

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050222\
 Data File : VN072300.D
 Acq On : 02 May 2022 17:46
 Operator : JC\MD
 Sample : N2653-08RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 03 03:13:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

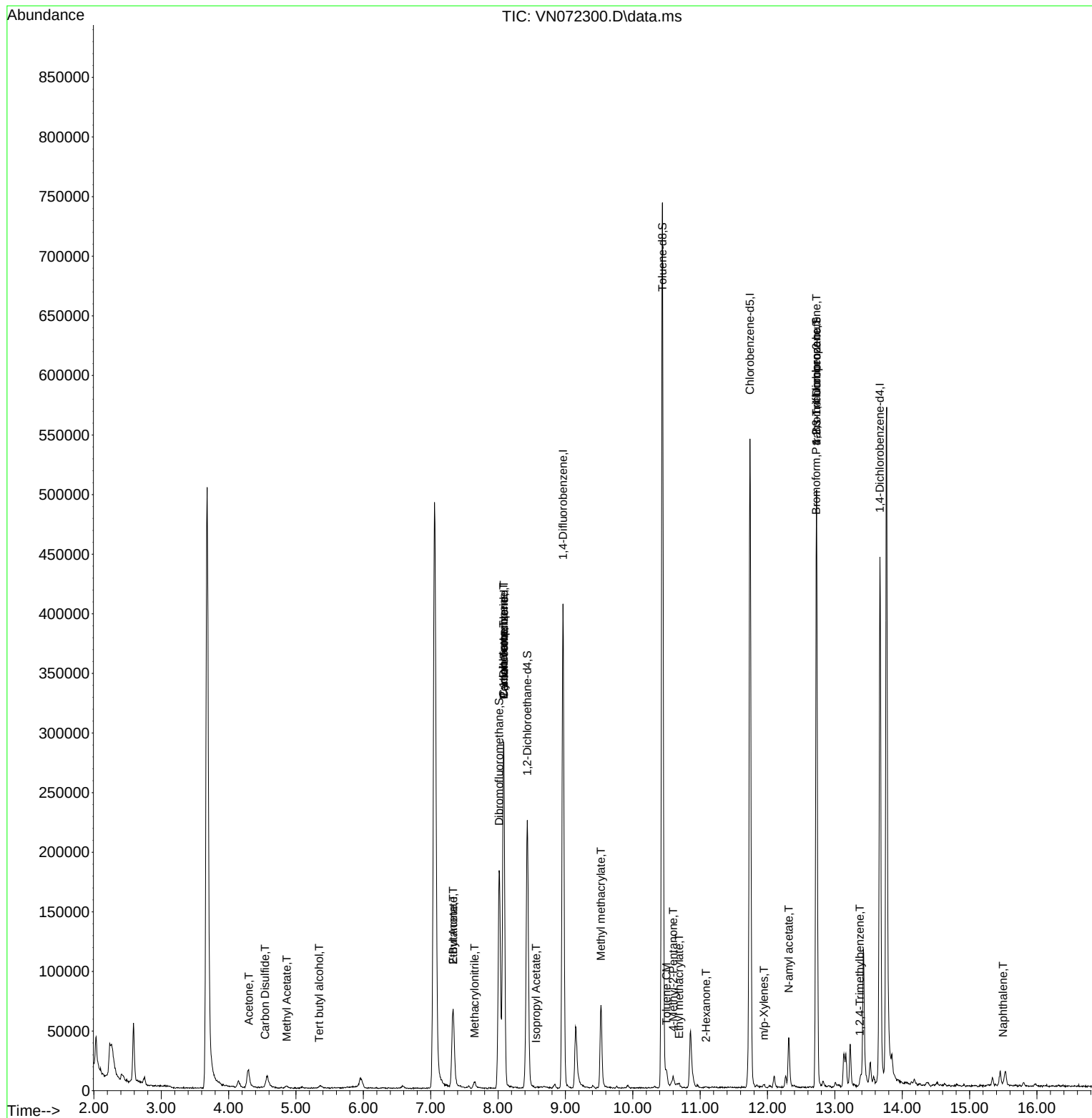
Internal Standards						
1) Pentafluorobenzene	8.086	168	202992	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	330620	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	292562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	110447	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	203737	65.376	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 130.760%	
35) Dibromofluoromethane	8.016	113	130398	61.620	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 123.240%	
50) Toluene-d8	10.439	98	471706	56.728	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 113.460%	
62) 4-Bromofluorobenzene	12.727	95	163397	59.202	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 118.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	826	Below Cal		96
6) Chloroethane	3.040	64	287	Below Cal	#	42
11) Tert butyl alcohol	5.345	59	3183	6.215	ug/l	# 78
16) Acetone	4.298	43	28653	21.326	ug/l	88
17) Carbon Disulfide	4.540	76	359	0.441	ug/l	# 75
18) Methyl Acetate	4.863	43	4124	1.059	ug/l	# 70
25) 2-Butanone	7.333	43	108355	50.639	ug/l	100
31) Cyclohexane	8.081	56	5103	1.226	ug/l	# 42
36) 1,1-Dichloropropene	8.081	75	17771	5.769	ug/l	# 50
37) Ethyl Acetate	7.333	43	108355	26.489	ug/l	# 67
38) Carbon Tetrachloride	8.086	117	23693	7.182	ug/l	# 16
41) Methacrylonitrile	7.651	41	861	0.416	ug/l	# 26
43) Isopropyl Acetate	8.563	43	289	0.845	ug/l	# 53
48) Methyl methacrylate	9.527	41	21500	7.957	ug/l	# 38
51) 4-Methyl-2-Pentanone	10.598	43	3817	0.989	ug/l	93
52) Toluene	10.498	92	3323	0.582	ug/l	96
56) Ethyl methacrylate	10.686	69	329	2.440	ug/l	# 28
59) 2-Hexanone	11.086	43	791	0.291	ug/l	# 45
68) m/p-Xylenes	11.945	106	895	0.234	ug/l	# 45
71) Bromoform	12.721	173	375	0.226	ug/l	# 28
74) N-amyl acetate	12.316	43	8433	2.308	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.839	83	148	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.727	75	97380	38.863	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	97380	101.947	ug/l	# 11
84) 1,2,4-Trimethylbenzene	13.368	105	1616	0.206	ug/l	70
95) Naphthalene	15.498	128	2457	4.692	ug/l	# 85

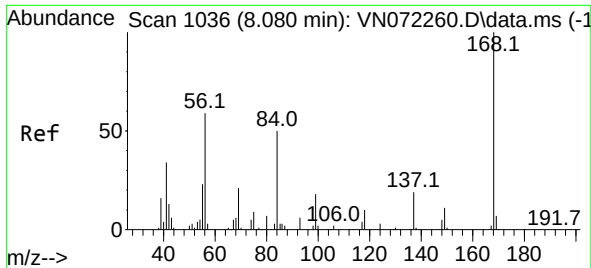
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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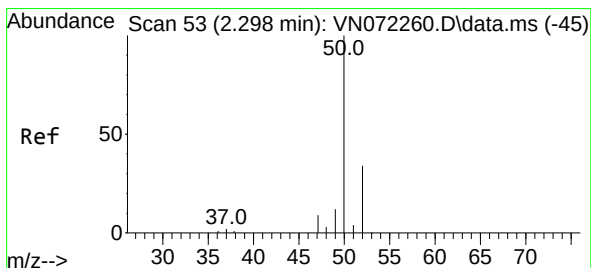
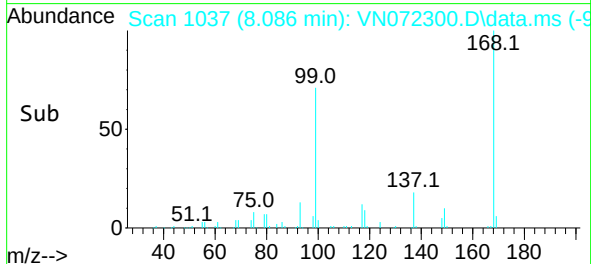
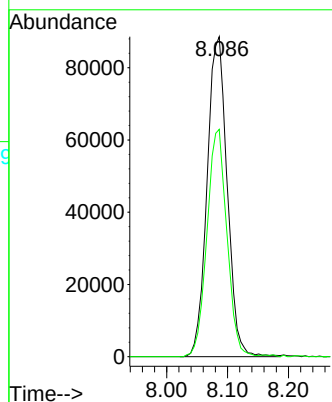
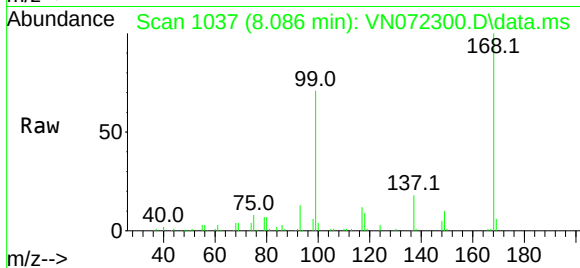




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

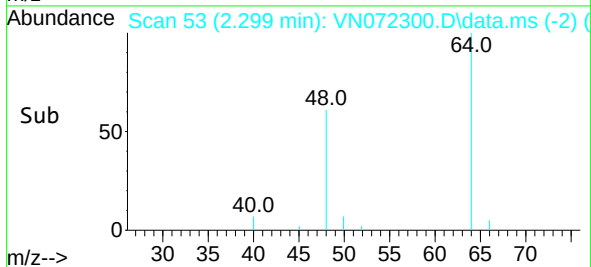
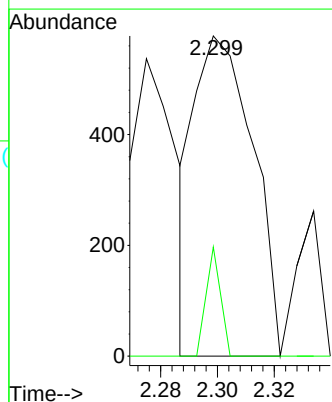
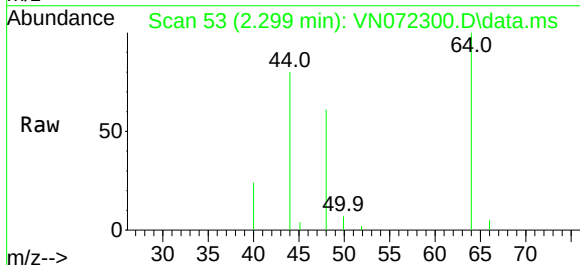
Instrument :
MSVOA_N
ClientSampleId :

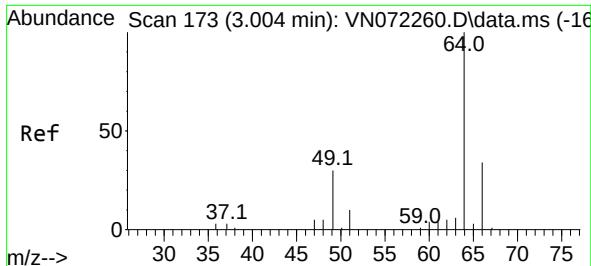
Tgt Ion:168 Resp: 202992
Ion Ratio Lower Upper
168 100
99 71.0 42.3 63.5#



#3
Chloromethane
Concen: Below Cal
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

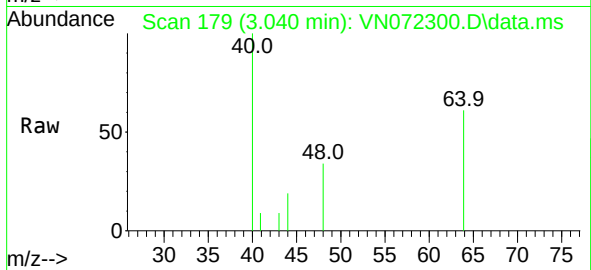
Tgt Ion: 50 Resp: 826
Ion Ratio Lower Upper
50 100
52 34.1 25.7 38.5



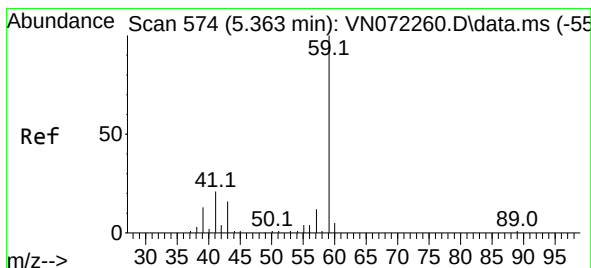
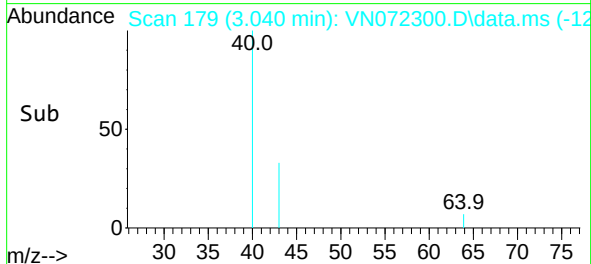
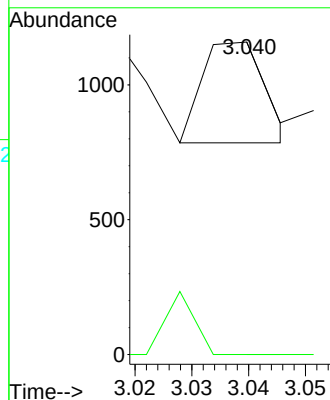


#6
Chloroethane
Concen: Below Cal
RT: 3.040 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Instrument :
MSVOA_N
ClientSampleId :

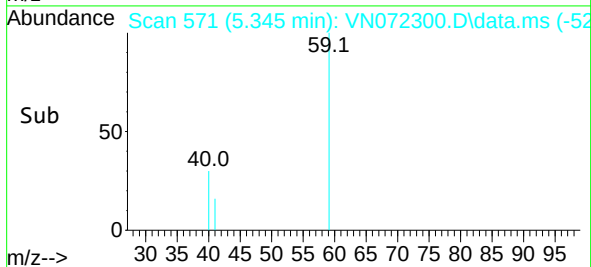
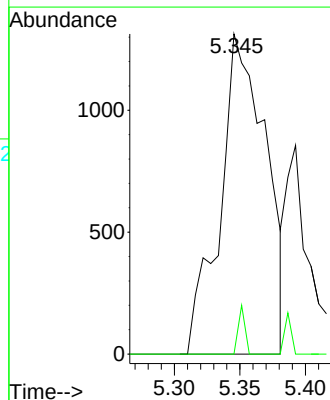
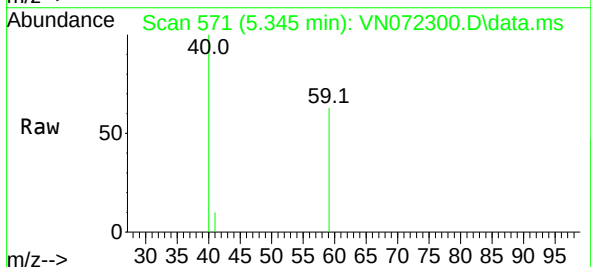


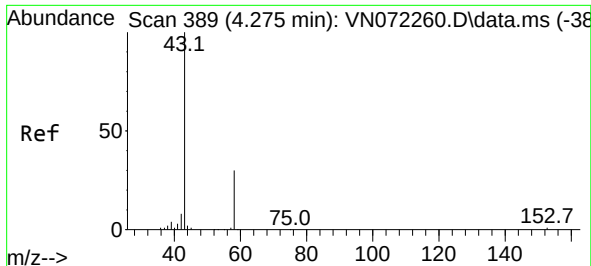
Tgt Ion: 64 Resp: 287
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 6.215 ug/l
RT: 5.345 min Scan# 571
Delta R.T. -0.018 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Tgt Ion: 59 Resp: 3183
Ion Ratio Lower Upper
59 100
57 2.2 8.3 12.5#

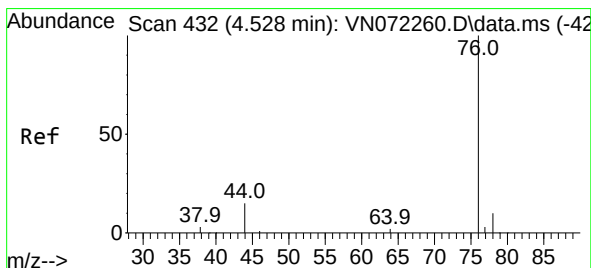
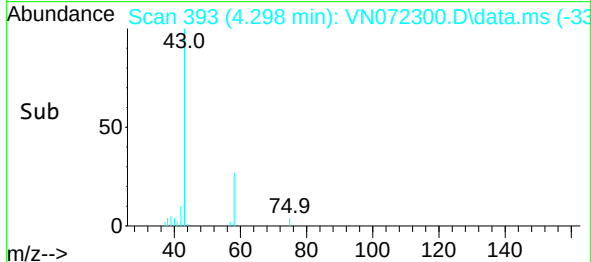
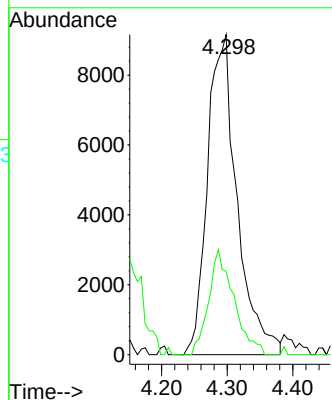
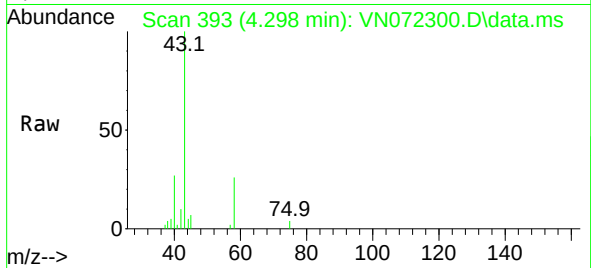




#16
Acetone
Concen: 21.326 ug/l
RT: 4.298 min Scan# 393
Delta R.T. 0.017 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

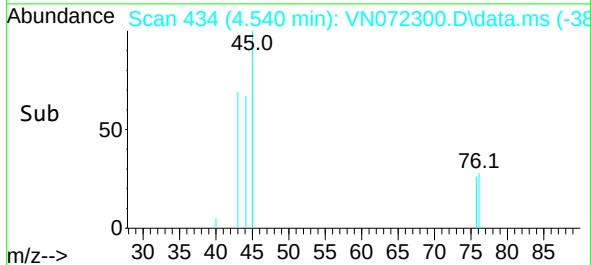
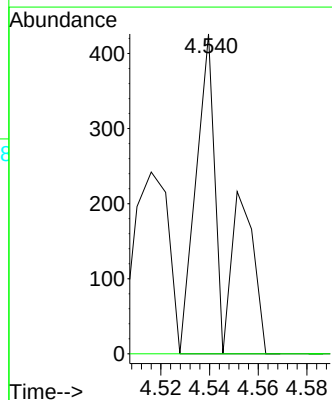
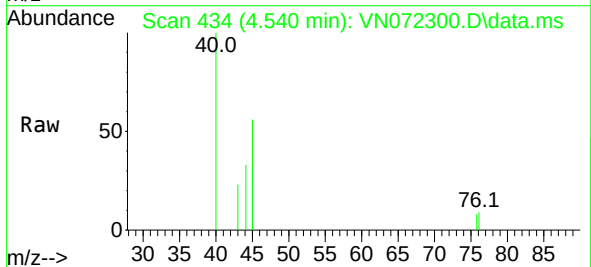
Instrument :
MSVOA_N
ClientSampleId :

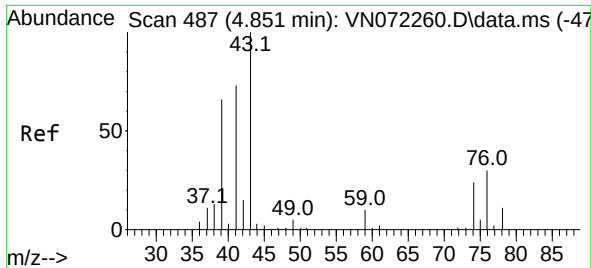
Tgt Ion: 43 Resp: 28653
Ion Ratio Lower Upper
43 100
58 26.0 26.0 39.0



#17
Carbon Disulfide
Concen: 0.441 ug/l
RT: 4.540 min Scan# 434
Delta R.T. 0.006 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Tgt Ion: 76 Resp: 359
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

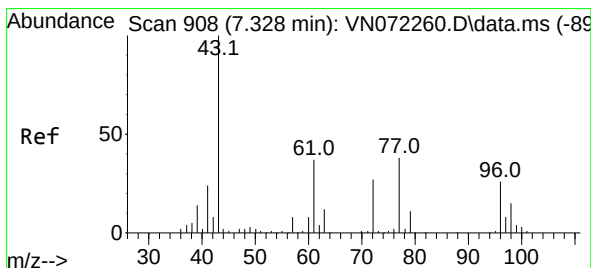
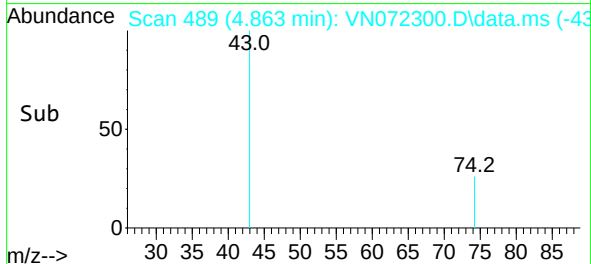
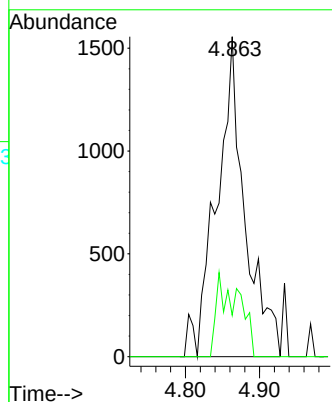
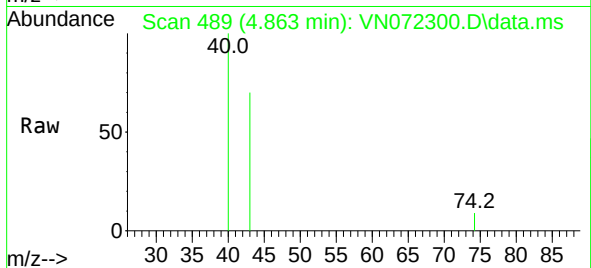




#18
Methyl Acetate
Concen: 1.059 ug/l
RT: 4.863 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

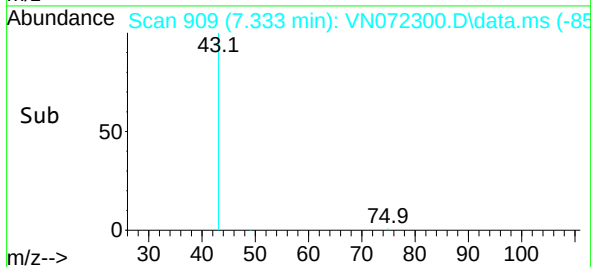
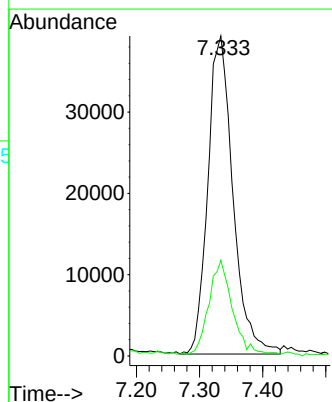
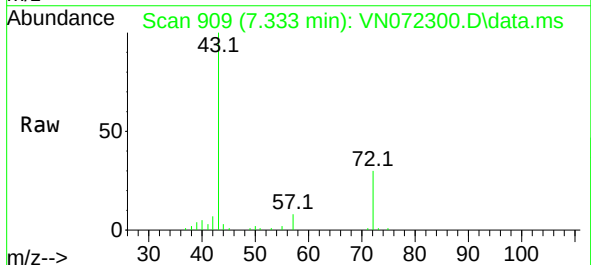
Instrument :
MSVOA_N
ClientSampleId :

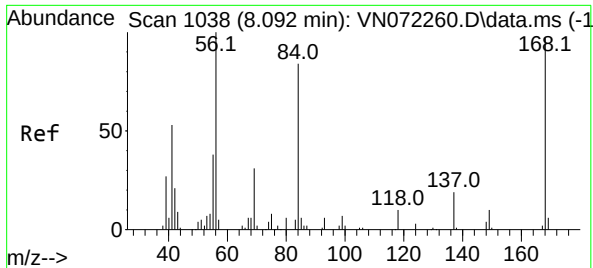
Tgt Ion: 43 Resp: 4124
Ion Ratio Lower Upper
43 100
74 11.4 21.6 32.4#



#25
2-Butanone
Concen: 50.639 ug/l
RT: 7.333 min Scan# 909
Delta R.T. 0.005 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

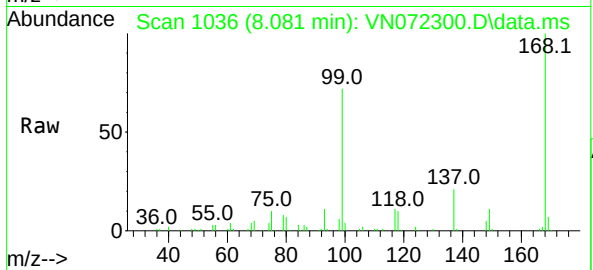
Tgt Ion: 43 Resp: 108355
Ion Ratio Lower Upper
43 100
72 29.5 23.7 35.5



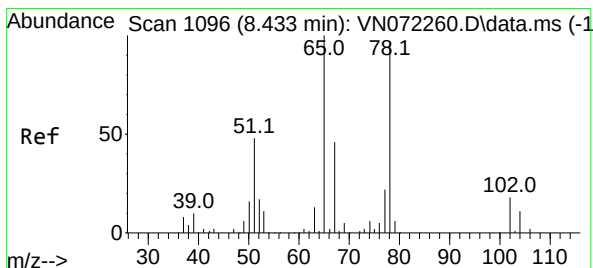
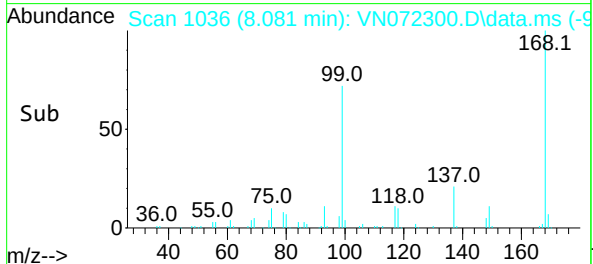
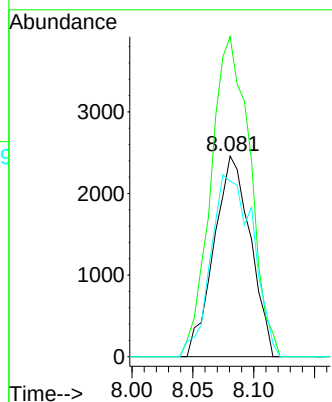


#31
Cyclohexane
Concen: 1.226 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Instrument :
MSVOA_N
ClientSampleId :

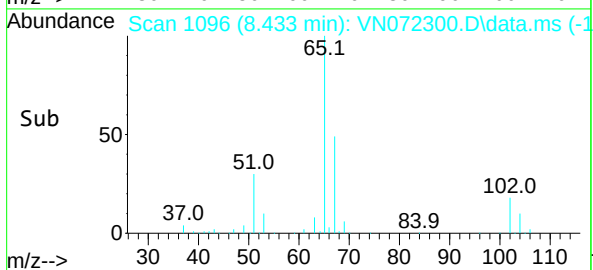
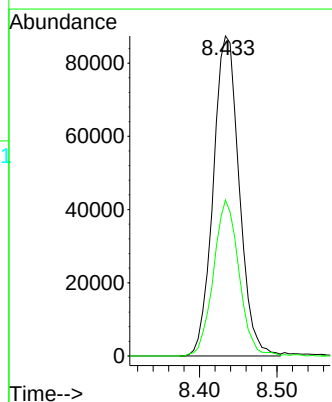
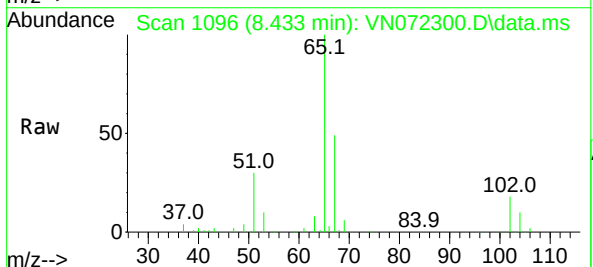


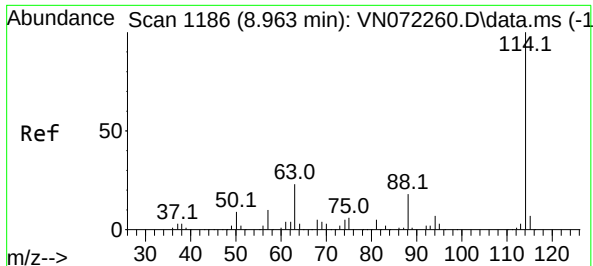
Tgt Ion: 56 Resp: 5103
Ion Ratio Lower Upper
56 100
69 159.4 27.8 41.8#
84 95.2 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 65.376 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Tgt Ion: 65 Resp: 203737
Ion Ratio Lower Upper
65 100
67 47.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072300.D

Acq: 02 May 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

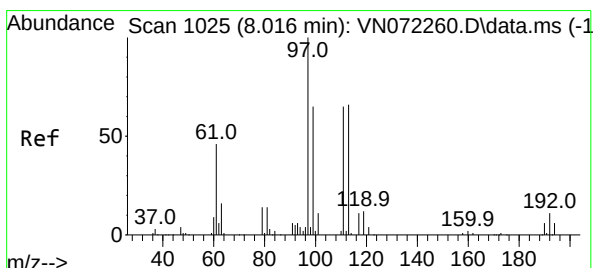
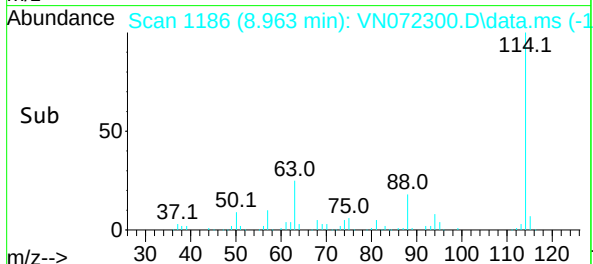
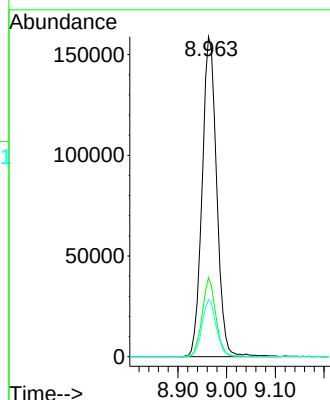
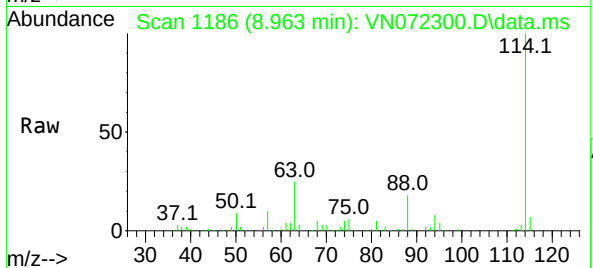
Tgt Ion:114 Resp: 330620

Ion Ratio Lower Upper

114 100

63 24.7 0.0 40.0

88 17.8 0.0 32.6



#35

Dibromofluoromethane

Concen: 61.620 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN072300.D

Acq: 02 May 2022 17:46

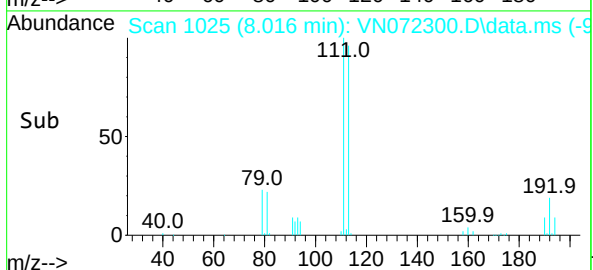
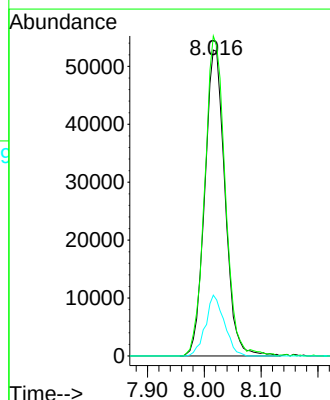
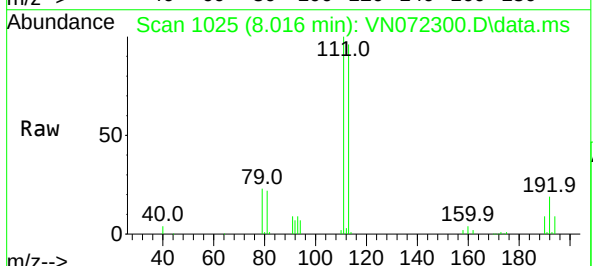
Tgt Ion:113 Resp: 130398

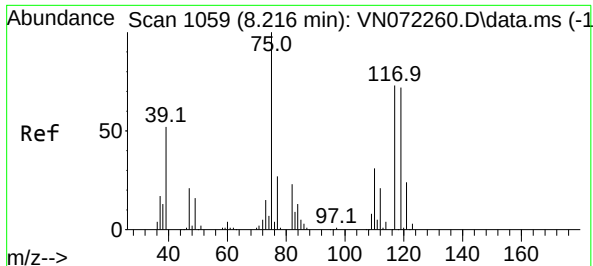
Ion Ratio Lower Upper

113 100

111 105.5 81.4 122.0

192 18.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.769 ug/l

RT: 8.081 min Scan# 1

Delta R.T. -0.135 min

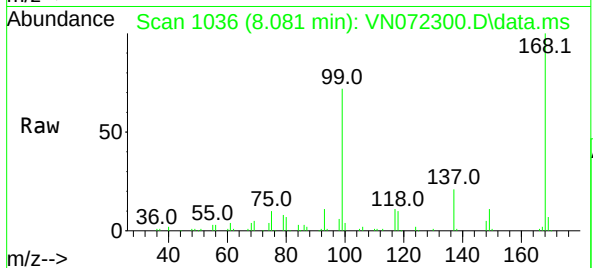
Lab File: VN072300.D

Acq: 02 May 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :



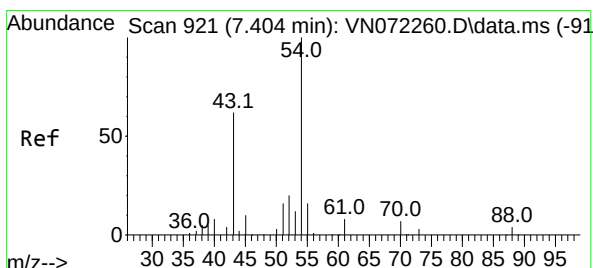
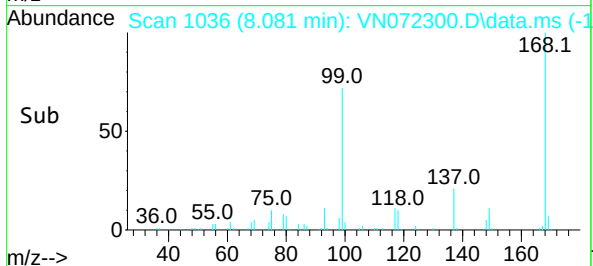
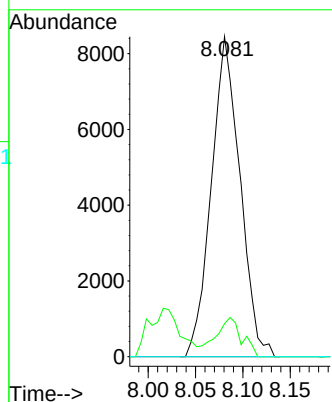
Tgt Ion: 75 Resp: 17771

Ion Ratio Lower Upper

75 100

110 10.8 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 26.489 ug/l

RT: 7.333 min Scan# 909

Delta R.T. -0.077 min

Lab File: VN072300.D

Acq: 02 May 2022 17:46

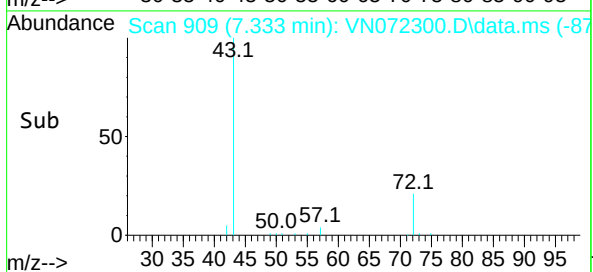
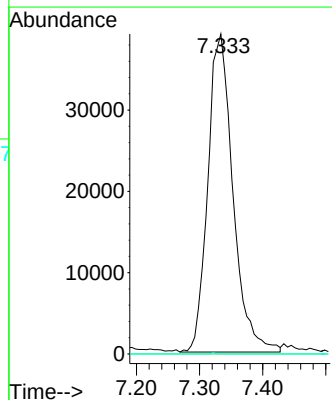
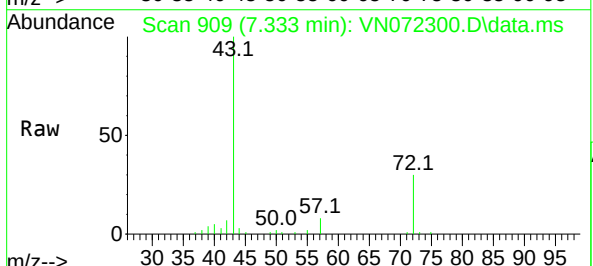
Tgt Ion: 43 Resp: 108355

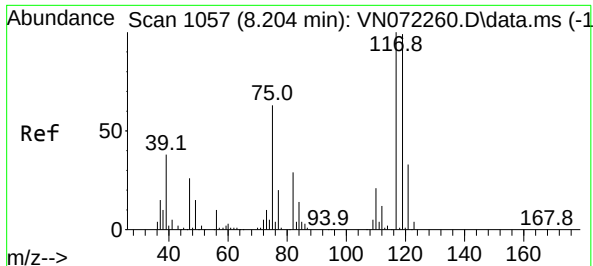
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

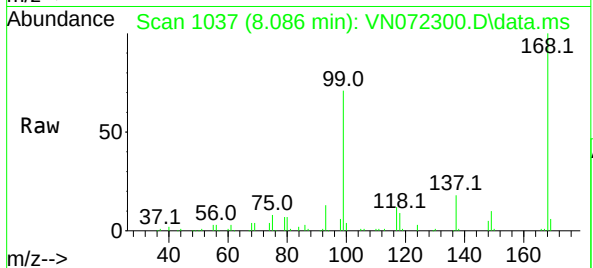
70 0.1 9.3 13.9#



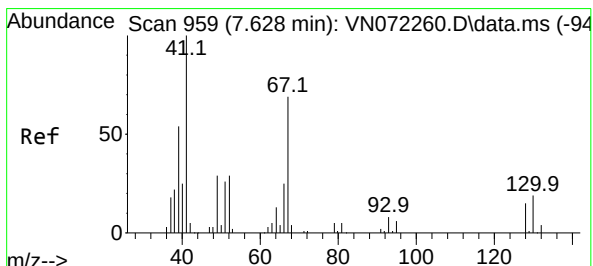
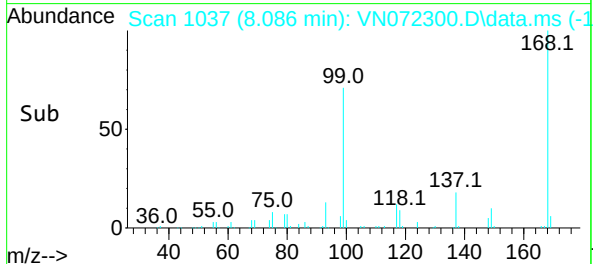
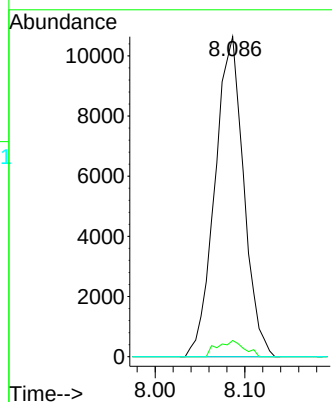


#38
Carbon Tetrachloride
Concen: 7.182 ug/l
RT: 8.086 min Scan# 117
Delta R.T. -0.118 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Instrument :
MSVOA_N
ClientSampleId :

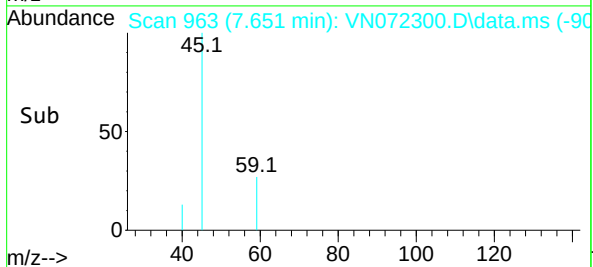
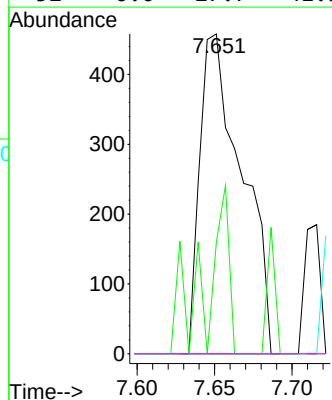
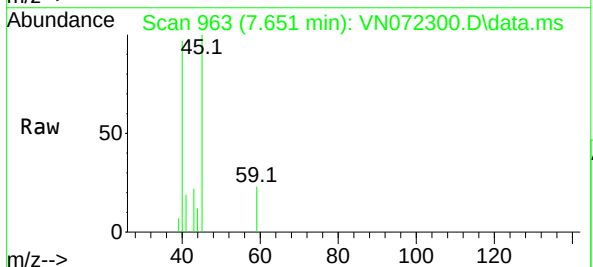


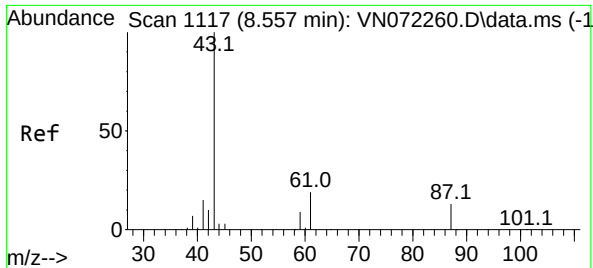
Tgt Ion:117 Resp: 23693
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.416 ug/l
RT: 7.651 min Scan# 963
Delta R.T. 0.017 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Tgt Ion: 41 Resp: 861
Ion Ratio Lower Upper
41 100
39 23.0 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

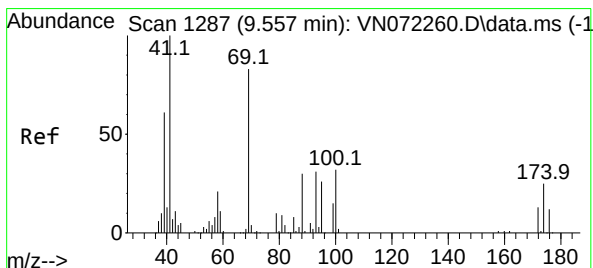
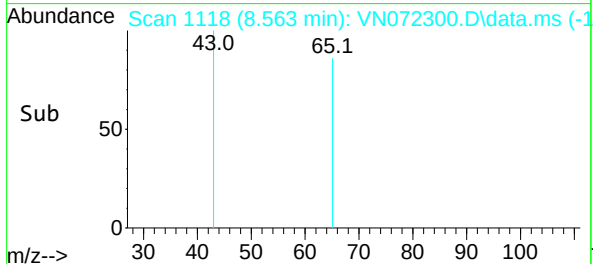
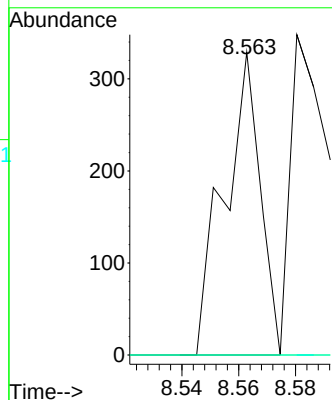
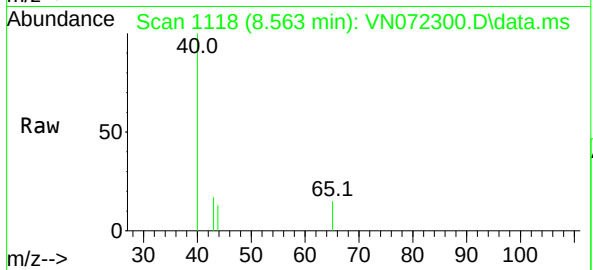




#43
Isopropyl Acetate
Concen: 0.845 ug/l
RT: 8.563 min Scan# 1117
Delta R.T. 0.006 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

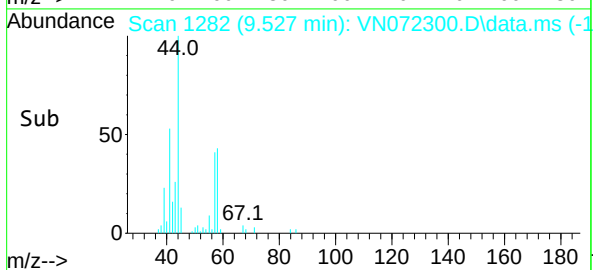
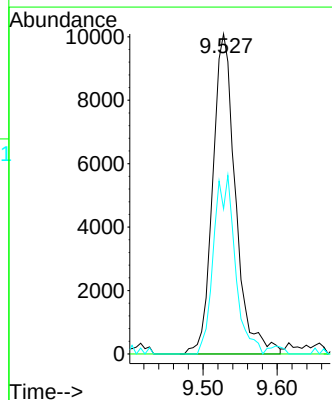
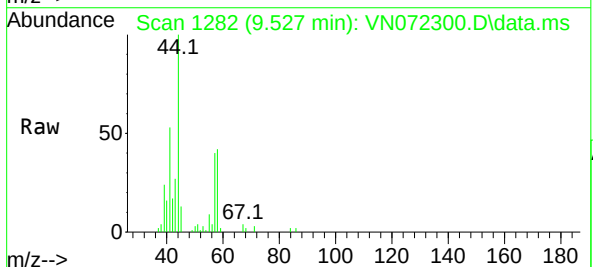
Instrument :
MSVOA_N
ClientSampleId :

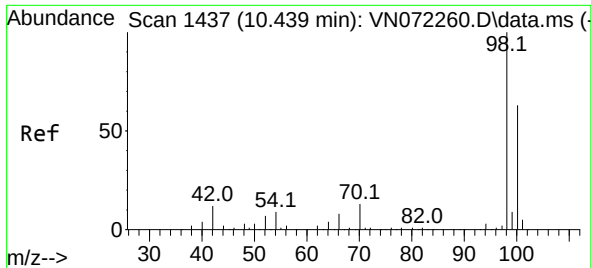
Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#48
Methyl methacrylate
Concen: 7.957 ug/l
RT: 9.527 min Scan# 1282
Delta R.T. -0.030 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Tgt Ion: 41 Resp: 21500
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 52.9 45.6 68.4

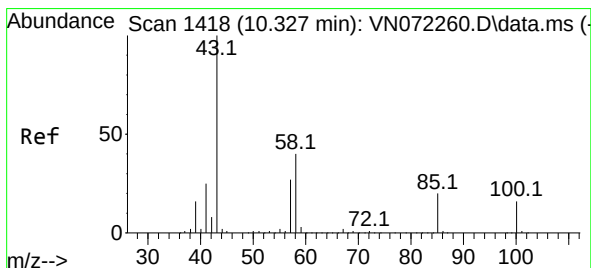
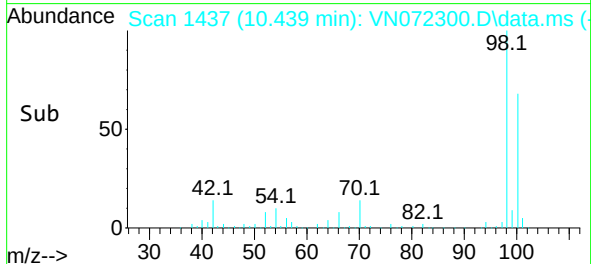
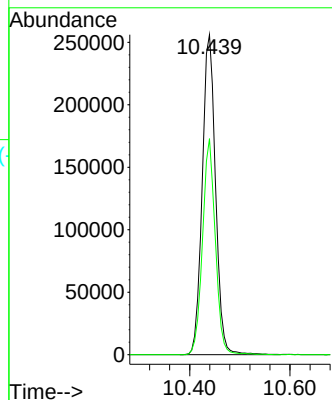
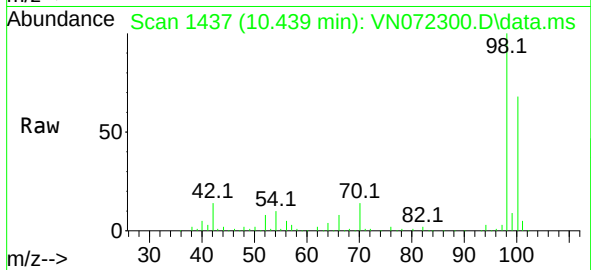




#50
Toluene-d8
Concen: 56.728 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

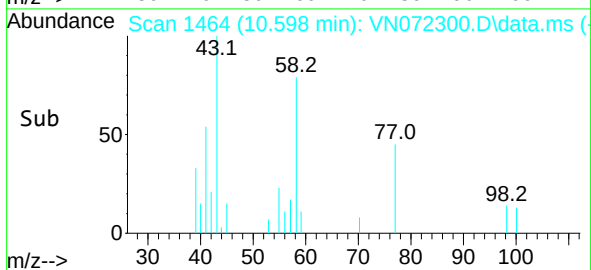
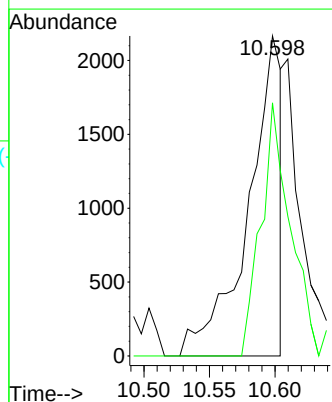
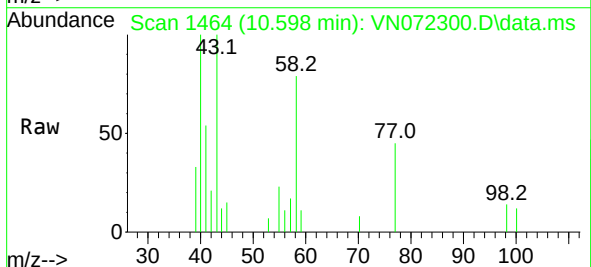
Instrument :
MSVOA_N
ClientSampleId :

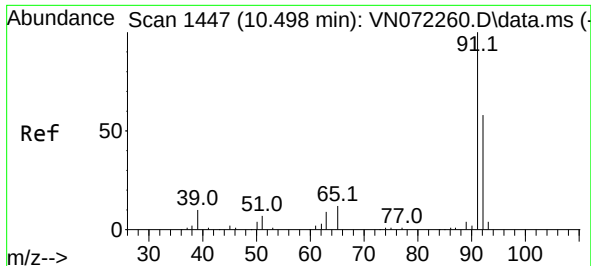
Tgt Ion: 98 Resp: 471706
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.989 ug/l
RT: 10.598 min Scan# 1464
Delta R.T. 0.270 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Tgt Ion: 43 Resp: 3817
Ion Ratio Lower Upper
43 100
58 47.1 34.1 51.1

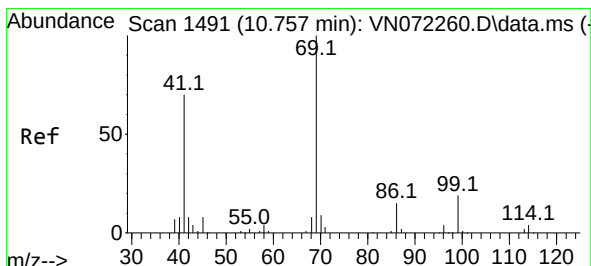
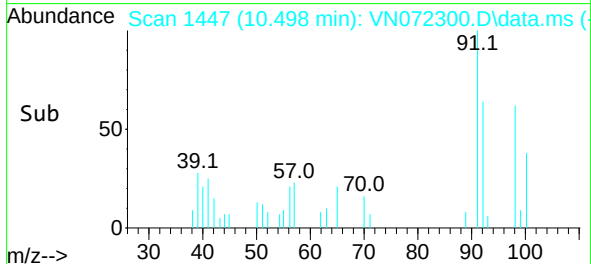
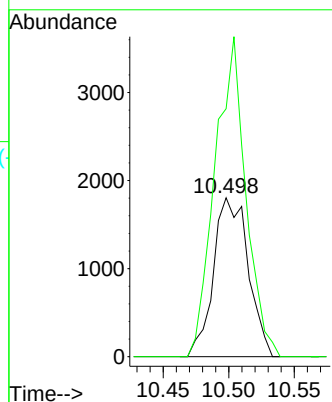
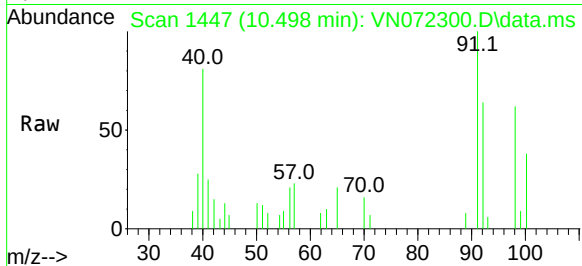




#52
Toluene
Concen: 0.582 ug/l
RT: 10.498 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

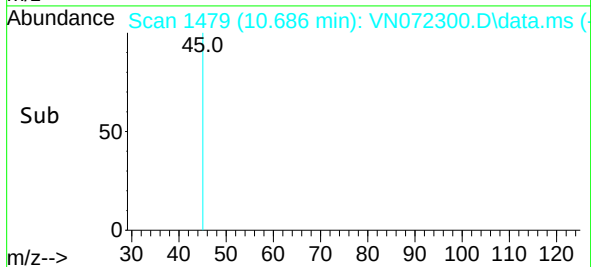
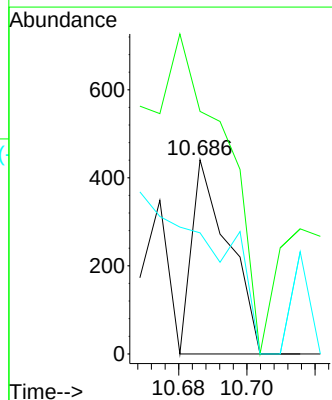
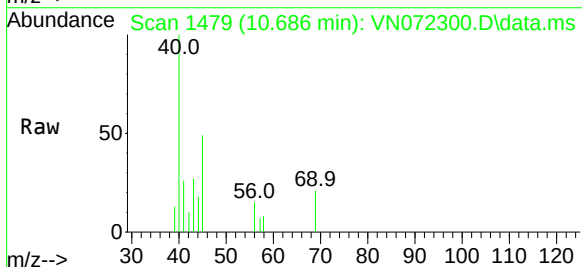
Instrument :
MSVOA_N
ClientSampleId :

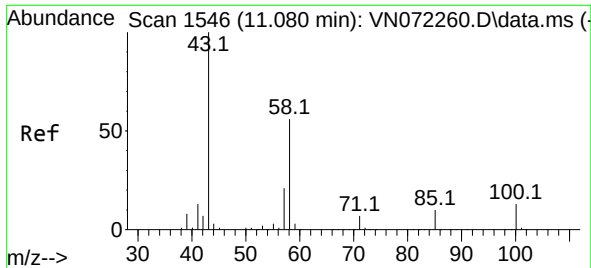
Tgt Ion: 92 Resp: 3323
Ion Ratio Lower Upper
92 100
91 179.1 138.6 207.8



#56
Ethyl methacrylate
Concen: 2.440 ug/l
RT: 10.686 min Scan# 1479
Delta R.T. -0.071 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Tgt Ion: 69 Resp: 329
Ion Ratio Lower Upper
69 100
41 0.0 47.8 71.6#
39 0.0 27.3 40.9#

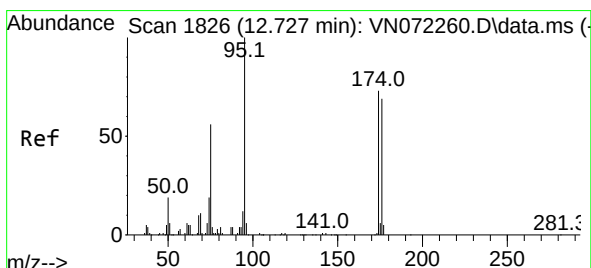
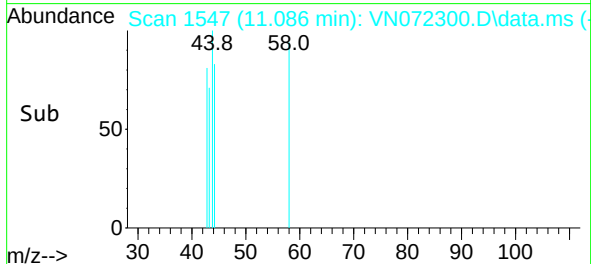
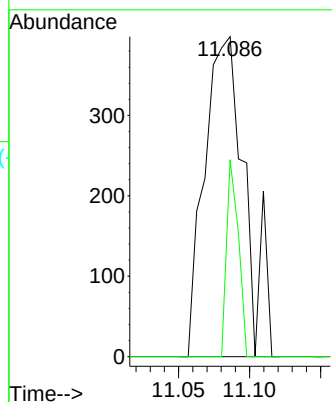
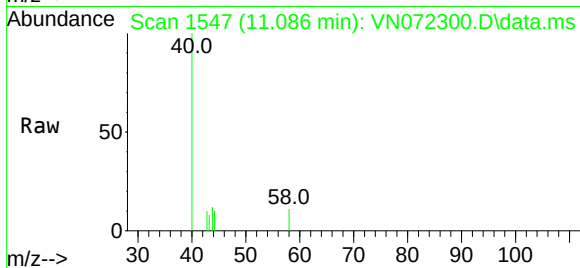




#59
2-Hexanone
Concen: 0.291 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

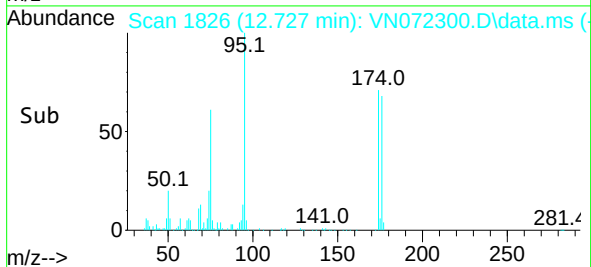
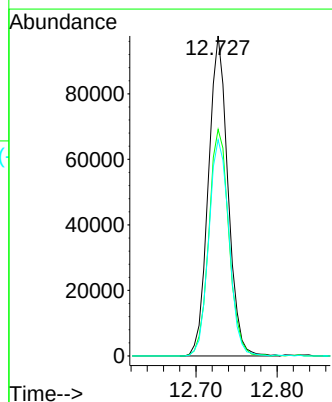
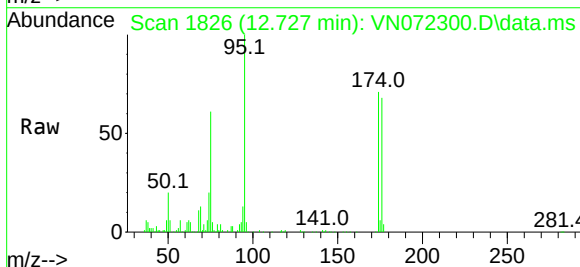
Instrument :
MSVOA_N
ClientSampleId :

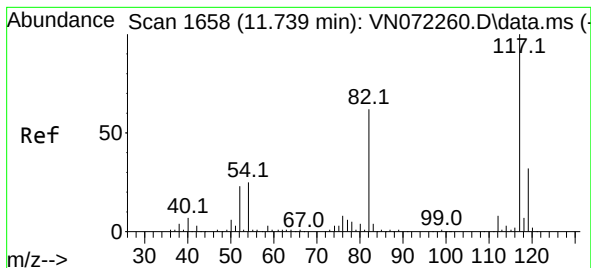
Tgt Ion: 43 Resp: 791
Ion Ratio Lower Upper
43 100
58 17.8 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 59.202 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Tgt Ion: 95 Resp: 163397
Ion Ratio Lower Upper
95 100
174 72.4 0.0 167.6
176 69.6 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.739 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072300.D

Acq: 02 May 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

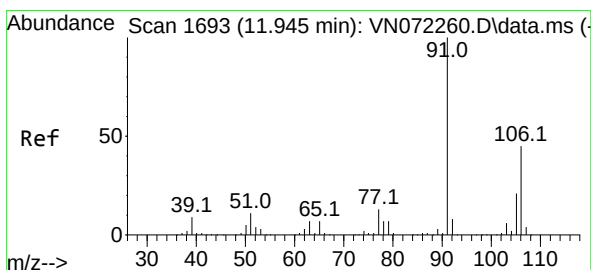
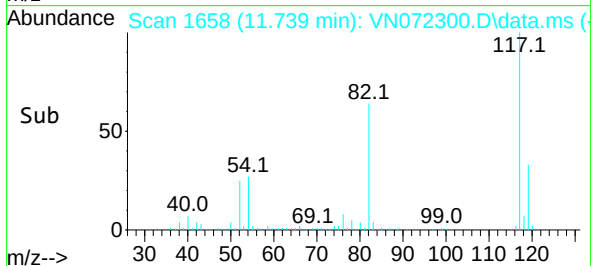
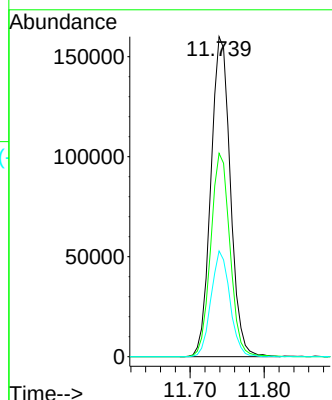
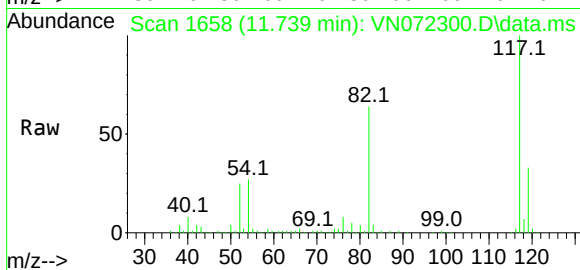
Tgt Ion:117 Resp: 292562

Ion Ratio Lower Upper

117 100

82 63.6 44.2 66.2

119 33.1 25.4 38.0



#68

m/p-Xylenes

Concen: 0.234 ug/l

RT: 11.945 min Scan# 1693

Delta R.T. -0.006 min

Lab File: VN072300.D

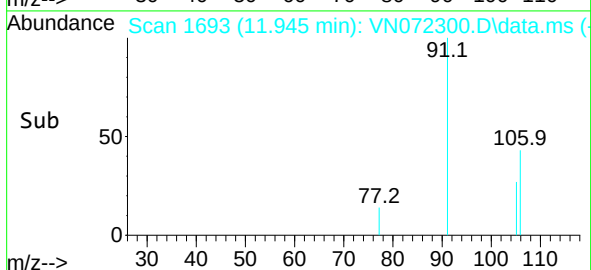
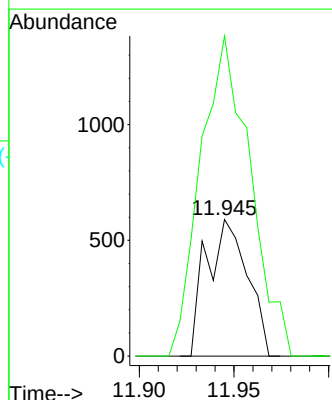
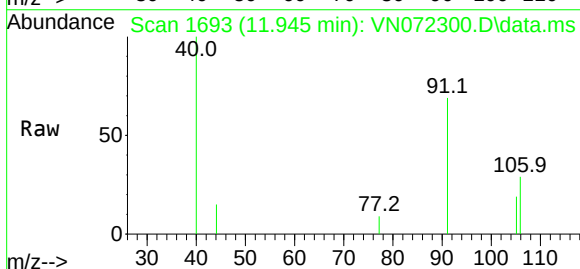
Acq: 02 May 2022 17:46

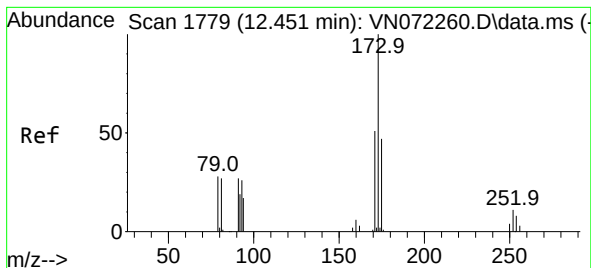
Tgt Ion:106 Resp: 895

Ion Ratio Lower Upper

106 100

91 281.7 158.9 238.3#





#71

Bromoform

Concen: 0.226 ug/l

RT: 12.721 min Scan# 11

Delta R.T. 0.270 min

Lab File: VN072300.D

Acq: 02 May 2022 17:46

Instrument :

MSVOA_N

ClientSampleId :

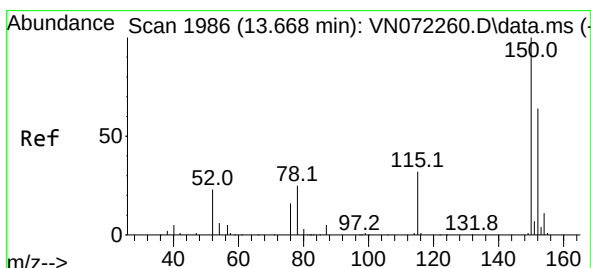
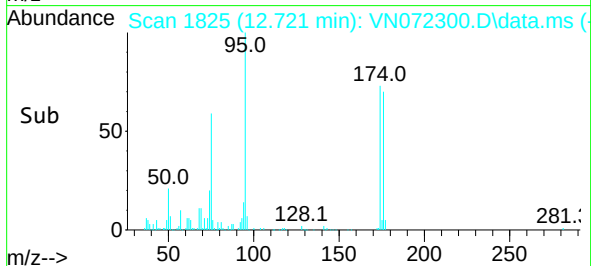
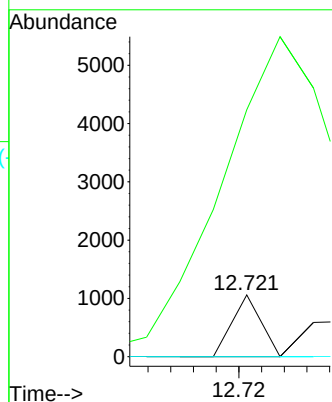
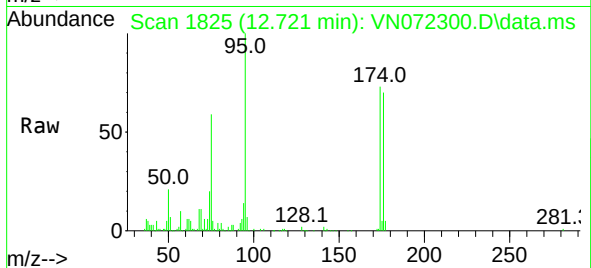
Tgt Ion:173 Resp: 375

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.6#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.668 min Scan# 1986

Delta R.T. -0.001 min

Lab File: VN072300.D

Acq: 02 May 2022 17:46

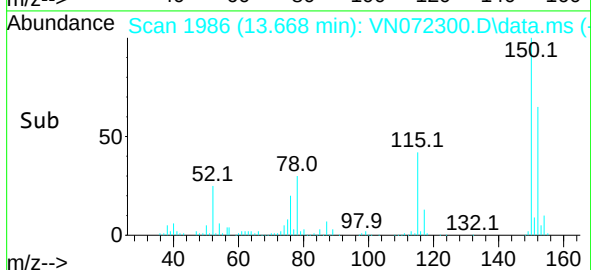
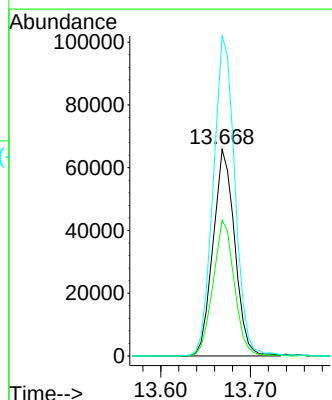
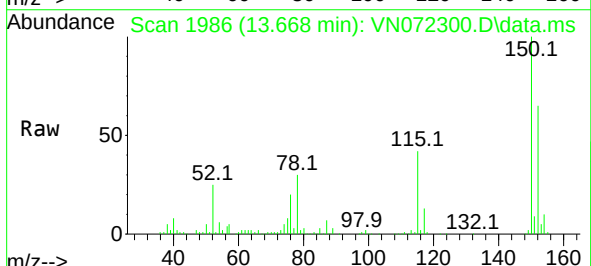
Tgt Ion:152 Resp: 110447

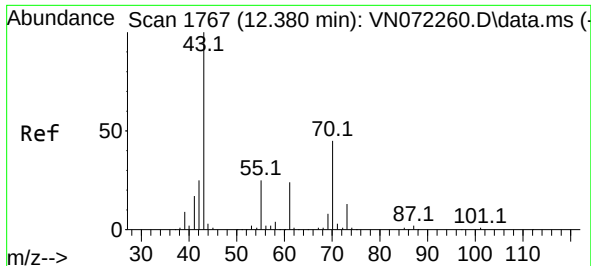
Ion Ratio Lower Upper

152 100

115 64.6 28.9 86.7

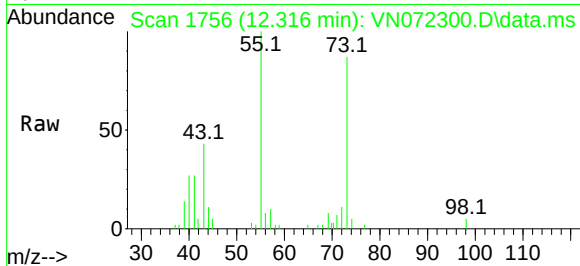
150 155.4 0.0 356.2



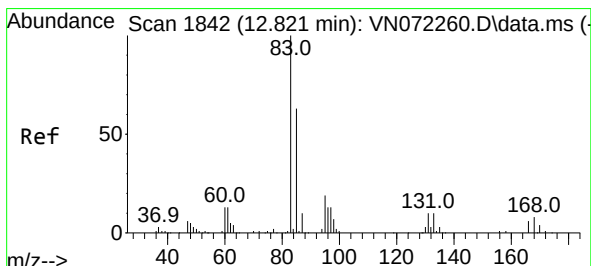
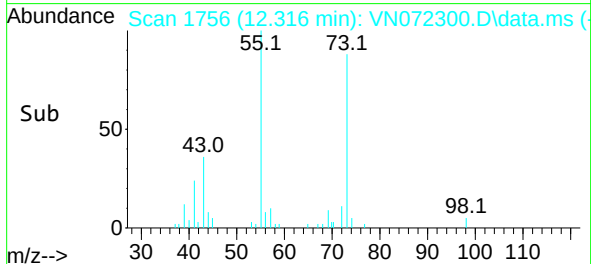
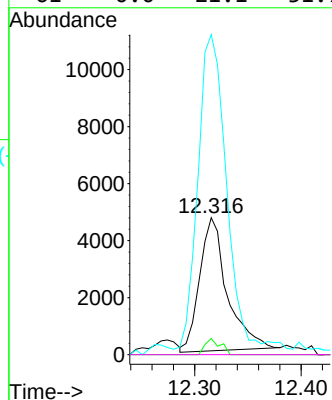


#74
N-amy1 acetate
Concen: 2.308 ug/l
RT: 12.316 min Scan# 1756
Delta R.T. -0.064 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Instrument :
MSVOA_N
ClientSampleId :

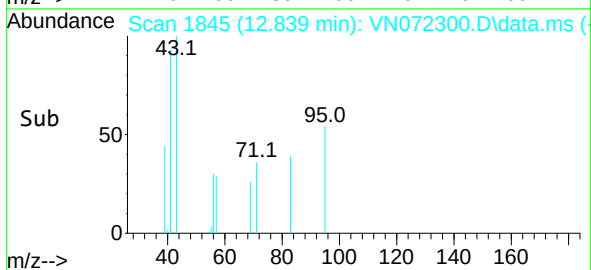
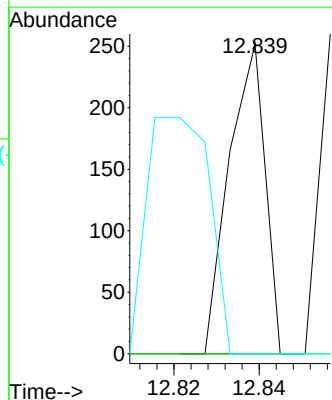
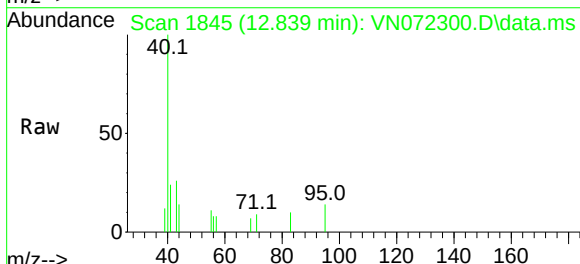


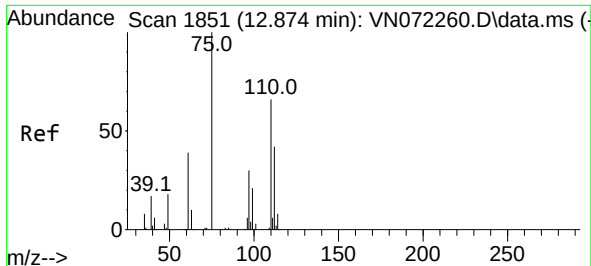
Tgt Ion:	43	Resp:	8433
Ion Ratio	100	Lower	Upper
43	100		
70	6.7	39.0	58.4#
55	240.7	21.1	31.7#
61	0.0	21.1	31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.839 min Scan# 1845
Delta R.T. 0.017 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Tgt Ion:	83	Resp:	148
Ion Ratio	100	Lower	Upper
83	100		
131	0.0	5.3	15.9#
85	0.0	32.3	96.9#

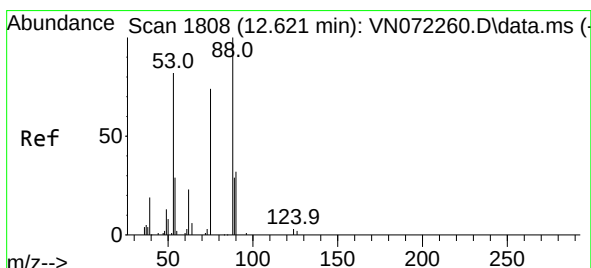
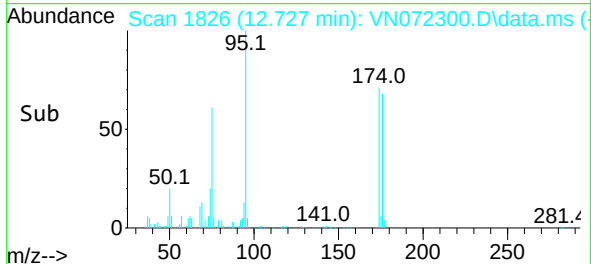
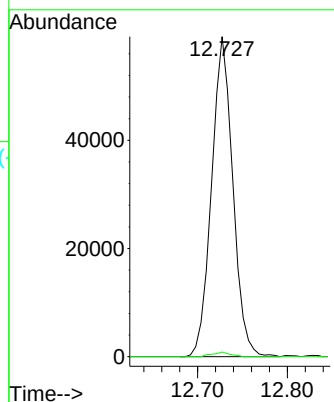
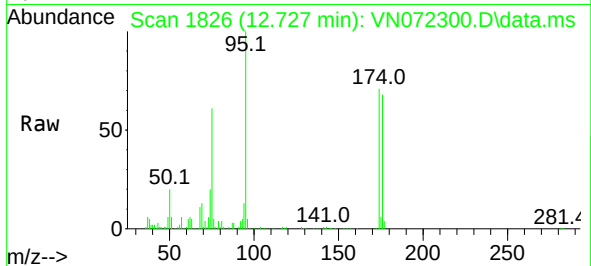




#76
1,2,3-Trichloropropane
Concen: 38.863 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

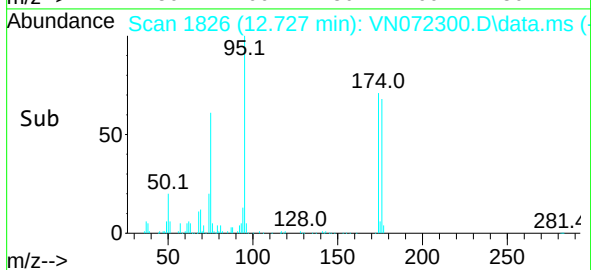
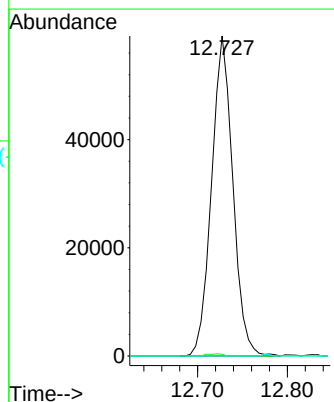
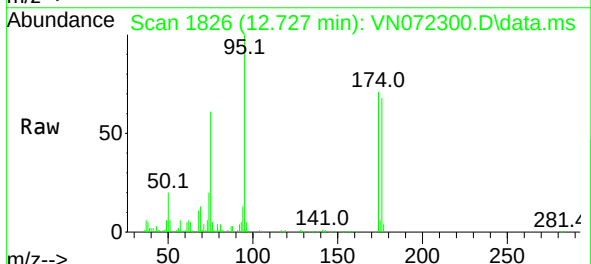
Instrument :
MSVOA_N
ClientSampleId :

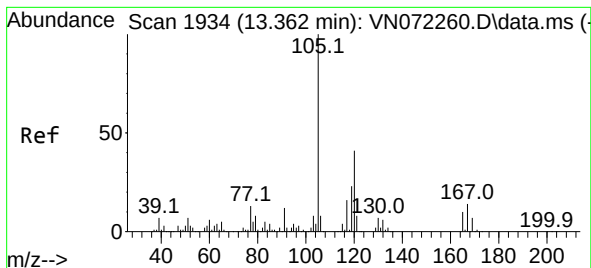
Tgt Ion: 75 Resp: 97380
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 101.947 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072300.D
Acq: 02 May 2022 17:46

Tgt Ion: 75 Resp: 97380
Ion Ratio Lower Upper
75 100
53 0.5 78.0 117.0#
89 0.0 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.206 ug/l

RT: 13.368 min Scan# 1934

Delta R.T. 0.005 min

Lab File: VN072300.D

Acq: 02 May 2022 17:46

Instrument :

MSVOA_N

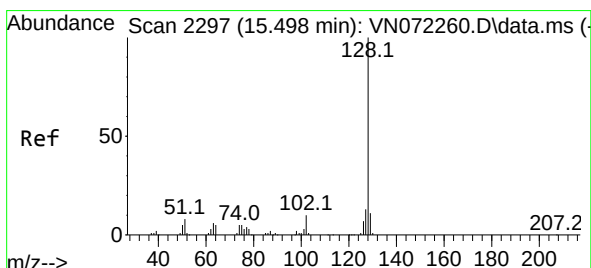
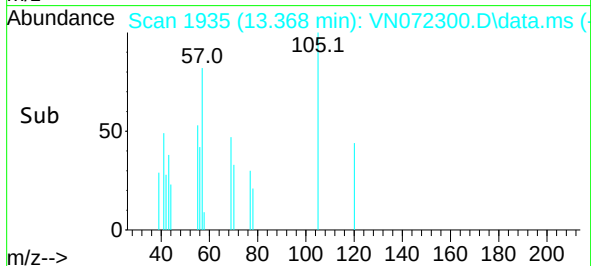
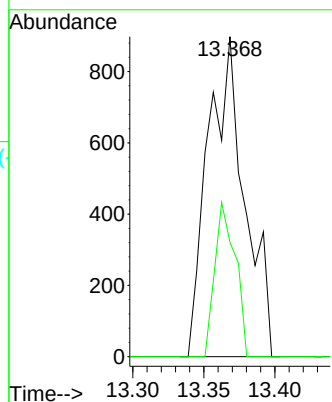
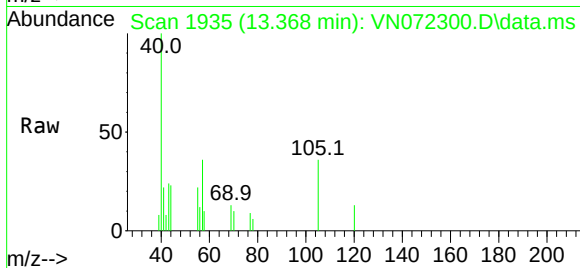
ClientSampleId :

Tgt Ion:105 Resp: 1616

Ion Ratio Lower Upper

105 100

120 26.8 23.3 69.8



#95

Naphthalene

Concen: 4.692 ug/l

RT: 15.498 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VN072300.D

Acq: 02 May 2022 17:46

Tgt Ion:128 Resp: 2457

Ion Ratio Lower Upper

128 100

127 7.1 10.3 15.5#

129 16.7 8.6 13.0#

