

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
 Data File : VN084655.D
 Acq On : 04 Nov 2024 14:17
 Operator : JC\MD
 Sample : P4645-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 05 00:26:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

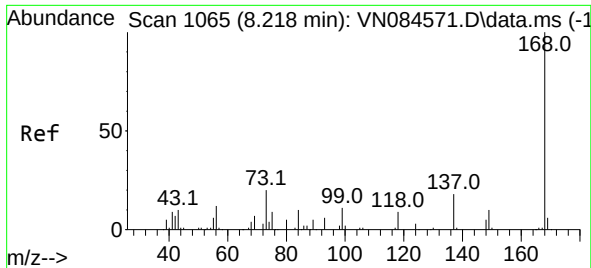
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	172538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	283352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116987	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	123610	49.602	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.200%
35) Dibromofluoromethane	8.159	113	101636	48.795	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.580%
50) Toluene-d8	10.565	98	372381	48.532	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.060%
62) 4-Bromofluorobenzene	12.847	95	131571	45.882	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.760%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	628	Below Cal	#	41
6) Chloroethane	3.136	64	172	Below Cal	#	45
11) Tert butyl alcohol	5.483	59	2429	7.384	ug/l #	73
16) Acetone	4.430	43	15301	18.616	ug/l	98
18) Methyl Acetate	5.036	43	6380	Below Cal		97
20) Methylene Chloride	5.259	84	2270	1.036	ug/l #	69
25) 2-Butanone	7.500	43	1804	1.552	ug/l #	89
29) Tetrahydrofuran	7.847	42	426	0.552	ug/l #	34
31) Cyclohexane	8.224	56	3645	1.059	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14024	4.855	ug/l #	50
37) Ethyl Acetate	7.559	43	2669	1.018	ug/l #	88
38) Carbon Tetrachloride	8.218	117	19082	5.910	ug/l #	15
43) Isopropyl Acetate	8.688	43	116454	23.540	ug/l #	87
45) 1,2-Dichloropropane	9.735	63	1006	0.462	ug/l #	44
48) Methyl methacrylate	9.671	41	2981	1.461	ug/l #	37
51) 4-Methyl-2-Pentanone	10.441	43	6868	2.749	ug/l #	74
54) cis-1,3-Dichloropropene	10.359	75	32131	9.060	ug/l #	61
56) Ethyl methacrylate	10.988	69	1473	0.498	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	3998	1.140	ug/l #	42
59) 2-Hexanone	11.200	43	47425	26.077	ug/l #	57
74) N-amyl acetate	12.300	43	13531	3.878	ug/l #	52
76) 1,2,3-Trichloropropane	12.847	75	66516	28.444	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	66516	67.480	ug/l #	11
88) 1,4-Dichlorobenzene	13.800	146	90	Below Cal	#	1

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

Quant Time: Nov 05 00:26:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

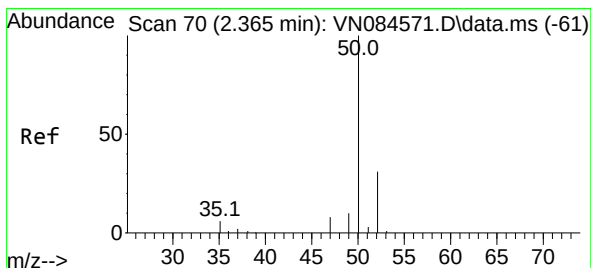
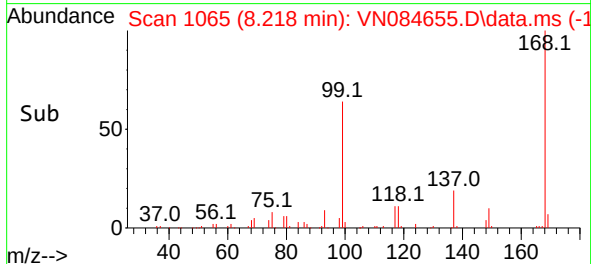
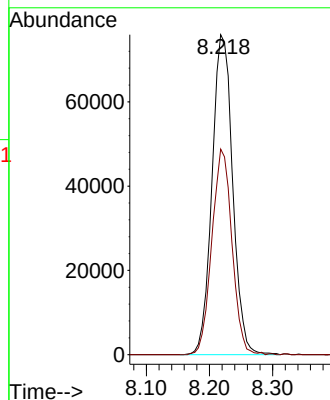
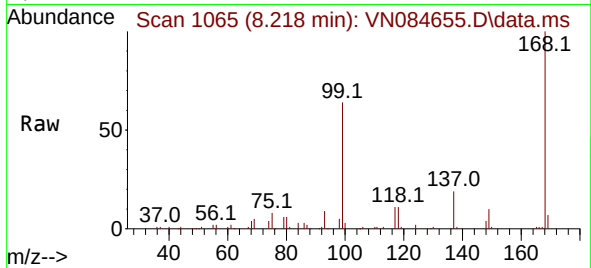




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

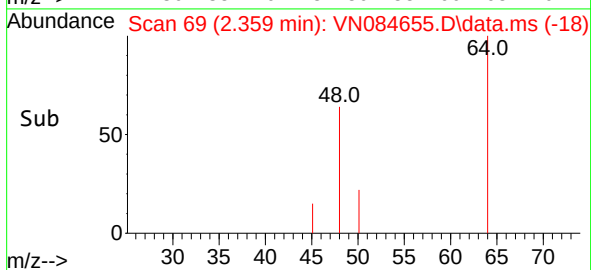
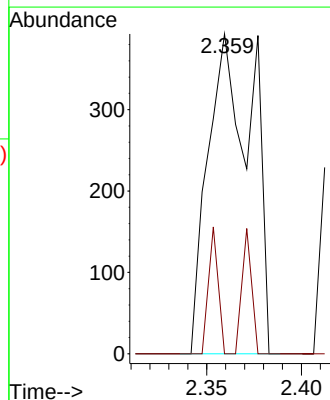
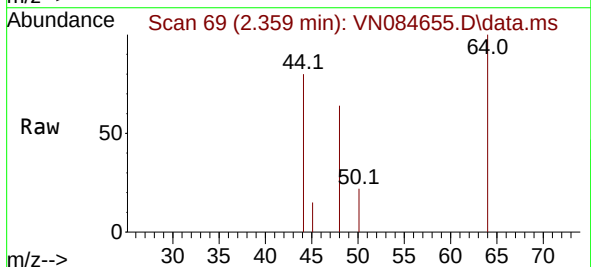
Instrument :
MSVOA_N
ClientSampleId :

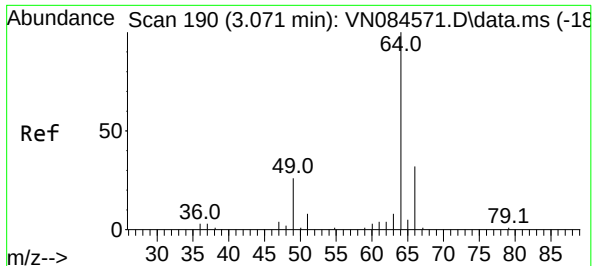
Tgt Ion:168 Resp: 172538
Ion Ratio Lower Upper
168 100
99 64.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

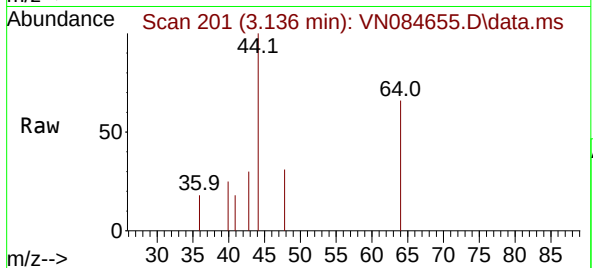
Tgt Ion: 50 Resp: 628
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



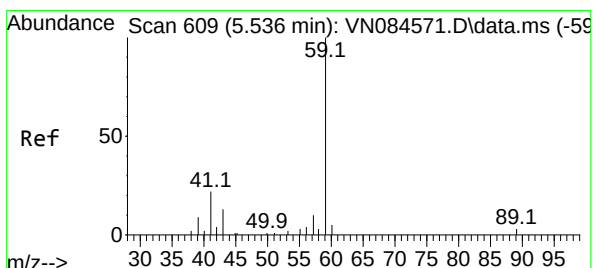
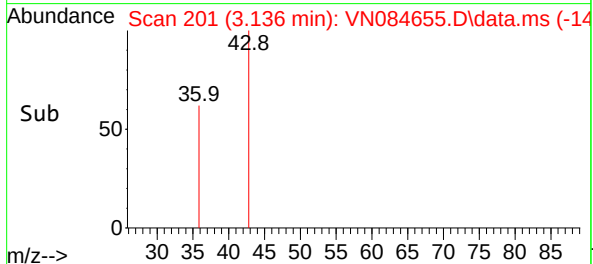
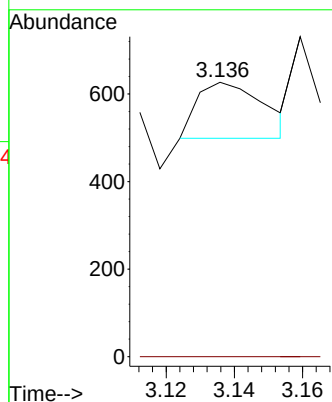


#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :

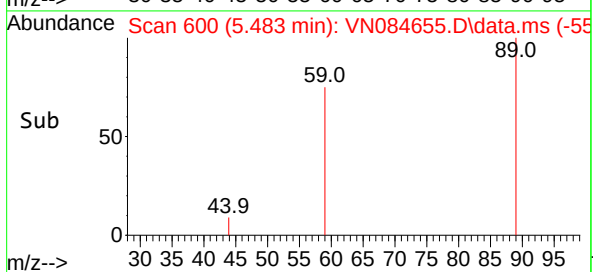
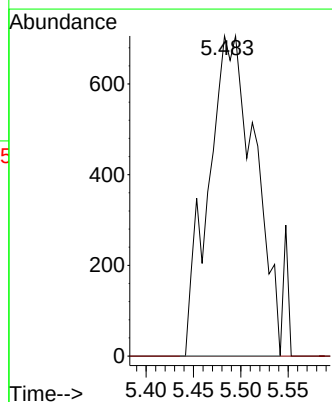
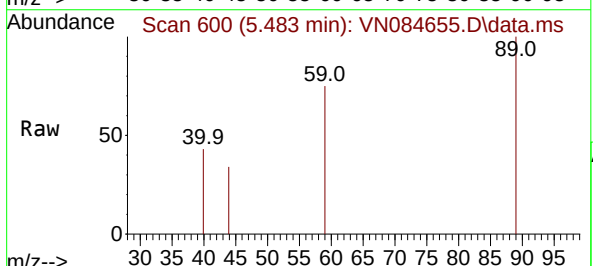


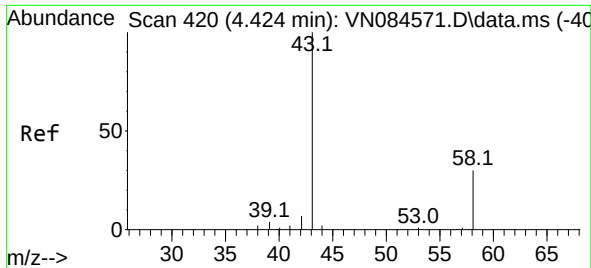
Tgt Ion: 64 Resp: 172
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 7.384 ug/l
RT: 5.483 min Scan# 600
Delta R.T. -0.041 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

Tgt Ion: 59 Resp: 2429
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

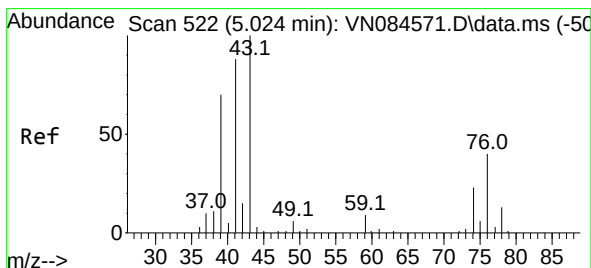
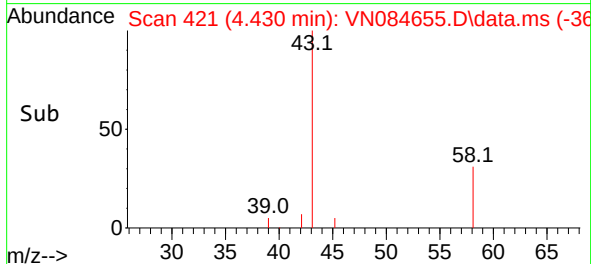
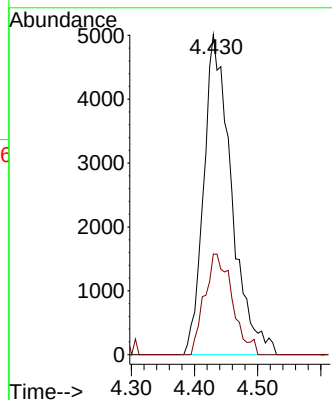
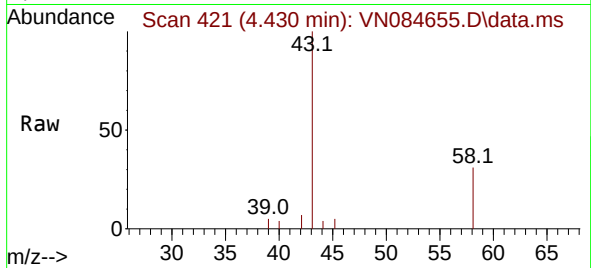




#16
Acetone
Concen: 18.616 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

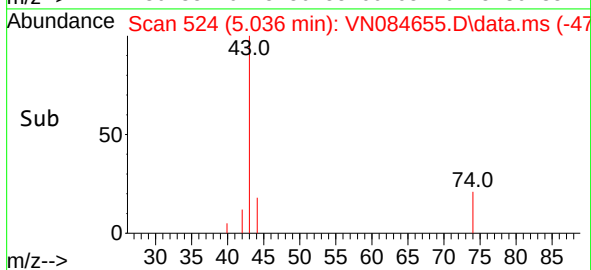
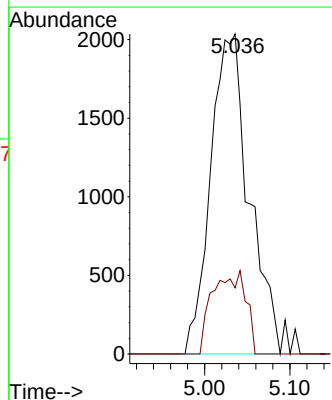
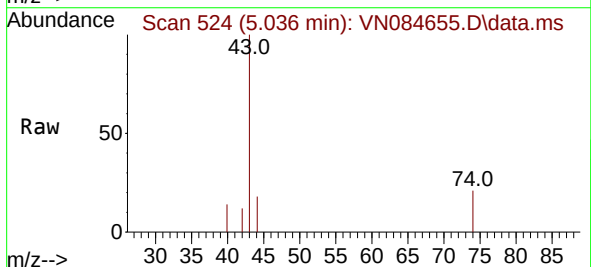
Instrument :
MSVOA_N
ClientSampleId :

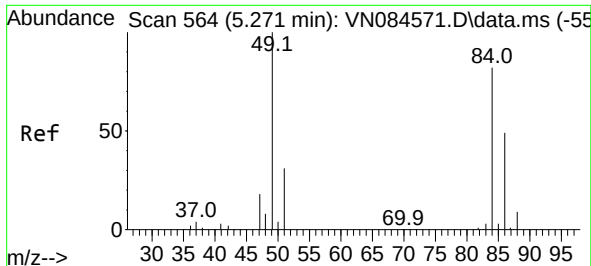
Tgt Ion: 43 Resp: 15301
Ion Ratio Lower Upper
43 100
58 31.5 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

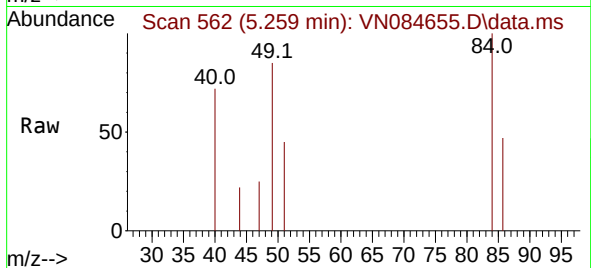
Tgt Ion: 43 Resp: 6380
Ion Ratio Lower Upper
43 100
74 22.4 19.2 28.8



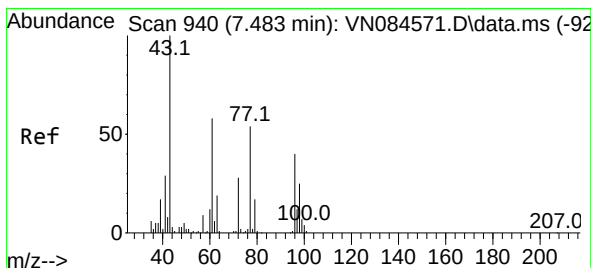
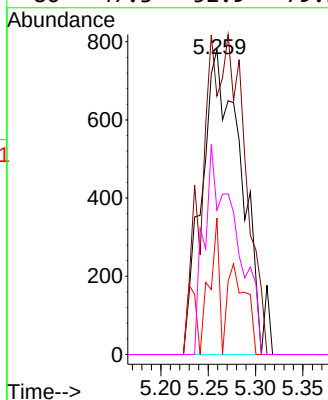
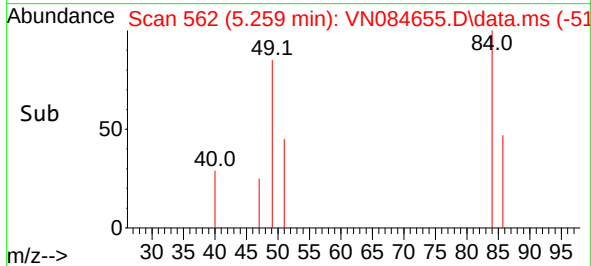


#20
Methylene Chloride
Concen: 1.036 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :

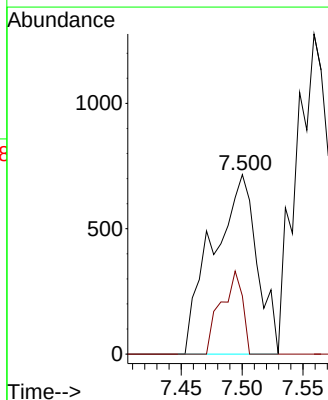
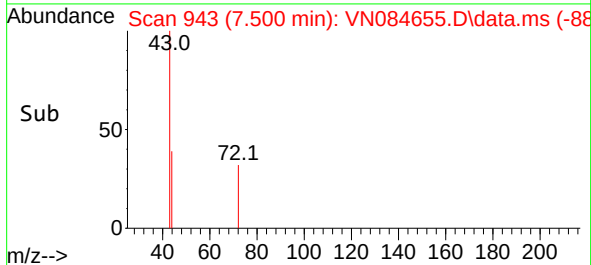
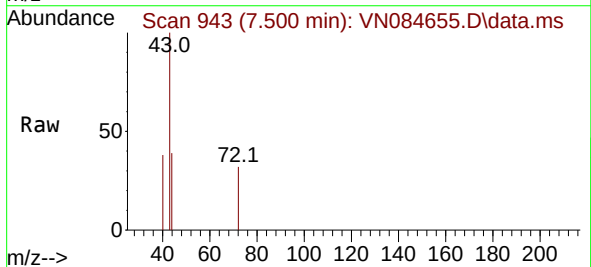


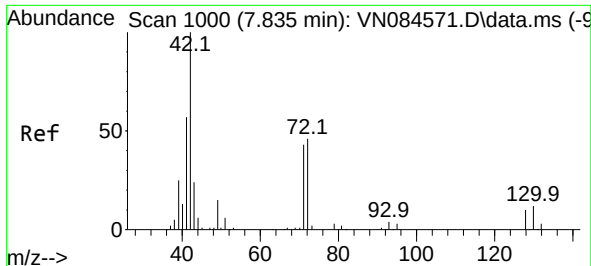
Tgt Ion:	84	Resp:	2270
Ion	Ratio	Lower	Upper
84	100		
49	84.7	107.2	160.8#
51	44.7	31.8	47.8
86	47.3	52.9	79.3#



#25
2-Butanone
Concen: 1.552 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

Tgt Ion:	43	Resp:	1804
Ion	Ratio	Lower	Upper
43	100		
72	32.4	21.4	32.2#





#29

Tetrahydrofuran

Concen: 0.552 ug/l

RT: 7.847 min Scan# 1066

Delta R.T. 0.012 min

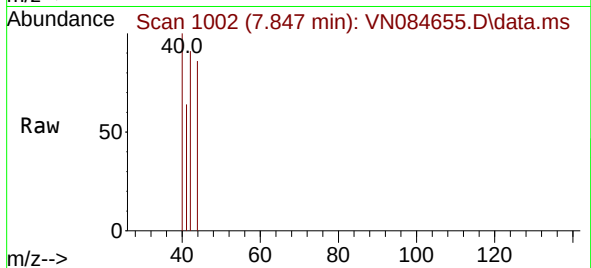
Lab File: VN084655.D

Acq: 04 Nov 2024 14:17

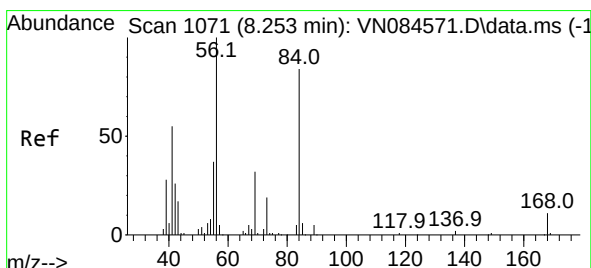
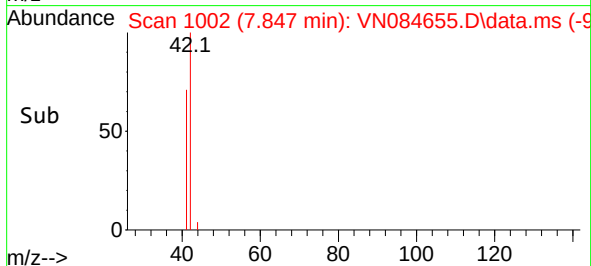
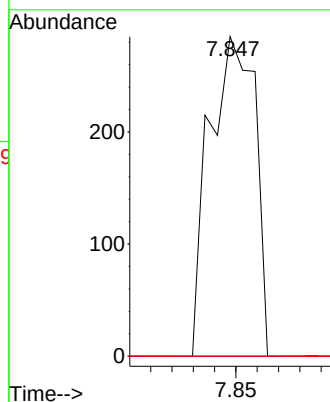
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	426
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.059 ug/l

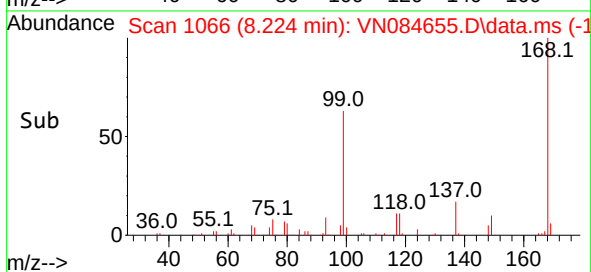
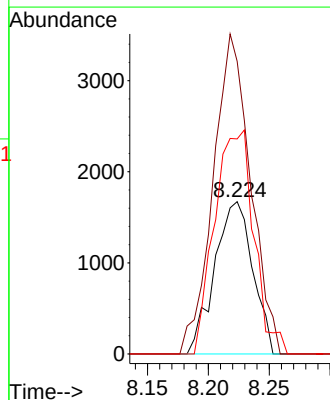
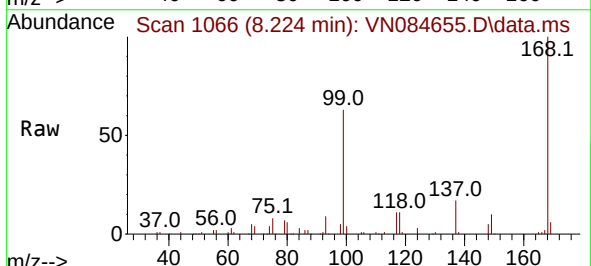
RT: 8.224 min Scan# 1066

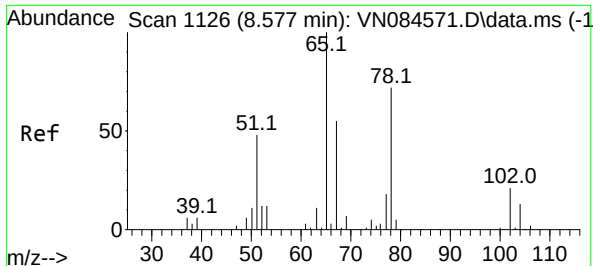
Delta R.T. -0.029 min

Lab File: VN084655.D

Acq: 04 Nov 2024 14:17

Tgt Ion:	56	Resp:	3645
Ion Ratio	Lower	Upper	
56	100		
69	192.0	23.8	35.6#
84	141.1	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.602 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084655.D

Acq: 04 Nov 2024 14:17

Instrument :

MSVOA_N

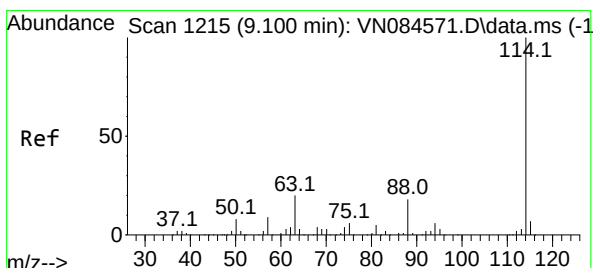
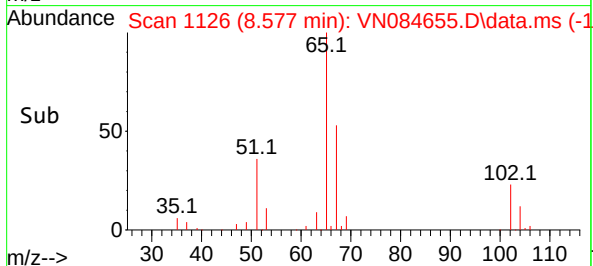
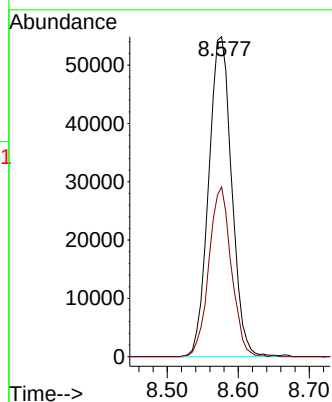
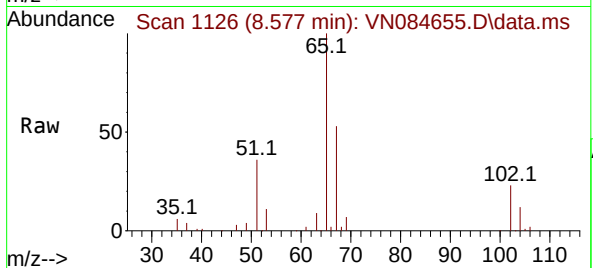
ClientSampleId :

Tgt Ion: 65 Resp: 123610

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084655.D

Acq: 04 Nov 2024 14:17

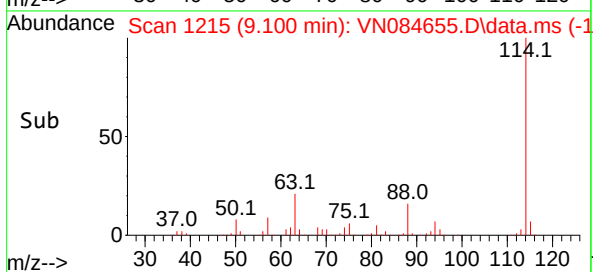
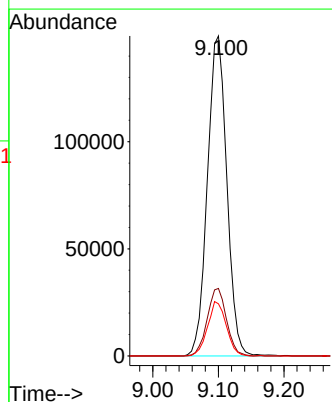
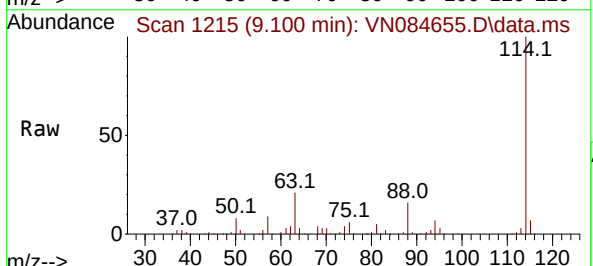
Tgt Ion: 114 Resp: 307725

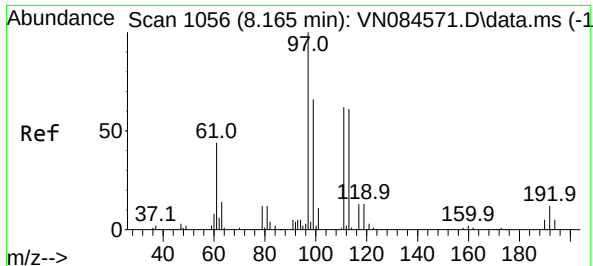
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.8

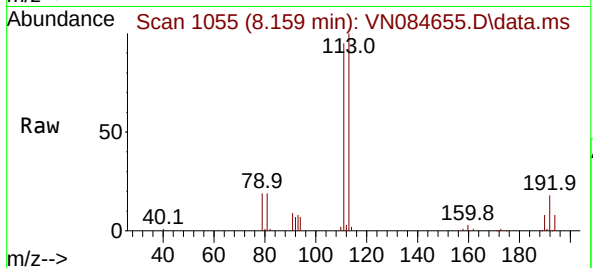
88 16.3 0.0 31.6



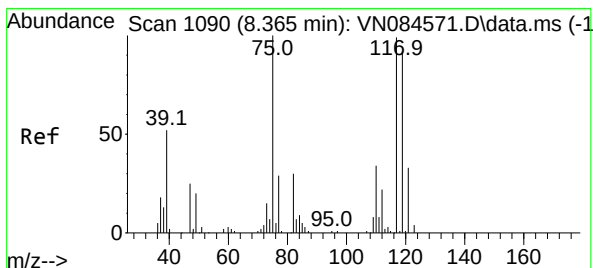
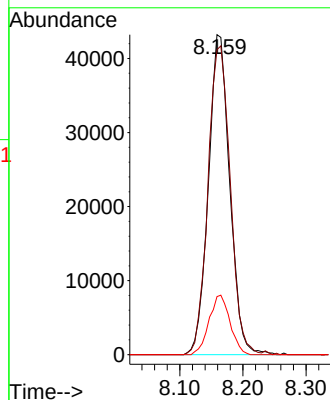
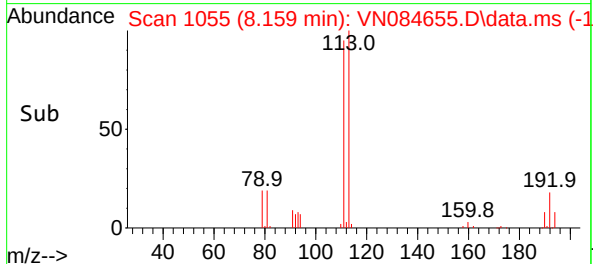


#35
Dibromofluoromethane
Concen: 48.795 ug/l
RT: 8.159 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :

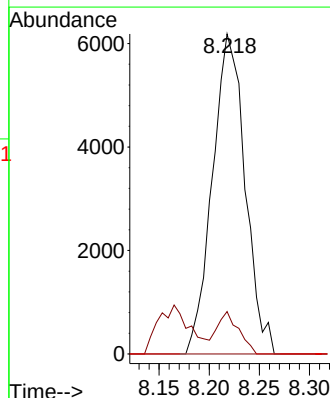
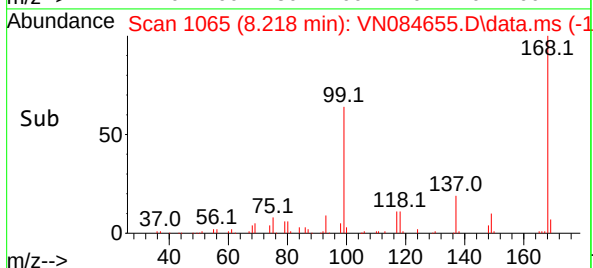
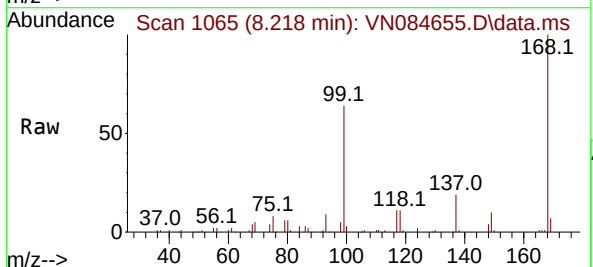


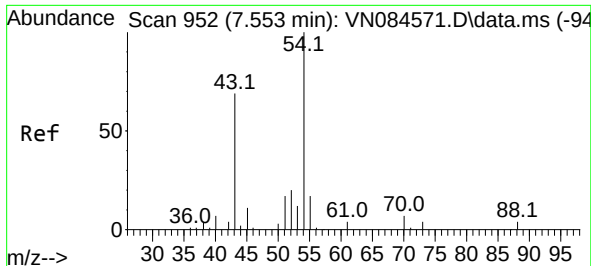
Tgt Ion:113 Resp: 101636
Ion Ratio Lower Upper
113 100
111 100.5 83.3 124.9
192 18.2 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.855 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

Tgt Ion: 75 Resp: 14024
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.018 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

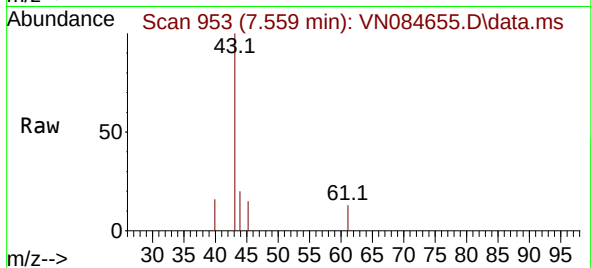
Lab File: VN084655.D

Acq: 04 Nov 2024 14:17

Instrument :

MSVOA_N

ClientSampleId :



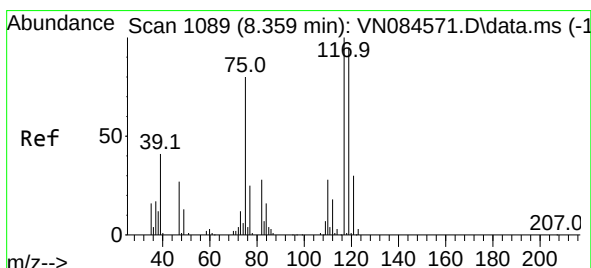
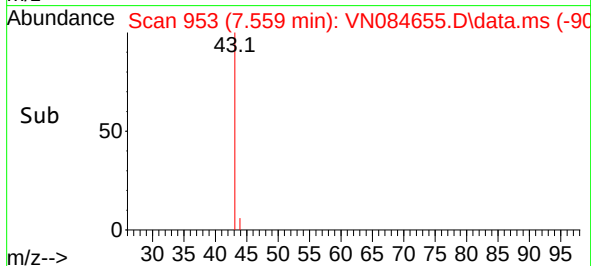
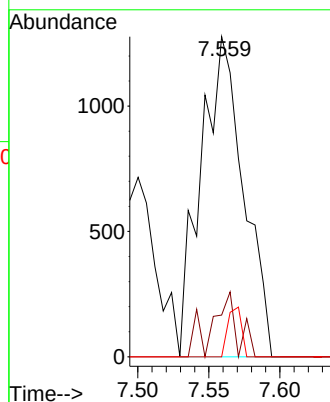
Tgt Ion: 43 Resp: 2669

Ion Ratio Lower Upper

43 100

61 9.8 10.7 16.1#

70 4.9 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.910 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084655.D

Acq: 04 Nov 2024 14:17

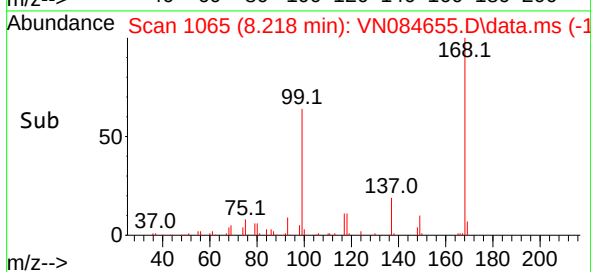
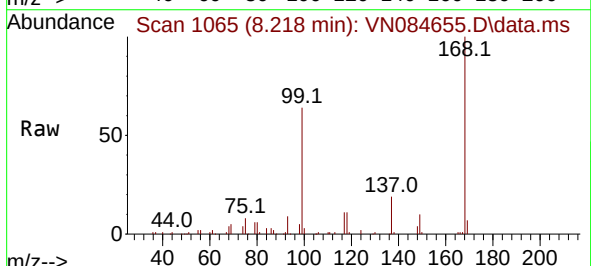
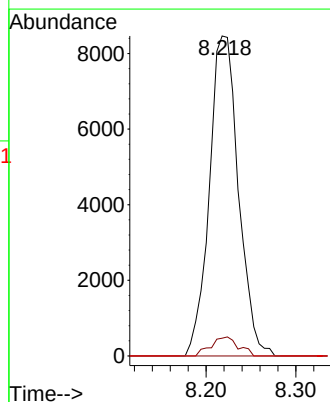
Tgt Ion: 117 Resp: 19082

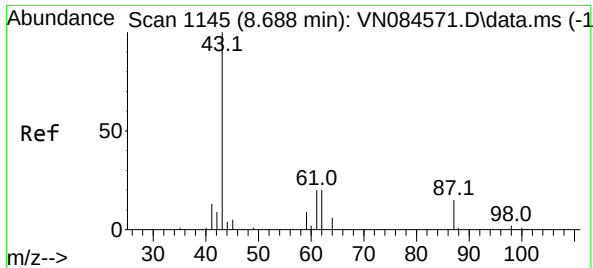
Ion Ratio Lower Upper

117 100

119 5.5 78.7 118.1#

121 0.0 24.4 36.6#

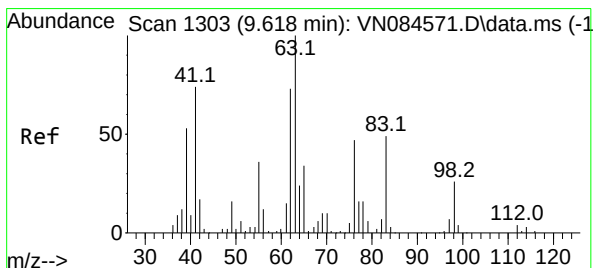
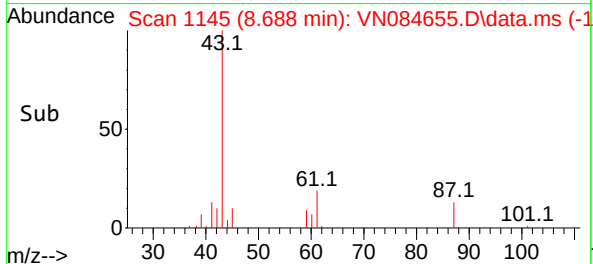
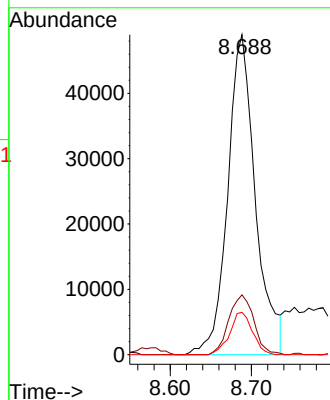
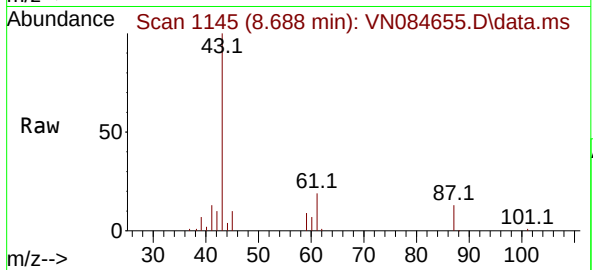




#43
Isopropyl Acetate
Concen: 23.540 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

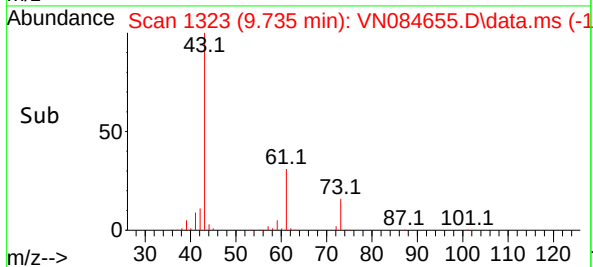
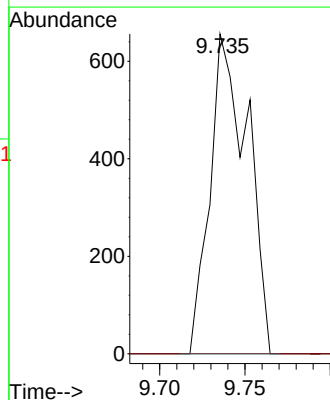
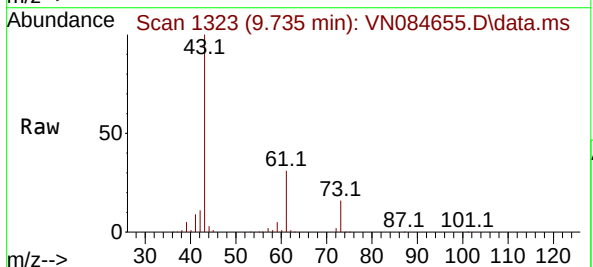
Instrument :
MSVOA_N
ClientSampleId :

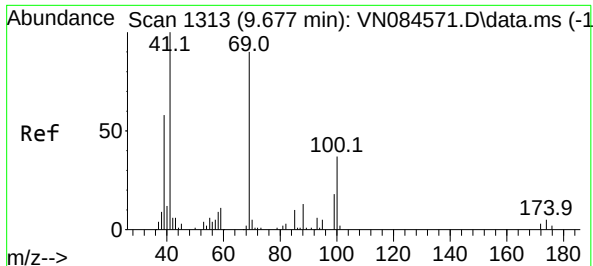
Tgt Ion: 43 Resp: 116454
Ion Ratio Lower Upper
43 100
61 16.9 20.4 30.6#
87 10.8 10.3 15.5



#45
1,2-Dichloropropane
Concen: 0.462 ug/l
RT: 9.735 min Scan# 1323
Delta R.T. 0.117 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

Tgt Ion: 63 Resp: 1006
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.461 ug/l

RT: 9.671 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN084655.D

Acq: 04 Nov 2024 14:17

Instrument :

MSVOA_N

ClientSampleId :

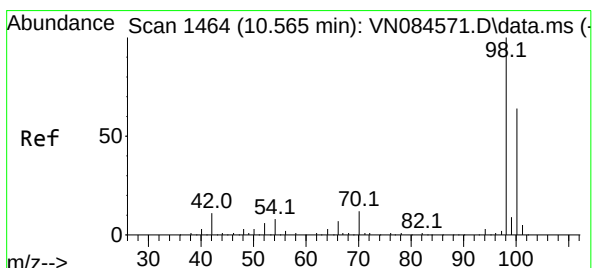
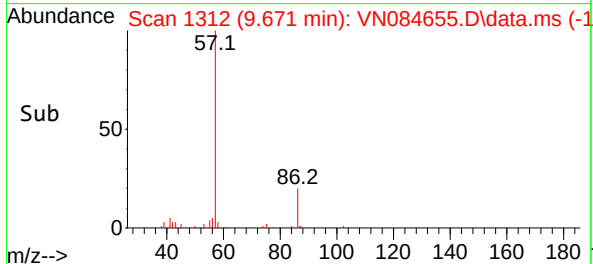
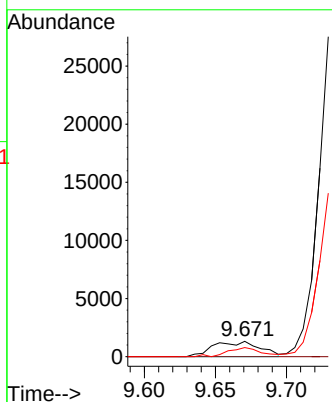
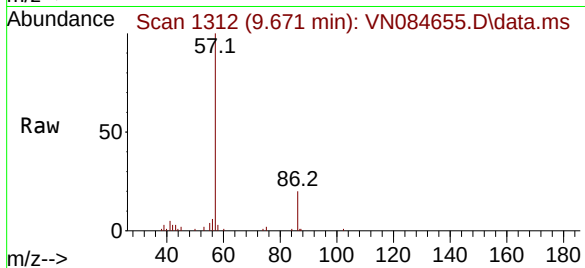
Tgt Ion: 41 Resp: 2981

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 43.3 45.8 68.6#



#50

Toluene-d8

Concen: 48.532 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084655.D

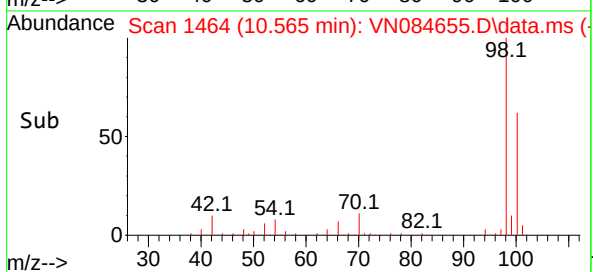
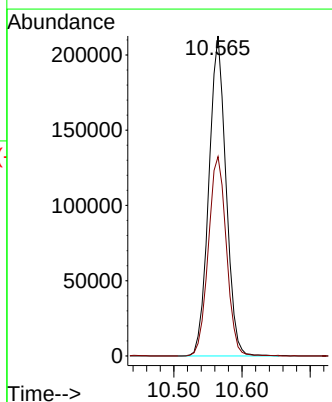
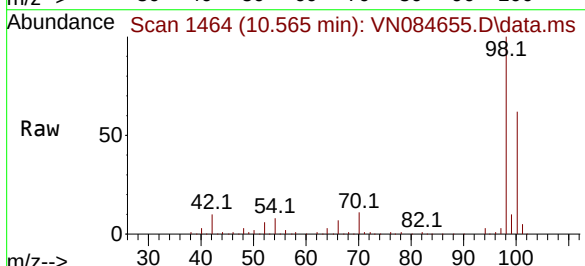
Acq: 04 Nov 2024 14:17

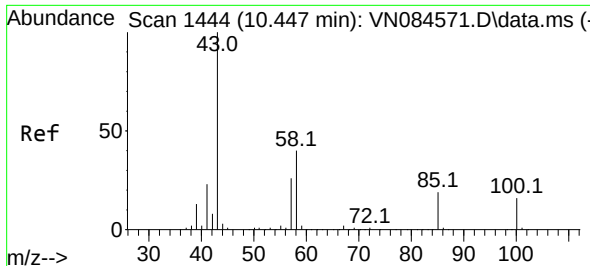
Tgt Ion: 98 Resp: 372381

Ion Ratio Lower Upper

98 100

100 65.5 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 2.749 ug/l

RT: 10.441 min Scan# 1443

Delta R.T. -0.000 min

Lab File: VN084655.D

Acq: 04 Nov 2024 14:17

Instrument :

MSVOA_N

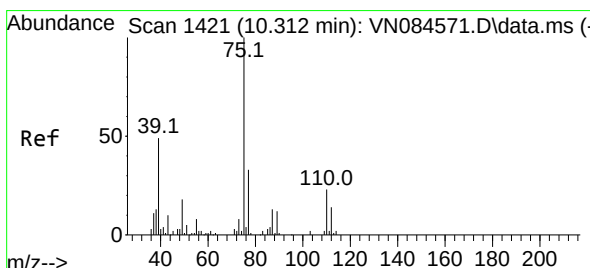
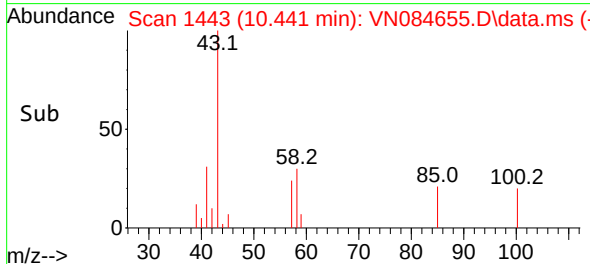
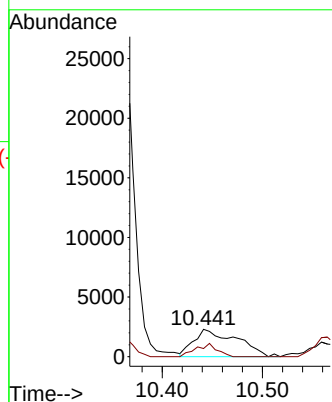
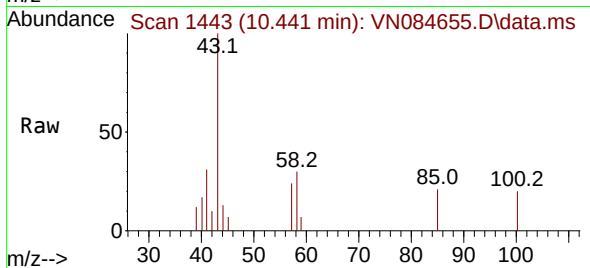
ClientSampleId :

Tgt Ion: 43 Resp: 6868

Ion Ratio Lower Upper

43 100

58 23.5 31.6 47.4#



#54

cis-1,3-Dichloropropene

Concen: 9.060 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN084655.D

Acq: 04 Nov 2024 14:17

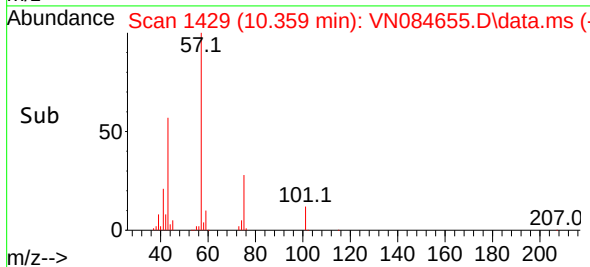
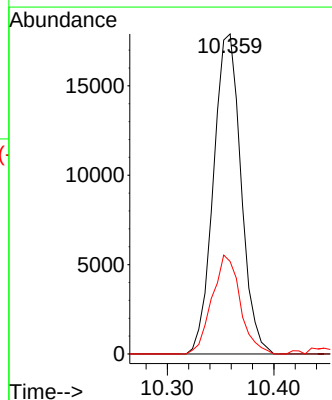
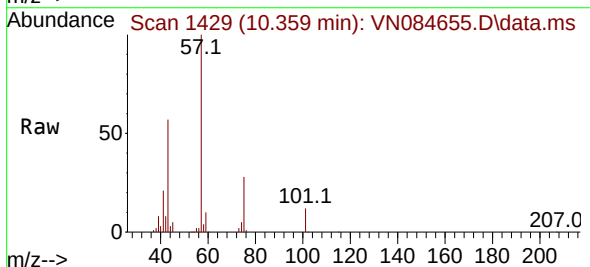
Tgt Ion: 75 Resp: 32131

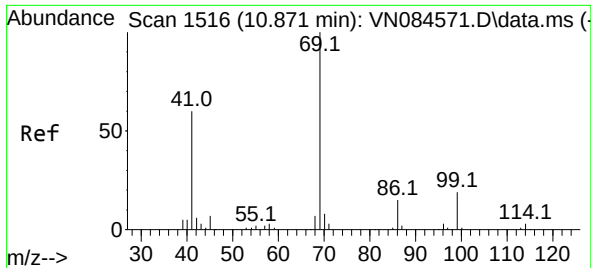
Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#

39 28.9 38.7 58.1#

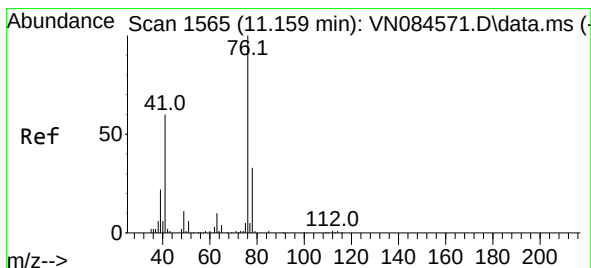
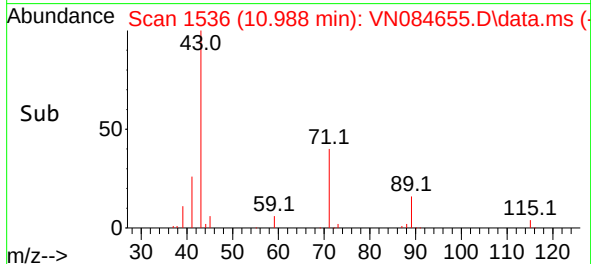
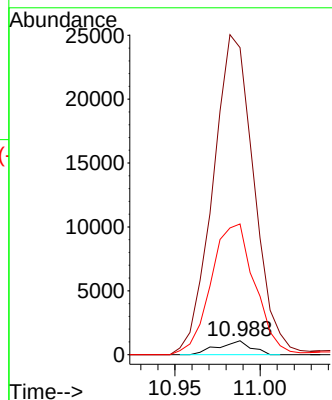
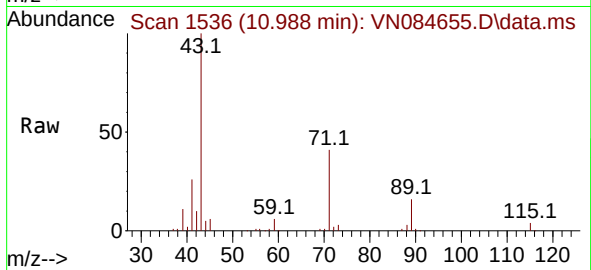




#56
Ethyl methacrylate
Concen: 0.498 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.118 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

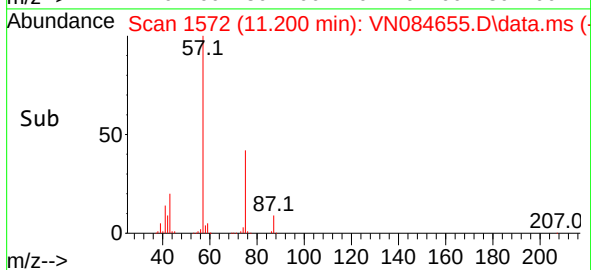
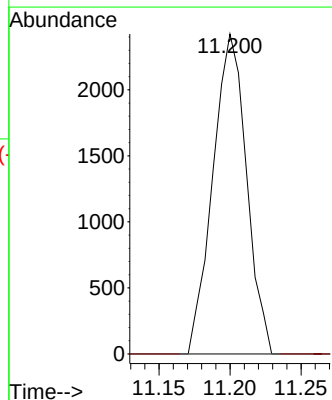
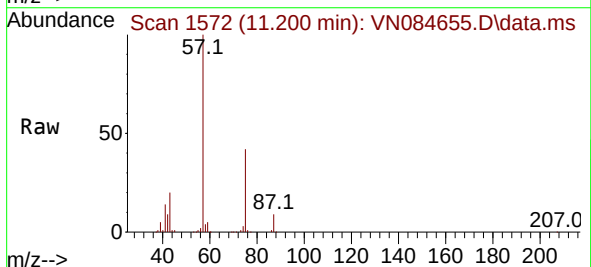
Instrument :
MSVOA_N
ClientSampleId :

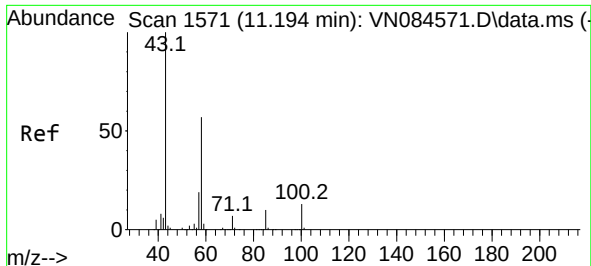
Tgt Ion: 69 Resp: 1473
Ion Ratio Lower Upper
69 100
41 2859.5 53.3 79.9#
39 1249.5 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.140 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

Tgt Ion: 76 Resp: 3998
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

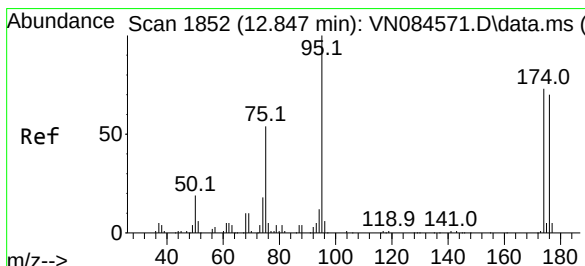
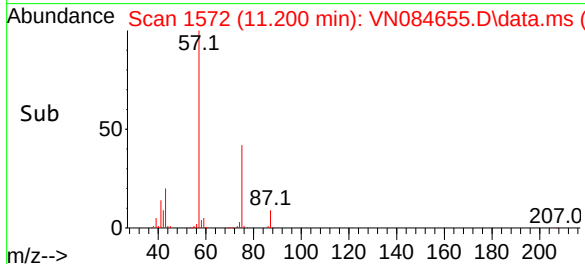
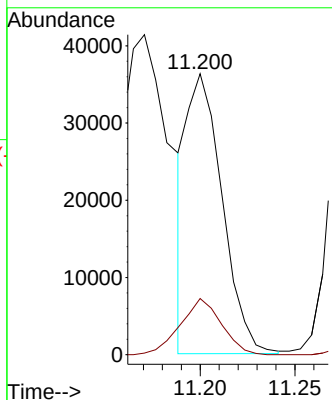
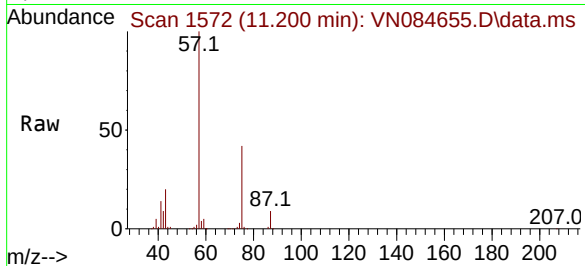




#59
2-Hexanone
Concen: 26.077 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

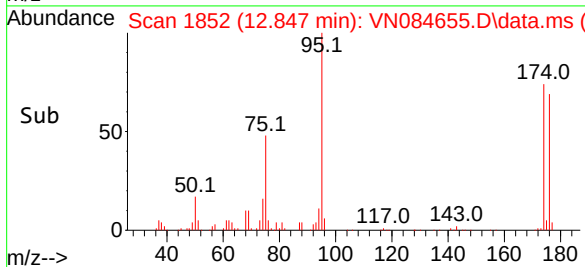
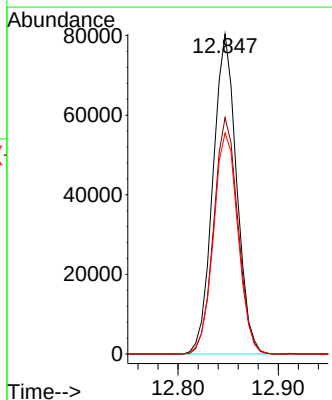
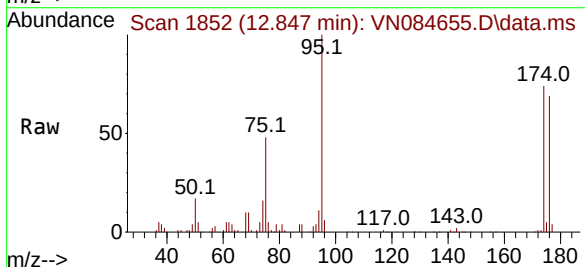
Instrument :
MSVOA_N
ClientSampleId :

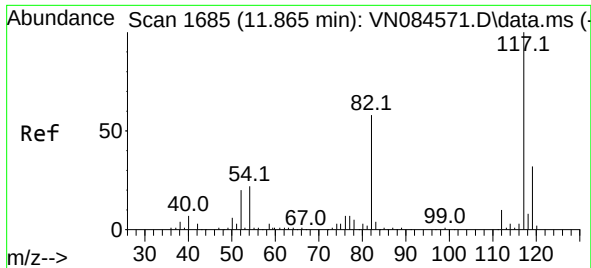
Tgt Ion: 43 Resp: 47425
Ion Ratio Lower Upper
43 100
58 23.2 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 45.882 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

Tgt Ion: 95 Resp: 131571
Ion Ratio Lower Upper
95 100
174 75.5 0.0 145.2
176 71.6 0.0 140.0

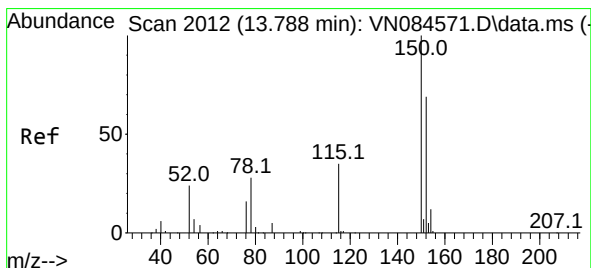
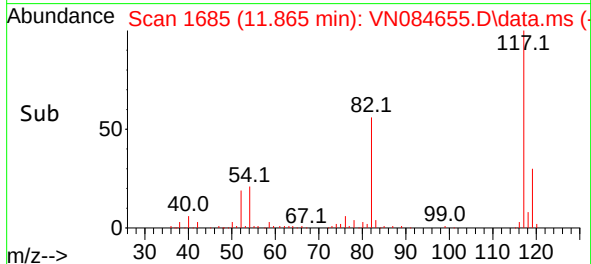
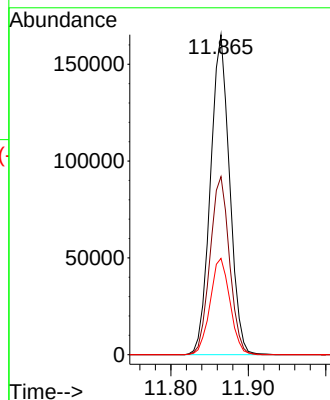
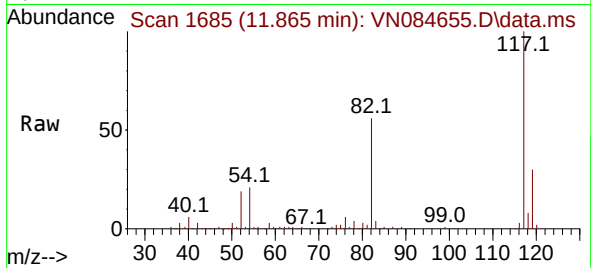




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

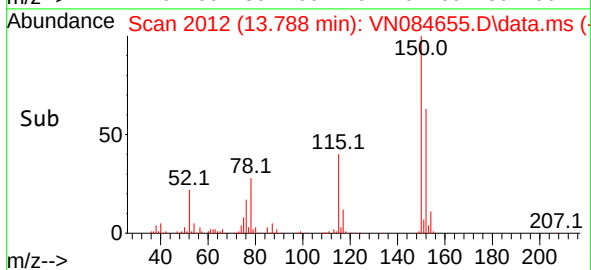
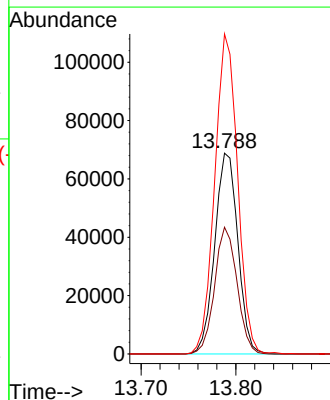
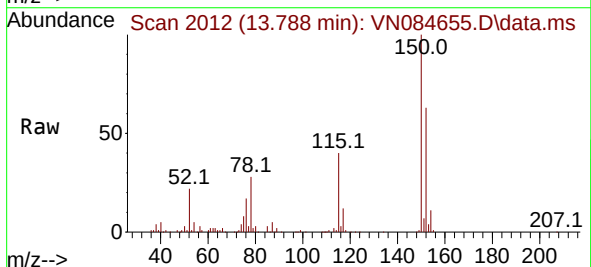
Instrument :
MSVOA_N
ClientSampleId :

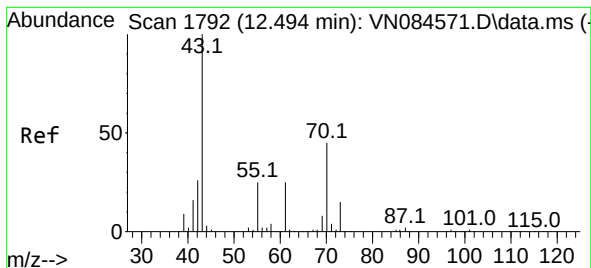
Tgt Ion:117 Resp: 283352
Ion Ratio Lower Upper
117 100
82 55.6 47.2 70.8
119 30.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

Tgt Ion:152 Resp: 116987
Ion Ratio Lower Upper
152 100
115 61.2 31.3 93.9
150 157.6 0.0 349.8





#74

N-amy1 acetate

Concen: 3.878 ug/l

RT: 12.300 min Scan# 1

Delta R.T. -0.194 min

Lab File: VN084655.D

Acq: 04 Nov 2024 14:17

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 13531

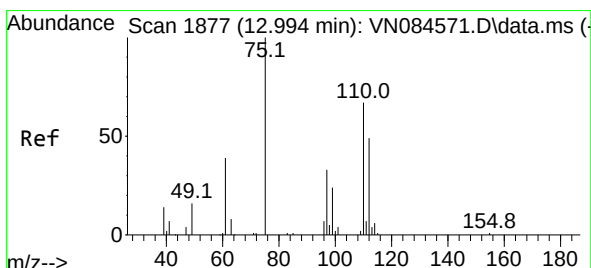
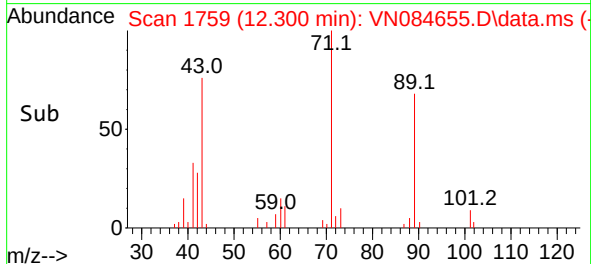
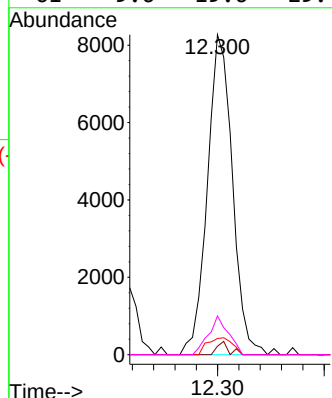
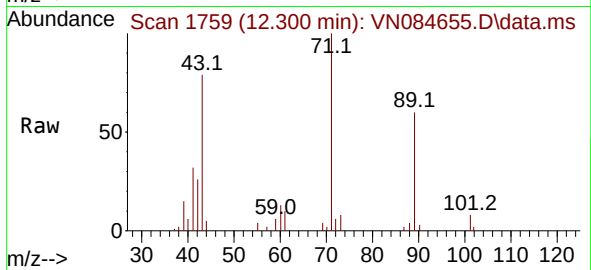
Ion Ratio Lower Upper

43 100

70 1.9 34.4 51.6#

55 5.3 19.6 29.4#

61 9.6 19.6 29.4#



#76

1,2,3-Trichloropropane

Concen: 28.444 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084655.D

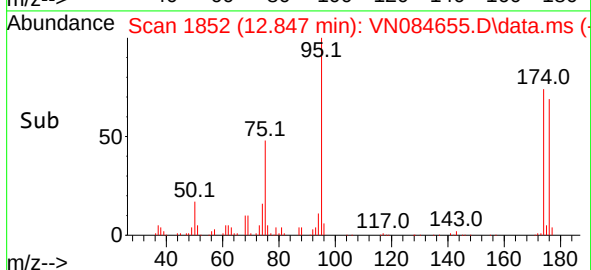
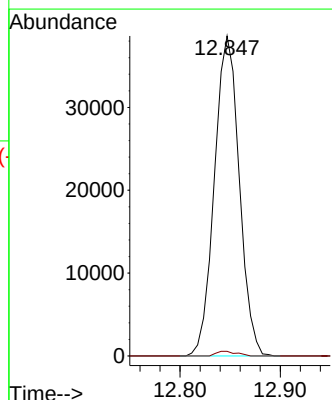
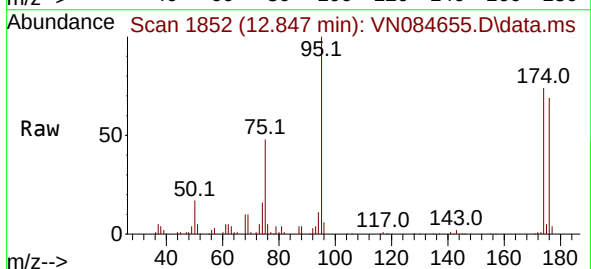
Acq: 04 Nov 2024 14:17

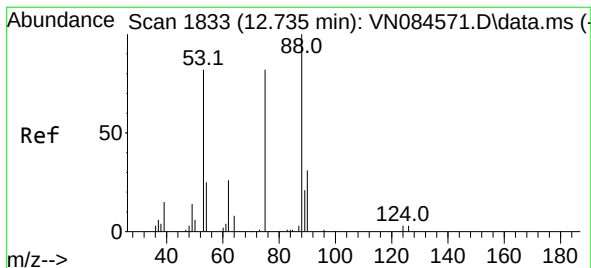
Tgt Ion: 75 Resp: 66516

Ion Ratio Lower Upper

75 100

77 1.2 96.9 290.7#

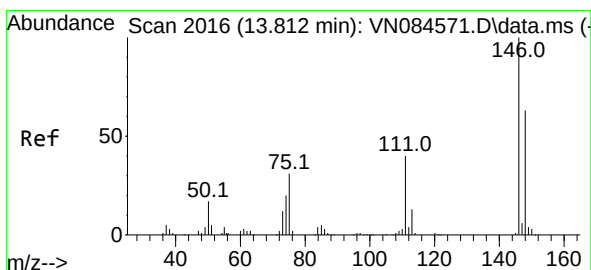
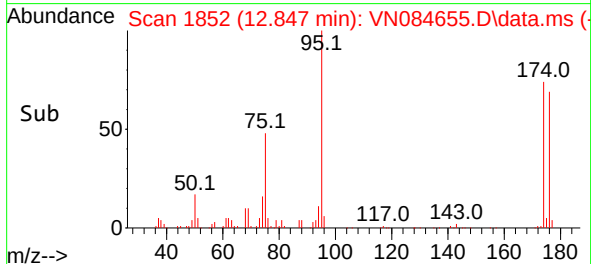
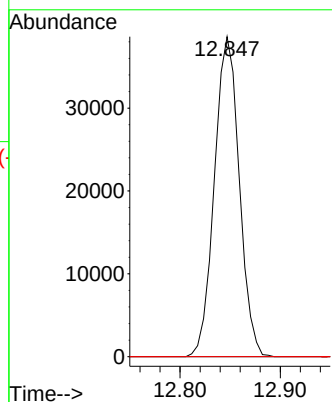
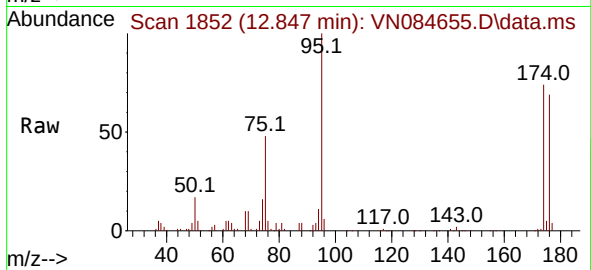




#81
trans-1,4-Dichloro-2-butene
Concen: 67.480 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 66516
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.800 min Scan# 2014
Delta R.T. -0.012 min
Lab File: VN084655.D
Acq: 04 Nov 2024 14:17

Tgt Ion:146 Resp: 90
Ion Ratio Lower Upper
146 100
111 1863.3 21.2 63.6#
148 465.6 31.9 95.9#

