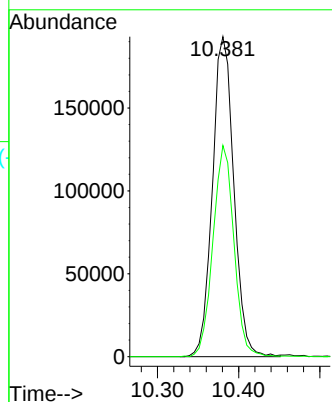
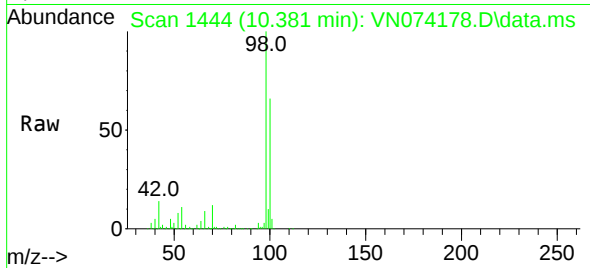




#50
Toluene-d8
Concen: 43.222 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

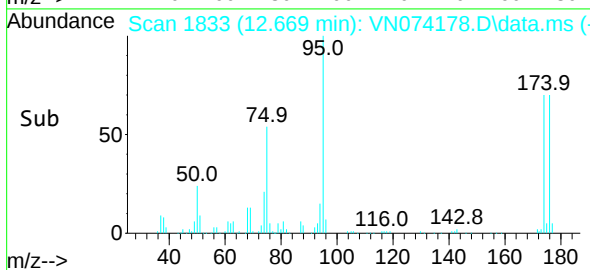
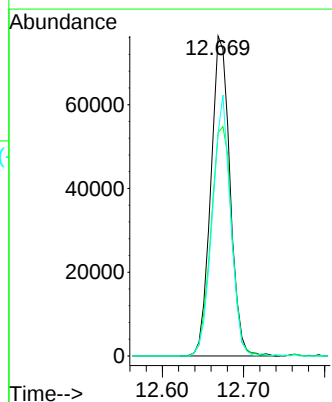
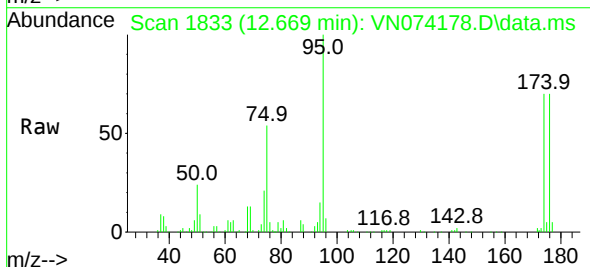
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBL01

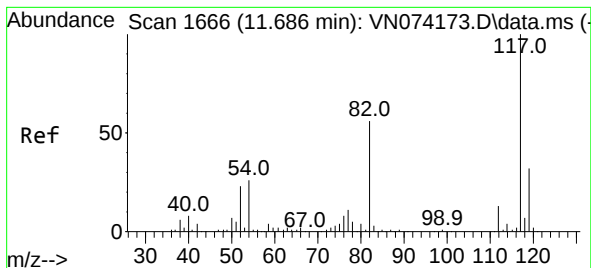
Tgt Ion: 98 Resp: 353586
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 50.313 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

Tgt Ion: 95 Resp: 125168
Ion Ratio Lower Upper
95 100
174 77.9 0.0 167.6
176 77.4 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN074178.D

Acq: 30 Aug 2022 20:50

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBL01

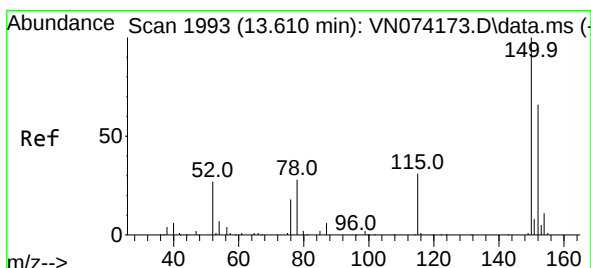
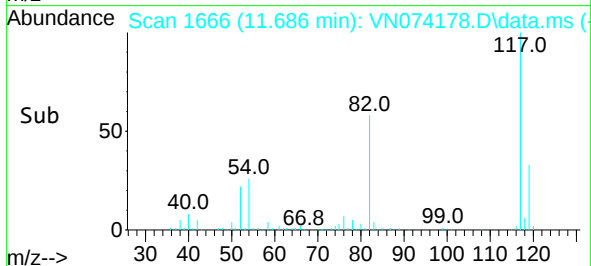
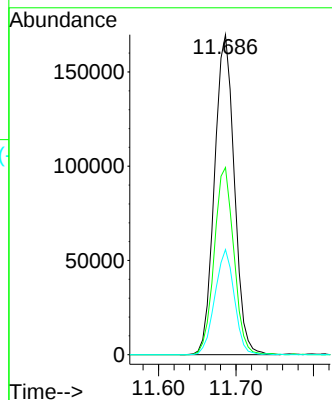
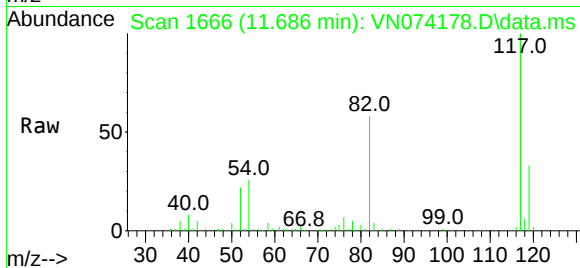
Tgt Ion:117 Resp: 301256

Ion Ratio Lower Upper

117 100

82 58.5 44.2 66.2

119 32.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.616 min Scan# 1994

Delta R.T. 0.006 min

Lab File: VN074178.D

Acq: 30 Aug 2022 20:50

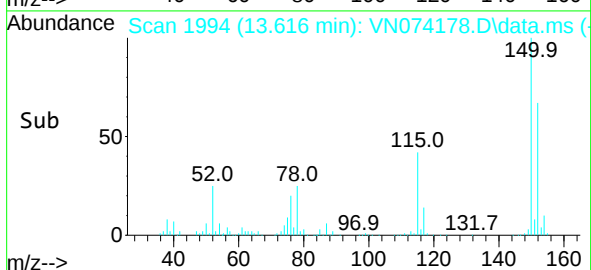
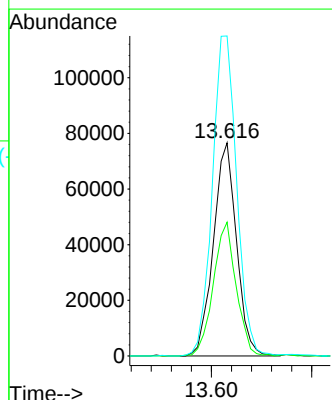
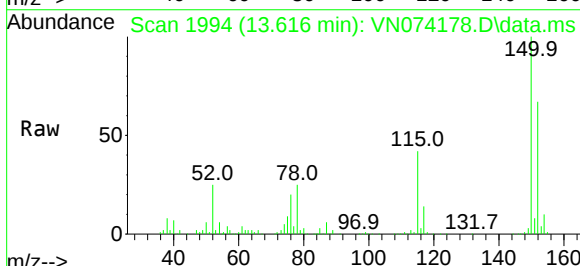
Tgt Ion:152 Resp: 123029

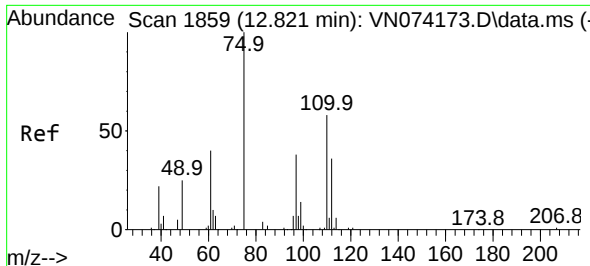
Ion Ratio Lower Upper

152 100

115 61.8 28.9 86.7

150 157.6 0.0 356.2

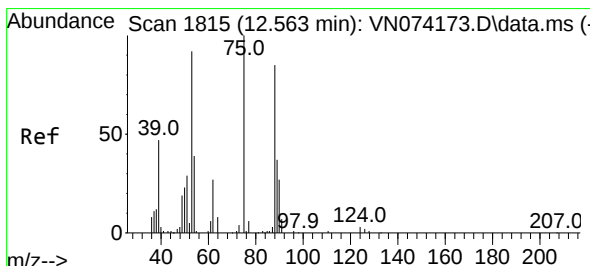
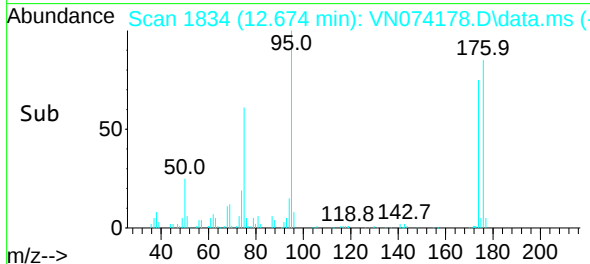
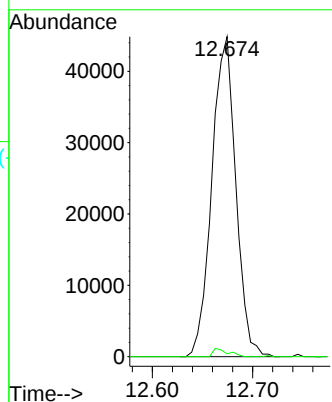
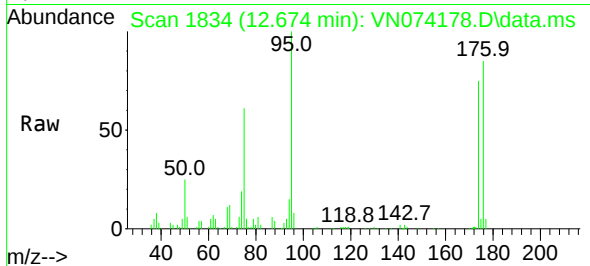




#76
1,2,3-Trichloropropane
Concen: 24.322 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

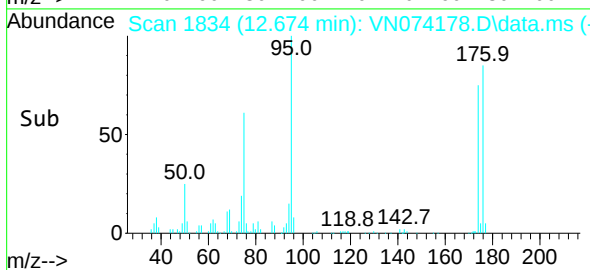
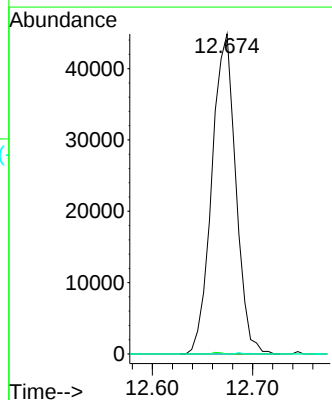
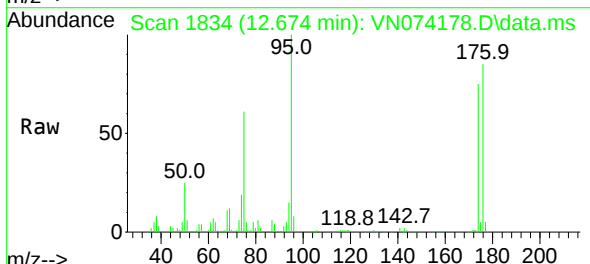
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBL01

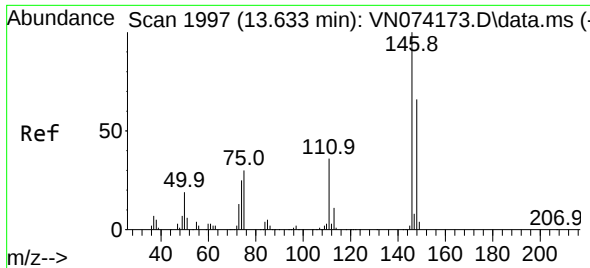
Tgt Ion: 75 Resp: 74531
Ion Ratio Lower Upper
75 100
77 1.6 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.881 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.112 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

Tgt Ion: 75 Resp: 74531
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#

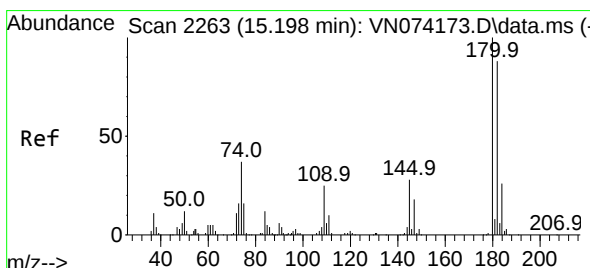
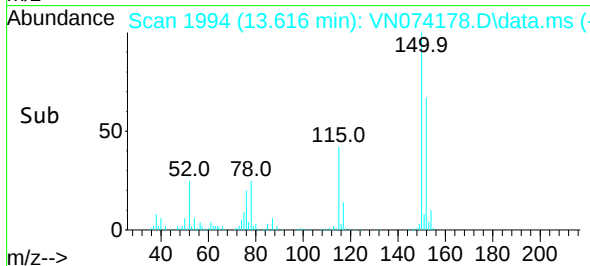
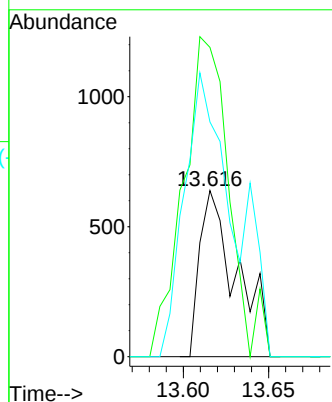
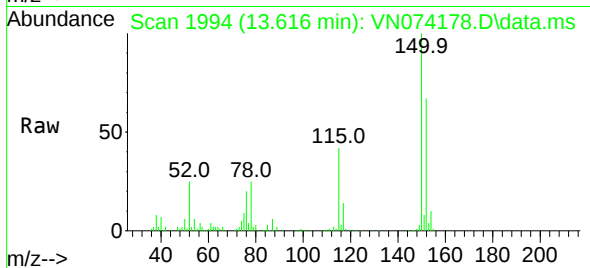




#88
 1,4-Dichlorobenzene
 Concen: 0.210 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. -0.018 min
 Lab File: VN074178.D
 Acq: 30 Aug 2022 20:50

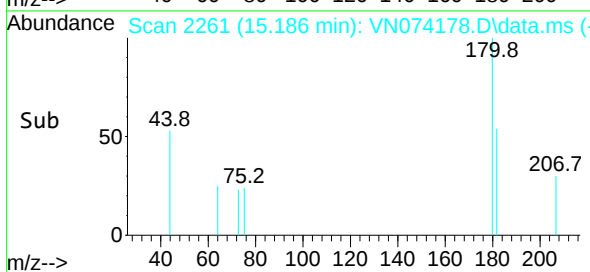
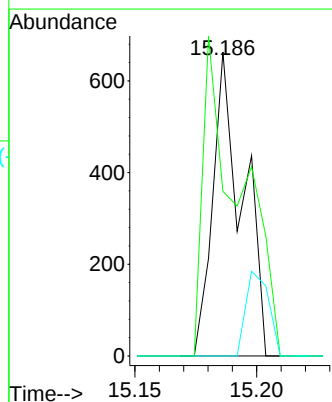
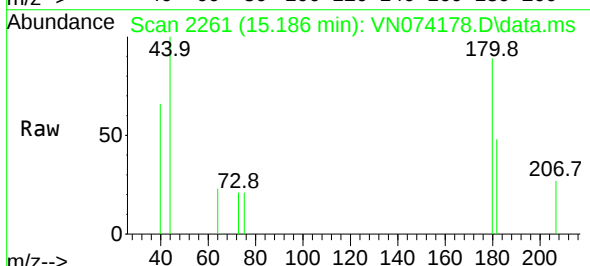
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBL01

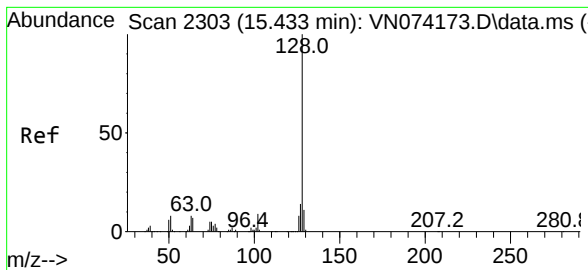
Tgt Ion:146 Resp: 953
 Ion Ratio Lower Upper
 146 100
 111 239.9 19.1 57.1#
 148 230.8 31.4 94.3#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.247 ug/l
 RT: 15.186 min Scan# 2261
 Delta R.T. -0.012 min
 Lab File: VN074178.D
 Acq: 30 Aug 2022 20:50

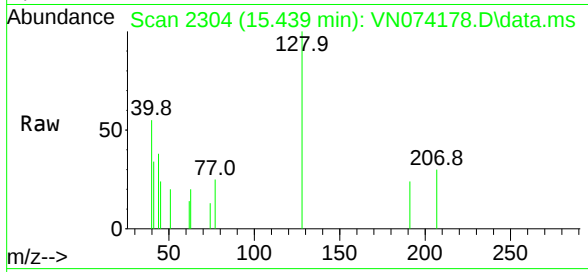
Tgt Ion:180 Resp: 559
 Ion Ratio Lower Upper
 180 100
 182 130.1 47.5 142.5
 145 21.3 14.5 43.5





#95
Naphthalene
Concen: 1.417 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN074178.D
Acq: 30 Aug 2022 20:50

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBL01



Tgt Ion:128 Resp: 2539
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

