

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070522\
 Data File : VN073317.D
 Acq On : 05 Jul 2022 15:58
 Operator : JC\MD
 Sample : N3564-04
 Misc : 4.97g/5.0mL/100uL5.0mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-14B-11-1-GRME

Quant Time: Jul 06 01:14:52 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)

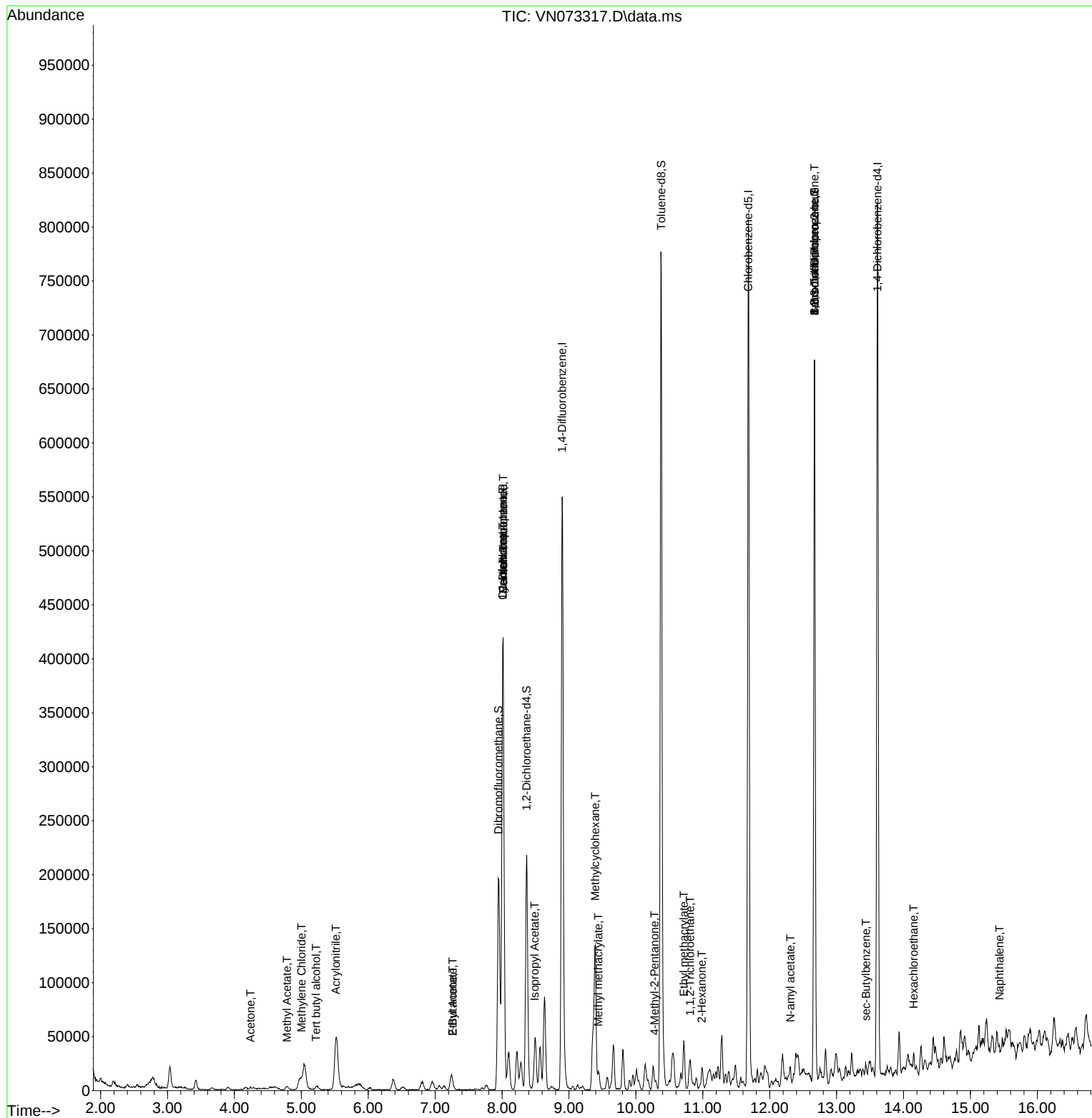
Internal Standards						
1) Pentafluorobenzene	8.016	168	275305	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.898	114	465003	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	445230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	216669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	175938	44.269	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	88.540%		
35) Dibromofluoromethane	7.945	113	146689	47.415	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.820%		
50) Toluene-d8	10.380	98	502381	45.721	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.440%		
62) 4-Bromofluorobenzene	12.669	95	228826	54.191	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.380%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.222	59	2264	2.352	ug/l	# 72
15) Acrylonitrile	5.516	53	1828	0.738	ug/l	# 32
16) Acetone	4.240	43	3671	1.646	ug/l	# 78
18) Methyl Acetate	4.787	43	7047	1.127	ug/l	# 67
20) Methylene Chloride	5.004	84	1034	0.264	ug/l	# 85
25) 2-Butanone	7.263	43	1793	0.505	ug/l	# 81
31) Cyclohexane	8.010	56	32541	4.999	ug/l	# 78
36) 1,1-Dichloropropene	8.010	75	22948	4.821	ug/l	# 50
37) Ethyl Acetate	7.263	43	1793	0.249	ug/l	# 67
38) Carbon Tetrachloride	8.016	117	29707	6.035	ug/l	# 15
39) Methylcyclohexane	9.392	83	56378	9.513	ug/l	92
43) Isopropyl Acetate	8.486	43	8928	0.864	ug/l	# 53
48) Methyl methacrylate	9.439	41	3829	0.800	ug/l	# 10
51) 4-Methyl-2-Pentanone	10.280	43	1407	0.215	ug/l	# 33
55) 1,1,2-Trichloroethane	10.810	97	7883	2.109	ug/l	# 22
56) Ethyl methacrylate	10.716	69	4206	0.696	ug/l	# 1
59) 2-Hexanone	10.986	43	9678	1.937	ug/l	# 22
71) Bromoform	12.669	173	2044	0.754	ug/l	# 1
74) N-amyl acetate	12.310	43	4448	0.475	ug/l	# 39
76) 1,2,3-Trichloropropane	12.669	75	118418	20.902	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.669	75	118418	57.322	ug/l	# 11
85) sec-Butylbenzene	13.439	105	4352	0.237	ug/l	# 85
90) Hexachloroethane	14.151	117	943	0.341	ug/l	# 9
95) Naphthalene	15.433	128	3849	0.230	ug/l	# 78

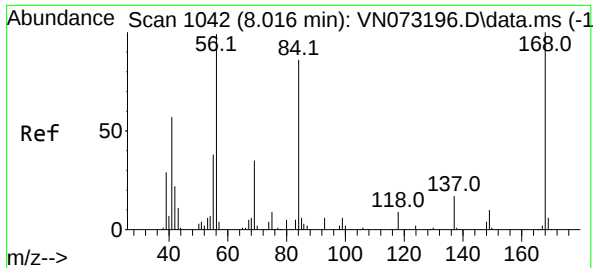
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070522\
Data File : VN073317.D
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Sample : N3564-04
Misc : 4.97g/5.0mL/100uL5.0mL/MSVOA_N/MEOH
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Instrument :
MSVOA_N
ClientSampleId :
WC-14B-11-1-GRME

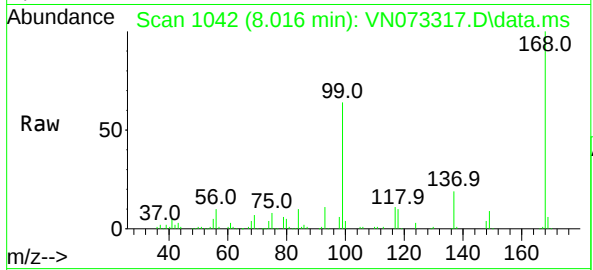
Quant Time: Jul 06 01:14:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration



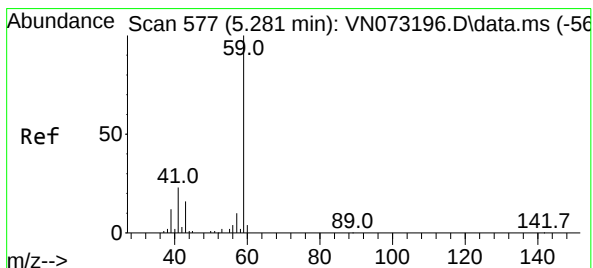
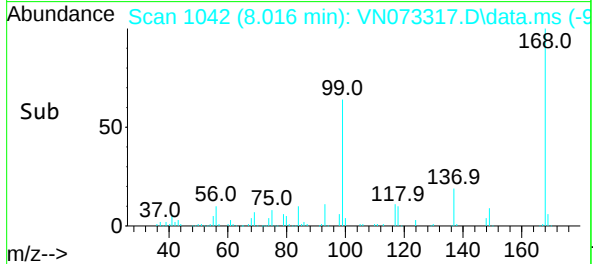
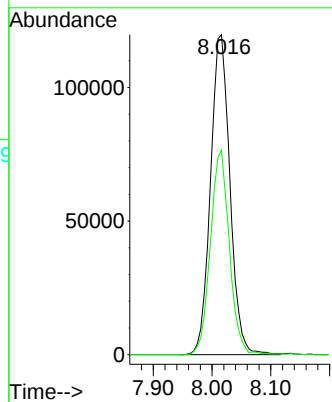


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :
WC-14B-11-1-GRME

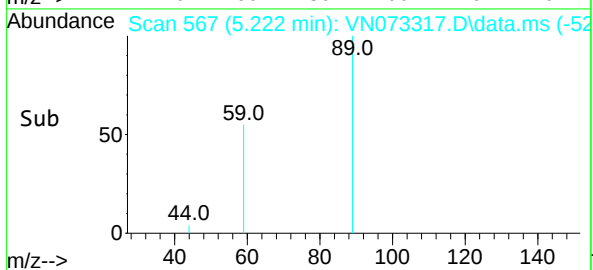
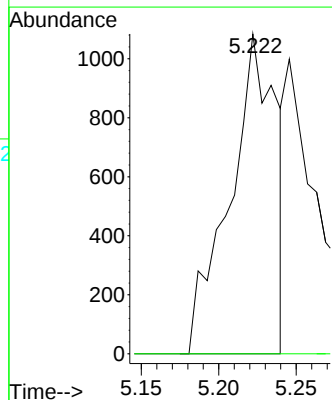
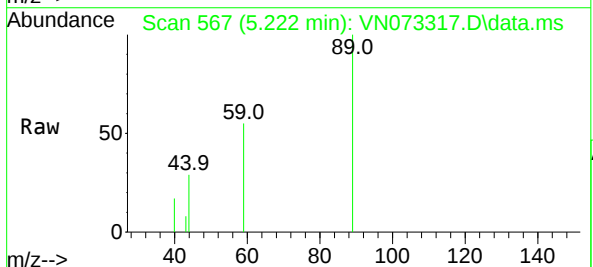


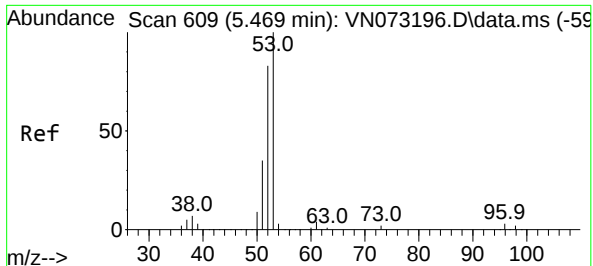
Tgt Ion:168 Resp: 275305
Ion Ratio Lower Upper
168 100
99 64.0 42.3 63.5#



#11
Tert butyl alcohol
Concen: 2.352 ug/l
RT: 5.222 min Scan# 567
Delta R.T. -0.059 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

Tgt Ion: 59 Resp: 2264
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

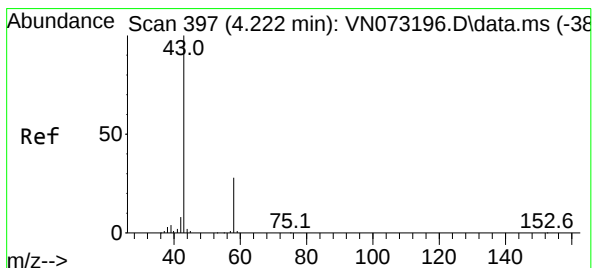
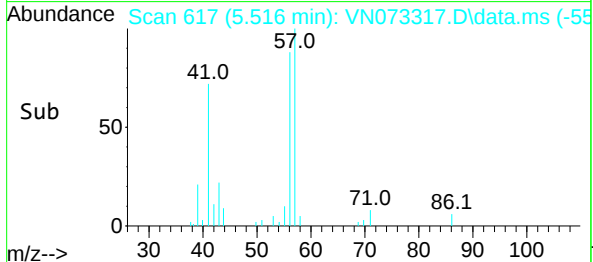
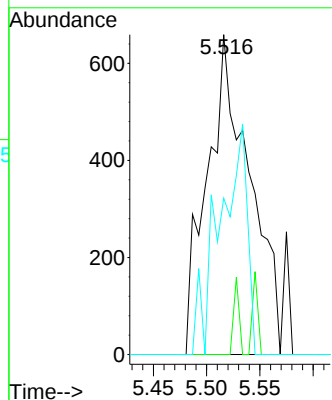
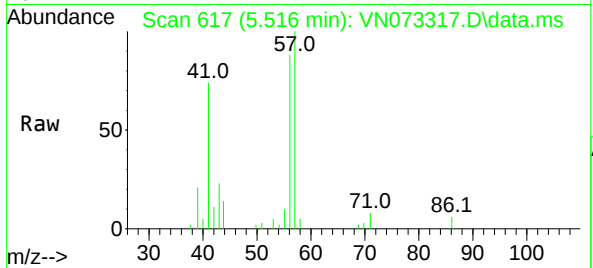




#15
Acrylonitrile
Concen: 0.738 ug/l
RT: 5.516 min Scan# 61
Delta R.T. 0.047 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

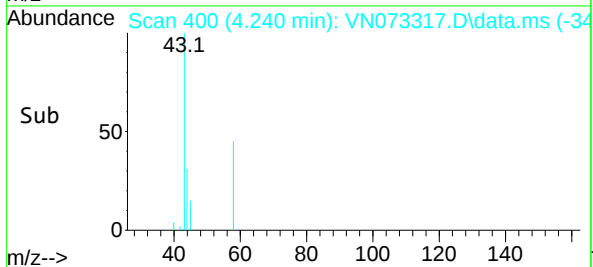
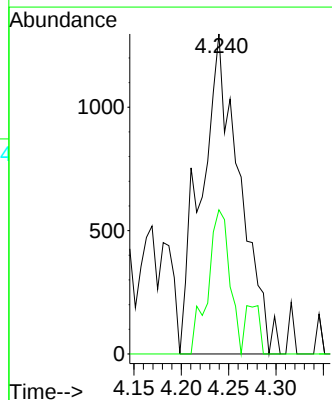
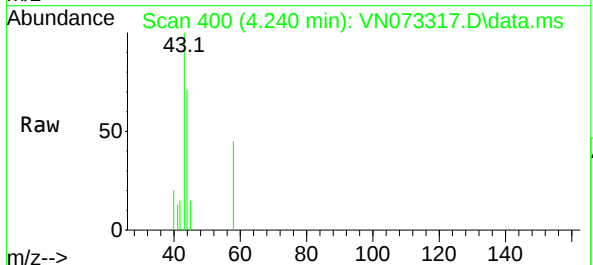
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-11-1-GRME

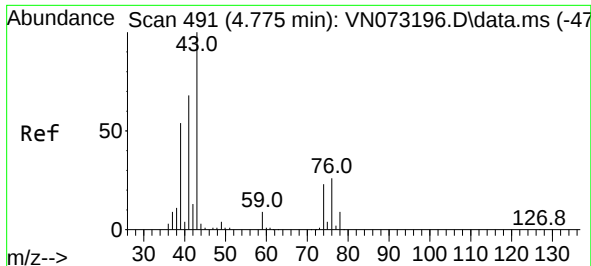
Tgt Ion: 53 Resp: 1828
Ion Ratio Lower Upper
53 100
52 3.1 66.4 99.6#
51 46.8 28.5 42.7#



#16
Acetone
Concen: 1.646 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.018 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

Tgt Ion: 43 Resp: 3671
Ion Ratio Lower Upper
43 100
58 45.0 26.0 39.0#

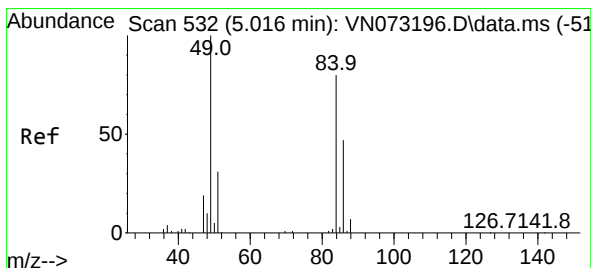
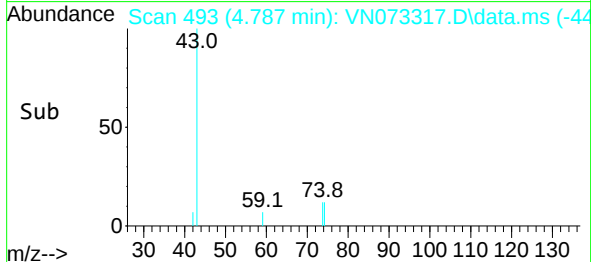
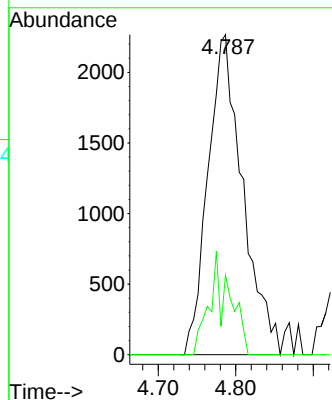
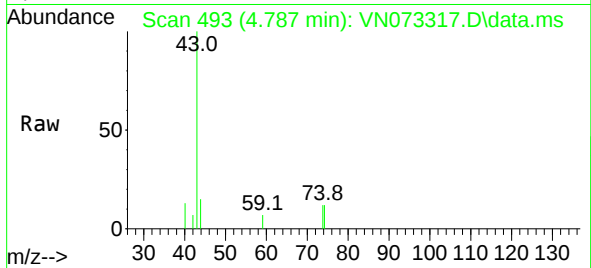




#18
Methyl Acetate
Concen: 1.127 ug/l
RT: 4.787 min Scan# 491
Delta R.T. 0.012 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

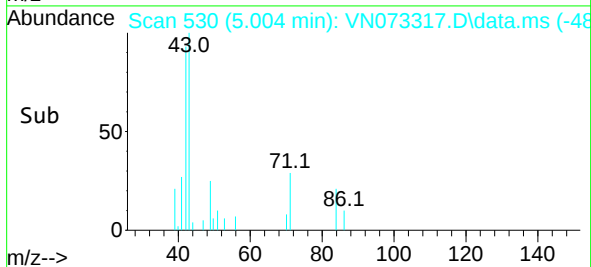
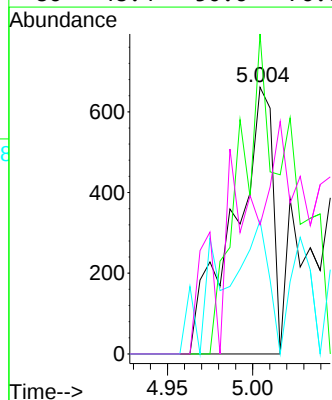
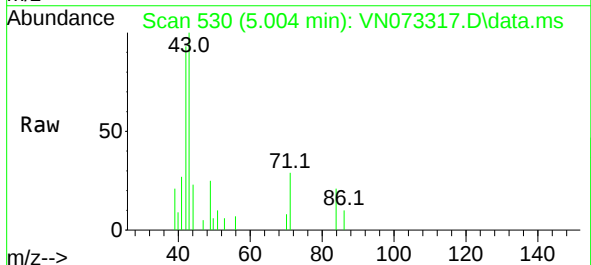
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-11-1-GRME

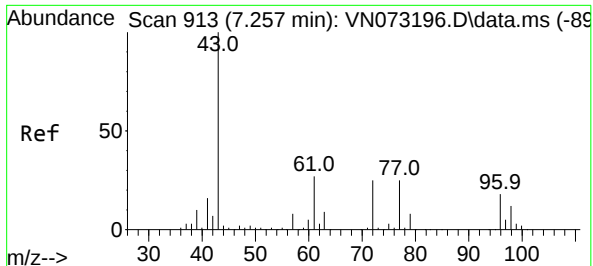
Tgt Ion: 43 Resp: 7047
Ion Ratio Lower Upper
43 100
74 10.0 21.6 32.4#



#20
Methylene Chloride
Concen: 0.264 ug/l
RT: 5.004 min Scan# 530
Delta R.T. -0.012 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

Tgt Ion: 84 Resp: 1034
Ion Ratio Lower Upper
84 100
49 120.0 88.3 132.5
51 49.9 28.2 42.2#
86 48.4 50.6 76.0#





#25

2-Butanone

Concen: 0.505 ug/l

RT: 7.263 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN073317.D

Acq: 05 Jul 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

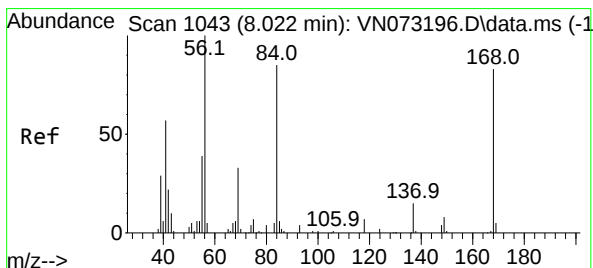
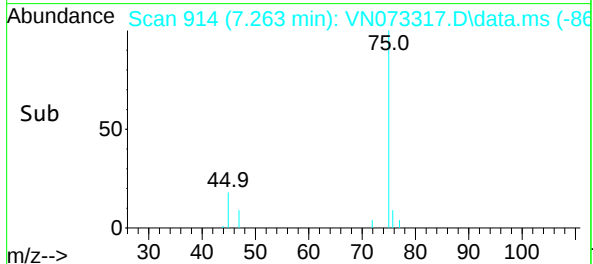
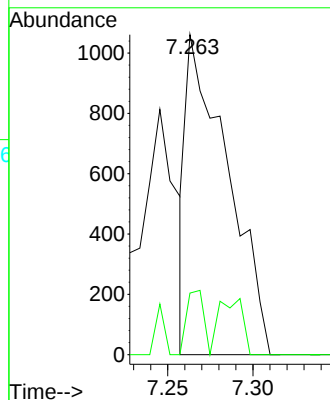
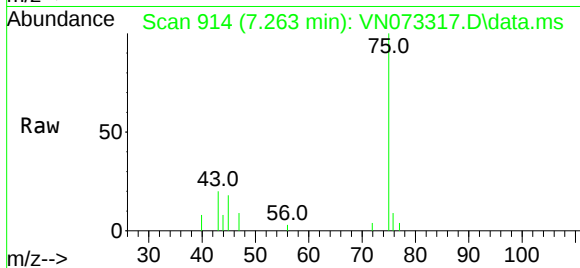
WC-14B-11-1-GRME

Tgt Ion: 43 Resp: 1793

Ion Ratio Lower Upper

43 100

72 19.2 23.7 35.5#



#31

Cyclohexane

Concen: 4.999 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073317.D

Acq: 05 Jul 2022 15:58

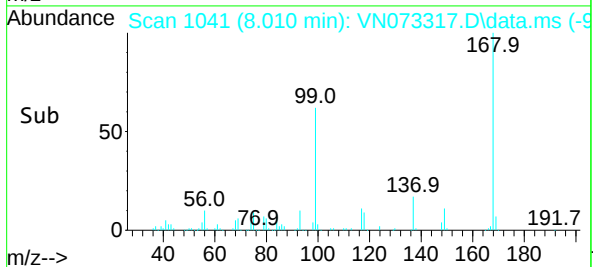
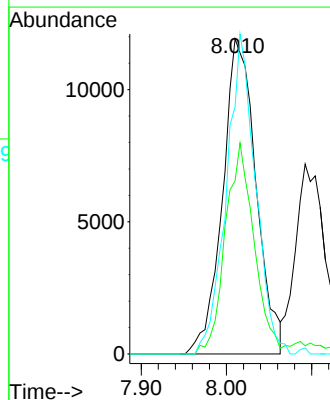
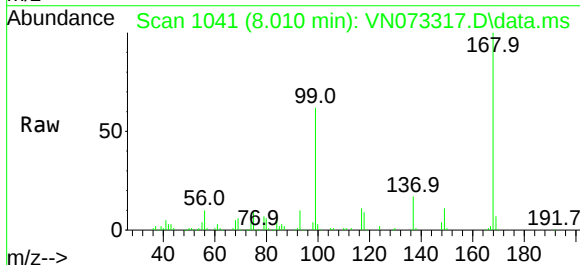
Tgt Ion: 56 Resp: 32541

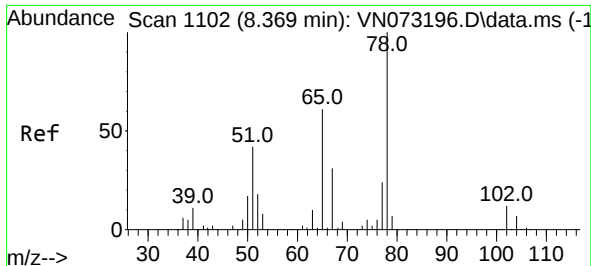
Ion Ratio Lower Upper

56 100

69 55.0 27.8 41.8#

84 78.5 76.9 115.3

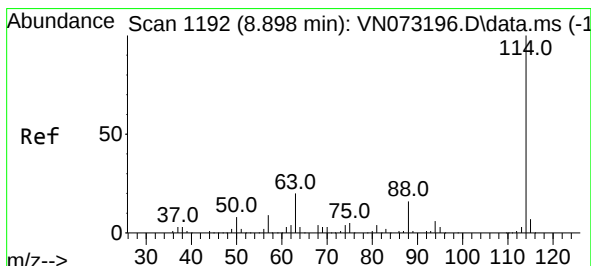
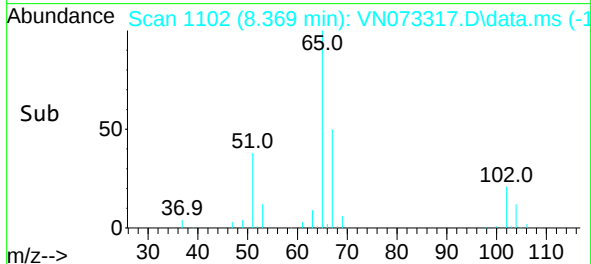
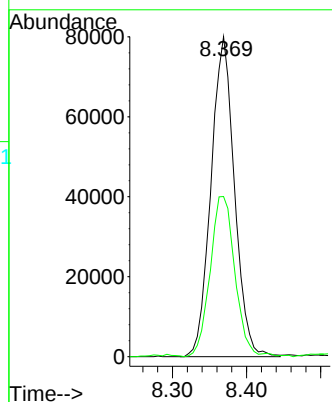
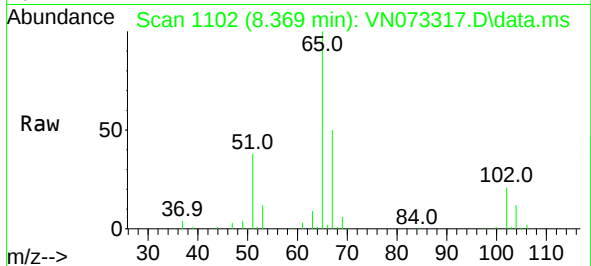




#33
1,2-Dichloroethane-d4
Concen: 44.269 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

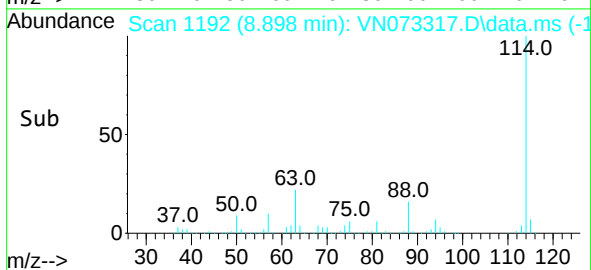
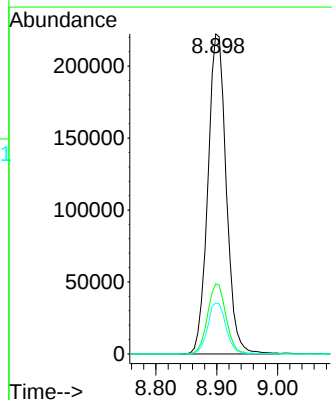
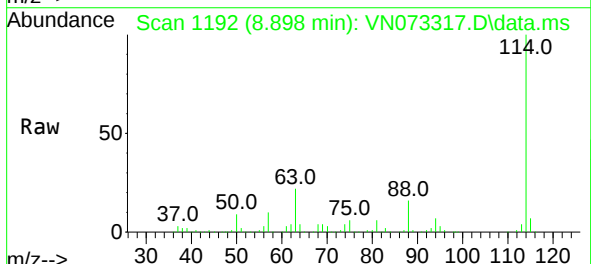
Instrument :
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ClientSampleId :
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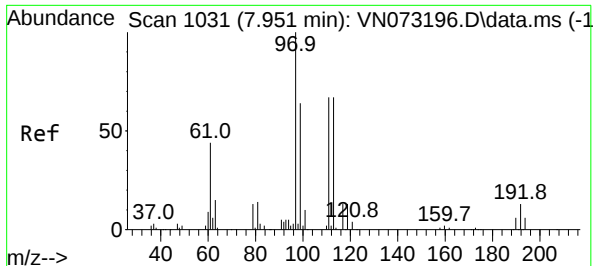
Tgt Ion: 65 Resp: 175938
Ion Ratio Lower Upper
65 100
67 53.1 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.898 min Scan# 1192
Delta R.T. 0.000 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

Tgt Ion: 114 Resp: 465003
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.0
88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.415 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN073317.D

Acq: 05 Jul 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

WC-14B-11-1-GRME

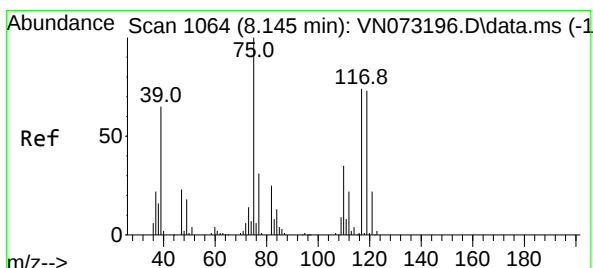
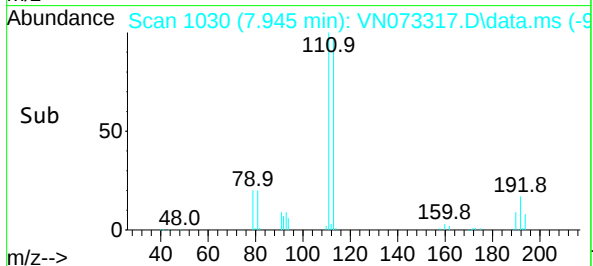
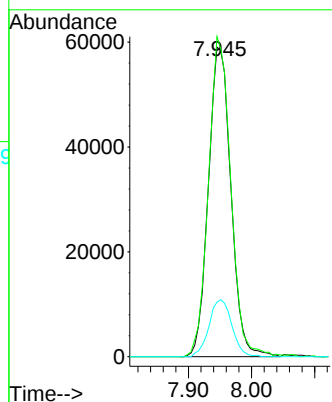
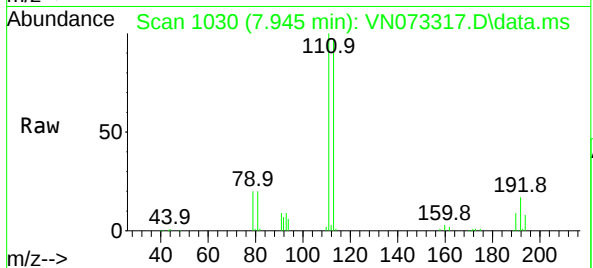
Tgt Ion:113 Resp: 146689

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

192 18.6 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.821 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.135 min

Lab File: VN073317.D

Acq: 05 Jul 2022 15:58

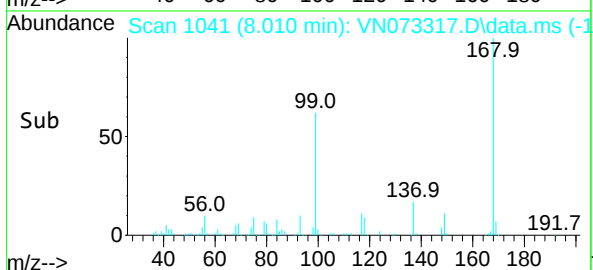
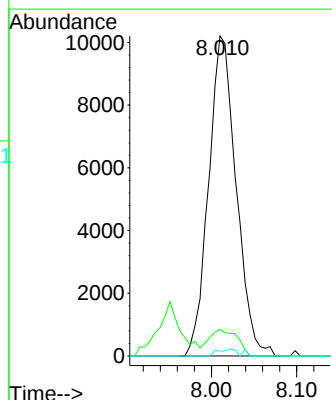
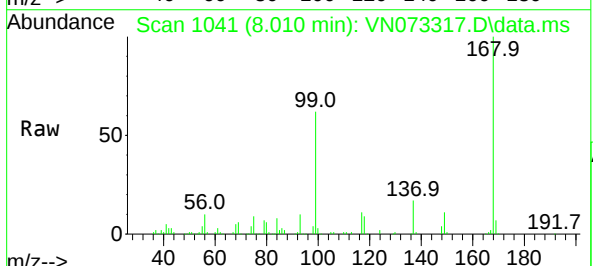
Tgt Ion: 75 Resp: 22948

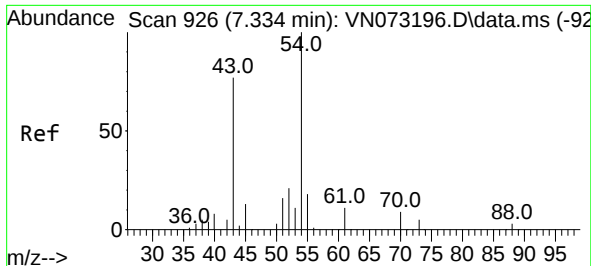
Ion Ratio Lower Upper

75 100

110 8.4 18.3 54.8#

77 1.7 25.1 37.7#

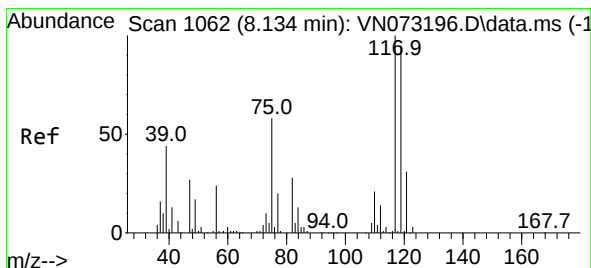
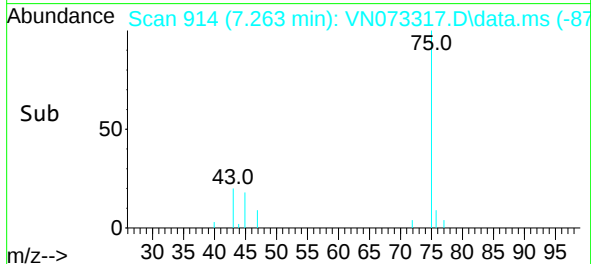
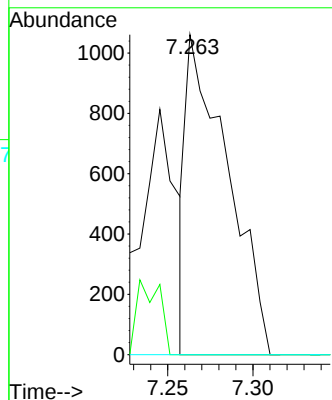
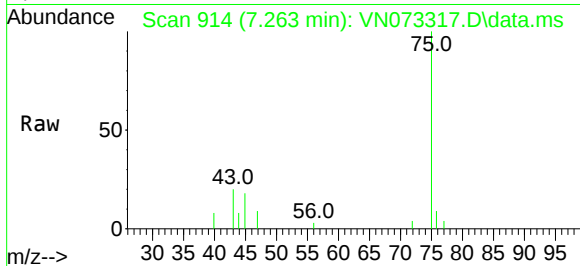




#37
Ethyl Acetate
Concen: 0.249 ug/l
RT: 7.263 min Scan# 91
Delta R.T. -0.071 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

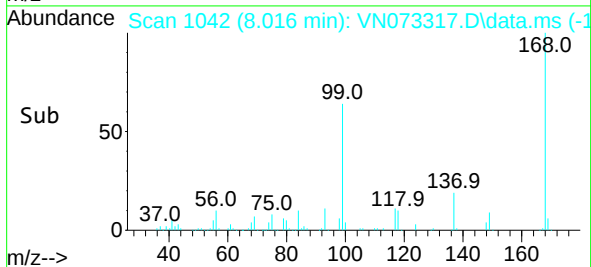
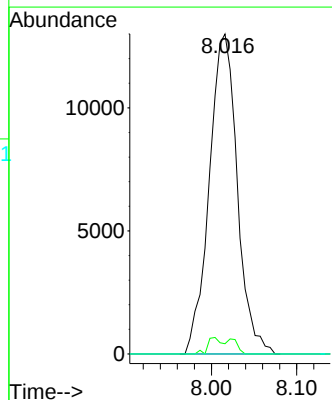
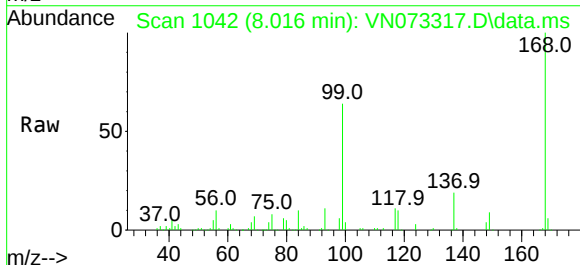
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WC-14B-11-1-GRME

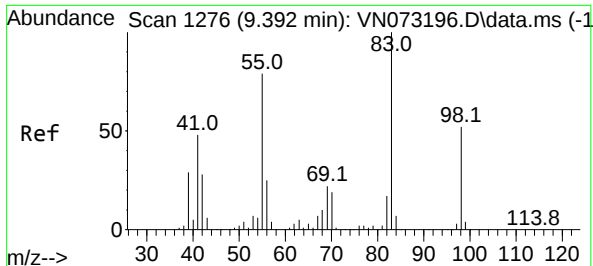
Tgt Ion: 43 Resp: 1793
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.035 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

Tgt Ion: 117 Resp: 29707
Ion Ratio Lower Upper
117 100
119 3.2 75.8 113.8#
121 0.0 24.6 37.0#





#39

Methylcyclohexane

Concen: 9.513 ug/l

RT: 9.392 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN073317.D

Acq: 05 Jul 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

WC-14B-11-1-GRME

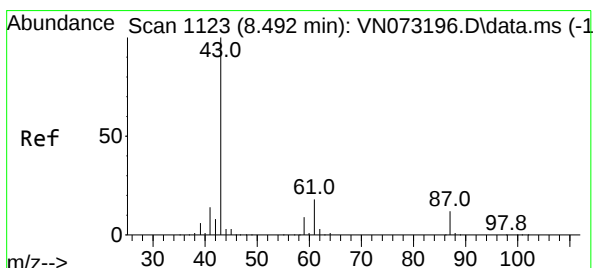
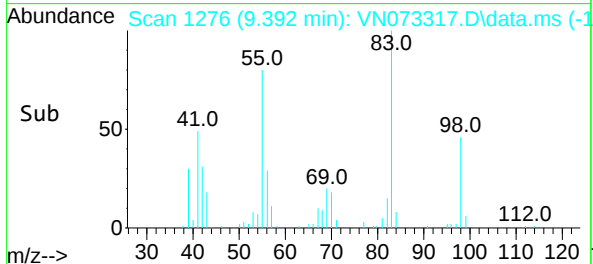
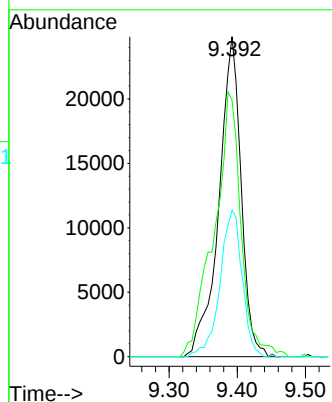
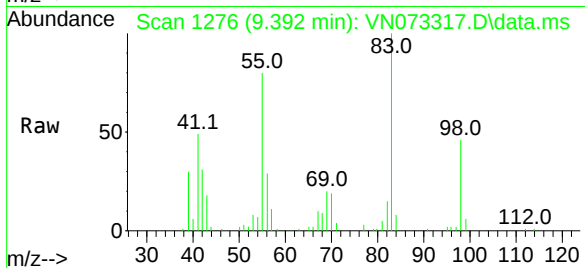
Tgt Ion: 83 Resp: 56378

Ion Ratio Lower Upper

83 100

55 80.2 57.8 86.8

98 45.8 39.4 59.2



#43

Isopropyl Acetate

Concen: 0.864 ug/l

RT: 8.486 min Scan# 1122

Delta R.T. -0.006 min

Lab File: VN073317.D

Acq: 05 Jul 2022 15:58

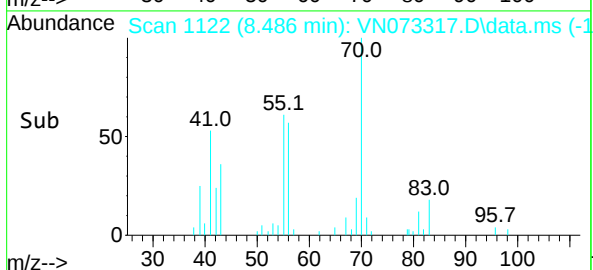
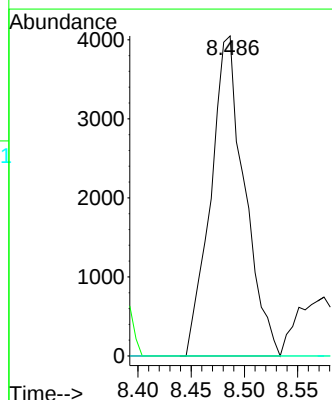
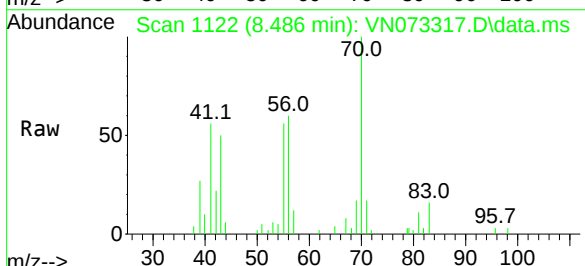
Tgt Ion: 43 Resp: 8928

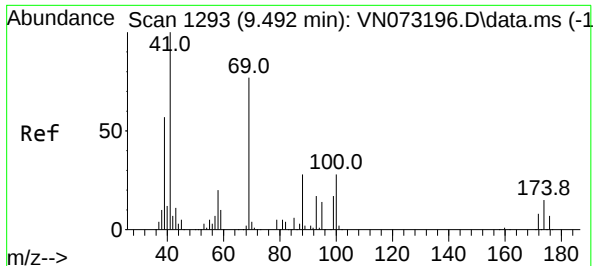
Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#





#48

Methyl methacrylate

Concen: 0.800 ug/l

RT: 9.439 min Scan# 1284

Delta R.T. -0.053 min

Lab File: VN073317.D

Acq: 05 Jul 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

WC-14B-11-1-GRME

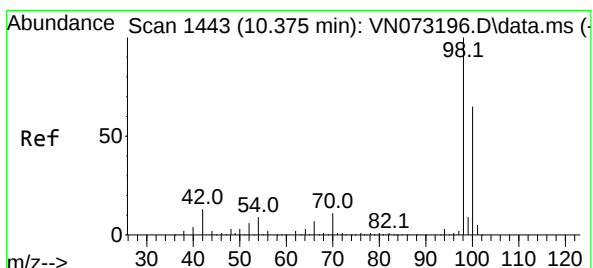
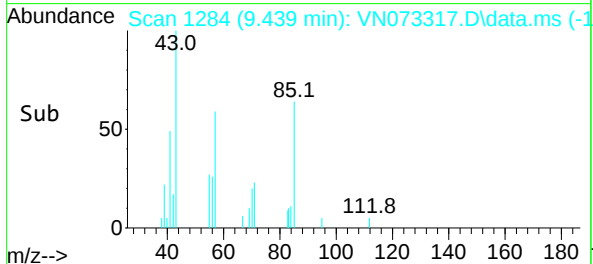
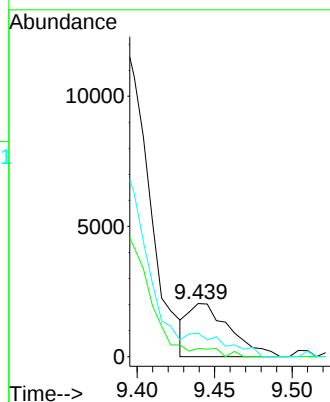
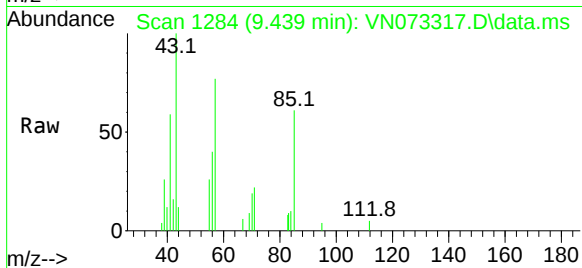
Tgt Ion: 41 Resp: 3829

Ion Ratio Lower Upper

41 100

69 0.0 74.7 112.1#

39 0.0 45.6 68.4#



#50

Toluene-d8

Concen: 45.721 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.005 min

Lab File: VN073317.D

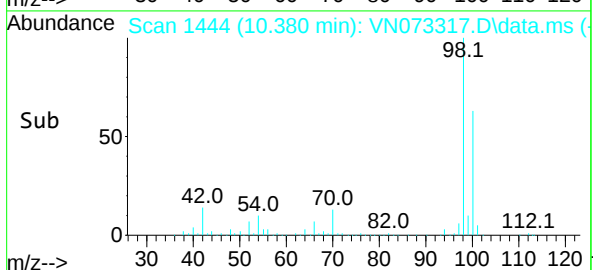
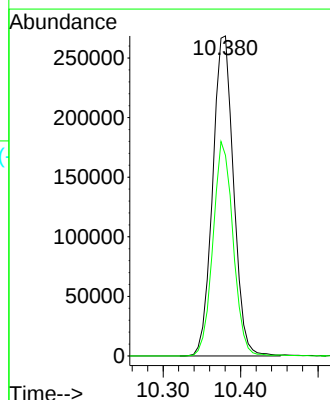
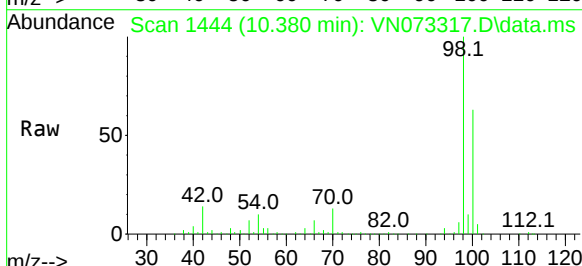
Acq: 05 Jul 2022 15:58

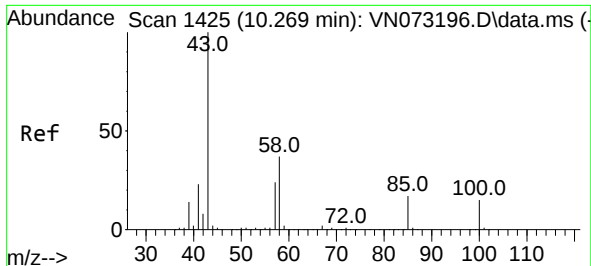
Tgt Ion: 98 Resp: 502381

Ion Ratio Lower Upper

98 100

100 64.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.215 ug/l

RT: 10.280 min Scan# 1427

Delta R.T. 0.011 min

Lab File: VN073317.D

Acq: 05 Jul 2022 15:58

Instrument :

MSVOA_N

ClientSampleId :

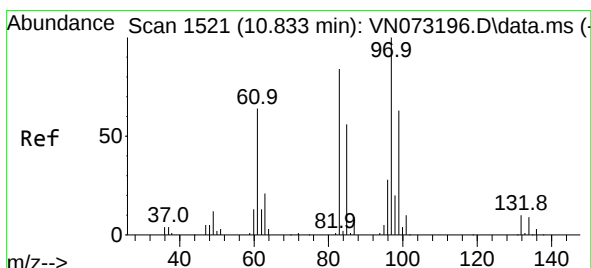
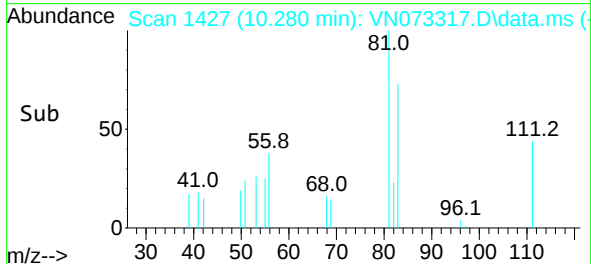
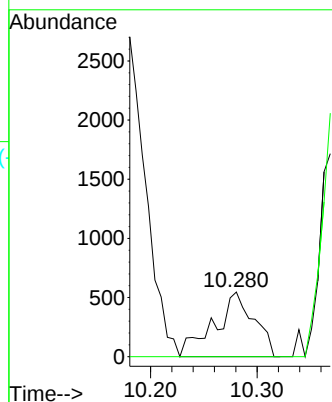
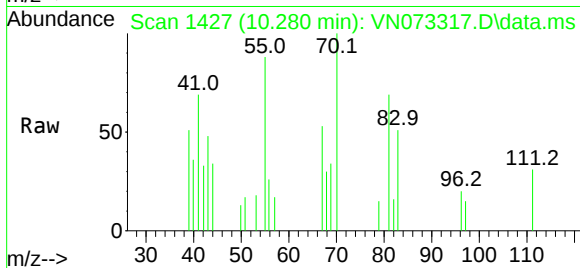
WC-14B-11-1-GRME

Tgt Ion: 43 Resp: 1407

Ion Ratio Lower Upper

43 100

58 0.0 34.1 51.1#



#55

1,1,2-Trichloroethane

Concen: 2.109 ug/l

RT: 10.810 min Scan# 1517

Delta R.T. -0.023 min

Lab File: VN073317.D

Acq: 05 Jul 2022 15:58

Tgt Ion: 97 Resp: 7883

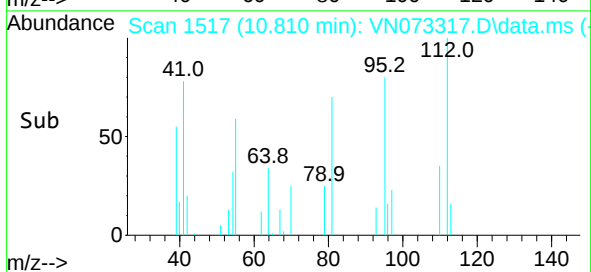
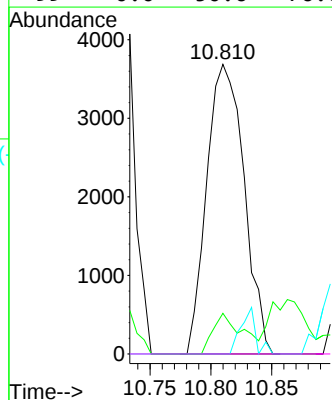
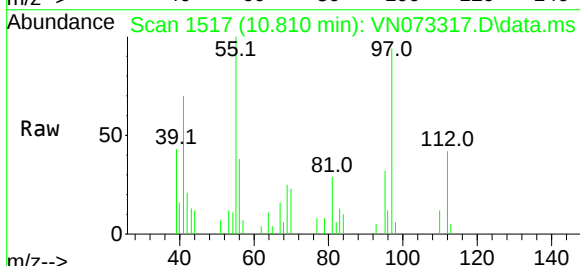
Ion Ratio Lower Upper

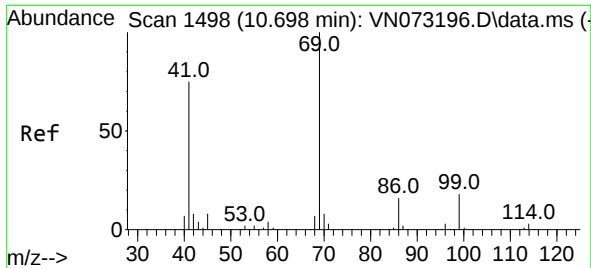
97 100

83 14.0 66.2 99.4#

85 0.0 43.9 65.9#

99 0.0 50.6 76.0#

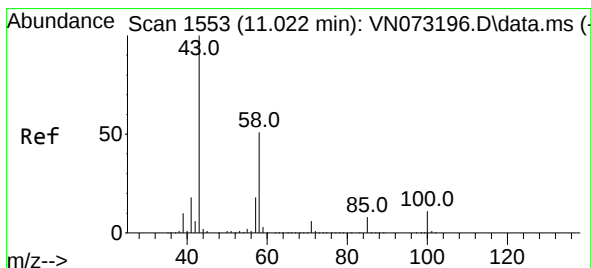
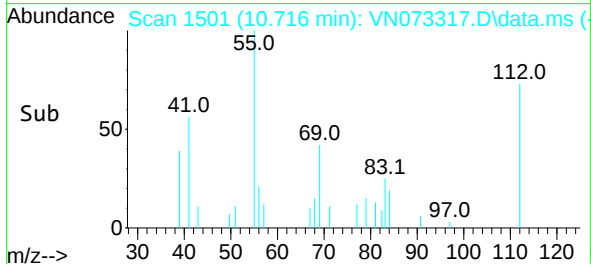
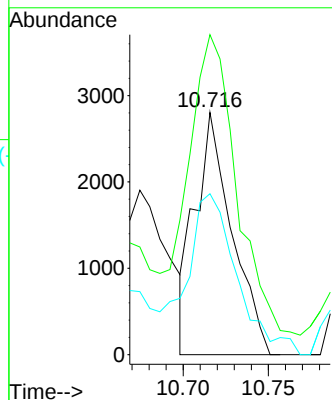
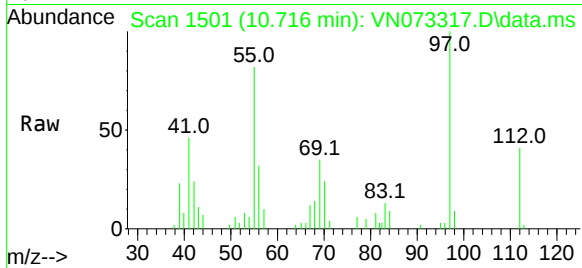




#56
Ethyl methacrylate
Concen: 0.696 ug/l
RT: 10.716 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

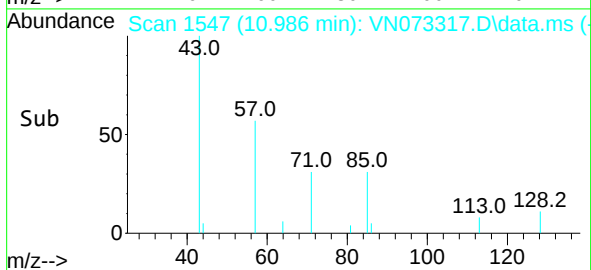
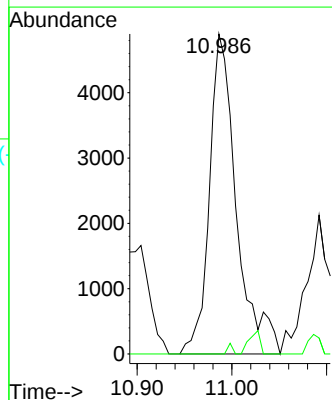
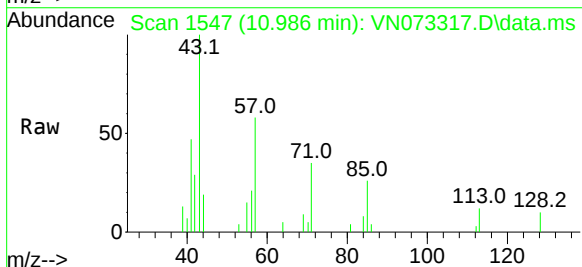
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-11-1-GRME

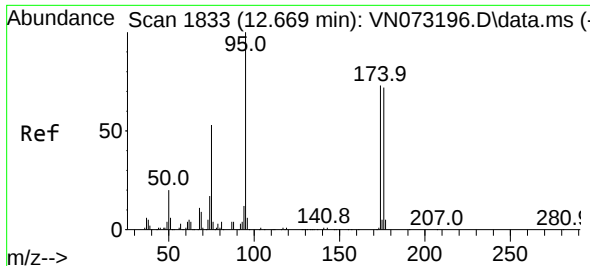
Tgt Ion: 69 Resp: 4206
Ion Ratio Lower Upper
69 100
41 166.4 47.8 71.6#
39 90.2 27.3 40.9#



#59
2-Hexanone
Concen: 1.937 ug/l
RT: 10.986 min Scan# 1547
Delta R.T. -0.036 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

Tgt Ion: 43 Resp: 9678
Ion Ratio Lower Upper
43 100
58 0.6 29.7 89.1#

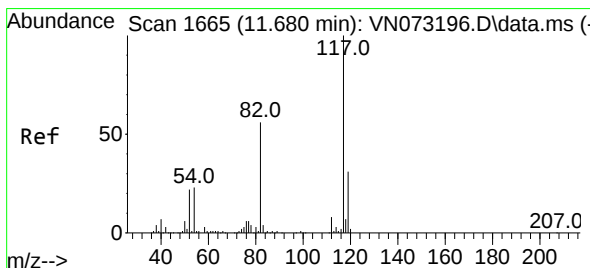
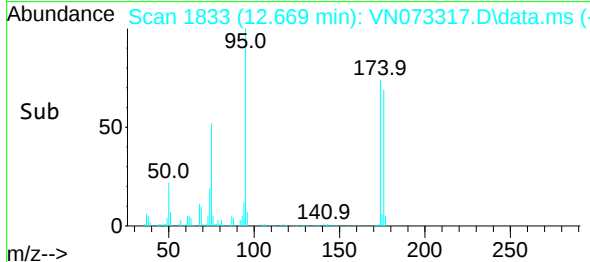
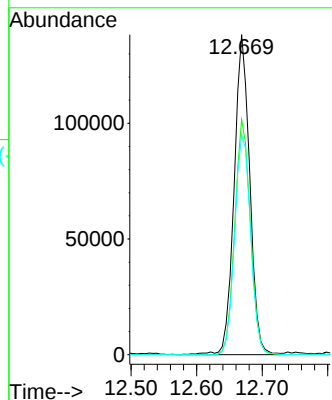
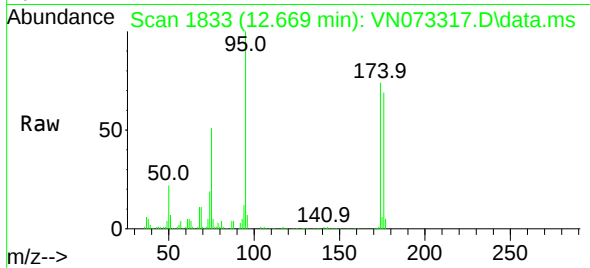




#62
4-Bromofluorobenzene
Concen: 54.191 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

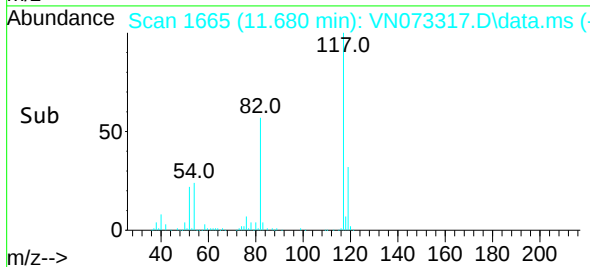
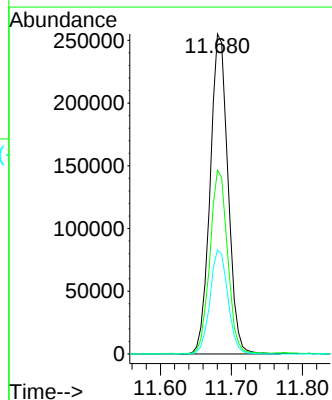
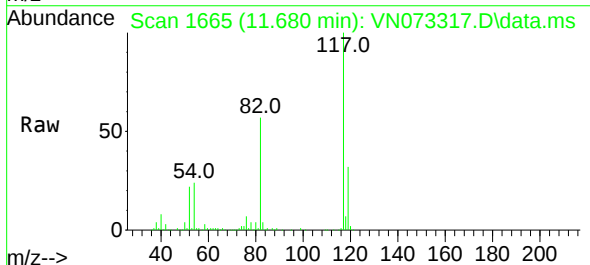
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-11-1-GRME

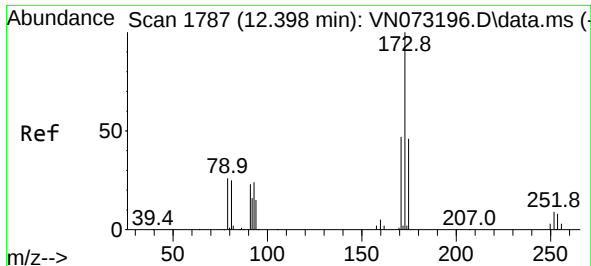
Tgt Ion: 95 Resp: 228826
Ion Ratio Lower Upper
95 100
174 74.0 0.0 167.6
176 70.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

Tgt Ion: 117 Resp: 445230
Ion Ratio Lower Upper
117 100
82 57.3 44.2 66.2
119 32.5 25.4 38.0

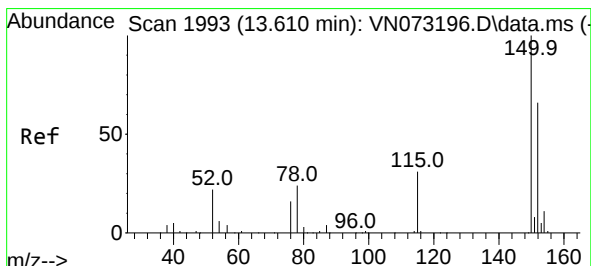
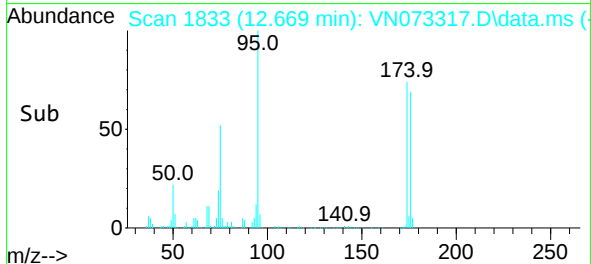
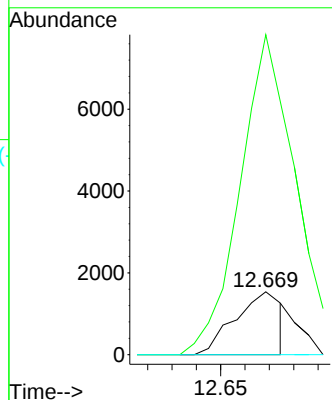
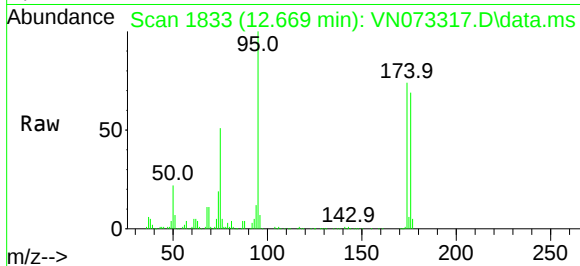




#71
Bromoform
Concen: 0.754 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

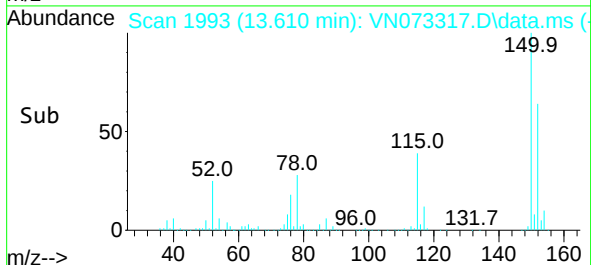
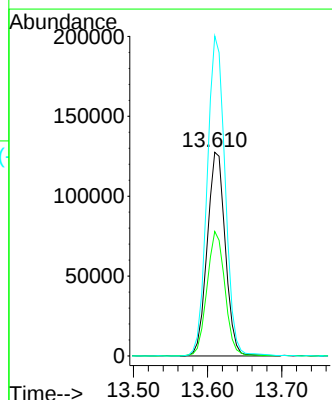
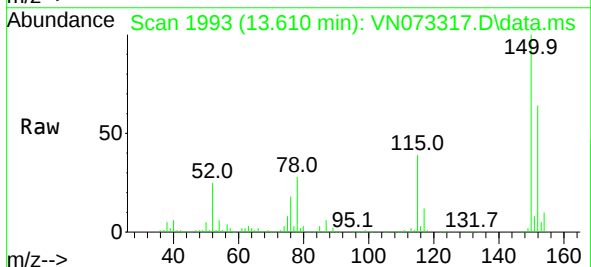
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-11-1-GRME

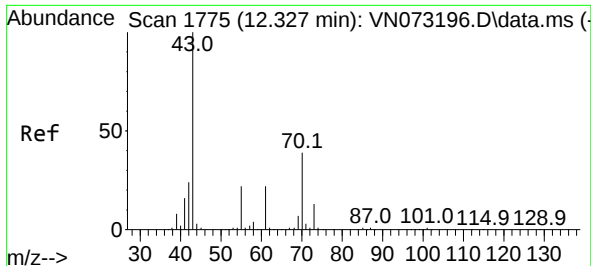
Tgt Ion:173 Resp: 2044
Ion Ratio Lower Upper
173 100
175 455.4 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

Tgt Ion:152 Resp: 216669
Ion Ratio Lower Upper
152 100
115 60.7 28.9 86.7
150 156.3 0.0 356.2

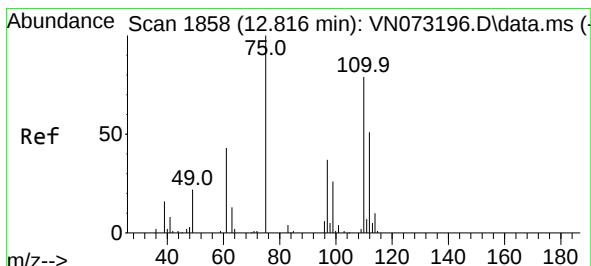
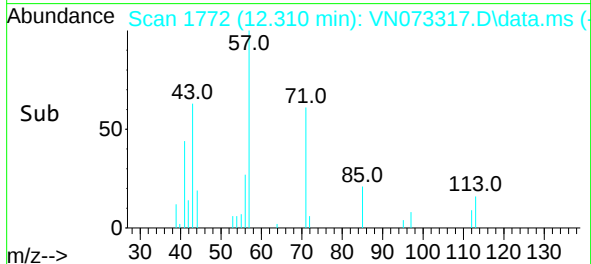
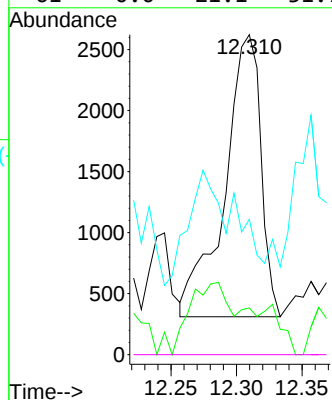
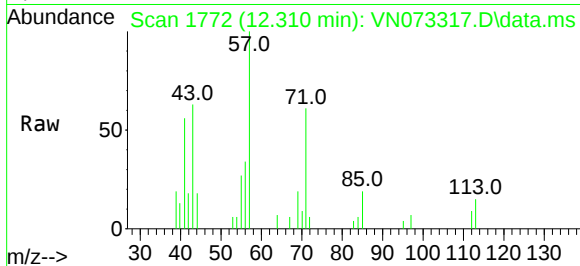




#74
N-amy1 acetate
Concen: 0.475 ug/l
RT: 12.310 min Scan# 1772
Delta R.T. -0.017 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

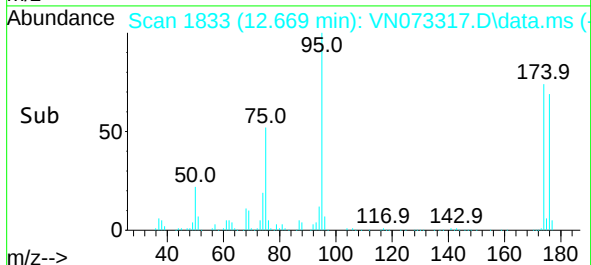
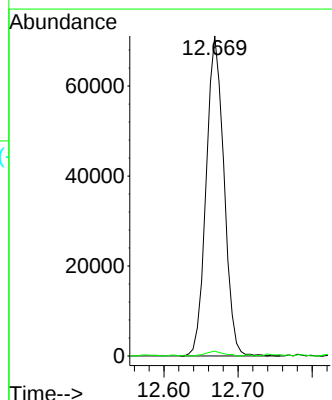
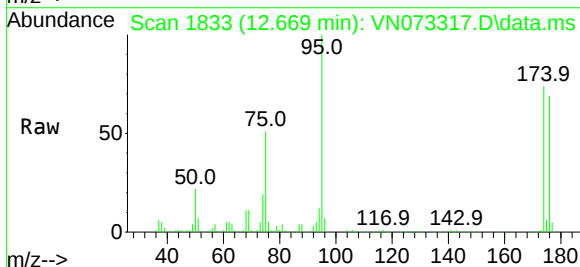
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-11-1-GRME

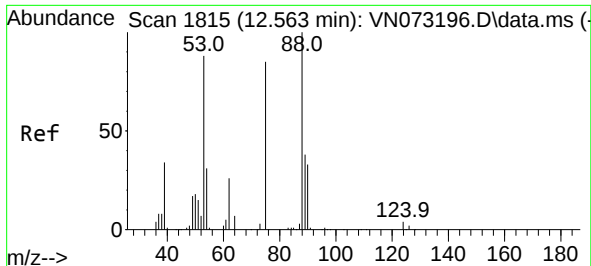
Tgt Ion: 43	Resp: 4448
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.4#
55	0.0 21.1 31.7#
61	0.0 21.1 31.7#



#76
1,2,3-Trichloropropane
Concen: 20.902 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

Tgt Ion: 75	Resp: 118418
Ion Ratio	Lower Upper
75	100
77	1.5 98.5 295.5#

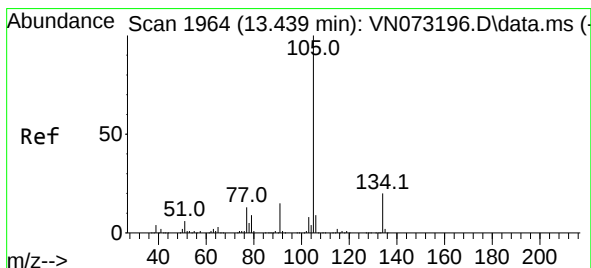
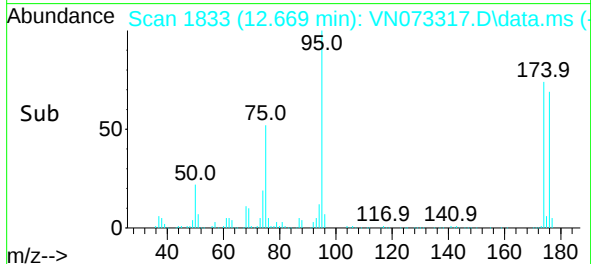
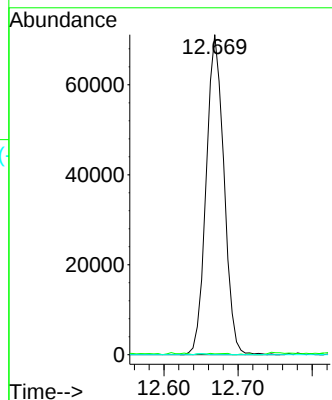
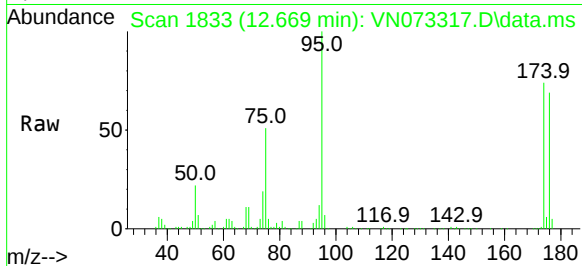




#81
trans-1,4-Dichloro-2-butene
Concen: 57.322 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

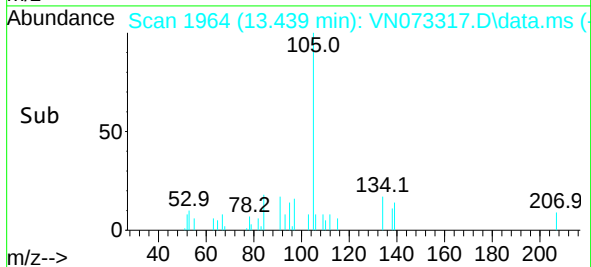
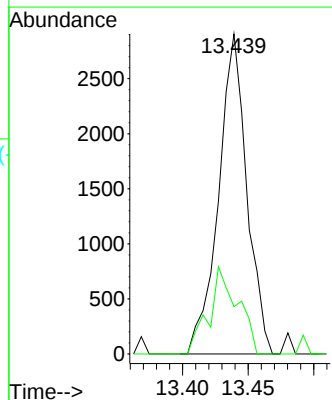
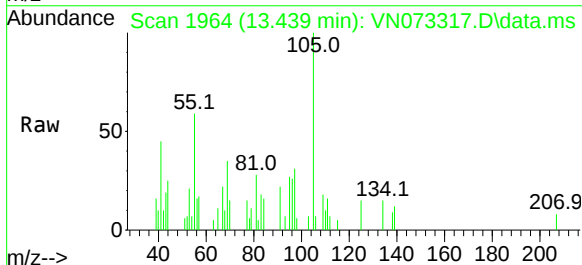
Instrument :
MSVOA_N
ClientSampleId :
WC-14B-11-1-GRME

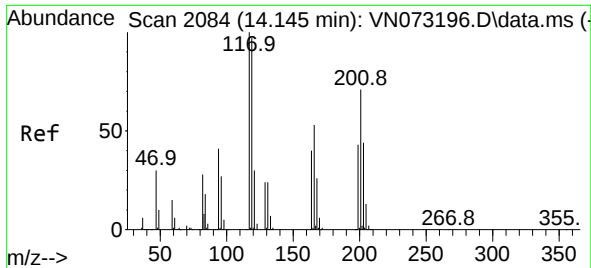
Tgt Ion: 75 Resp: 118418
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#



#85
sec-Butylbenzene
Concen: 0.237 ug/l
RT: 13.439 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

Tgt Ion:105 Resp: 4352
Ion Ratio Lower Upper
105 100
134 27.8 10.4 31.1

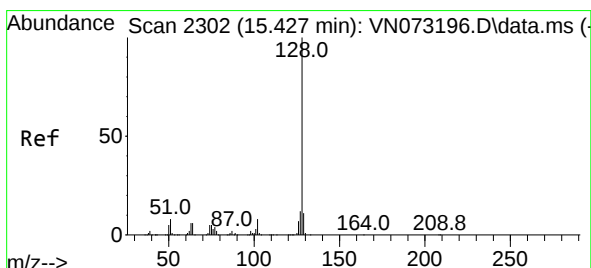
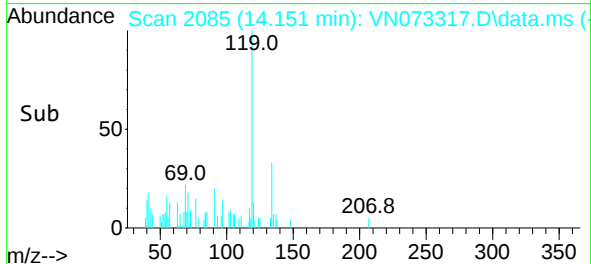
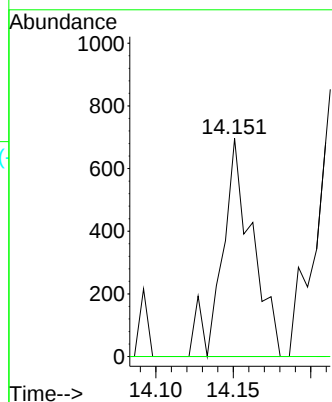
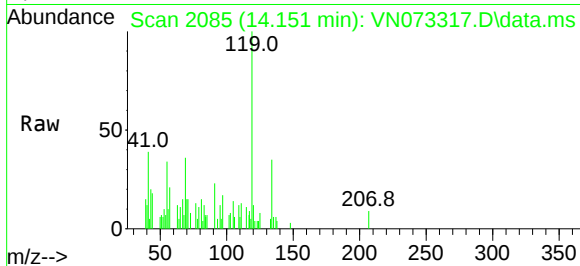




#90
Hexachloroethane
Concen: 0.341 ug/l
RT: 14.151 min Scan# 2085
Delta R.T. 0.006 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

Instrument :
MSVOA_N
ClientSampleId :
WC-14B-11-1-GRME

Tgt Ion:117 Resp: 943
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 0.230 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073317.D
Acq: 05 Jul 2022 15:58

Tgt Ion:128 Resp: 3849
Ion Ratio Lower Upper
128 100
127 19.7 10.3 15.5#
129 21.0 8.6 13.0#

