

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070622\
 Data File : VN073334.D
 Acq On : 06 Jul 2022 10:10
 Operator : JC\MD
 Sample : VN0706MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706MBL01

Quant Time: Jul 07 04:20:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

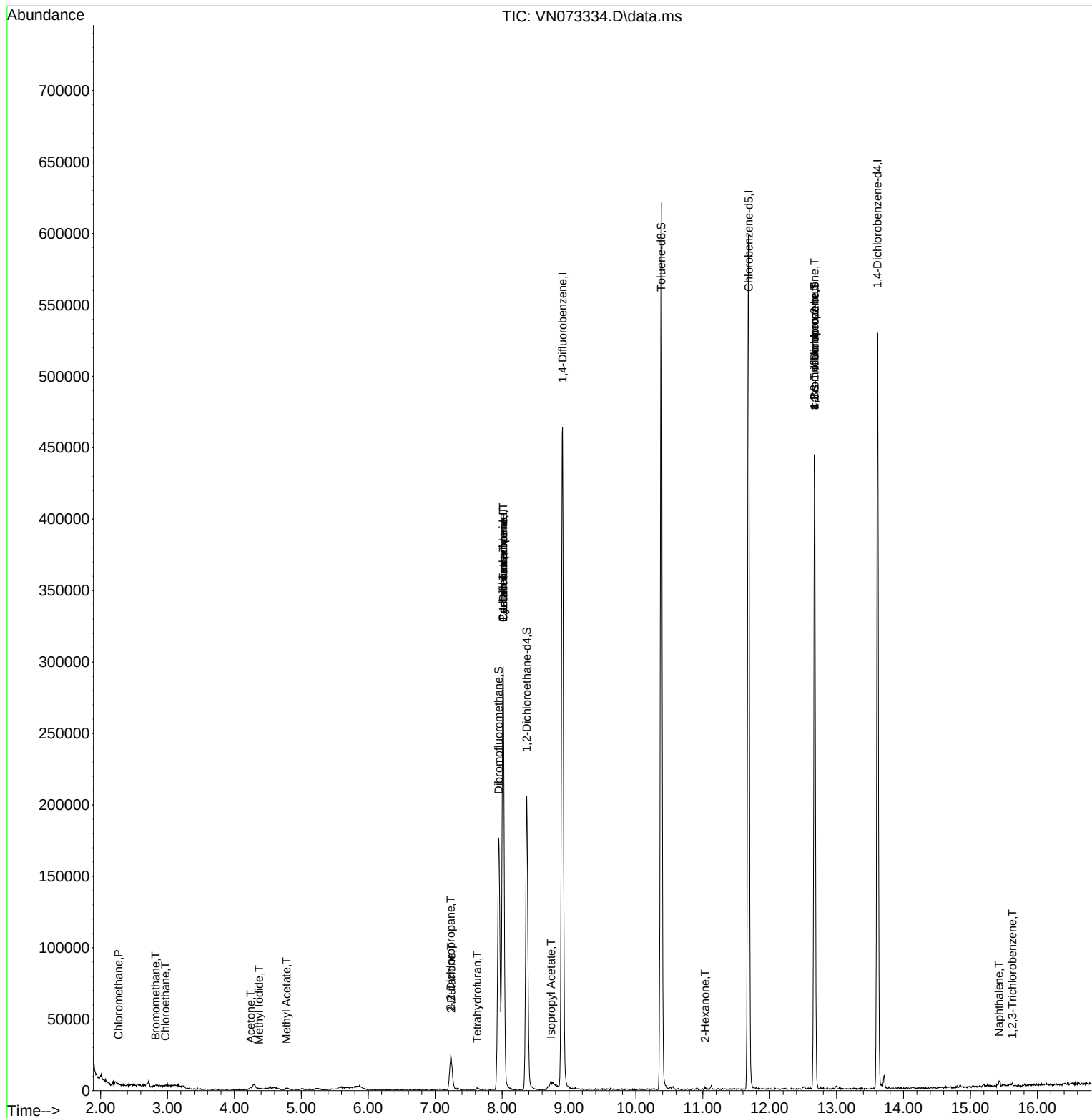
Internal Standards						
1) Pentafluorobenzene	8.016	168	225808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	412127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	351114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.609	152	141208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	172040	52.776	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.560%			
35) Dibromofluoromethane	7.951	113	132310	48.254	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.500%			
50) Toluene-d8	10.380	98	424381	43.578	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 87.160%			
62) 4-Bromofluorobenzene	12.668	95	152952	40.870	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 81.740%#			
Target Compounds						Qvalue
3) Chloromethane	2.269	50	676	0.211	ug/l #	87
5) Bromomethane	2.822	94	386	0.300	ug/l #	79
6) Chloroethane	2.969	64	495	0.309	ug/l #	42
10) Methyl Iodide	4.369	142	76	3.755	ug/l #	44
16) Acetone	4.245	43	2095	1.145	ug/l #	86
18) Methyl Acetate	4.781	43	2404	0.469	ug/l #	53
25) 2-Butanone	7.239	43	1197	0.411	ug/l #	45
26) 2,2-Dichloropropane	7.233	77	1615	0.323	ug/l #	53
29) Tetrahydrofuran	7.628	42	884	0.443	ug/l #	42
31) Cyclohexane	8.016	56	5416	1.014	ug/l #	51
36) 1,1-Dichloropropene	8.016	75	19057	4.517	ug/l #	49
38) Carbon Tetrachloride	8.016	117	23248	5.328	ug/l #	17
43) Isopropyl Acetate	8.733	43	7750	0.846	ug/l #	53
59) 2-Hexanone	11.033	43	1059	0.239	ug/l	81
76) 1,2,3-Trichloropropane	12.668	75	84353	22.846	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	84353	62.653	ug/l #	10
95) Naphthalene	15.427	128	4111	0.378	ug/l #	73
96) 1,2,3-Trichlorobenzene	15.627	180	650	0.234	ug/l #	74

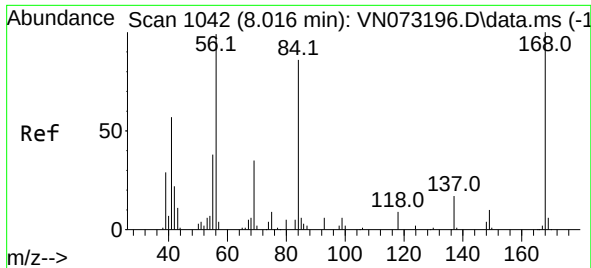
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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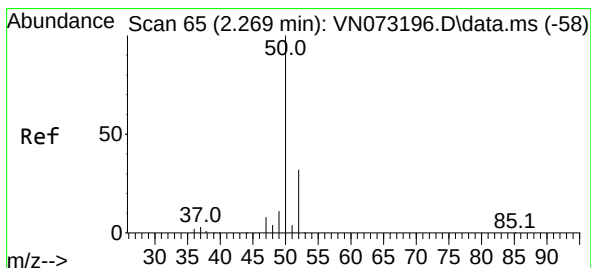
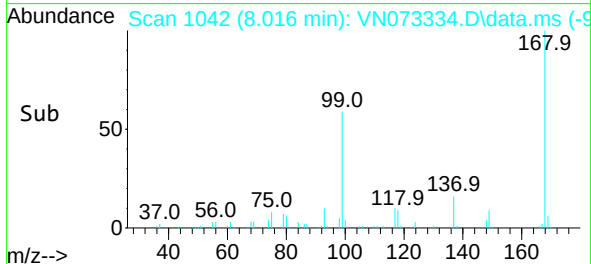
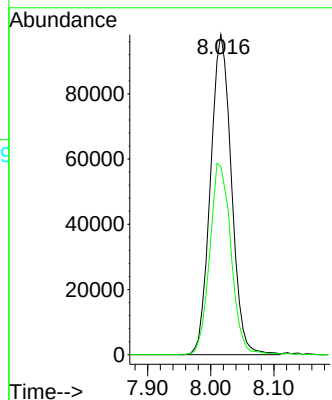
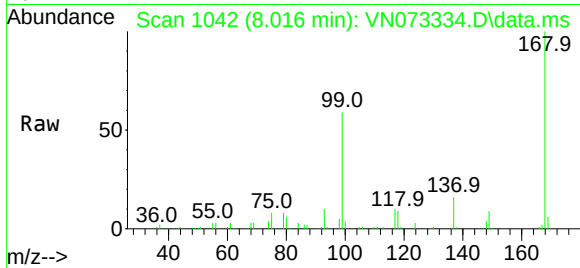




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

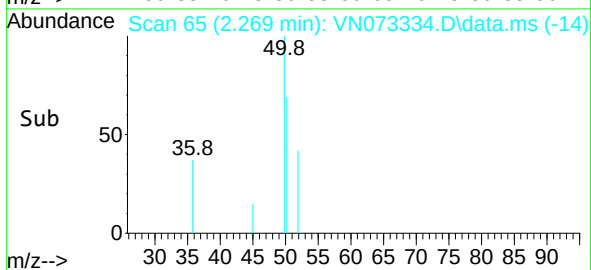
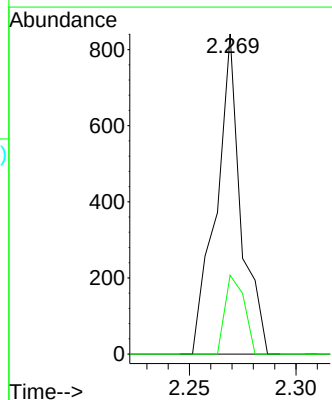
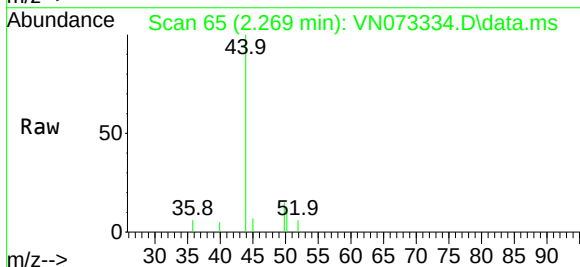
Instrument :
MSVOA_N
ClientSampleId :
VN0706MBL01

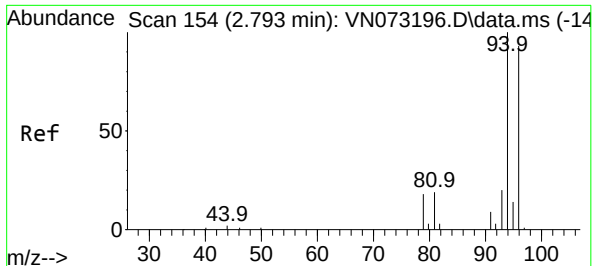
Tgt Ion:168 Resp: 225808
Ion Ratio Lower Upper
168 100
99 58.9 42.3 63.5



#3
Chloromethane
Concen: 0.211 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

Tgt Ion: 50 Resp: 676
Ion Ratio Lower Upper
50 100
52 24.6 25.7 38.5#

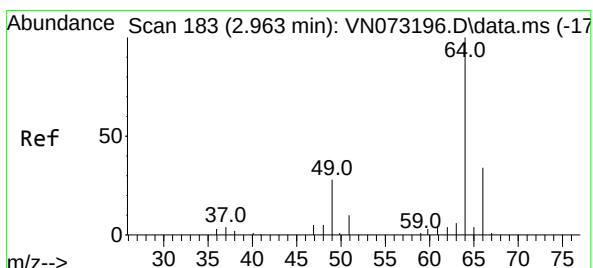
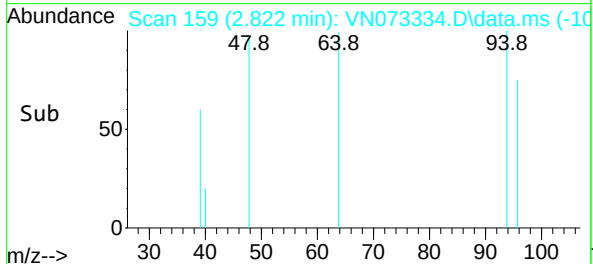
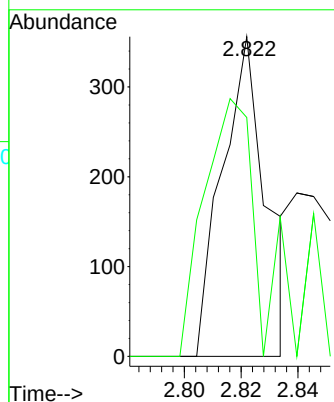
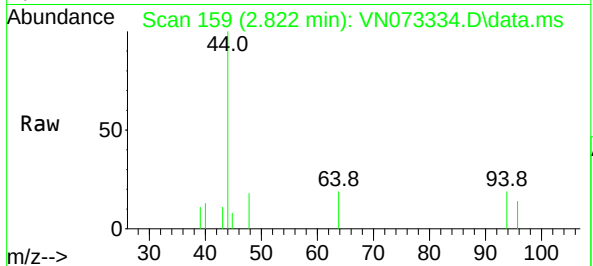




#5
Bromomethane
Concen: 0.300 ug/l
RT: 2.822 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

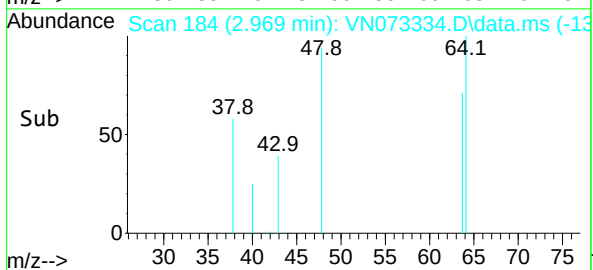
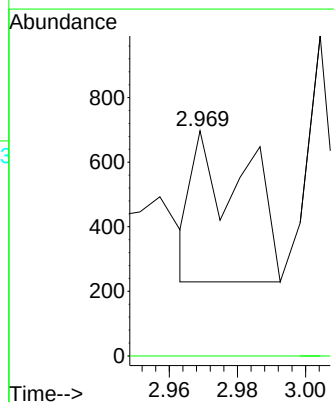
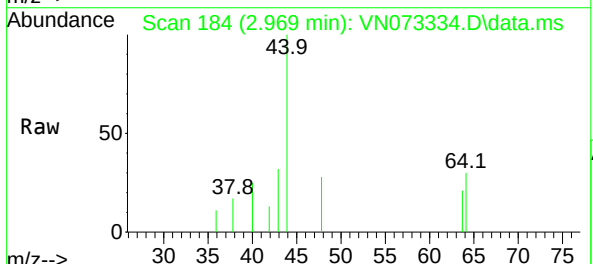
Instrument :
MSVOA_N
ClientSampleId :
VN0706MBL01

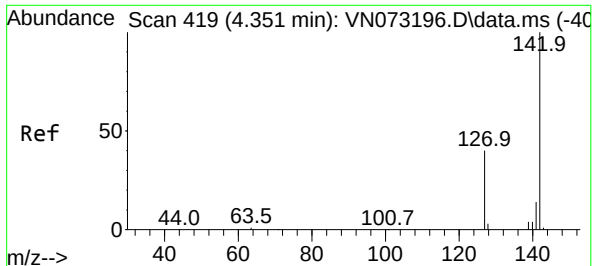
Tgt Ion: 94 Resp: 386
Ion Ratio Lower Upper
94 100
96 74.7 76.0 114.0#



#6
Chloroethane
Concen: 0.309 ug/l
RT: 2.969 min Scan# 184
Delta R.T. 0.006 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

Tgt Ion: 64 Resp: 495
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

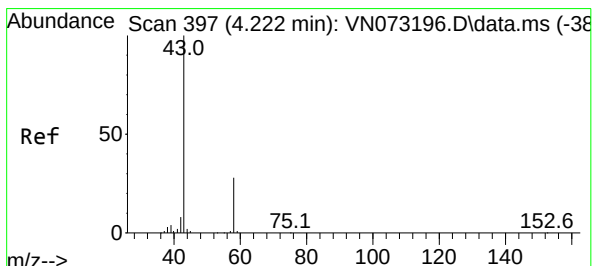
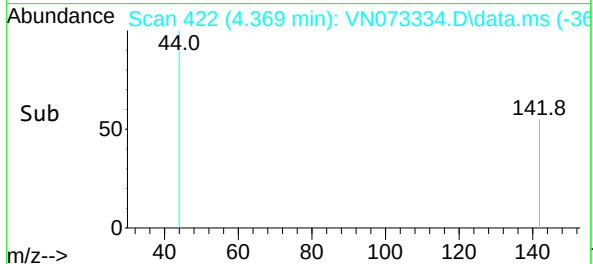
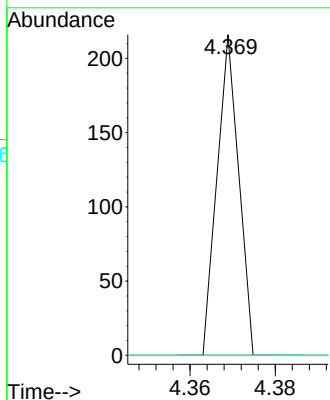
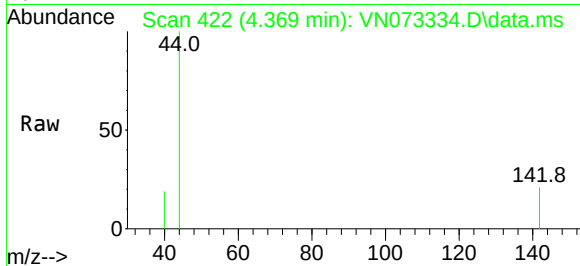




#10
Methyl Iodide
Concen: 3.755 ug/l
RT: 4.369 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

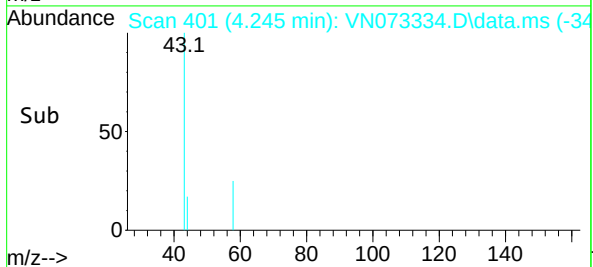
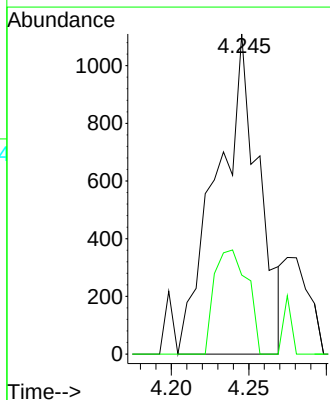
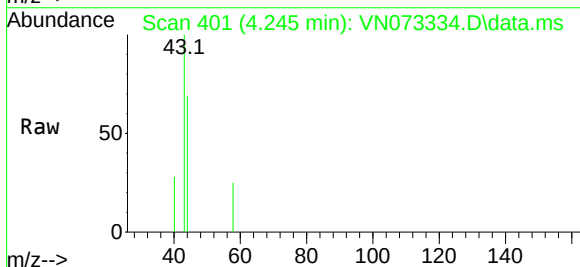
Instrument :
MSVOA_N
ClientSampleId :
VN0706MBL01

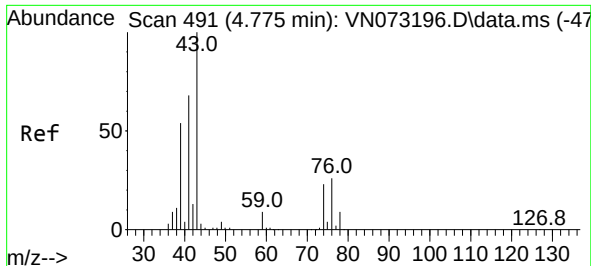
Tgt Ion:142 Resp: 76
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



#16
Acetone
Concen: 1.145 ug/l
RT: 4.245 min Scan# 401
Delta R.T. 0.023 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

Tgt Ion: 43 Resp: 2095
Ion Ratio Lower Upper
43 100
58 24.7 26.0 39.0#

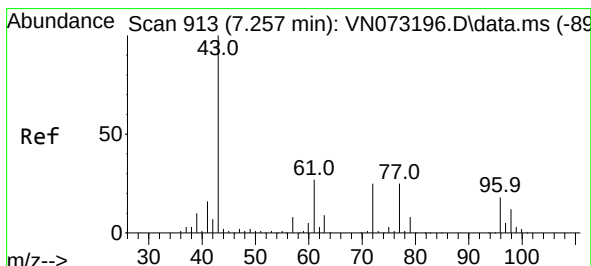
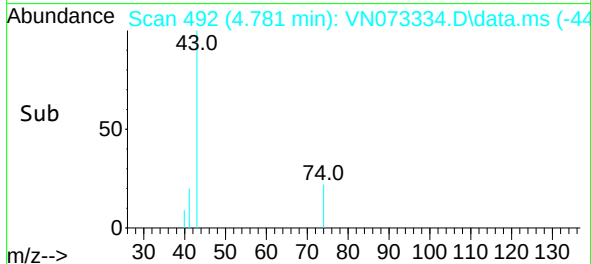
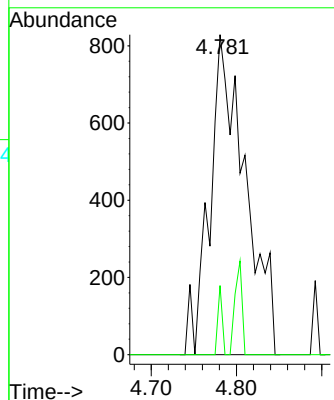
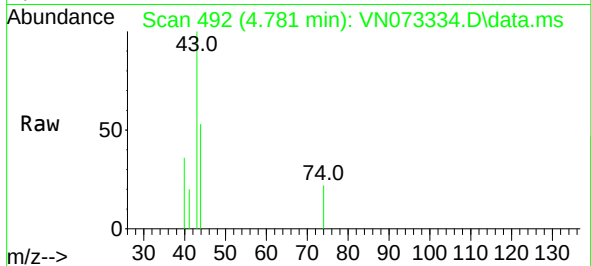




#18
Methyl Acetate
Concen: 0.469 ug/l
RT: 4.781 min Scan# 491
Delta R.T. 0.006 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

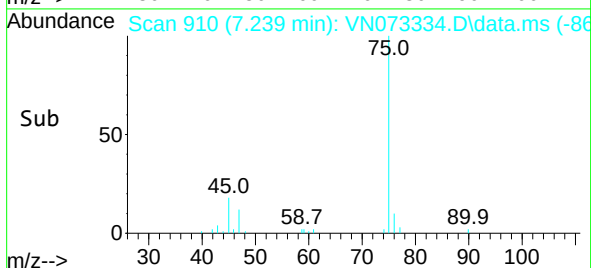
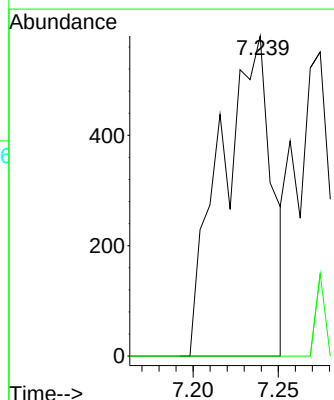
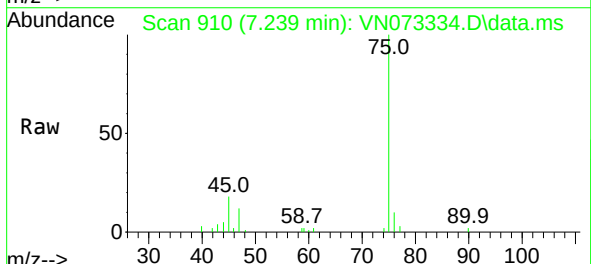
Instrument :
MSVOA_N
ClientSampleId :
VN0706MBL01

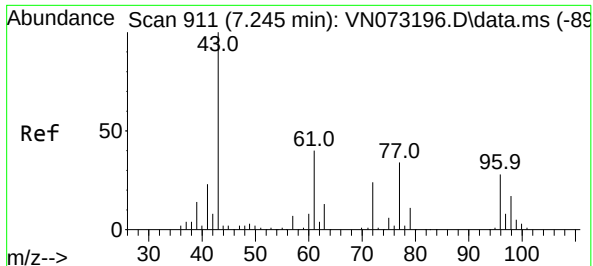
Tgt Ion: 43 Resp: 2404
Ion Ratio Lower Upper
43 100
74 2.6 21.6 32.4#



#25
2-Butanone
Concen: 0.411 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.018 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

Tgt Ion: 43 Resp: 1197
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#26

2,2-Dichloropropane

Concen: 0.323 ug/l

RT: 7.233 min Scan# 909

Delta R.T. -0.012 min

Lab File: VN073334.D

Acq: 06 Jul 2022 10:10

Instrument :

MSVOA_N

ClientSampleId :

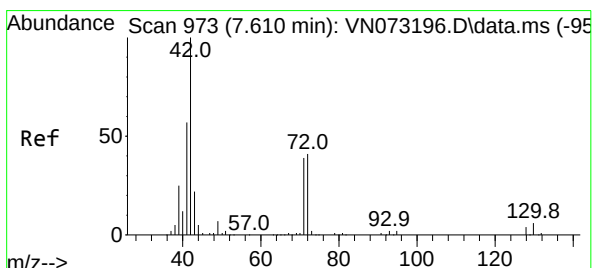
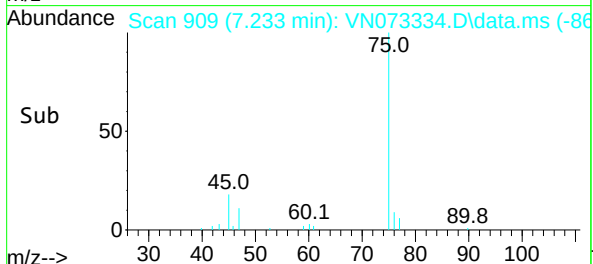
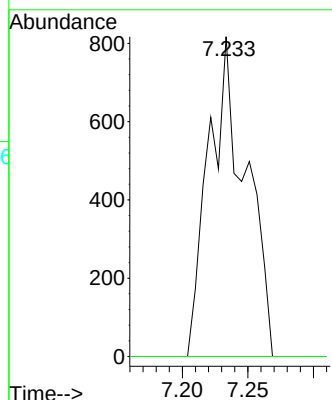
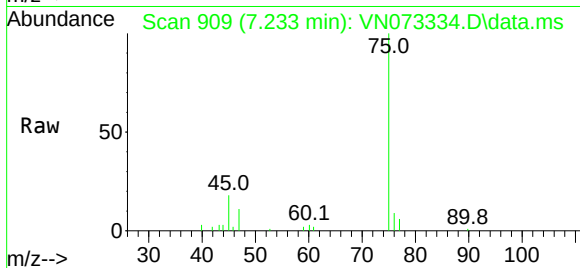
VN0706MBL01

Tgt Ion: 77 Resp: 1615

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 0.443 ug/l

RT: 7.628 min Scan# 976

Delta R.T. 0.018 min

Lab File: VN073334.D

Acq: 06 Jul 2022 10:10

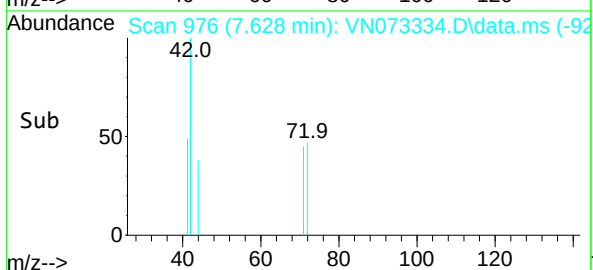
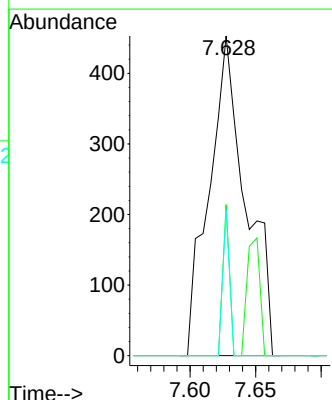
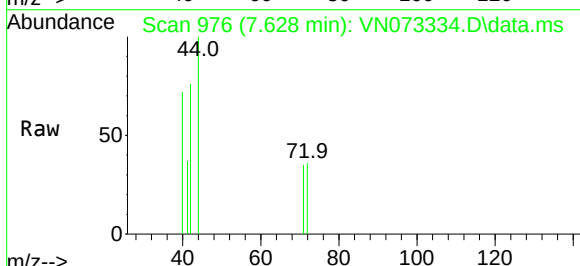
Tgt Ion: 42 Resp: 884

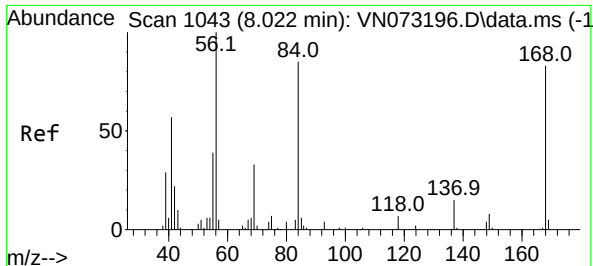
Ion Ratio Lower Upper

42 100

72 8.6 39.7 59.5#

71 8.3 36.6 55.0#





#31

Cyclohexane

Concen: 1.014 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073334.D

Acq: 06 Jul 2022 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0706MBL01

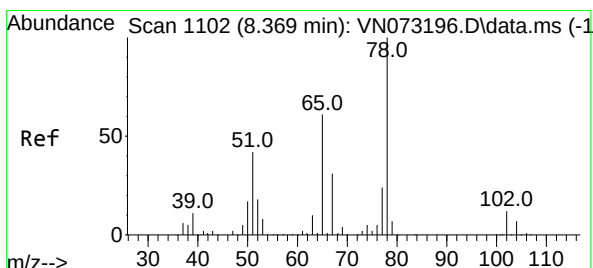
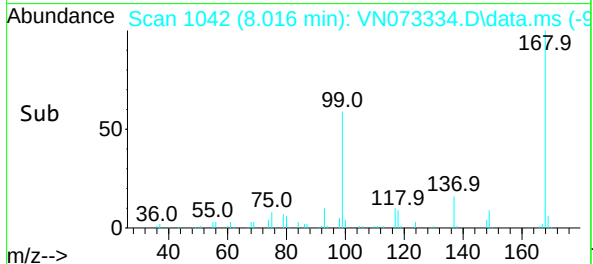
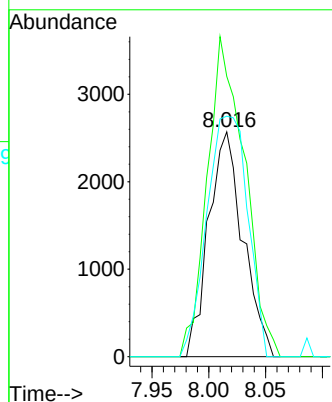
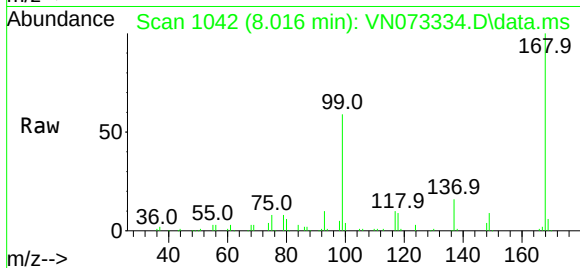
Tgt Ion: 56 Resp: 5416

Ion Ratio Lower Upper

56 100

69 124.7 27.8 41.8#

84 107.0 76.9 115.3



#33

1,2-Dichloroethane-d4

Concen: 52.776 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073334.D

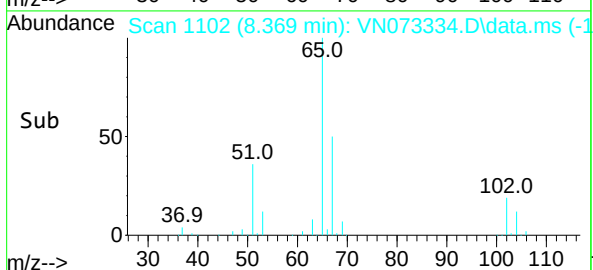
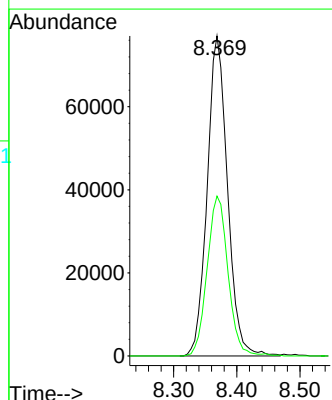
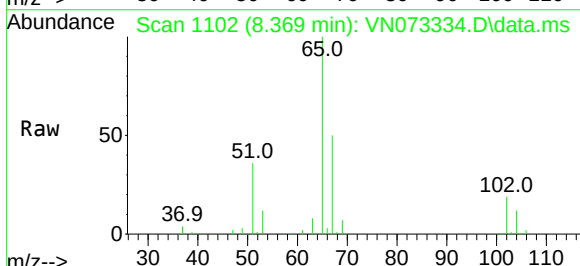
Acq: 06 Jul 2022 10:10

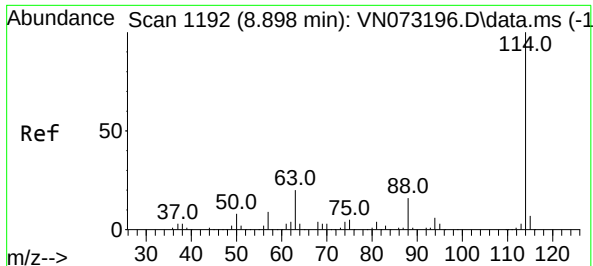
Tgt Ion: 65 Resp: 172040

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073334.D

Acq: 06 Jul 2022 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0706MBL01

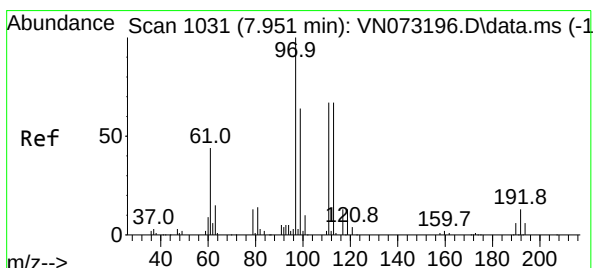
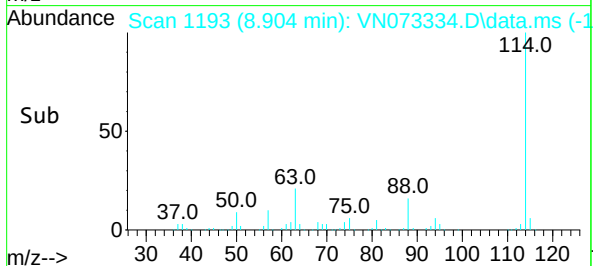
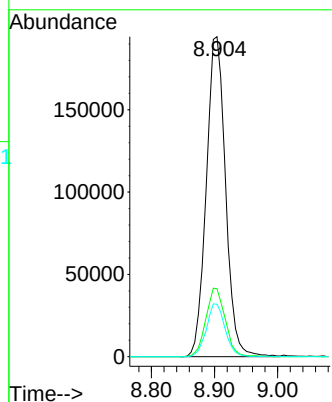
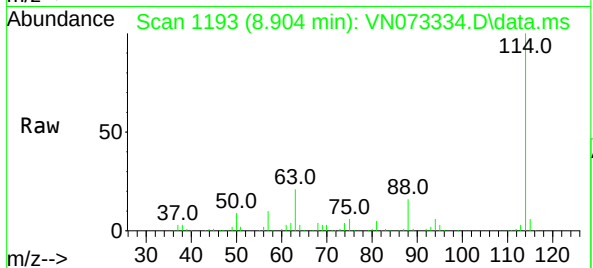
Tgt Ion:114 Resp: 412127

Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

88 16.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.254 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073334.D

Acq: 06 Jul 2022 10:10

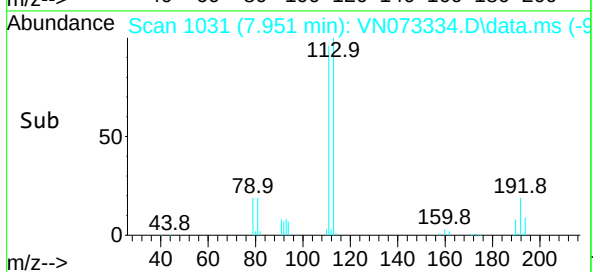
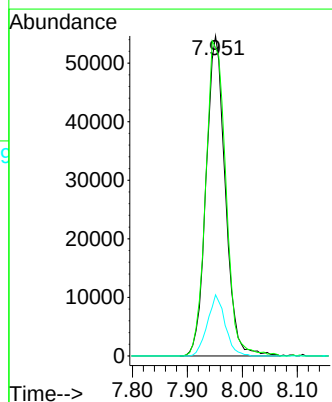
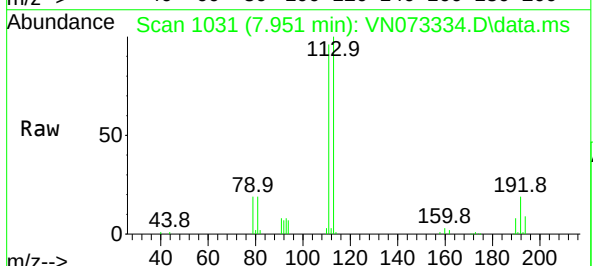
Tgt Ion:113 Resp: 132310

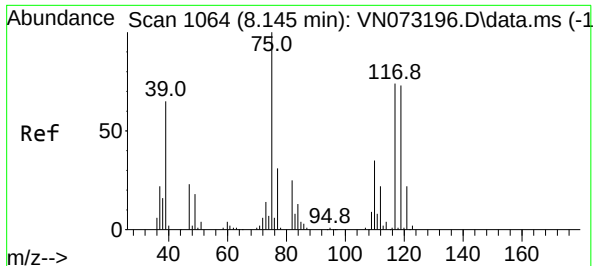
Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

192 17.7 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.517 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073334.D

Acq: 06 Jul 2022 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0706MBL01

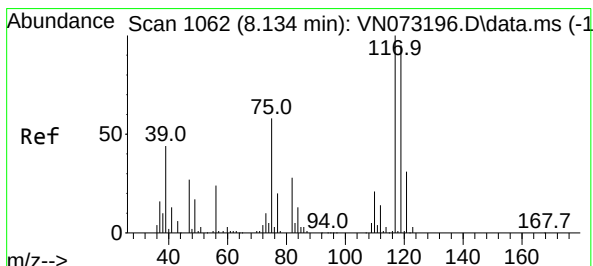
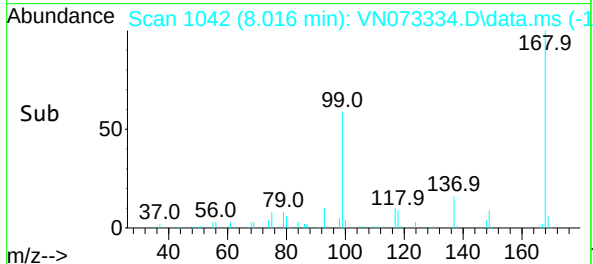
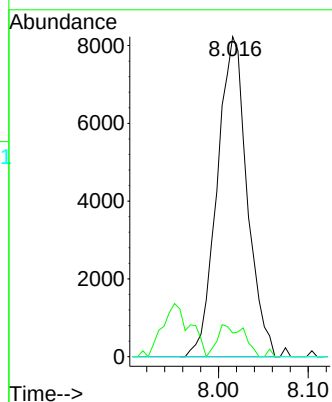
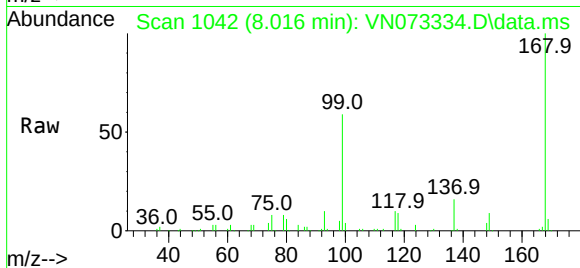
Tgt Ion: 75 Resp: 19057

Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.328 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073334.D

Acq: 06 Jul 2022 10:10

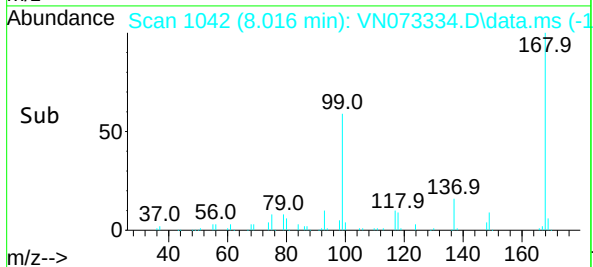
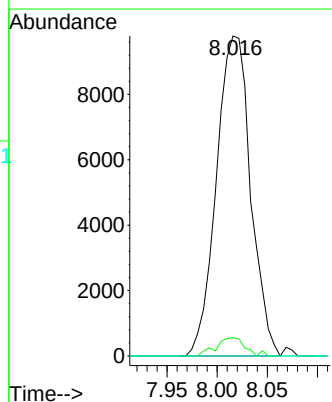
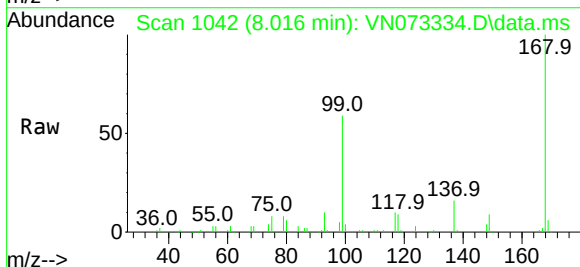
Tgt Ion: 117 Resp: 23248

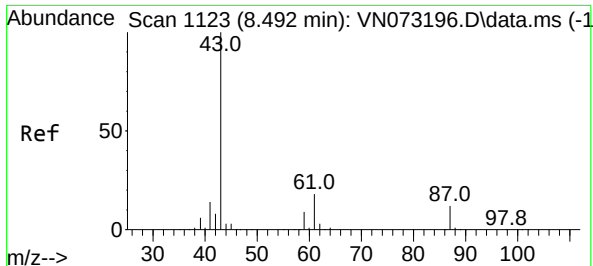
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.8#

121 0.0 24.6 37.0#

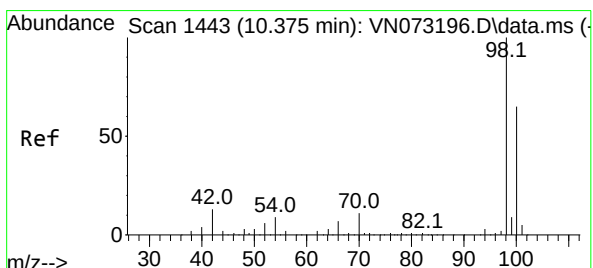
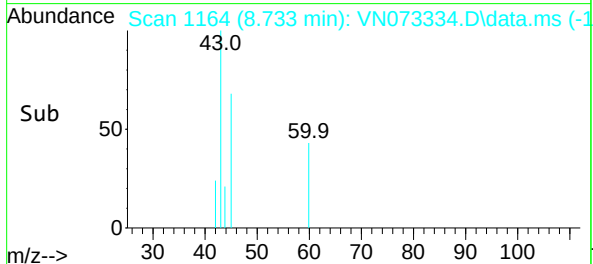
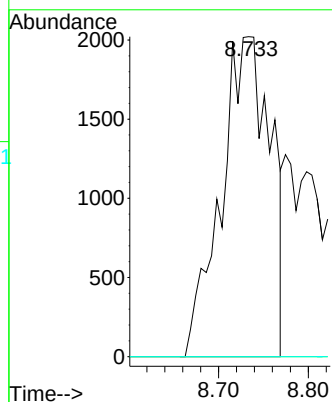
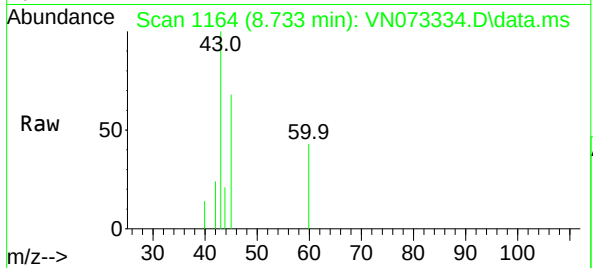




#43
Isopropyl Acetate
Concen: 0.846 ug/l
RT: 8.733 min Scan# 1123
Delta R.T. 0.241 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

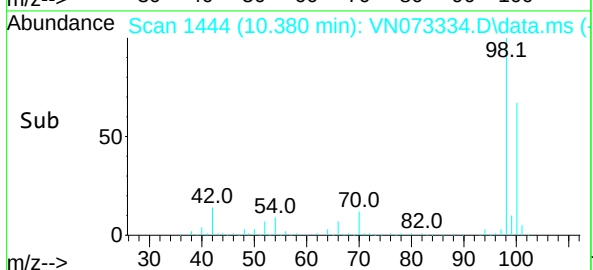
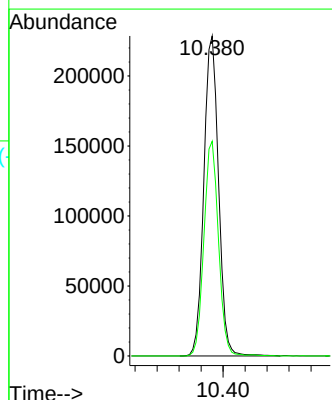
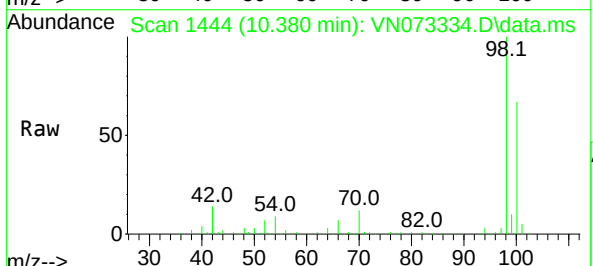
Instrument :
MSVOA_N
ClientSampleId :
VN0706MBL01

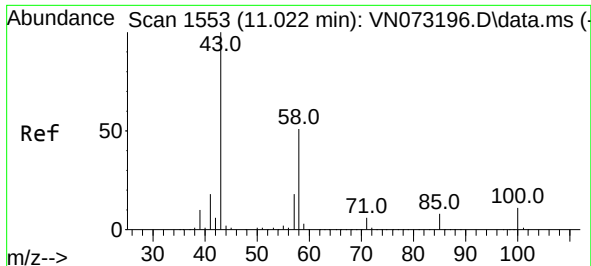
Tgt Ion: 43 Resp: 7750
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 43.578 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

Tgt Ion: 98 Resp: 424381
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8

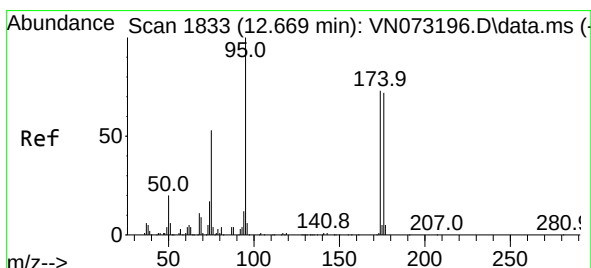
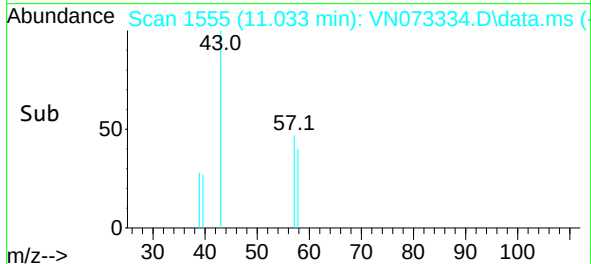
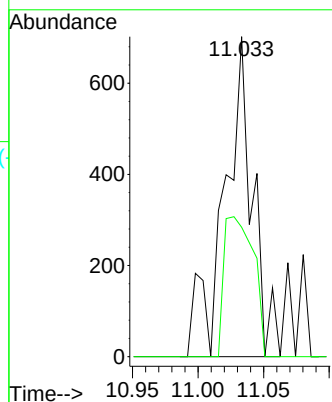
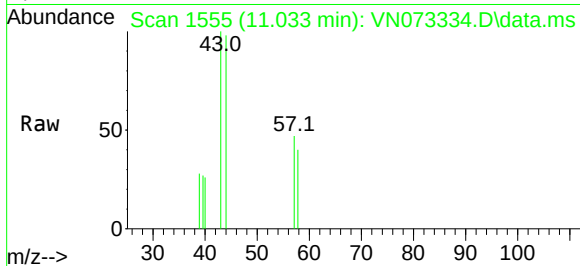




#59
2-Hexanone
Concen: 0.239 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

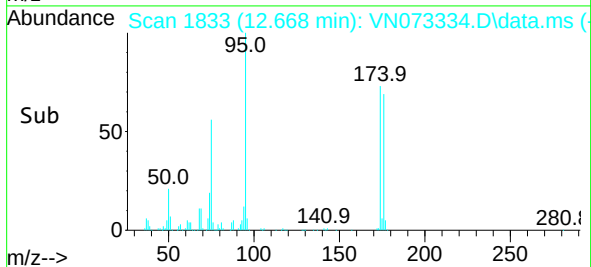
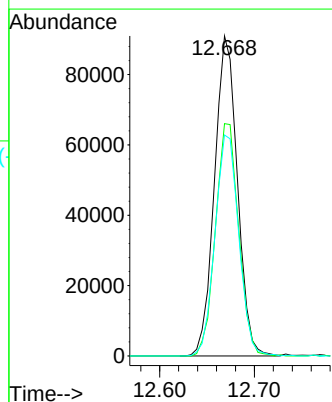
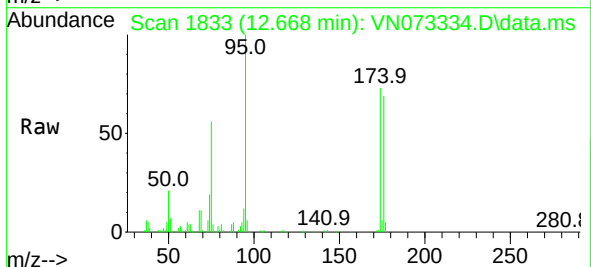
Instrument :
MSVOA_N
ClientSampleId :
VN0706MBL01

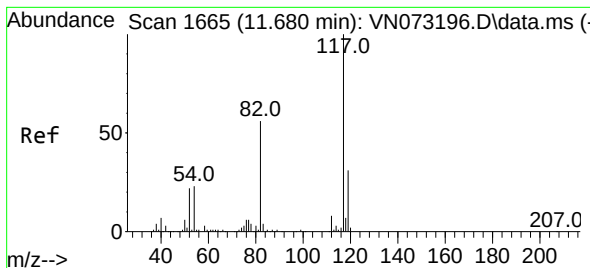
Tgt Ion: 43 Resp: 1059
Ion Ratio Lower Upper
43 100
58 45.3 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 40.870 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

Tgt Ion: 95 Resp: 152952
Ion Ratio Lower Upper
95 100
174 73.6 0.0 167.6
176 71.5 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN073334.D

Acq: 06 Jul 2022 10:10

Instrument :

MSVOA_N

ClientSampleId :

VN0706MBL01

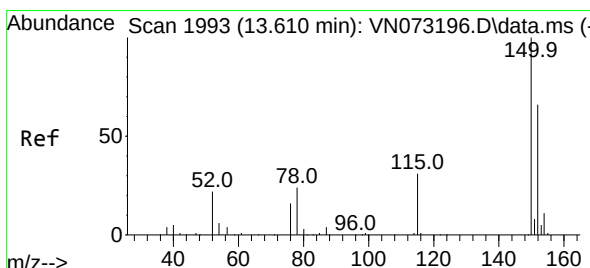
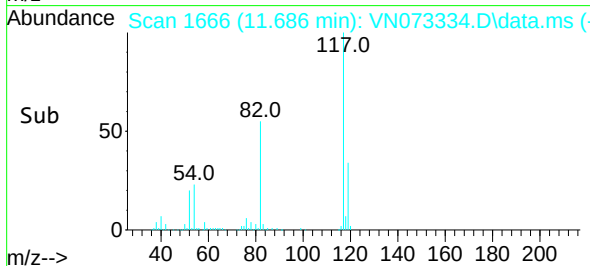
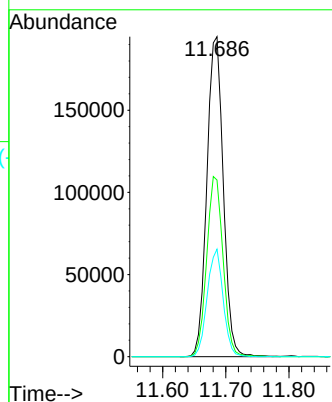
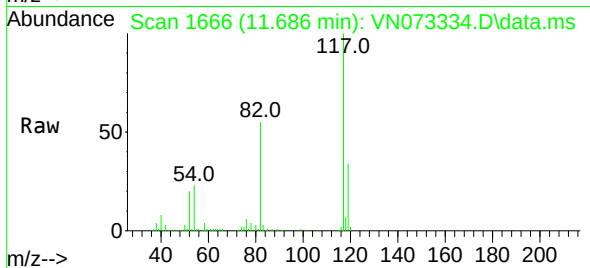
Tgt Ion:117 Resp: 351114

Ion Ratio Lower Upper

117 100

82 55.2 44.2 66.2

119 33.6 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.609 min Scan# 1993

Delta R.T. -0.001 min

Lab File: VN073334.D

Acq: 06 Jul 2022 10:10

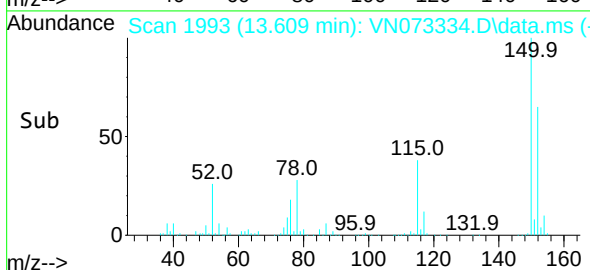
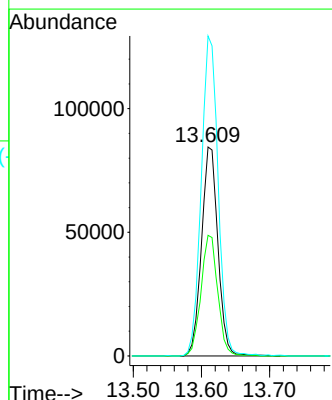
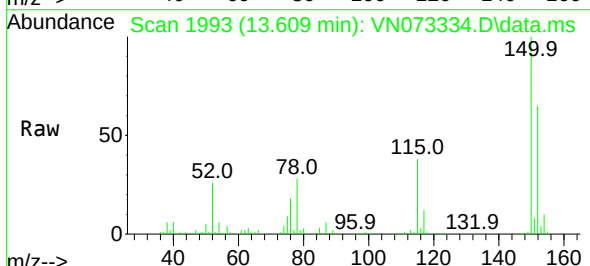
Tgt Ion:152 Resp: 141208

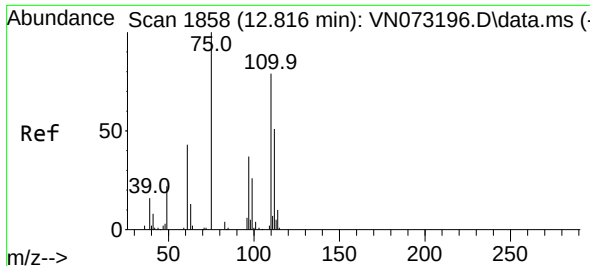
Ion Ratio Lower Upper

152 100

115 59.0 28.9 86.7

150 157.0 0.0 356.2

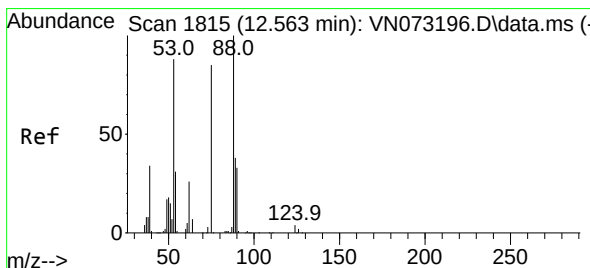
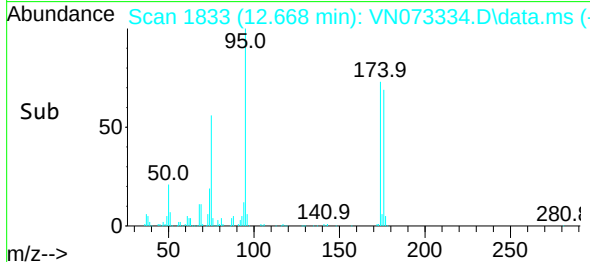
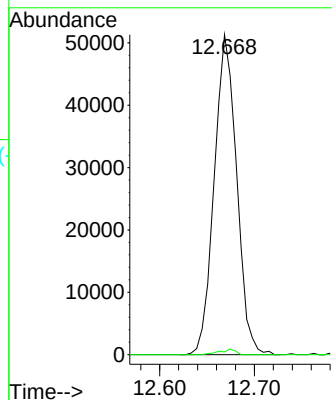
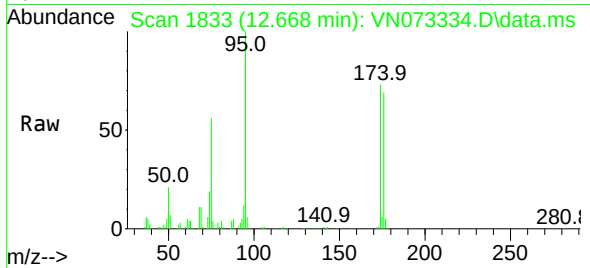




#76
1,2,3-Trichloropropane
Concen: 22.846 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

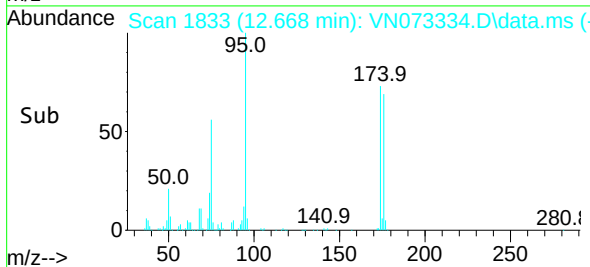
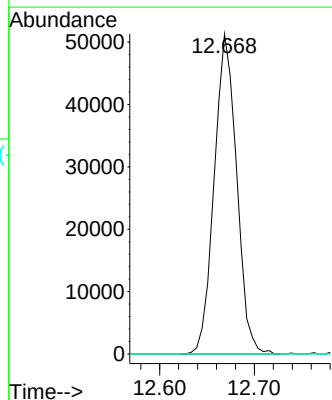
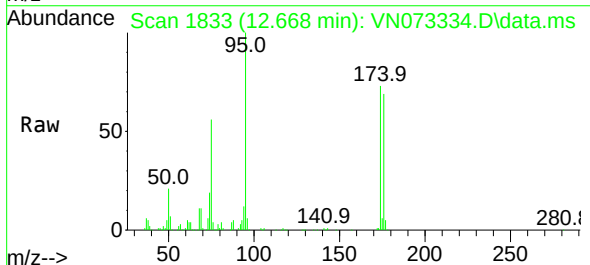
Instrument :
MSVOA_N
ClientSampleId :
VN0706MBL01

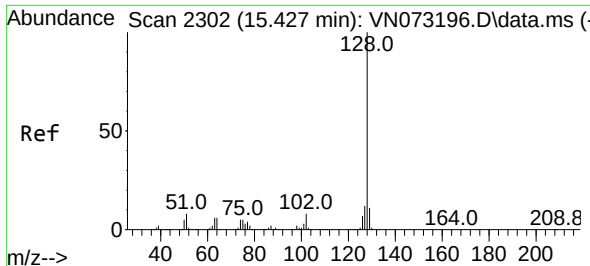
Tgt Ion: 75 Resp: 84353
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.653 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

Tgt Ion: 75 Resp: 84353
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

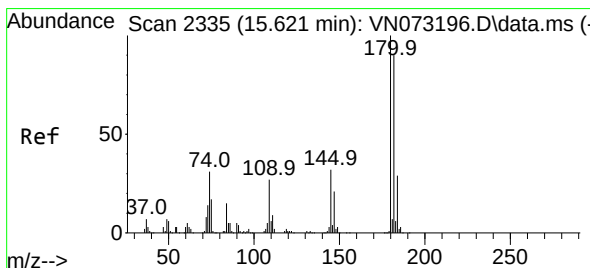
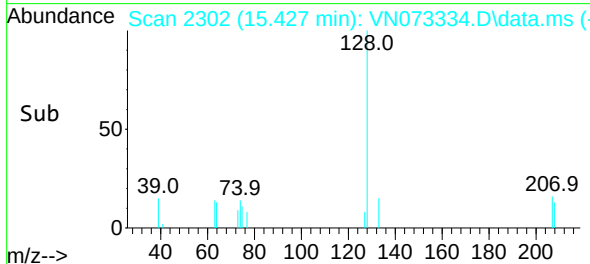
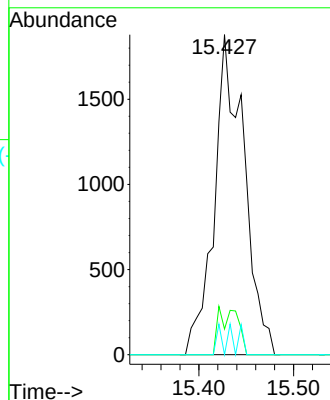
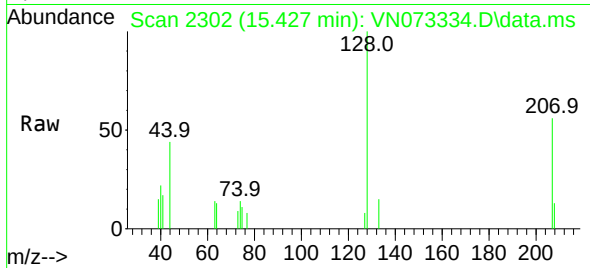




#95
Naphthalene
Concen: 0.378 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

Instrument :
MSVOA_N
ClientSampleId :
VN0706MBL01

Tgt Ion:128 Resp: 4111
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.1 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.234 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.006 min
Lab File: VN073334.D
Acq: 06 Jul 2022 10:10

Tgt Ion:180 Resp: 650
Ion Ratio Lower Upper
180 100
182 74.6 47.8 143.3
145 8.8 15.5 46.5#

