

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091824\
 Data File : VN084000.D
 Acq On : 18 Sep 2024 22:16
 Operator : JC\MD
 Sample : P4085-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

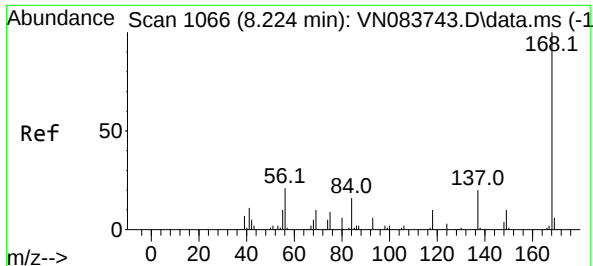
Quant Time: Sep 19 01:43:44 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.977	168	59	50.000	ug/l	#-0.25
34) 1,4-Difluorobenzene	8.865	114	296879	50.000	ug/l	-0.24
63) Chlorobenzene-d5	11.812	117	246067	50.000	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	13.776	152	103007	50.000	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.265	65	131865	148223.450	ug/l	-0.31
Spiked Amount	50.000	Range	74 - 125	Recovery	= 296446.900%#	
35) Dibromofluoromethane	7.794	113	93589	49.242	ug/l	-0.37
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.480%	
50) Toluene-d8	10.453	98	360423	54.855	ug/l	-0.11
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.720%	
62) 4-Bromofluorobenzene	0.000	95	0	0.000	ug/l	
Spiked Amount	50.000	Range	77 - 121	Recovery	= 0.000%#	
Target Compounds						Qvalue
8) Diethyl Ether	4.036	74	72	168.485	ug/l #	3
16) Acetone	4.042	43	1615	4528.453	ug/l #	45
18) Methyl Acetate	4.600	43	54	73.546	ug/l #	52
22) Diisopropyl ether	6.671	45	74	31.614	ug/l #	44
23) Vinyl Acetate	6.647	43	2064	1204.089	ug/l #	71
25) 2-Butanone	7.077	43	3706	7906.328	ug/l #	49
29) Tetrahydrofuran	7.406	42	139	501.513	ug/l #	32
31) Cyclohexane	7.877	56	4548	3537.170	ug/l #	23
38) Carbon Tetrachloride	7.877	117	13705	4.223	ug/l #	18
42) 1,2-Dichloroethane	8.412	62	757	0.235	ug/l #	77
43) Isopropyl Acetate	8.412	43	258750	54.990	ug/l #	76
45) 1,2-Dichloropropane	9.588	63	1248	0.600	ug/l #	42
48) Methyl methacrylate	9.488	41	3979	1.782	ug/l #	48
49) 1,4-Dioxane	9.588	88	59	1.607	ug/l #	1
51) 4-Methyl-2-Pentanone	10.335	43	5214	2.036	ug/l	87
54) cis-1,3-Dichloropropene	10.247	75	41506	12.357	ug/l #	66
57) 1,3-Dichloropropane	11.135	76	3938	1.165	ug/l #	42
59) 2-Hexanone	10.912	43	249356	131.605	ug/l #	24
71) Bromoform	12.818	173	836	0.654	ug/l #	1
74) N-amyl acetate	12.429	43	2374	0.698	ug/l #	44
76) 1,2,3-Trichloropropane	12.823	75	74934	36.052	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.823	75	74934	94.424	ug/l #	9

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

Quant Time: Sep 19 01:43:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration

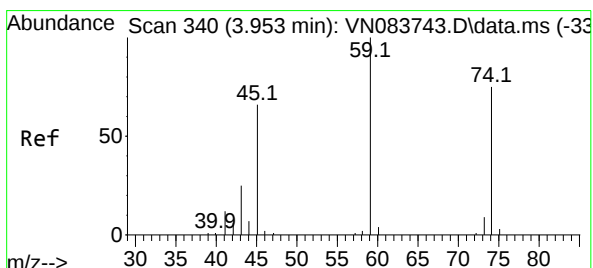
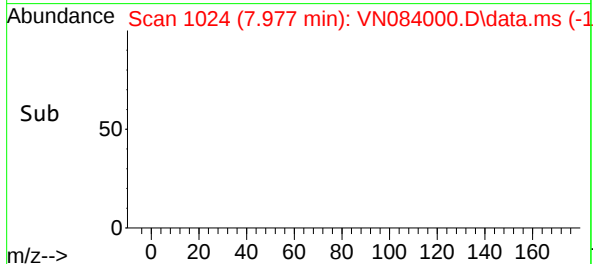
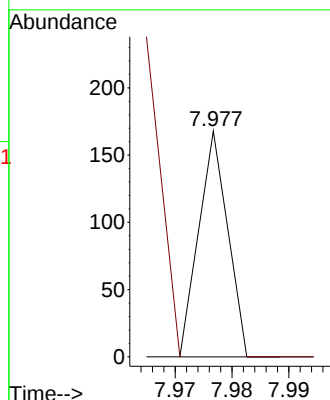
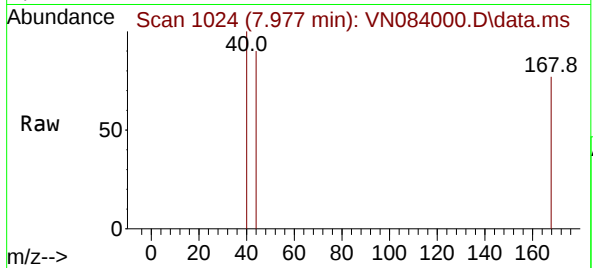




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.977 min Scan# 10
Delta R.T. -0.247 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

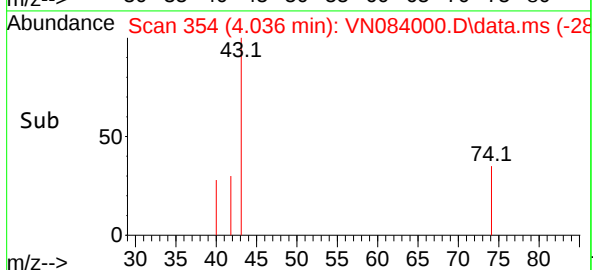
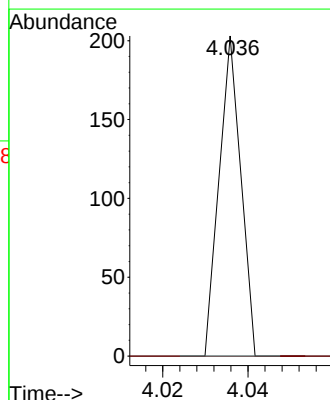
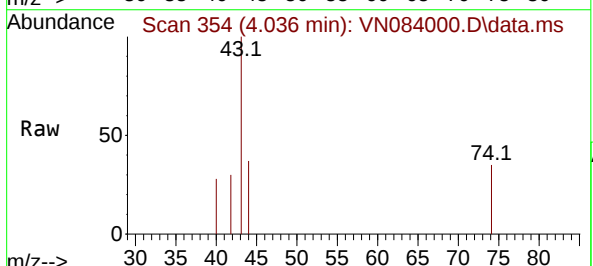
Instrument :
MSVOA_N
ClientSampleId :

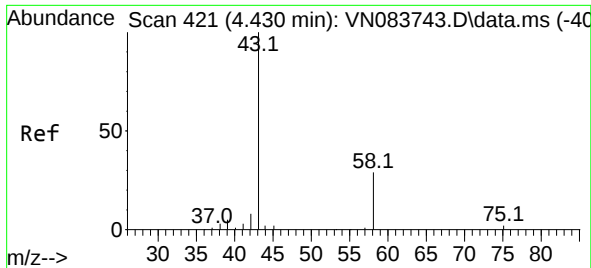
Tgt Ion:168 Resp: 59
Ion Ratio Lower Upper
168 100
99 0.0 54.2 81.2#



#8
Diethyl Ether
Concen: 168.485 ug/l
RT: 4.036 min Scan# 354
Delta R.T. 0.082 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

Tgt Ion: 74 Resp: 72
Ion Ratio Lower Upper
74 100
45 0.0 46.7 140.1#

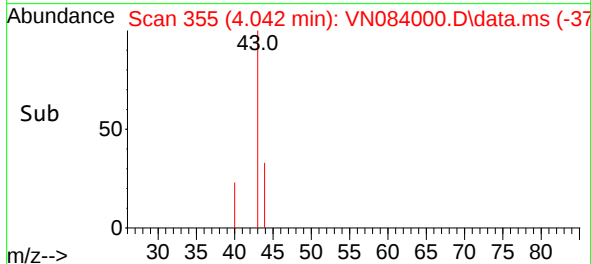
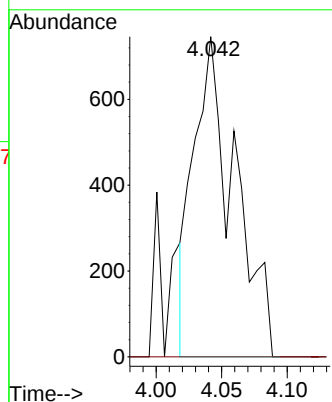
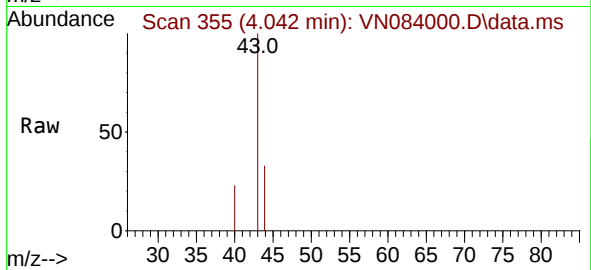




#16
Acetone
Concen: 4528.453 ug/l
RT: 4.042 min Scan# 31
Delta R.T. -0.388 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

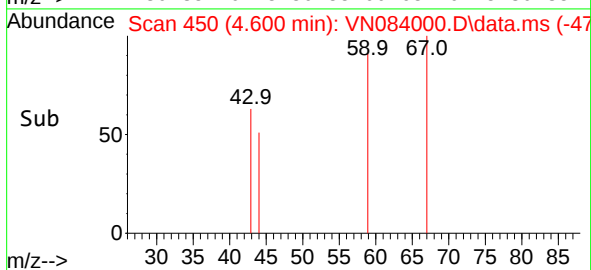
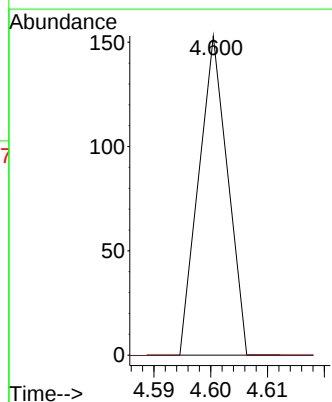
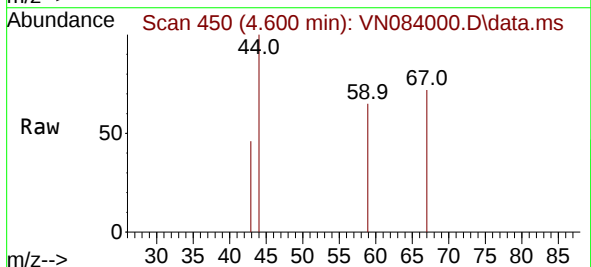
Instrument :
MSVOA_N
ClientSampleId :

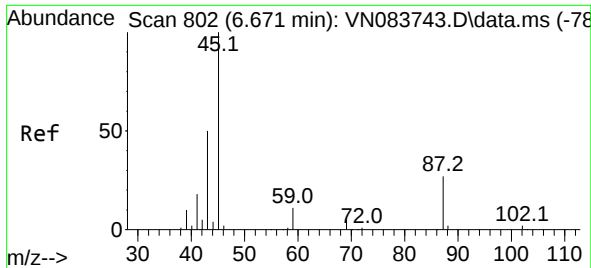
Tgt Ion: 43 Resp: 1615
Ion Ratio Lower Upper
43 100
58 0.0 23.7 35.5#



#18
Methyl Acetate
Concen: 73.546 ug/l
RT: 4.600 min Scan# 450
Delta R.T. -0.424 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

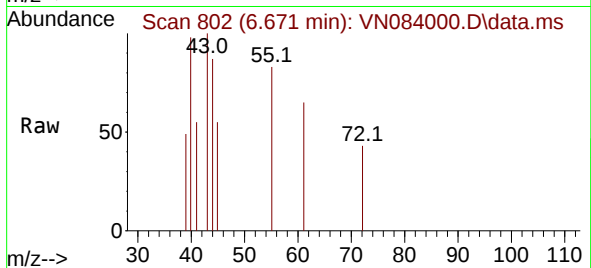
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



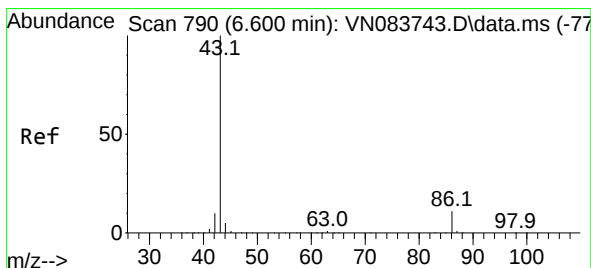
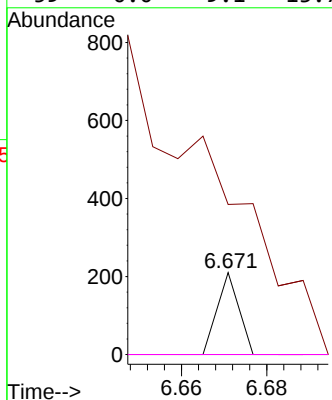
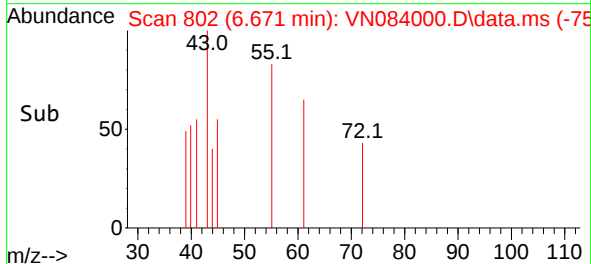


#22
Diisopropyl ether
Concen: 31.614 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

Instrument :
MSVOA_N
ClientSampleId :

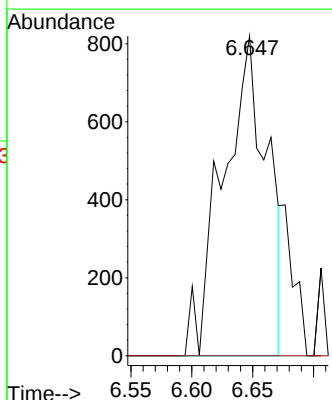
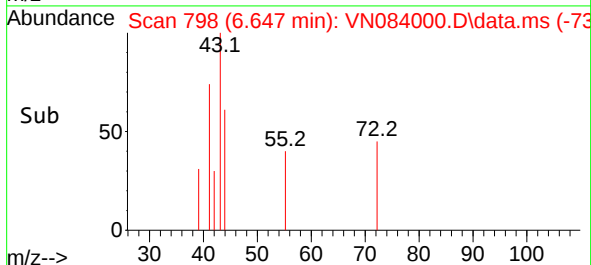
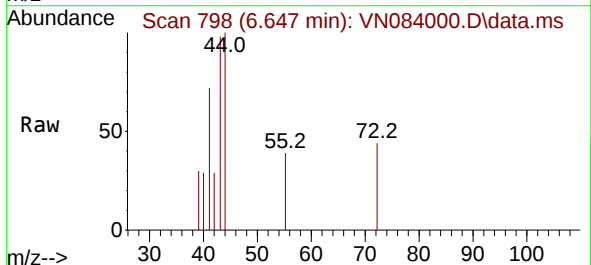


Tgt Ion:	45	Resp:	74
Ion	Ratio	Lower	Upper
45	100		
43	99.5	43.4	65.0#
87	0.0	22.6	33.8#
59	0.0	9.1	13.7#



#23
Vinyl Acetate
Concen: 1204.089 ug/l
RT: 6.647 min Scan# 798
Delta R.T. 0.047 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

Tgt Ion:	43	Resp:	2064
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.7	13.1#





#25

2-Butanone

Concen: 7906.328 ug/l

RT: 7.077 min Scan# 81

Delta R.T. -0.406 min

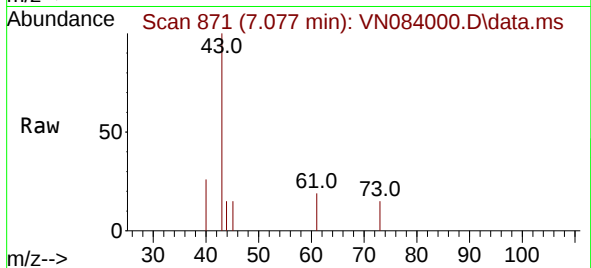
Lab File: VN084000.D

Acq: 18 Sep 2024 22:16

Instrument :

MSVOA_N

ClientSampleId :

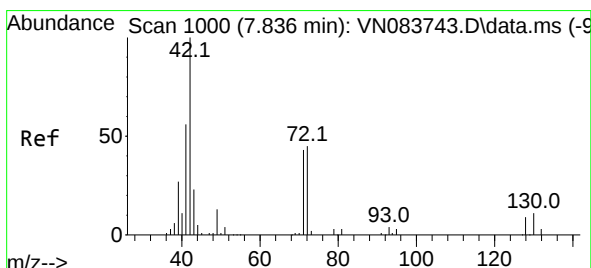
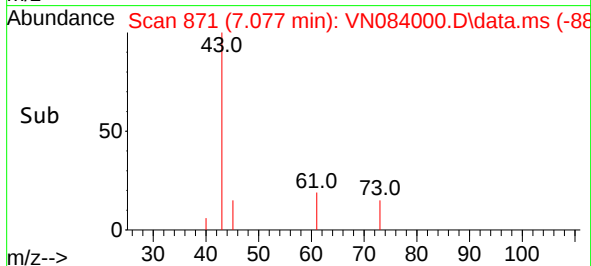
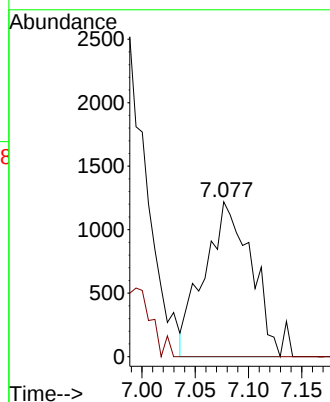


Tgt Ion: 43 Resp: 3706

Ion Ratio Lower Upper

43 100

72 0.0 20.8 31.2#



#29

Tetrahydrofuran

Concen: 501.513 ug/l

RT: 7.406 min Scan# 927

Delta R.T. -0.429 min

Lab File: VN084000.D

Acq: 18 Sep 2024 22:16

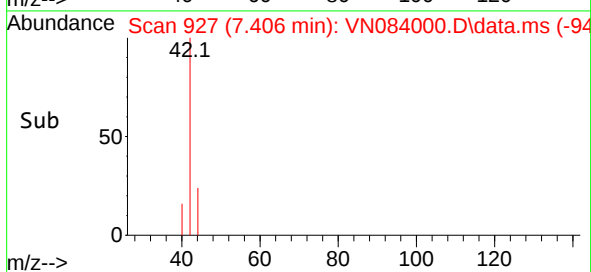
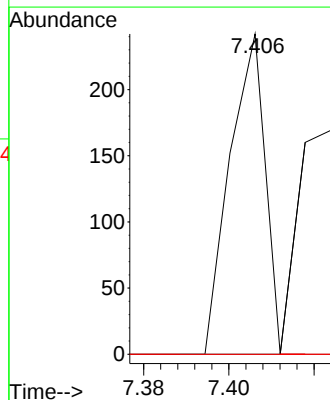
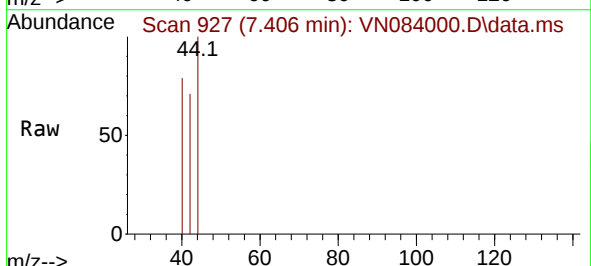
Tgt Ion: 42 Resp: 139

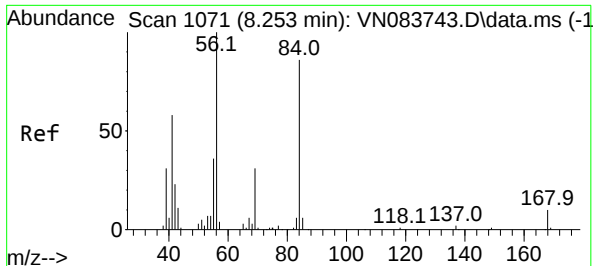
Ion Ratio Lower Upper

42 100

72 0.0 35.9 53.9#

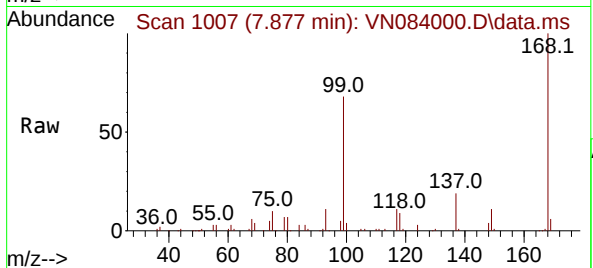
71 0.0 33.9 50.9#



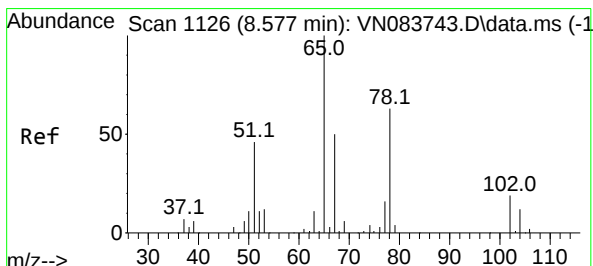
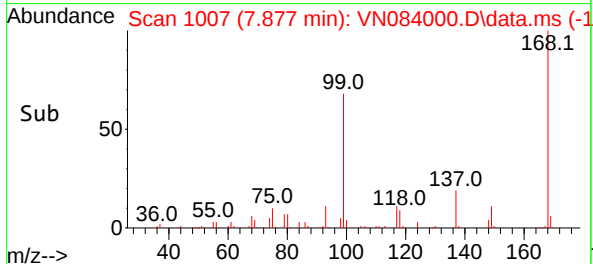
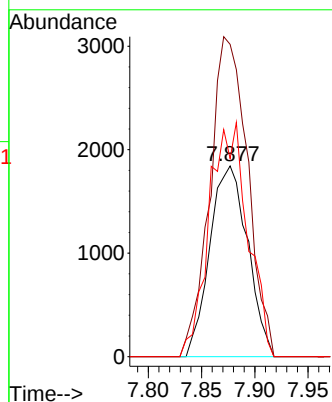


#31
Cyclohexane
Concen: 3537.170 ug/l
RT: 7.877 min Scan# 1071
Delta R.T. -0.376 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

Instrument :
MSVOA_N
ClientSampleId :

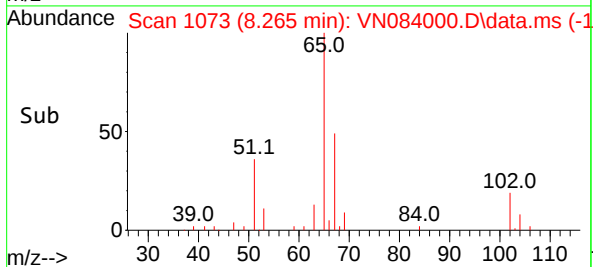
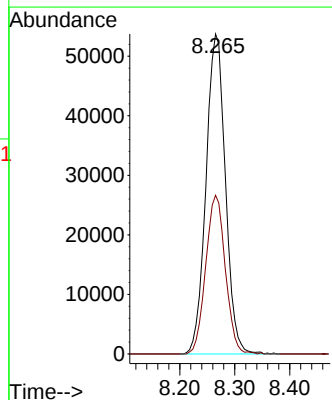
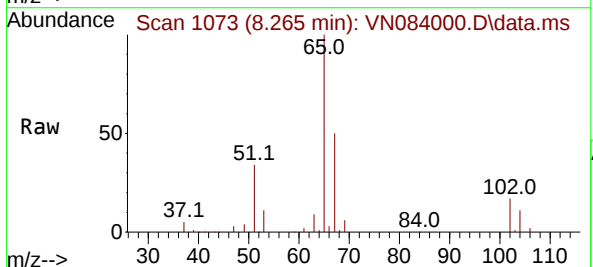


Tgt Ion: 56 Resp: 4548
Ion Ratio Lower Upper
56 100
69 163.8 26.9 40.3#
84 103.9 69.2 103.8#



#33
1,2-Dichloroethane-d4
Concen: 148223.450 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.312 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

Tgt Ion: 65 Resp: 131865
Ion Ratio Lower Upper
65 100
67 50.0 0.0 100.8

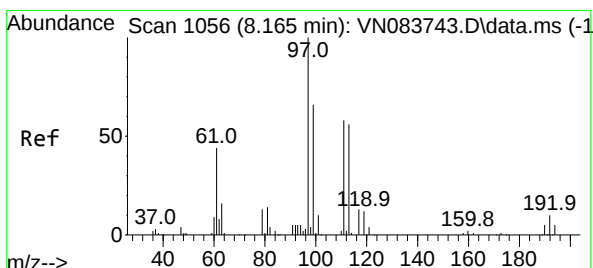
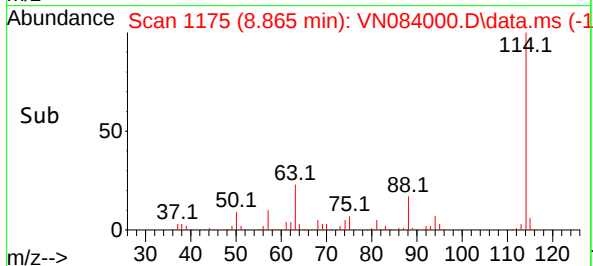
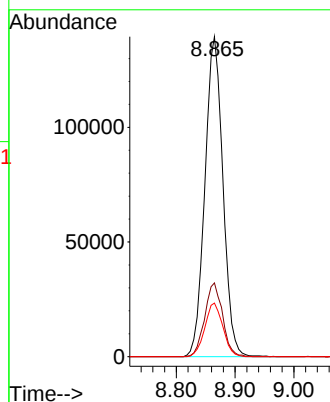
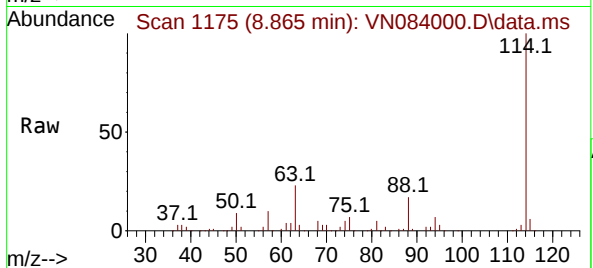




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.865 min Scan# 1175
Delta R.T. -0.235 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

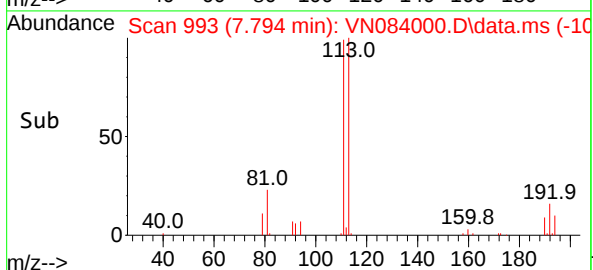
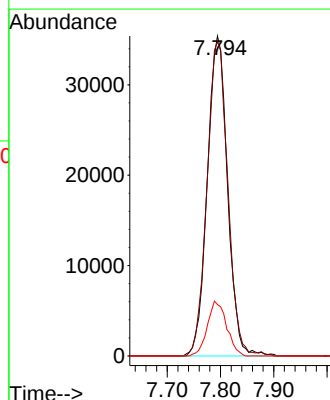
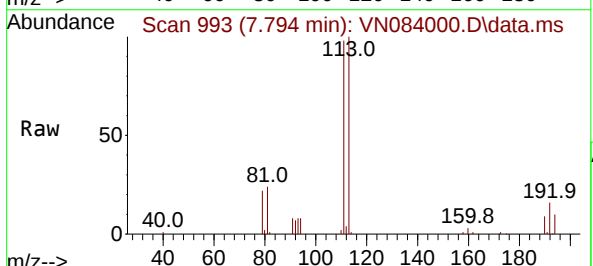
Instrument :
MSVOA_N
ClientSampleId :

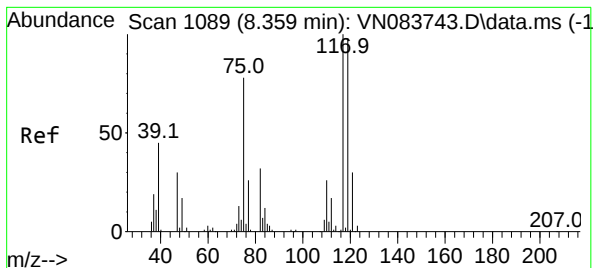
Tgt Ion:114 Resp: 296879
Ion Ratio Lower Upper
114 100
63 23.1 0.0 43.4
88 16.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.242 ug/l
RT: 7.794 min Scan# 993
Delta R.T. -0.371 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

Tgt Ion:113 Resp: 93589
Ion Ratio Lower Upper
113 100
111 100.0 82.6 124.0
192 16.3 14.3 21.5





#38

Carbon Tetrachloride

Concen: 4.223 ug/l

RT: 7.877 min Scan# 1098

Delta R.T. -0.482 min

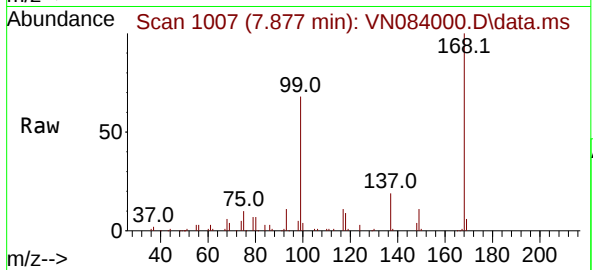
Lab File: VN084000.D

Acq: 18 Sep 2024 22:16

Instrument :

MSVOA_N

ClientSampleId :



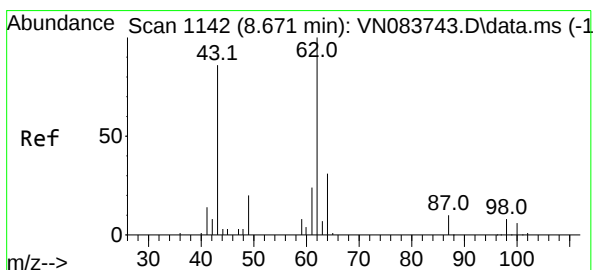
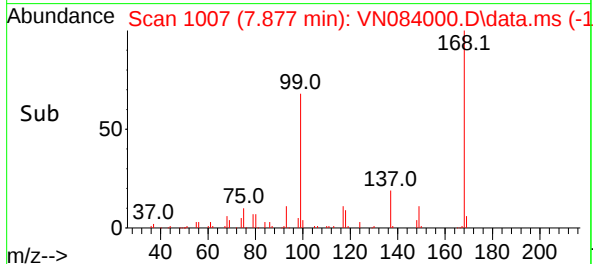
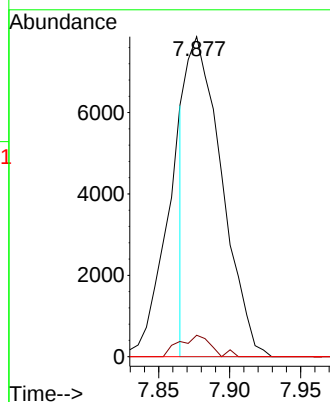
Tgt Ion:117 Resp: 13705

Ion Ratio Lower Upper

117 100

119 6.7 76.1 114.1#

121 0.0 24.1 36.1#



#42

1,2-Dichloroethane

Concen: 0.235 ug/l

RT: 8.412 min Scan# 1098

Delta R.T. -0.259 min

Lab File: VN084000.D

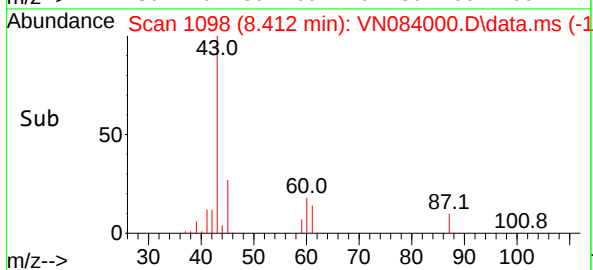
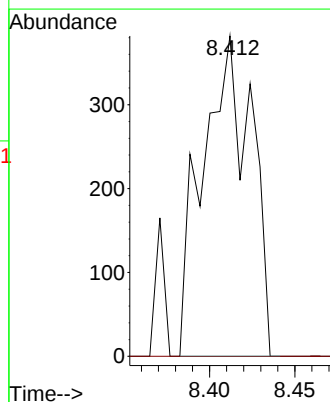
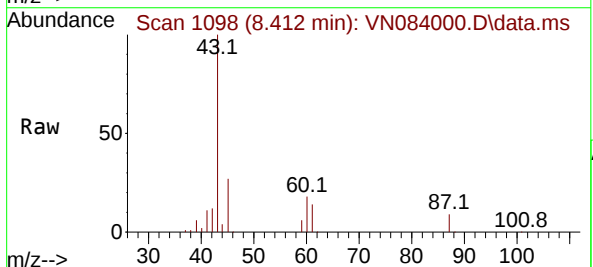
Acq: 18 Sep 2024 22:16

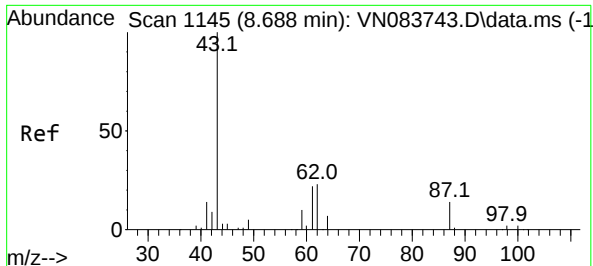
Tgt Ion: 62 Resp: 757

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.6





#43

Isopropyl Acetate

Concen: 54.990 ug/l

RT: 8.412 min Scan# 1098

Delta R.T. -0.276 min

Lab File: VN084000.D

Acq: 18 Sep 2024 22:16

Instrument :

MSVOA_N

ClientSampleId :

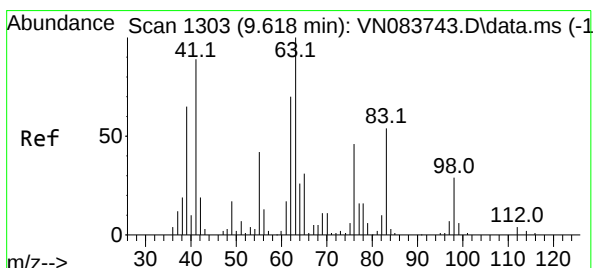
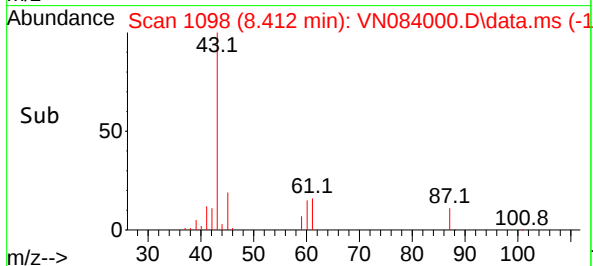
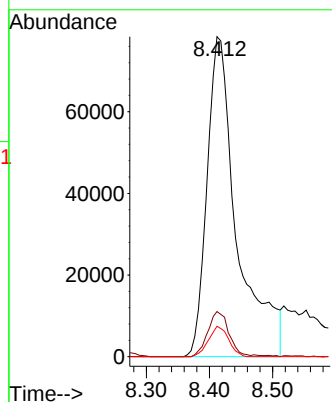
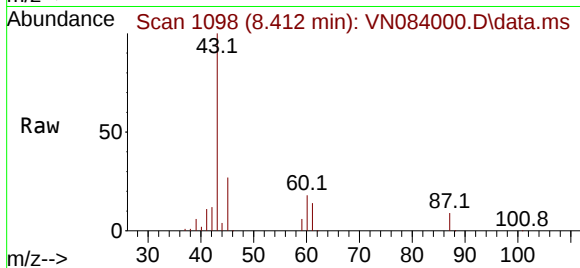
Tgt Ion: 43 Resp: 258750

Ion Ratio Lower Upper

43 100

61 10.2 19.4 29.0#

87 6.3 9.8 14.6#



#45

1,2-Dichloropropane

Concen: 0.600 ug/l

RT: 9.588 min Scan# 1298

Delta R.T. -0.029 min

Lab File: VN084000.D

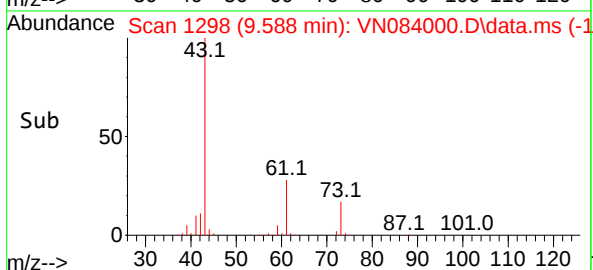
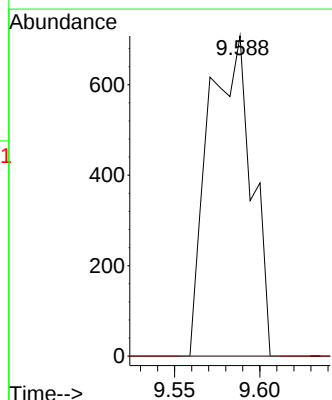
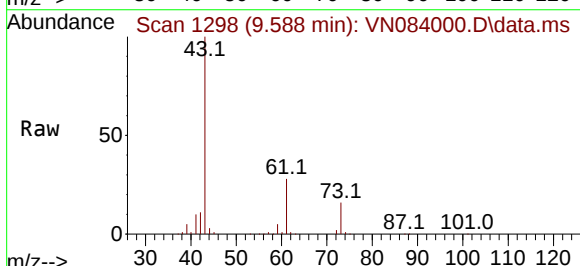
Acq: 18 Sep 2024 22:16

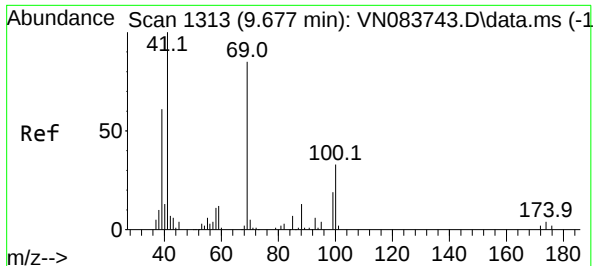
Tgt Ion: 63 Resp: 1248

Ion Ratio Lower Upper

63 100

65 0.0 25.9 38.9#





#48

Methyl methacrylate

Concen: 1.782 ug/l

RT: 9.488 min Scan# 1281

Delta R.T. -0.188 min

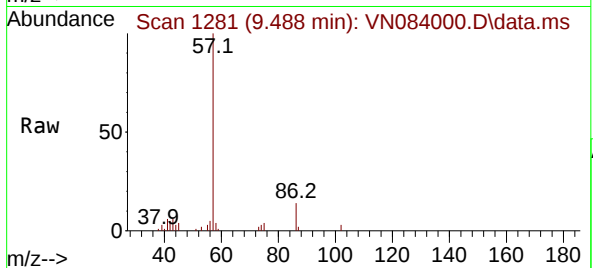
Lab File: VN084000.D

Acq: 18 Sep 2024 22:16

Instrument :

MSVOA_N

ClientSampleId :



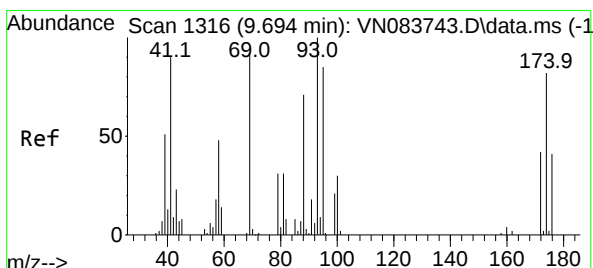
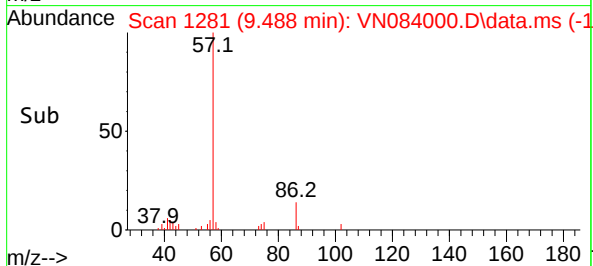
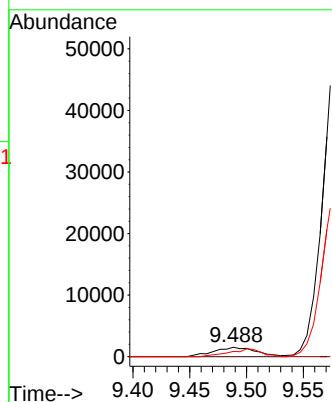
Tgt Ion: 41 Resp: 3979

Ion Ratio Lower Upper

41 100

69 0.0 64.3 96.5#

39 62.2 48.9 73.3



#49

1,4-Dioxane

Concen: 1.607 ug/l

RT: 9.588 min Scan# 1298

Delta R.T. -0.106 min

Lab File: VN084000.D

Acq: 18 Sep 2024 22:16

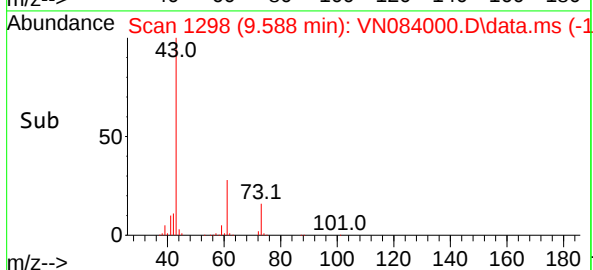
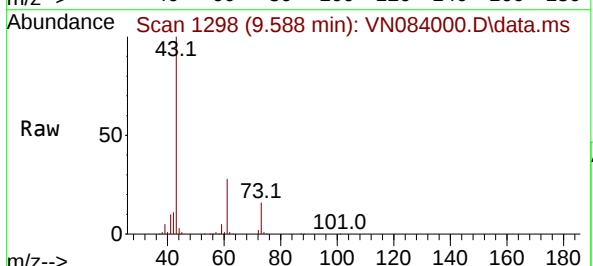
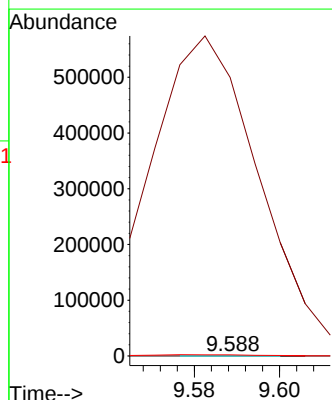
Tgt Ion: 88 Resp: 59

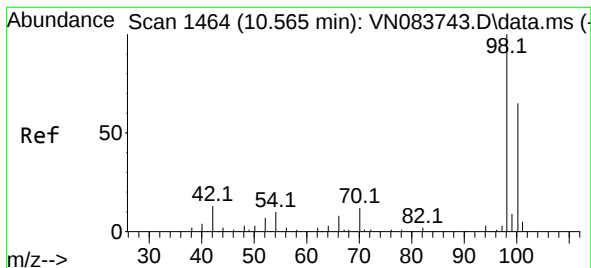
Ion Ratio Lower Upper

88 100

43 1816410.2 0.0 0.0#

58 7240.7 57.1 85.7#





#50

Toluene-d8

Concen: 54.855 ug/l

RT: 10.453 min Scan# 1464

Delta R.T. -0.112 min

Lab File: VN084000.D

Acq: 18 Sep 2024 22:16

Instrument :

MSVOA_N

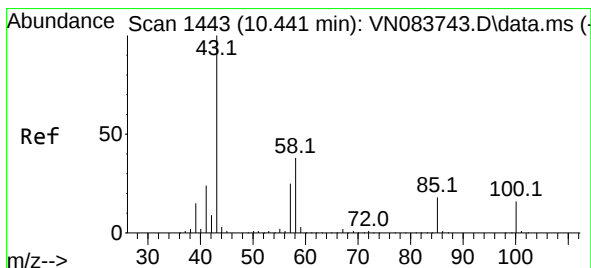
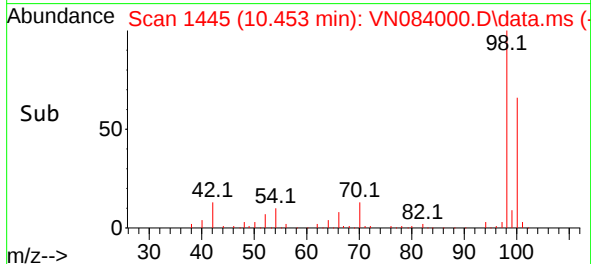
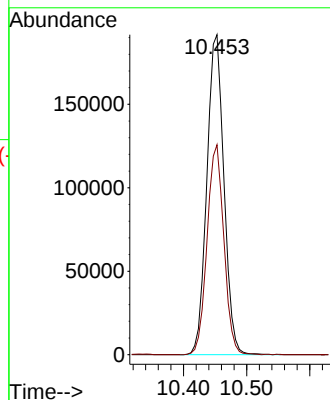
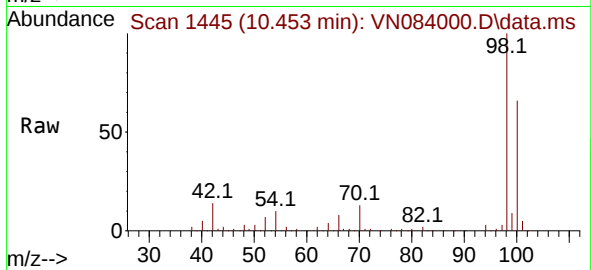
ClientSampleId :

Tgt Ion: 98 Resp: 360423

Ion Ratio Lower Upper

98 100

100 64.4 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 2.036 ug/l

RT: 10.335 min Scan# 1425

Delta R.T. -0.106 min

Lab File: VN084000.D

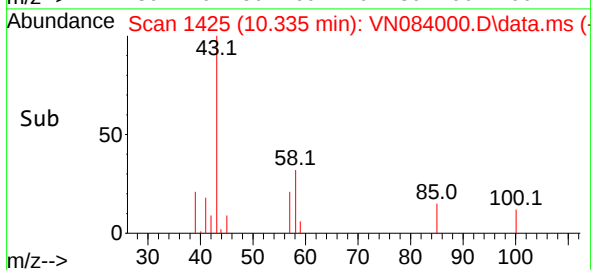
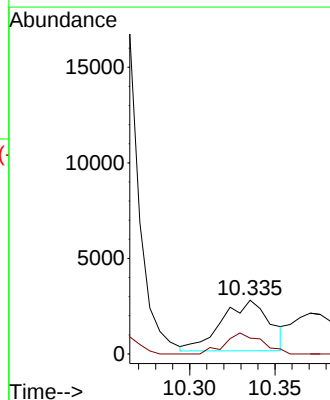
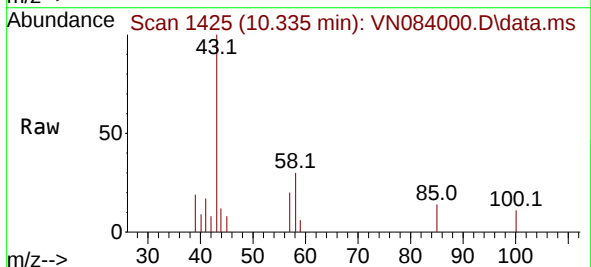
Acq: 18 Sep 2024 22:16

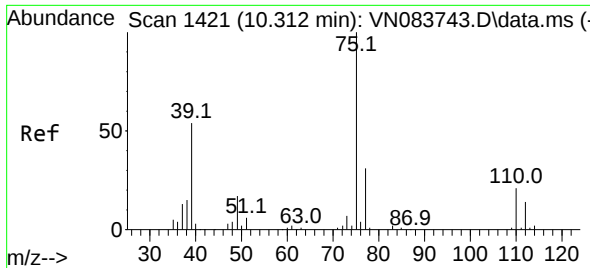
Tgt Ion: 43 Resp: 5214

Ion Ratio Lower Upper

43 100

58 31.7 31.6 47.4

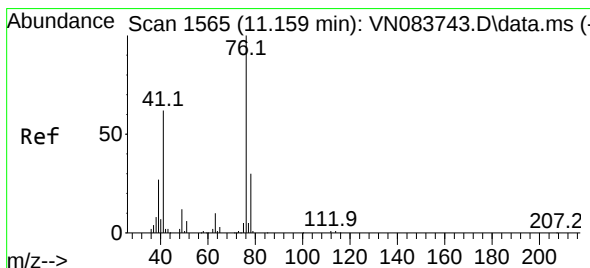
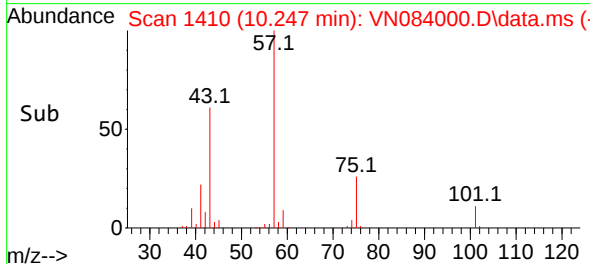
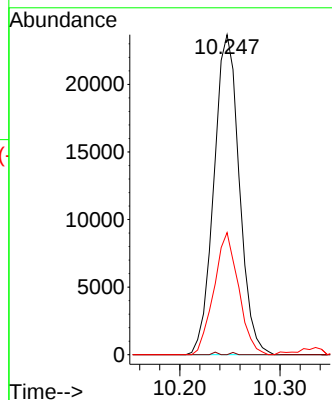
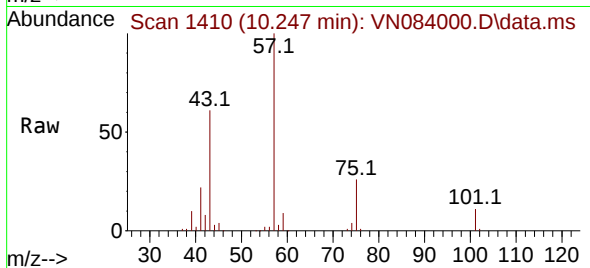




#54
 cis-1,3-Dichloropropene
 Concen: 12.357 ug/l
 RT: 10.247 min Scan# 1410
 Delta R.T. -0.065 min
 Lab File: VN084000.D
 Acq: 18 Sep 2024 22:16

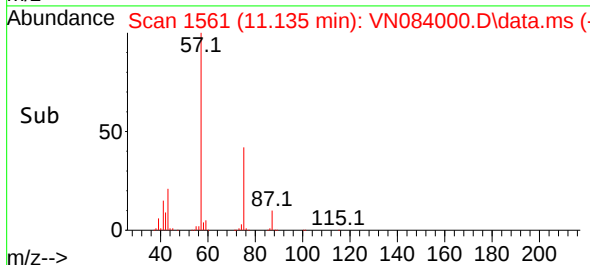
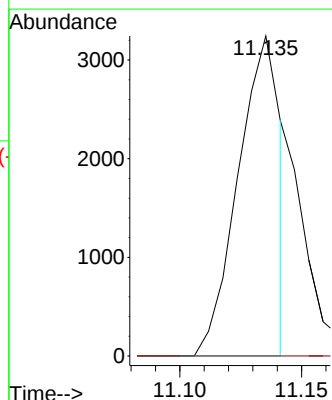
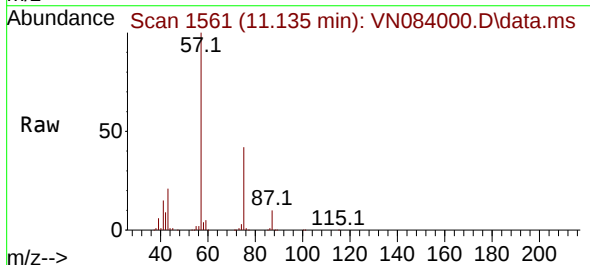
Instrument :
 MSVOA_N
 ClientSampleId :

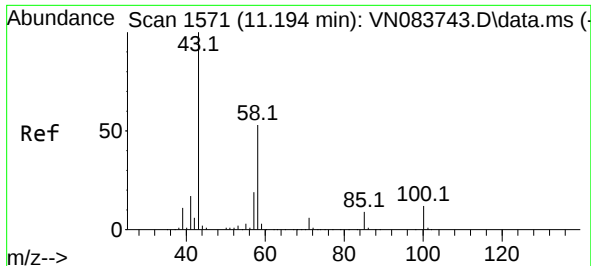
Tgt Ion: 75 Resp: 41506
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.0 37.6#
 39 38.1 42.6 64.0#



#57
 1,3-Dichloropropane
 Concen: 1.165 ug/l
 RT: 11.135 min Scan# 1561
 Delta R.T. -0.023 min
 Lab File: VN084000.D
 Acq: 18 Sep 2024 22:16

Tgt Ion: 76 Resp: 3938
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.6#

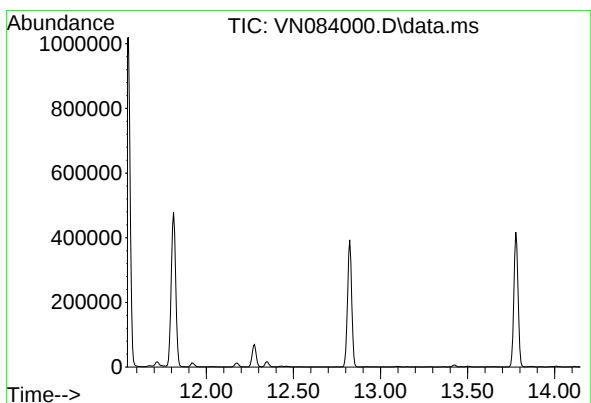
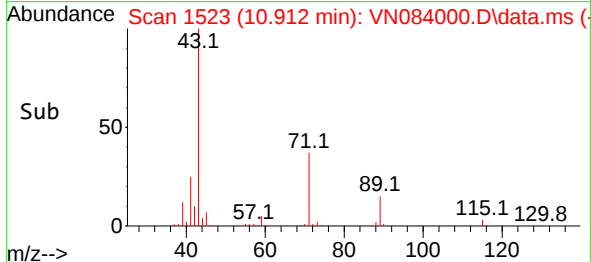
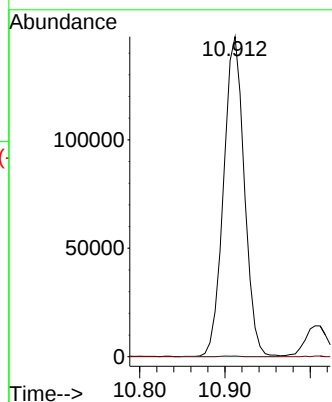
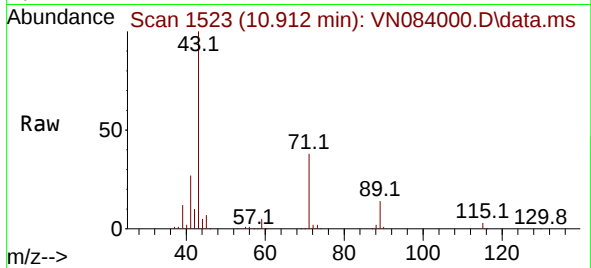




#59
2-Hexanone
Concen: 131.605 ug/l
RT: 10.912 min Scan# 11
Delta R.T. -0.282 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

Instrument :
MSVOA_N
ClientSampleId :

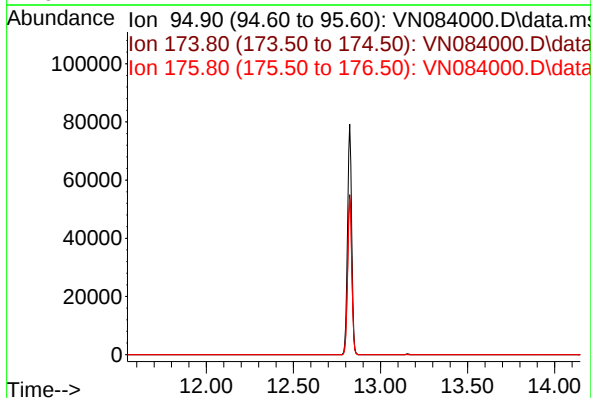
Tgt Ion: 43 Resp: 249356
Ion Ratio Lower Upper
43 100
58 0.0 27.2 81.5#



#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 12.85 min

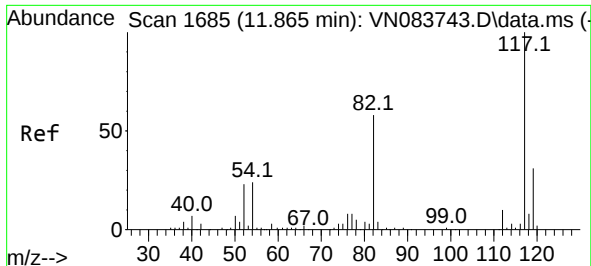
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

Tgt Ion: 95
Sig Exp Ratio
95 100
174 69.9
176 65.7



Ion 173.80 (173.50 to 174.50): VN084000.D\data.ms

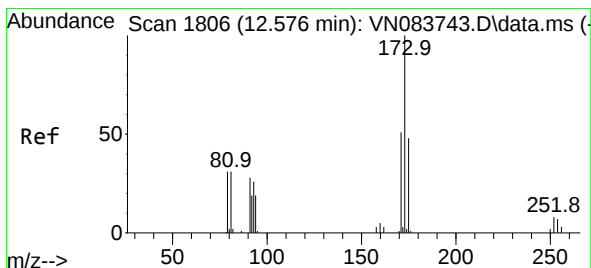
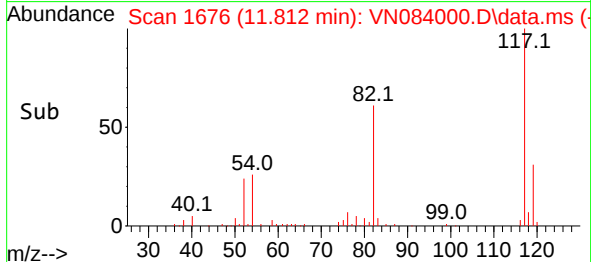
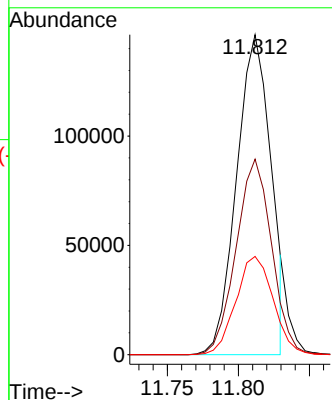
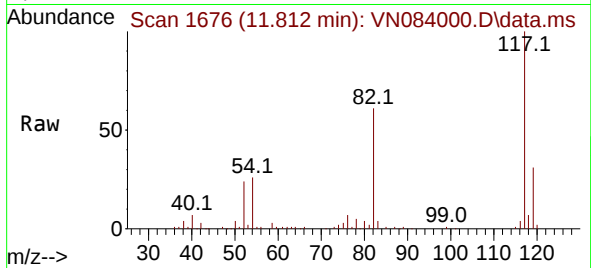
Ion 175.80 (175.50 to 176.50): VN084000.D\data.ms



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.812 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

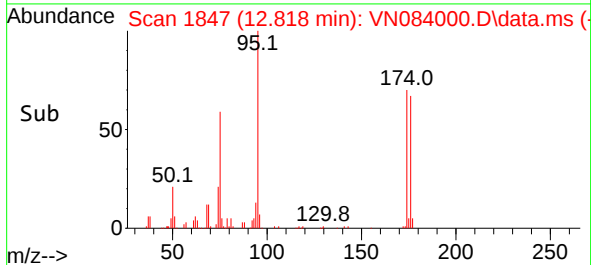
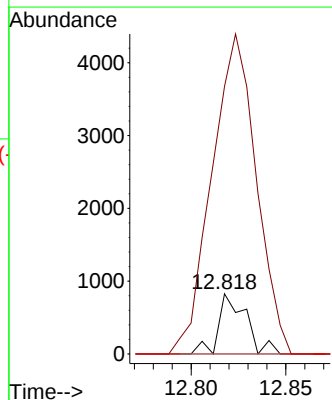
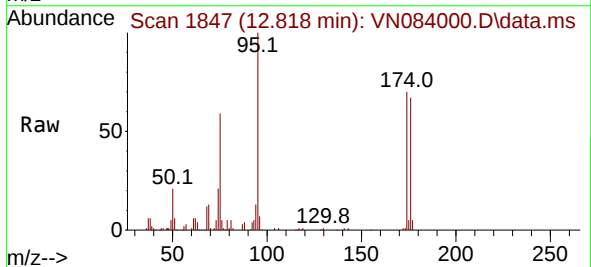
Instrument :
MSVOA_N
ClientSampleId :

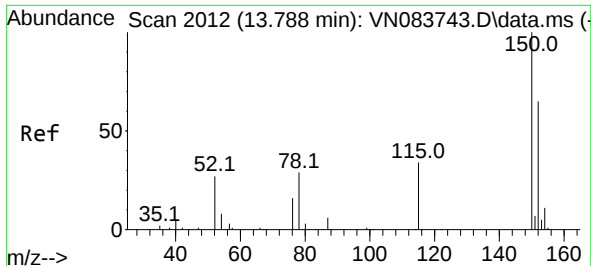
Tgt Ion:117 Resp: 246067
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.0
119 30.7 26.3 39.5



#71
Bromoform
Concen: 0.654 ug/l
RT: 12.818 min Scan# 1847
Delta R.T. 0.241 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

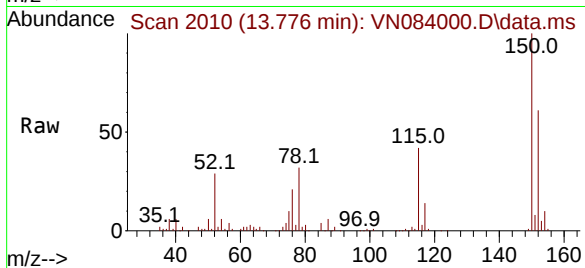
Tgt Ion:173 Resp: 836
Ion Ratio Lower Upper
173 100
175 860.0 24.1 72.2#
254 0.0 0.0 0.0



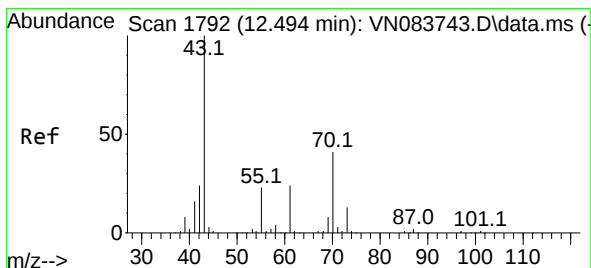
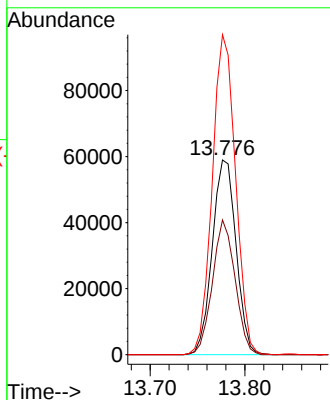
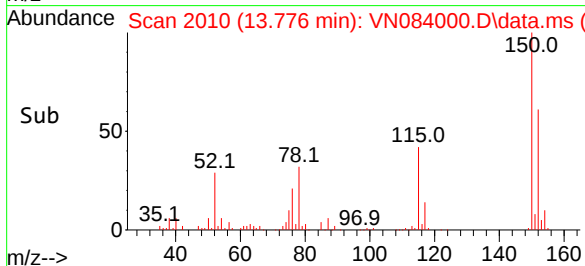


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.776 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: VN084000.D
 Acq: 18 Sep 2024 22:16

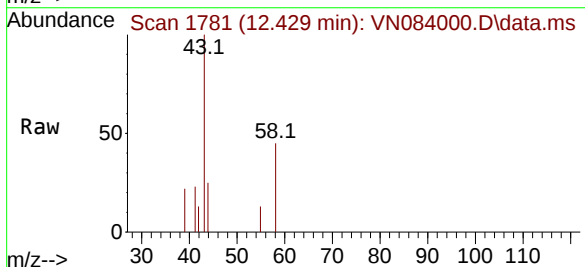
Instrument :
 MSVOA_N
 ClientSampleId :



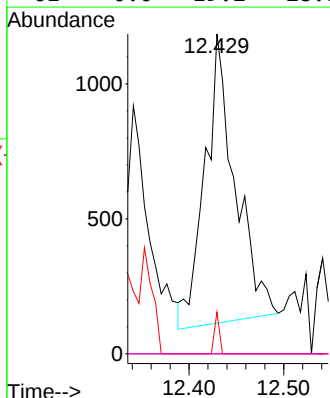
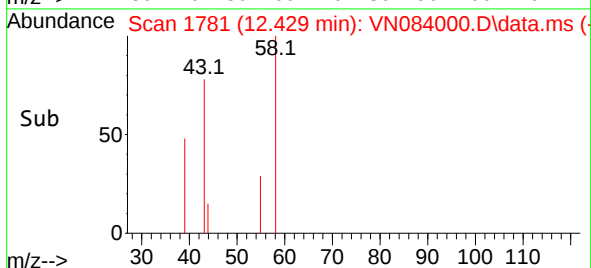
Tgt Ion:152 Resp: 103007
 Ion Ratio Lower Upper
 152 100
 115 65.7 32.2 96.6
 150 160.2 0.0 348.6

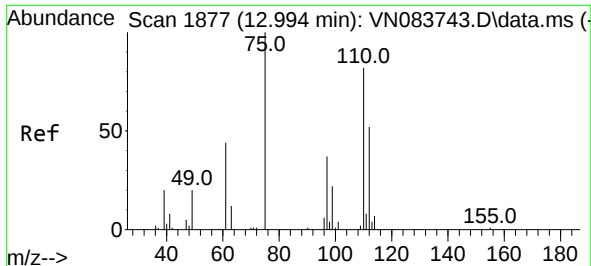


#74
 N-ethyl acetate
 Concen: 0.698 ug/l
 RT: 12.429 min Scan# 1781
 Delta R.T. -0.065 min
 Lab File: VN084000.D
 Acq: 18 Sep 2024 22:16



Tgt Ion: 43 Resp: 2374
 Ion Ratio Lower Upper
 43 100
 70 0.0 34.5 51.7#
 55 2.3 18.6 28.0#
 61 0.0 19.2 28.8#

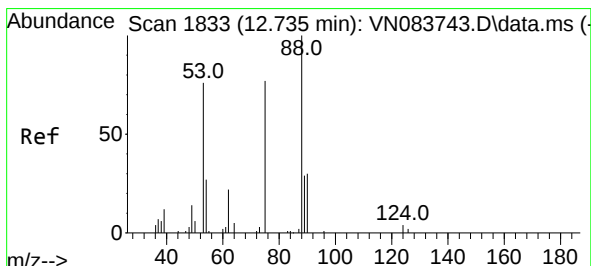
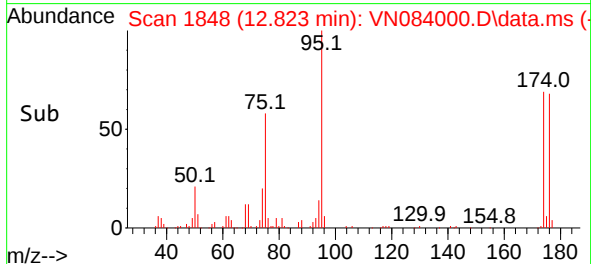
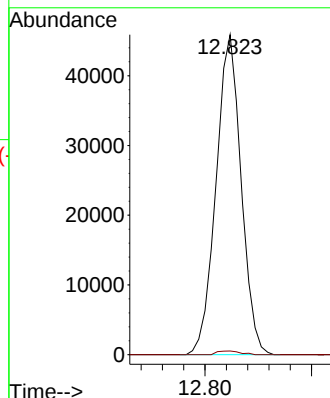
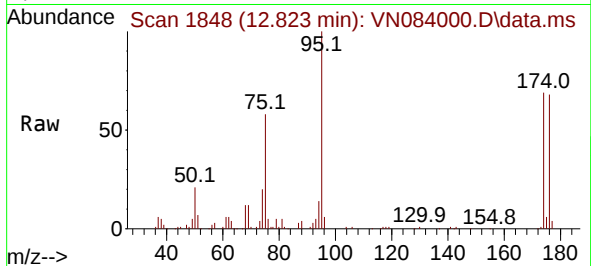




#76
1,2,3-Trichloropropane
Concen: 36.052 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.171 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 74934
Ion Ratio Lower Upper
75 100
77 1.1 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.424 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.088 min
Lab File: VN084000.D
Acq: 18 Sep 2024 22:16

Tgt Ion: 75 Resp: 74934
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

