

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110524\
 Data File : VN084698.D
 Acq On : 05 Nov 2024 19:24
 Operator : JC\MD
 Sample : P4711-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

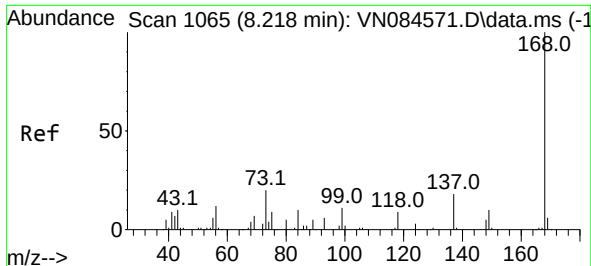
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:37:50 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	189669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	331908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134639	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129916	47.424	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.840%		
35) Dibromofluoromethane	8.165	113	106614	47.455	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.920%		
50) Toluene-d8	10.565	98	399111	48.226	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.460%		
62) 4-Bromofluorobenzene	12.847	95	147035	47.539	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	95.080%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	660	Below Cal	#	41
6) Chloroethane	3.059	64	165	Below Cal	#	45
11) Tert butyl alcohol	5.494	59	3539	9.787	ug/l #	73
16) Acetone	4.430	43	19993	22.671	ug/l	100
18) Methyl Acetate	5.030	43	9365	Below Cal	#	86
20) Methylene Chloride	5.277	84	2260	0.938	ug/l #	60
25) 2-Butanone	7.488	43	9844	7.702	ug/l #	85
29) Tetrahydrofuran	7.865	42	501	0.591	ug/l #	34
31) Cyclohexane	8.218	56	4206	1.112	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14631	4.696	ug/l #	51
37) Ethyl Acetate	7.565	43	1764	0.624	ug/l #	75
38) Carbon Tetrachloride	8.224	117	20077	5.765	ug/l #	17
43) Isopropyl Acetate	8.688	43	124192	23.264	ug/l #	79
48) Methyl methacrylate	9.665	41	2285	1.039	ug/l #	40
51) 4-Methyl-2-Pentanone	10.447	43	6636	2.462	ug/l #	74
54) cis-1,3-Dichloropropene	10.353	75	28291	7.396	ug/l #	63
56) Ethyl methacrylate	10.988	69	1178	0.369	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	1970	0.521	ug/l #	42
59) 2-Hexanone	11.170	43	106672	54.381	ug/l #	24
71) Bromoform	12.847	173	912	0.517	ug/l #	1
74) N-amyl acetate	12.459	43	1727	0.430	ug/l #	44
76) 1,2,3-Trichloropropane	12.847	75	75909	28.205	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75909	66.913	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	58	Below Cal	#	1

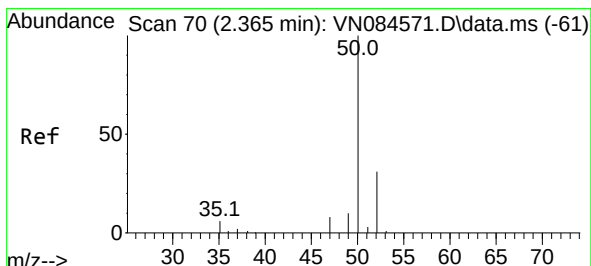
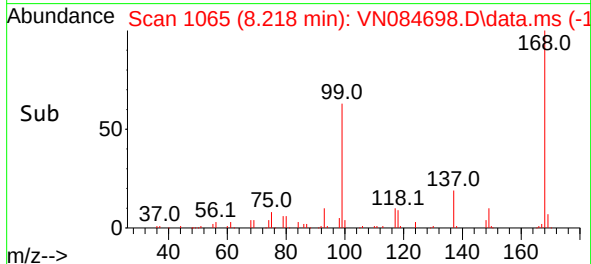
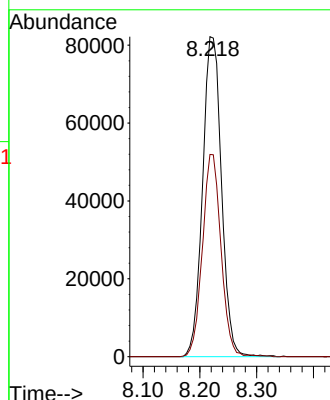
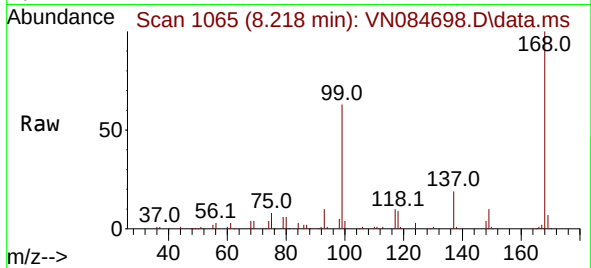
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

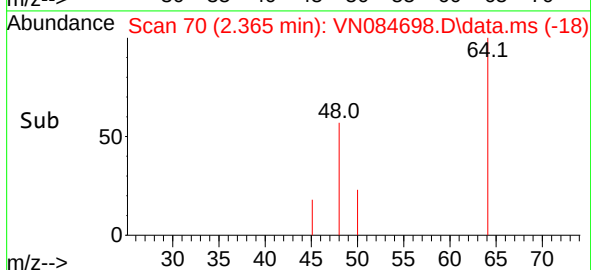
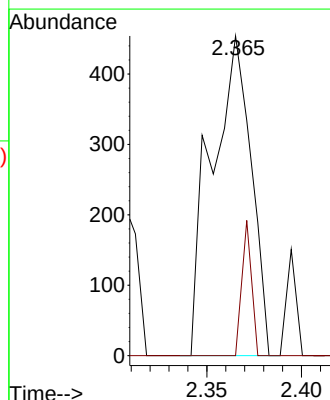
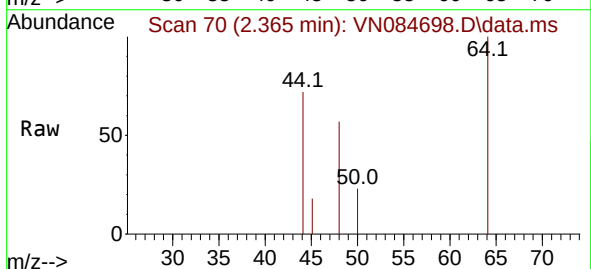
Instrument :
MSVOA_N
ClientSampleId :

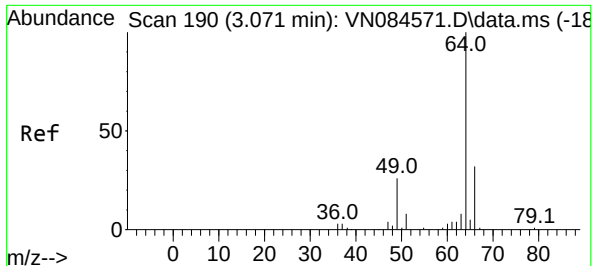
Tgt Ion:168 Resp: 189669
Ion Ratio Lower Upper
168 100
99 63.2 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

Tgt Ion: 50 Resp: 660
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

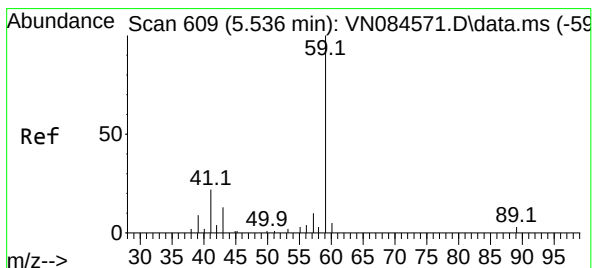
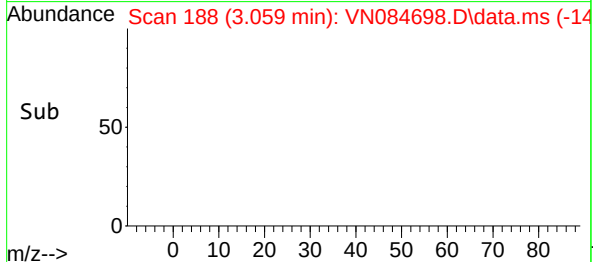
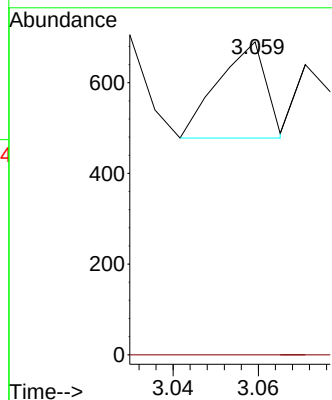
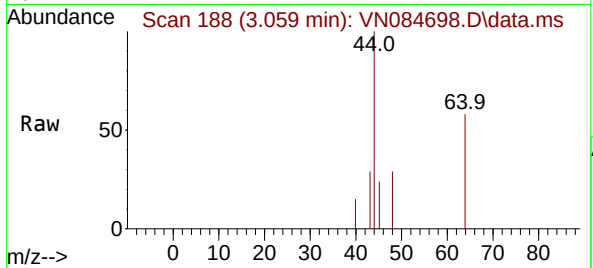




#6
Chloroethane
Concen: Below Cal
RT: 3.059 min Scan# 11
Delta R.T. -0.059 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

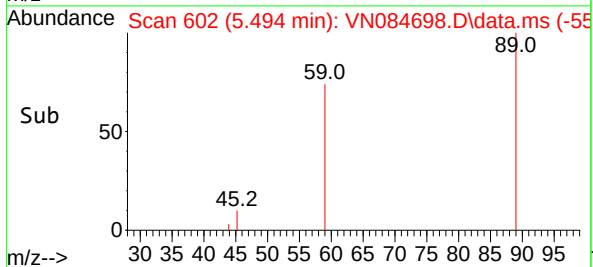
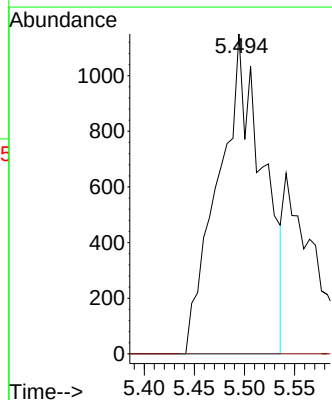
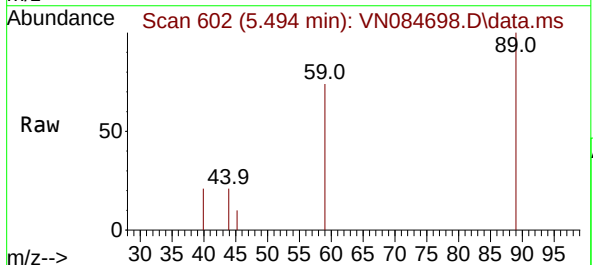
Instrument :
MSVOA_N
ClientSampleId :

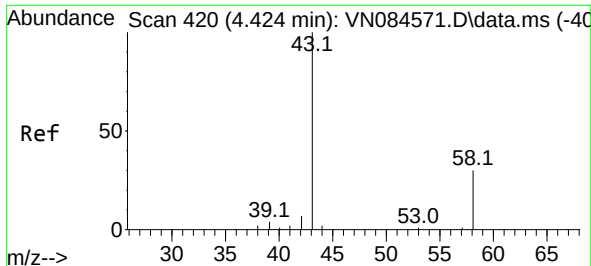
Tgt Ion: 64 Resp: 165
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 9.787 ug/l
RT: 5.494 min Scan# 602
Delta R.T. -0.030 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

Tgt Ion: 59 Resp: 3539
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

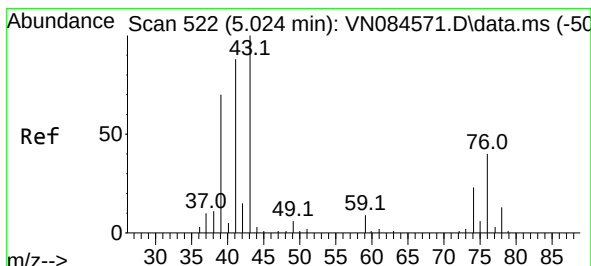
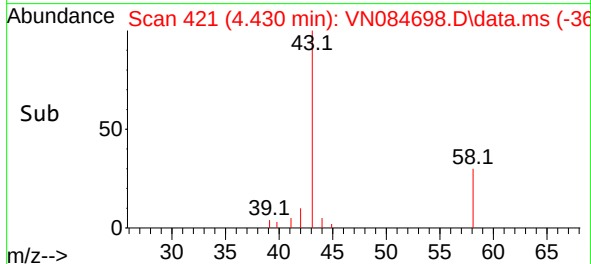
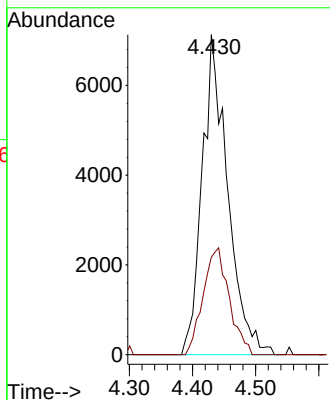
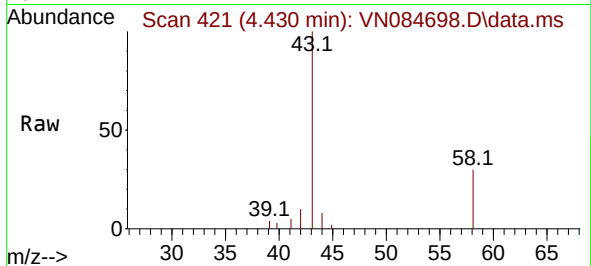




#16
Acetone
Concen: 22.671 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

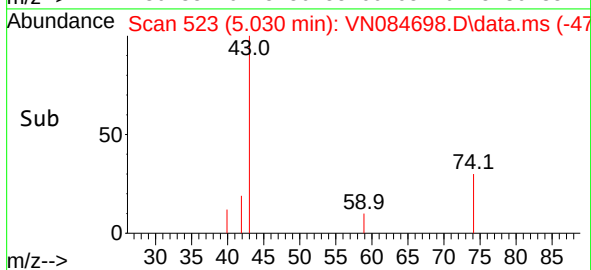
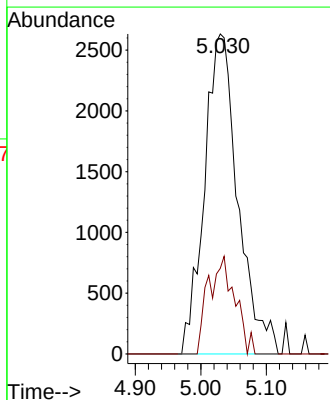
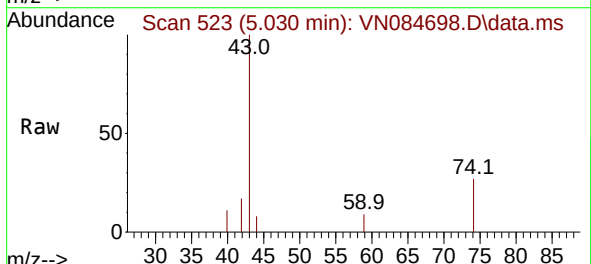
Instrument :
MSVOA_N
ClientSampleId :

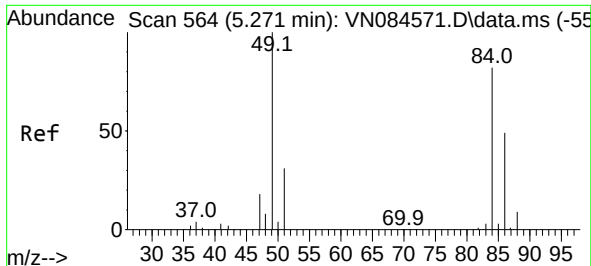
Tgt Ion: 43 Resp: 19993
Ion Ratio Lower Upper
43 100
58 30.4 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

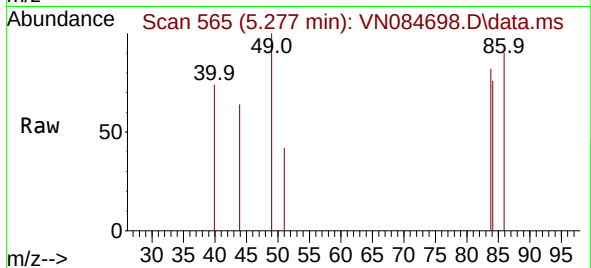
Tgt Ion: 43 Resp: 9365
Ion Ratio Lower Upper
43 100
74 16.9 19.2 28.8#





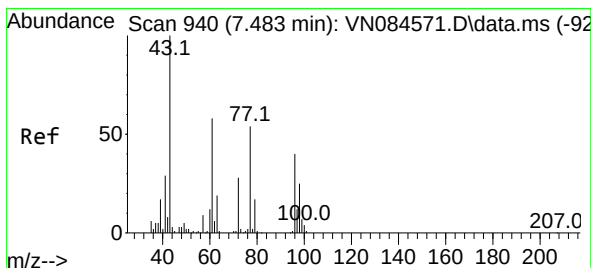
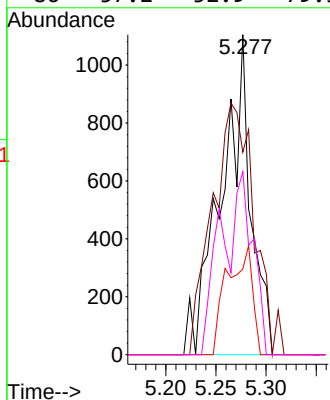
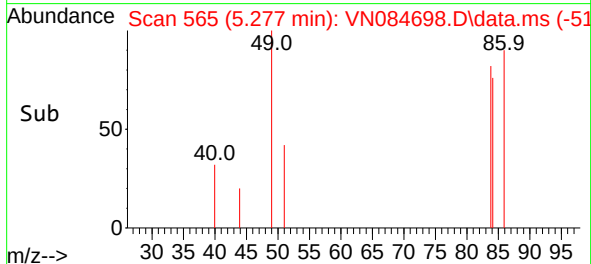
#20
Methylene Chloride
Concen: 0.938 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2260

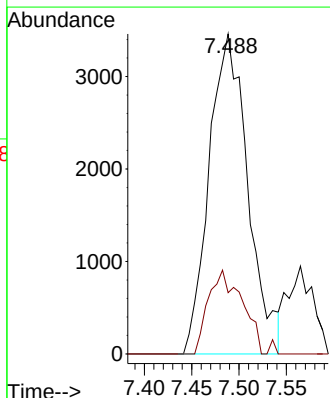
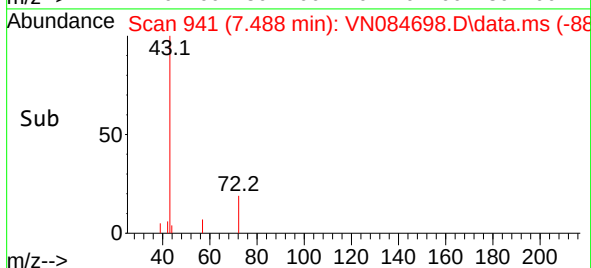
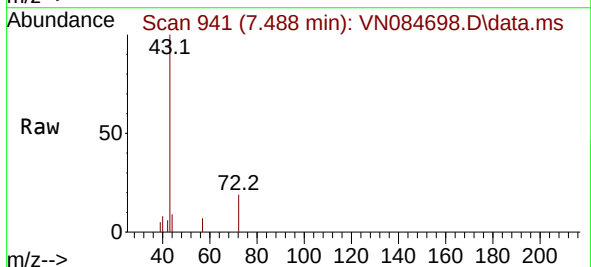
Ion	Ratio	Lower	Upper
84	100		
49	63.3	107.2	160.8#
51	26.8	31.8	47.8#
86	57.2	52.9	79.3

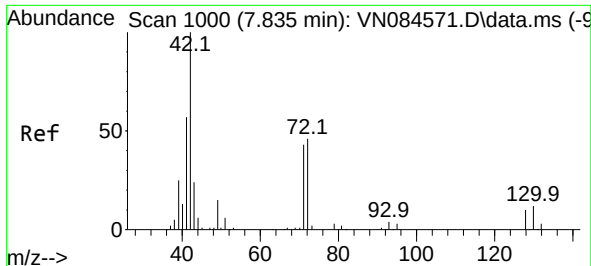


#25
2-Butanone
Concen: 7.702 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

Tgt Ion: 43 Resp: 9844

Ion	Ratio	Lower	Upper
43	100		
72	19.2	21.4	32.2#





#29

Tetrahydrofuran

Concen: 0.591 ug/l

RT: 7.865 min Scan# 1

Delta R.T. 0.029 min

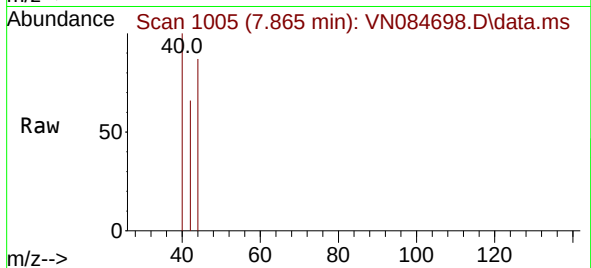
Lab File: VN084698.D

Acq: 05 Nov 2024 19:24

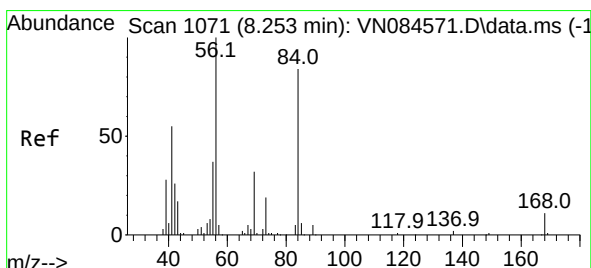
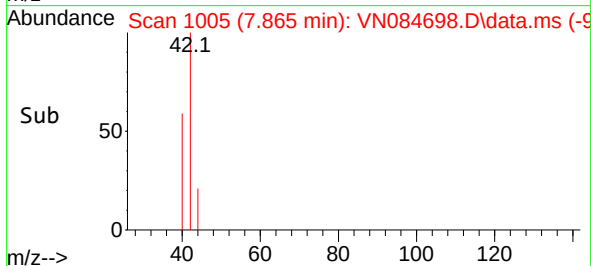
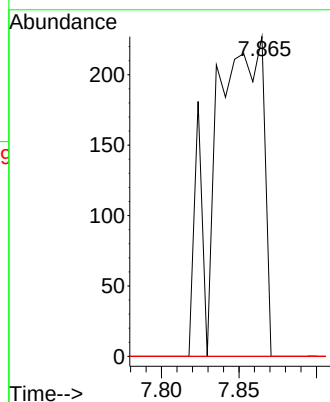
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	501
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.112 ug/l

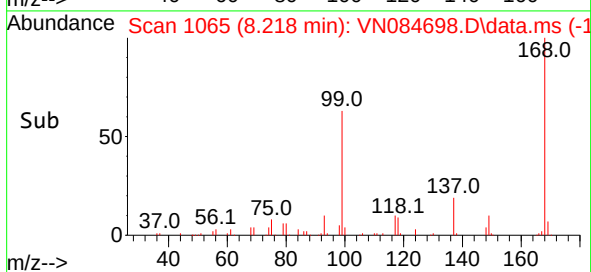
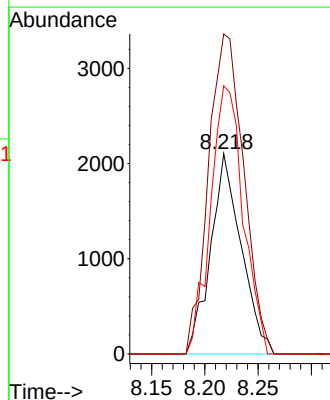
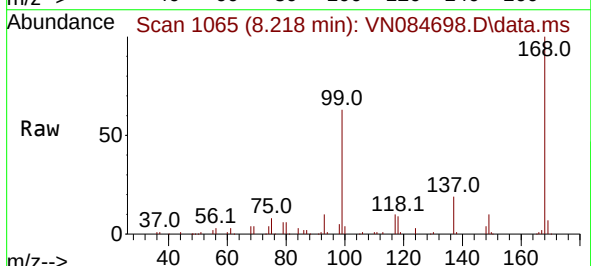
RT: 8.218 min Scan# 1065

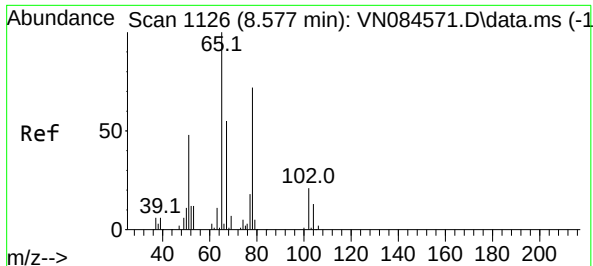
Delta R.T. -0.035 min

Lab File: VN084698.D

Acq: 05 Nov 2024 19:24

Tgt Ion:	56	Resp:	4206
Ion	Ratio	Lower	Upper
56	100		
69	159.8	23.8	35.6#
84	133.9	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 47.424 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084698.D

Acq: 05 Nov 2024 19:24

Instrument :

MSVOA_N

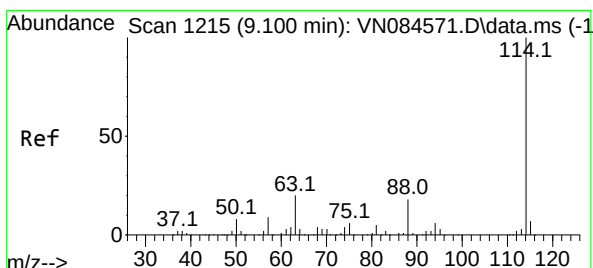
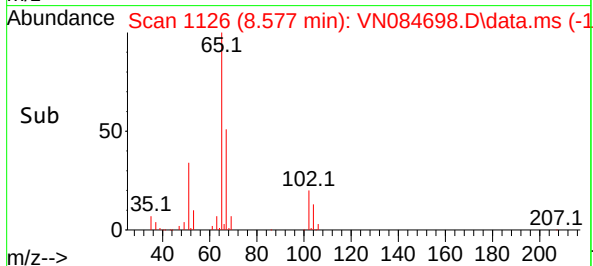
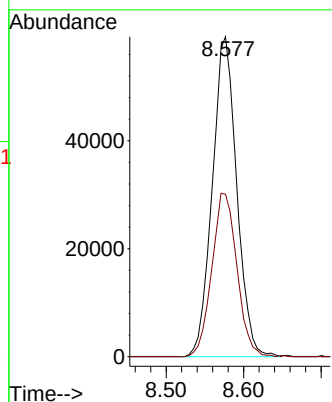
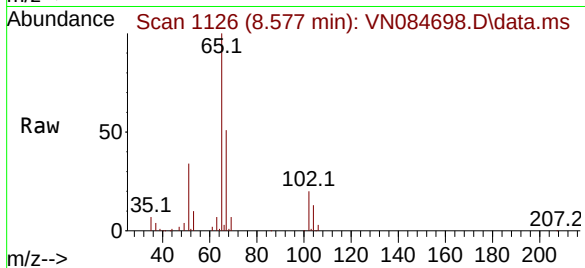
ClientSampleId :

Tgt Ion: 65 Resp: 129916

Ion Ratio Lower Upper

65 100

67 52.5 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: VN084698.D

Acq: 05 Nov 2024 19:24

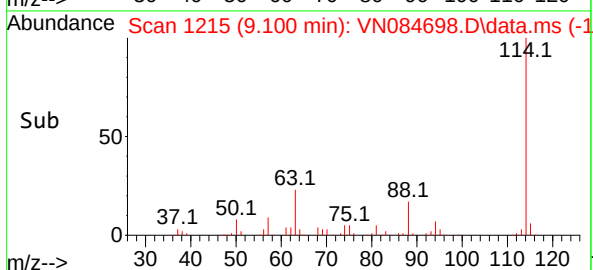
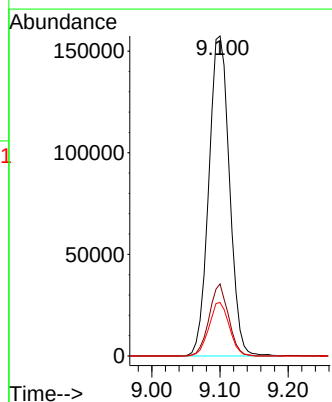
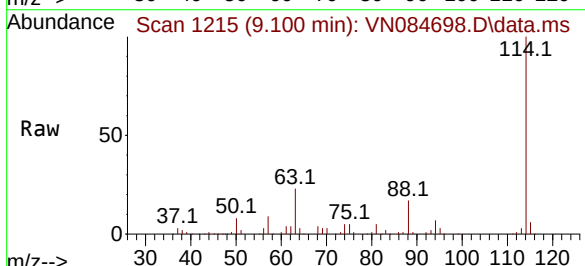
Tgt Ion: 114 Resp: 331908

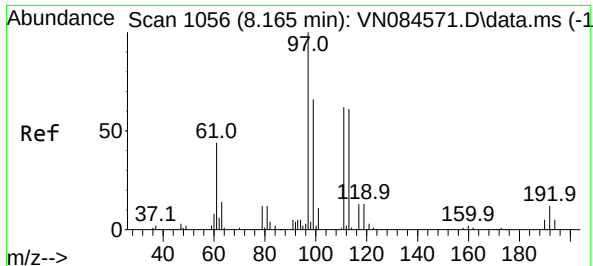
Ion Ratio Lower Upper

114 100

63 22.5 0.0 43.8

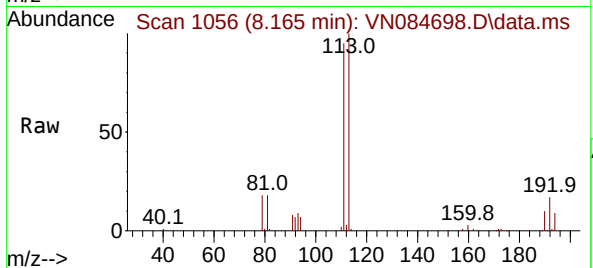
88 16.7 0.0 31.6



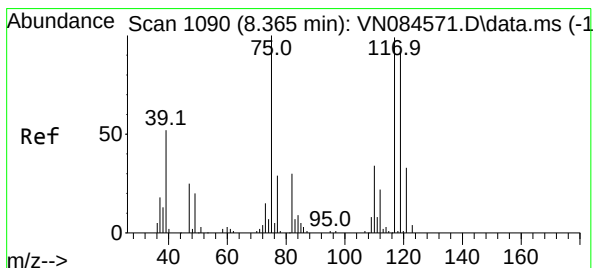
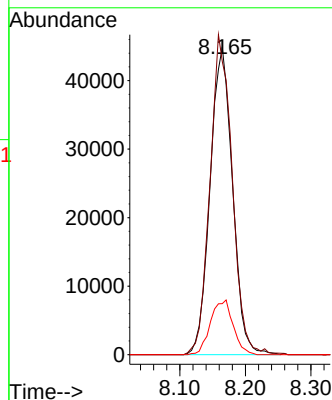
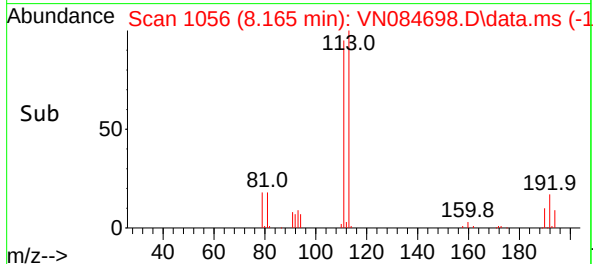


#35
Dibromofluoromethane
Concen: 47.455 ug/l
RT: 8.165 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

Instrument :
MSVOA_N
ClientSampleId :

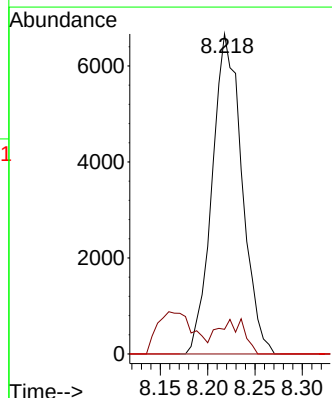
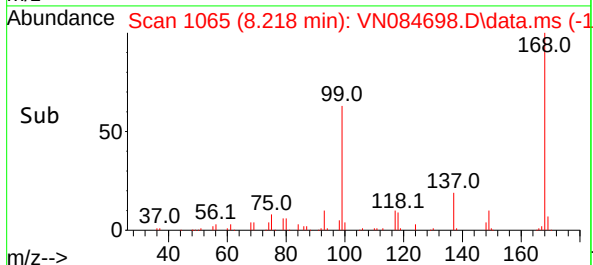
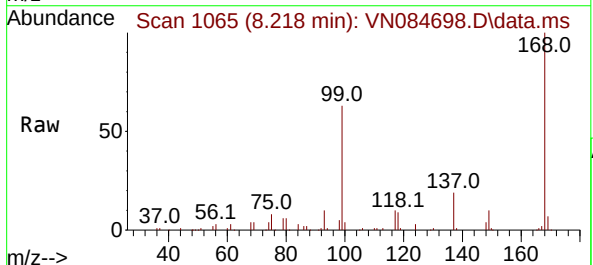


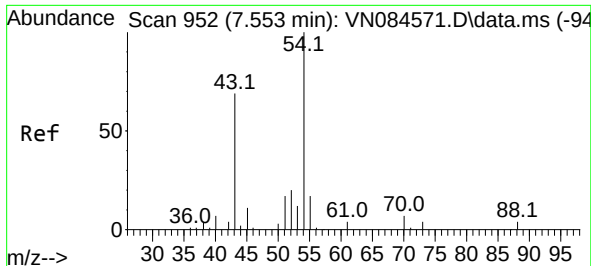
Tgt Ion:113 Resp: 106614
Ion Ratio Lower Upper
113 100
111 102.9 83.3 124.9
192 17.9 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.696 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

Tgt Ion: 75 Resp: 14631
Ion Ratio Lower Upper
75 100
110 9.6 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.624 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

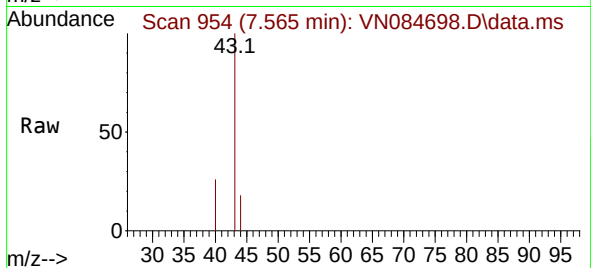
Lab File: VN084698.D

Acq: 05 Nov 2024 19:24

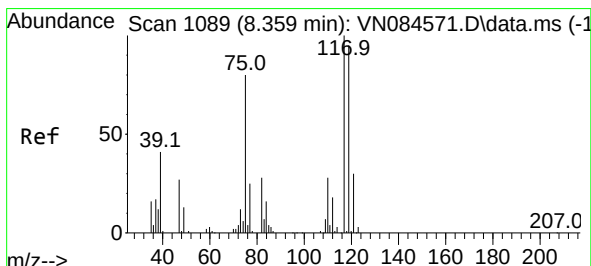
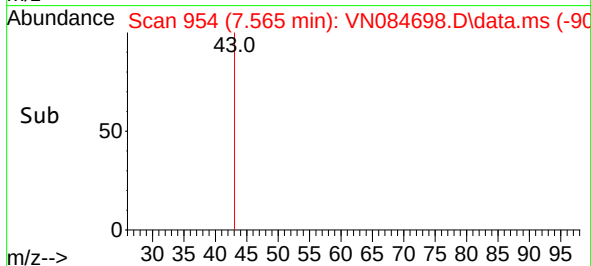
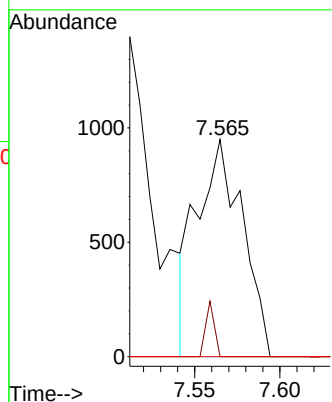
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	1764
Ion	Ratio	Lower	Upper
43	100		
61	4.9	10.7	16.1#
70	0.0	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.765 ug/l

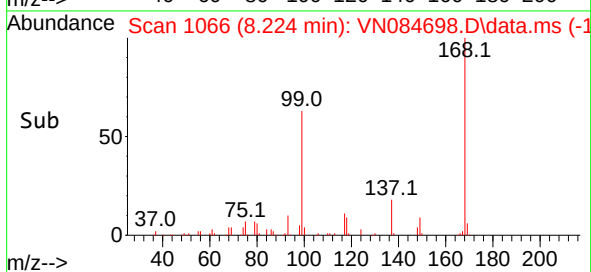
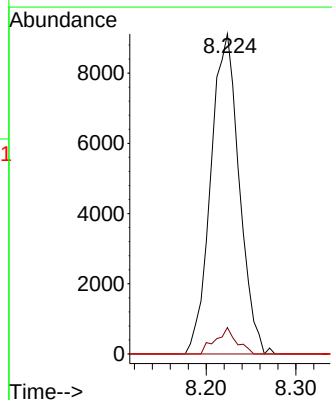
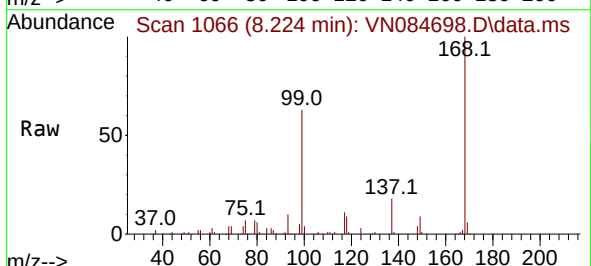
RT: 8.224 min Scan# 1066

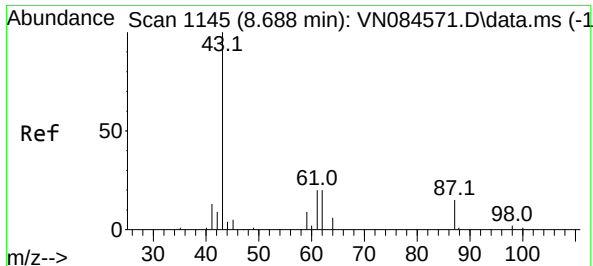
Delta R.T. -0.135 min

Lab File: VN084698.D

Acq: 05 Nov 2024 19:24

Tgt Ion:	117	Resp:	20077
Ion	Ratio	Lower	Upper
117	100		
119	8.3	78.7	118.1#
121	0.0	24.4	36.6#





#43

Isopropyl Acetate

Concen: 23.264 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084698.D

Acq: 05 Nov 2024 19:24

Instrument :

MSVOA_N

ClientSampleId :

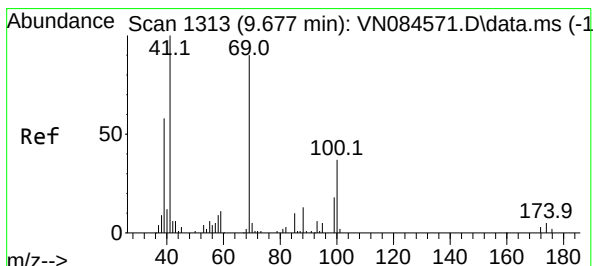
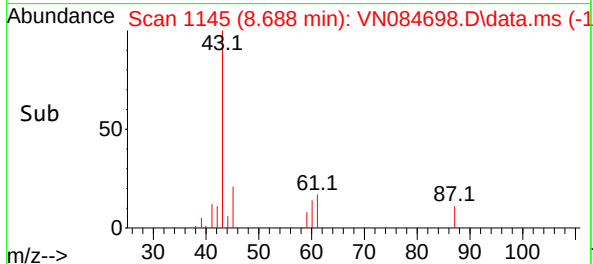
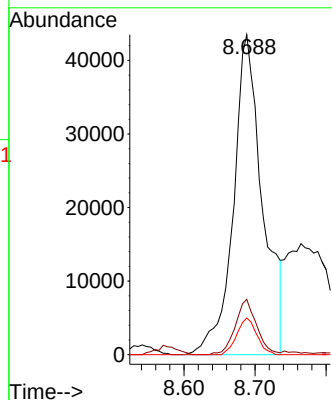
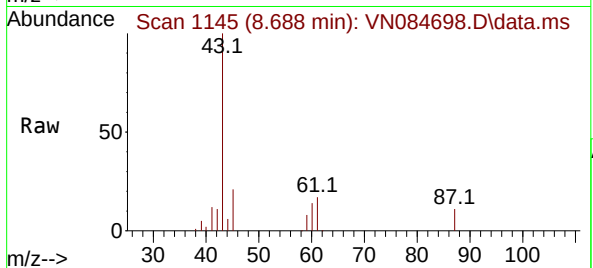
Tgt Ion: 43 Resp: 124192

Ion Ratio Lower Upper

43 100

61 12.7 20.4 30.6#

87 7.8 10.3 15.5#



#48

Methyl methacrylate

Concen: 1.039 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084698.D

Acq: 05 Nov 2024 19:24

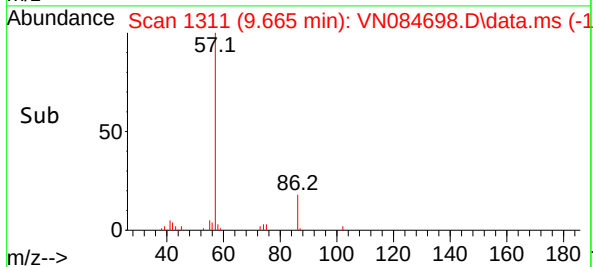
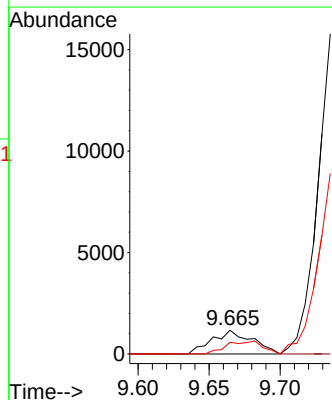
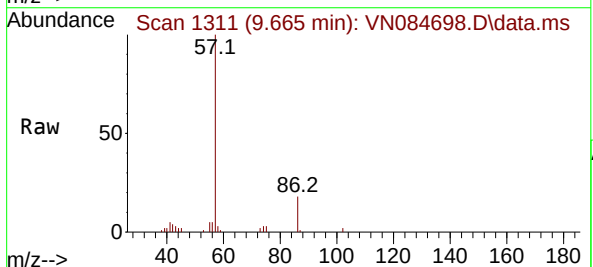
Tgt Ion: 41 Resp: 2285

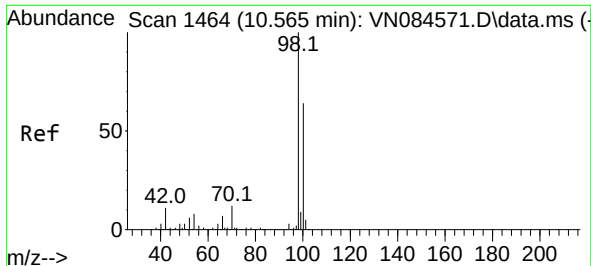
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 48.8 45.8 68.6

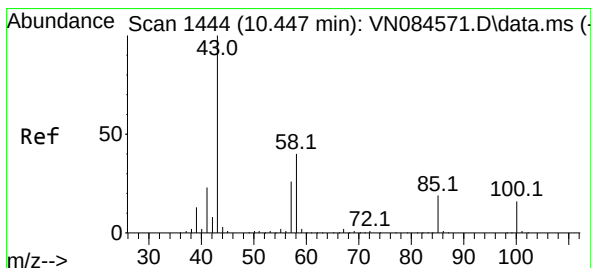
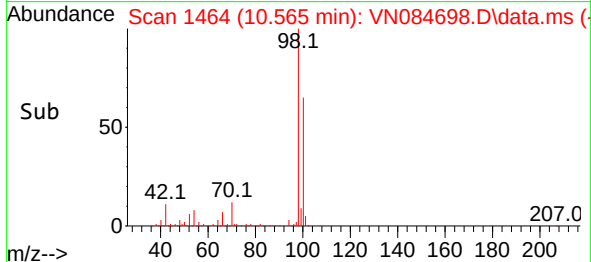
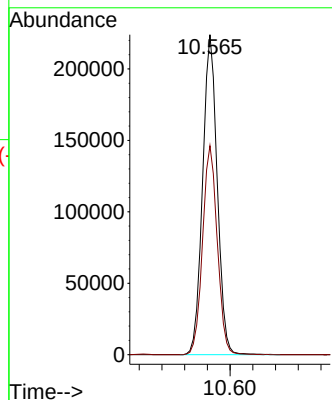
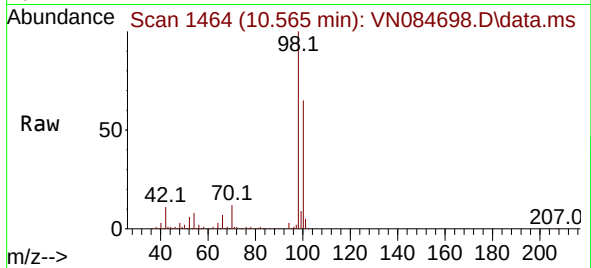




#50
Toluene-d8
Concen: 48.226 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

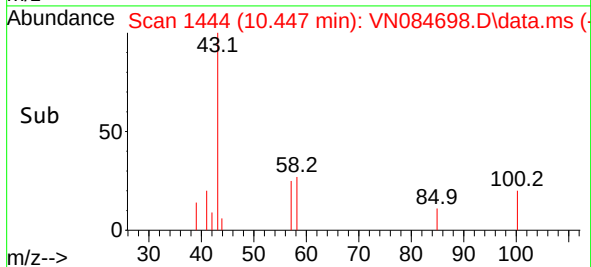
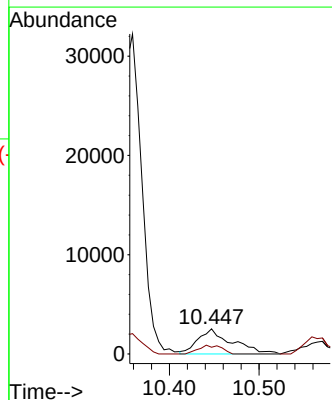
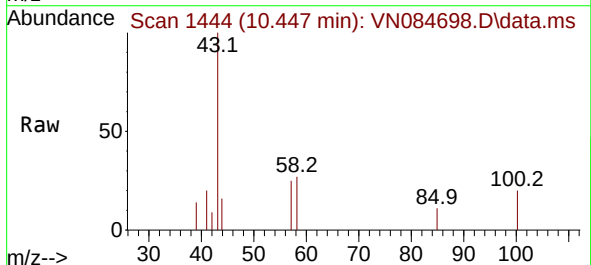
Instrument :
MSVOA_N
ClientSampleId :

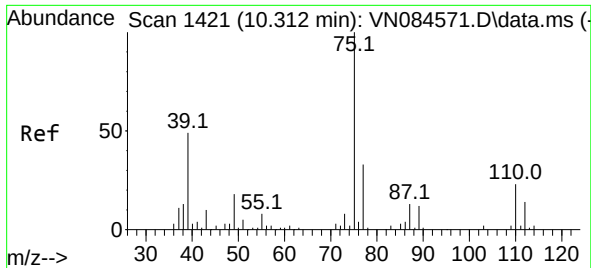
Tgt Ion: 98 Resp: 399111
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 2.462 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

Tgt Ion: 43 Resp: 6636
Ion Ratio Lower Upper
43 100
58 23.7 31.6 47.4#

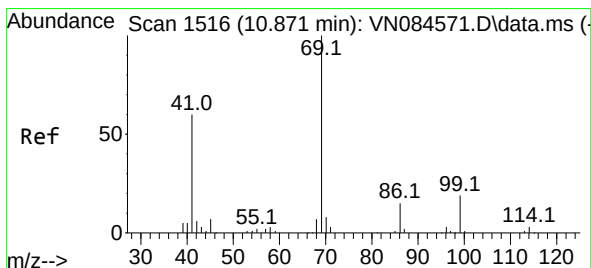
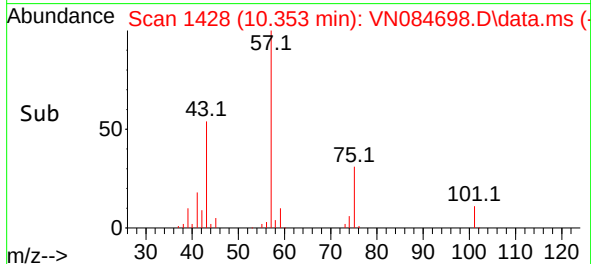
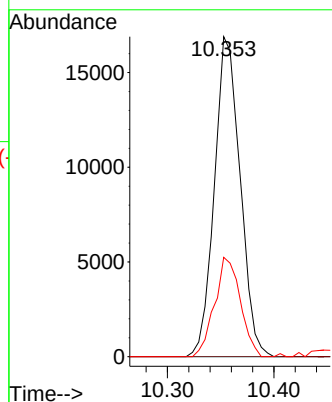
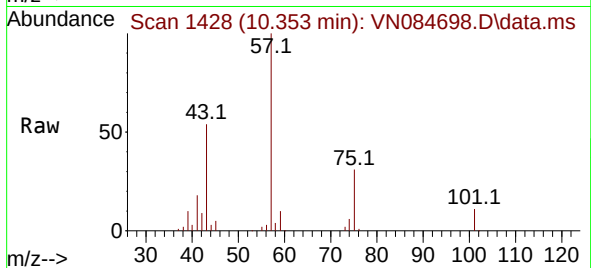




#54
 cis-1,3-Dichloropropene
 Concen: 7.396 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN084698.D
 Acq: 05 Nov 2024 19:24

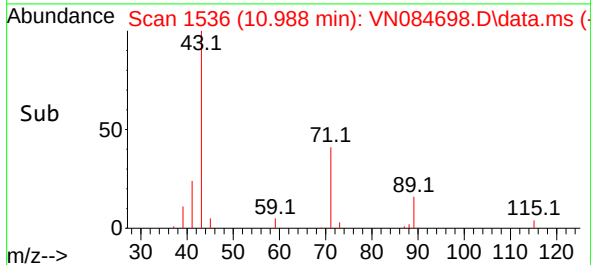
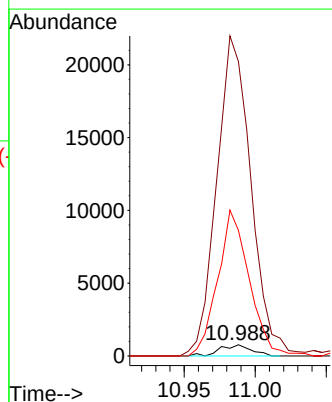
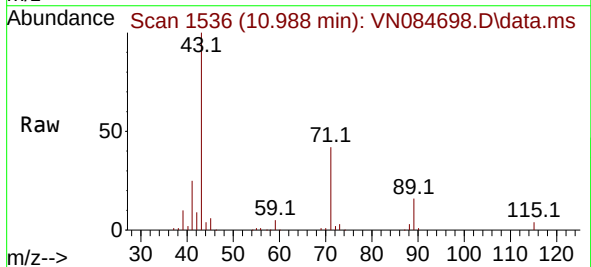
Instrument :
 MSVOA_N
 ClientSampleId :

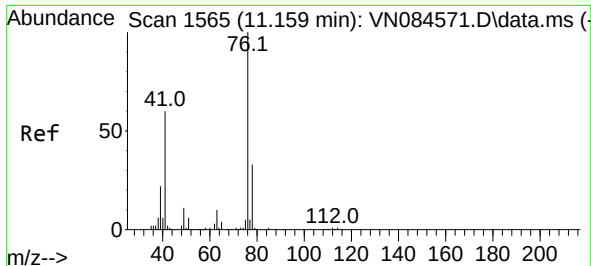
Tgt Ion: 75 Resp: 28291
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 31.0 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.369 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.118 min
 Lab File: VN084698.D
 Acq: 05 Nov 2024 19:24

Tgt Ion: 69 Resp: 1178
 Ion Ratio Lower Upper
 69 100
 41 3131.3 53.3 79.9#
 39 1314.8 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 0.521 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.047 min

Lab File: VN084698.D

Acq: 05 Nov 2024 19:24

Instrument :

MSVOA_N

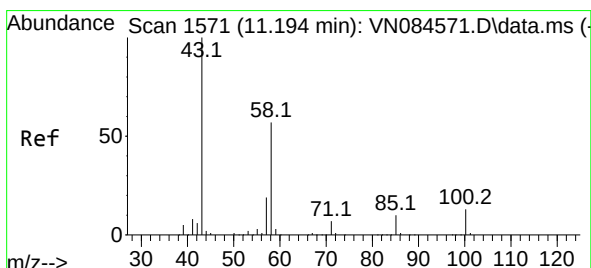
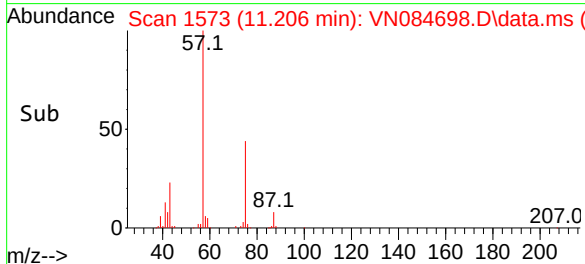
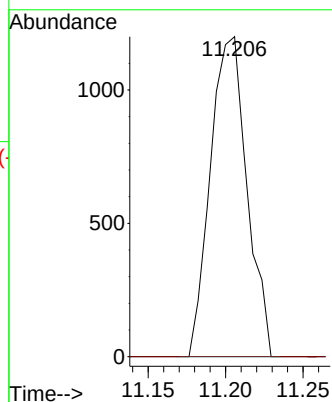
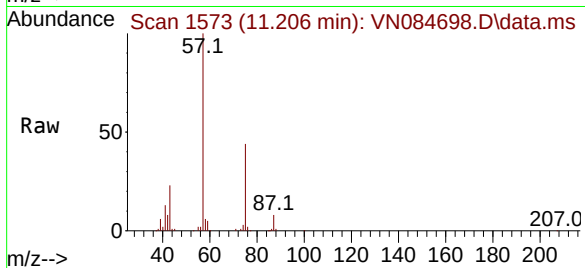
ClientSampleId :

Tgt Ion: 76 Resp: 1970

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 54.381 ug/l

RT: 11.170 min Scan# 1567

Delta R.T. -0.024 min

Lab File: VN084698.D

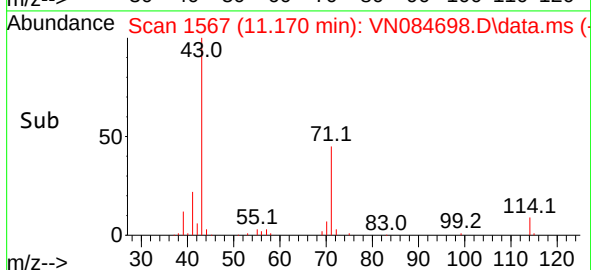
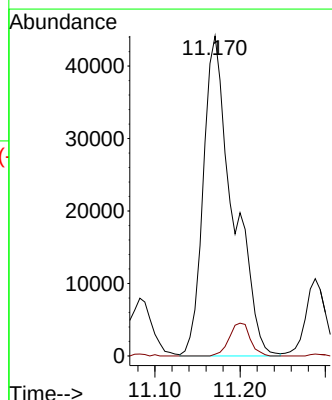
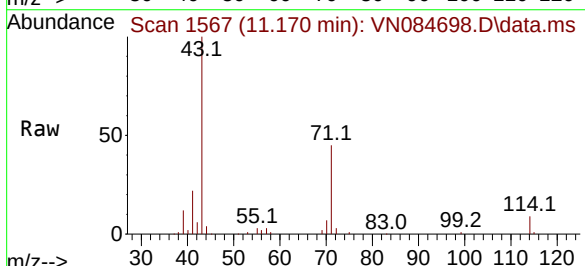
Acq: 05 Nov 2024 19:24

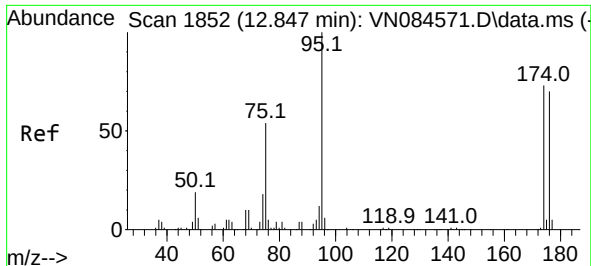
Tgt Ion: 43 Resp: 106672

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

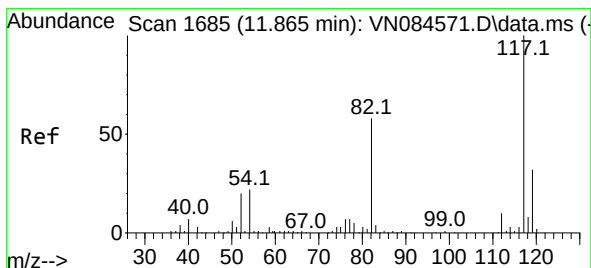
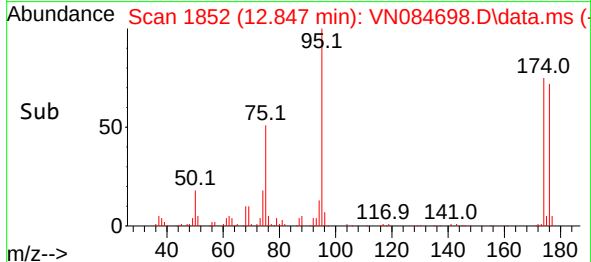
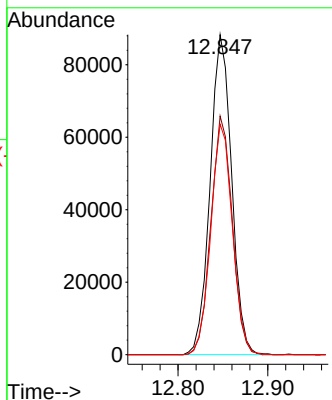
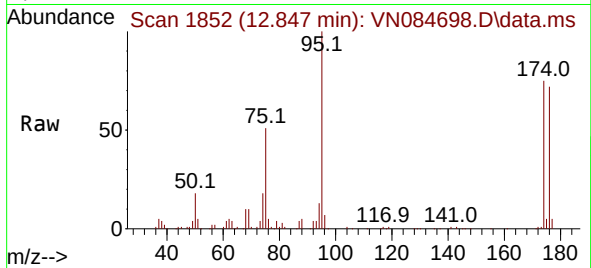




#62
4-Bromofluorobenzene
Concen: 47.539 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

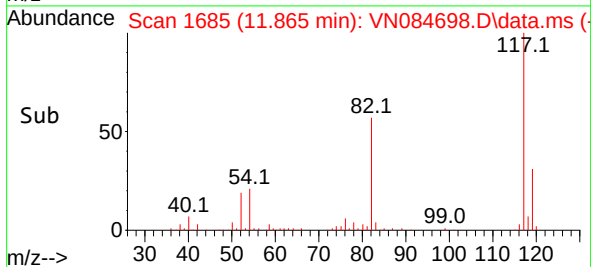
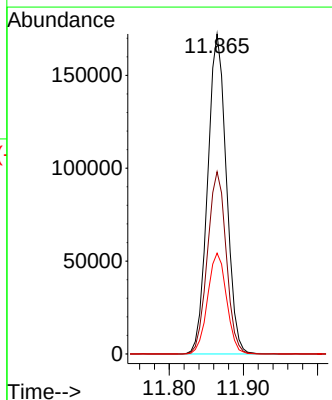
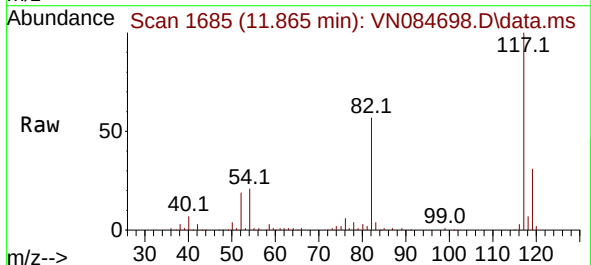
Instrument :
MSVOA_N
ClientSampleId :

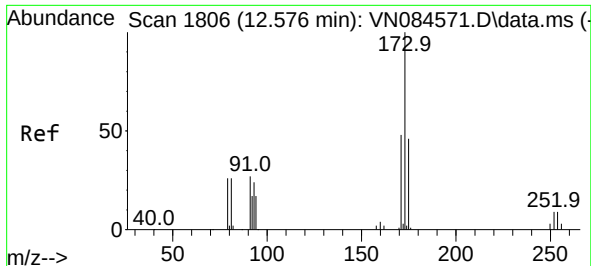
Tgt Ion: 95 Resp: 147035
Ion Ratio Lower Upper
95 100
174 74.0 0.0 145.2
176 72.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

Tgt Ion: 117 Resp: 301431
Ion Ratio Lower Upper
117 100
82 57.0 47.2 70.8
119 31.5 25.4 38.0

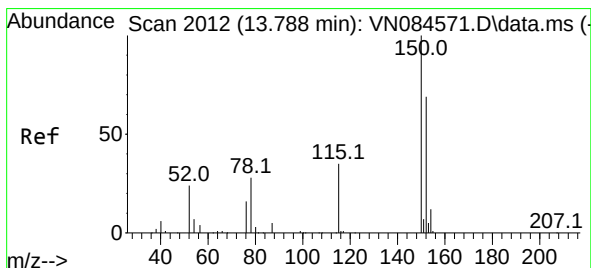
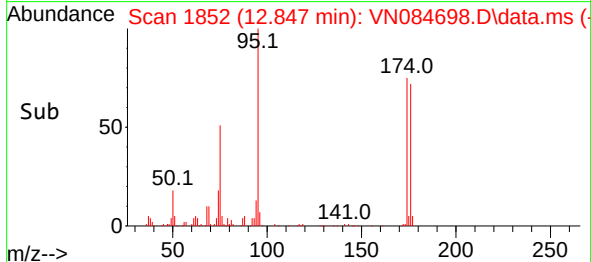
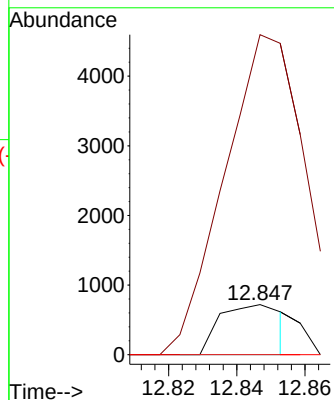
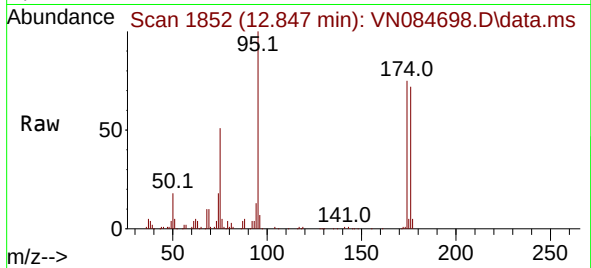




#71
Bromoform
Concen: 0.517 ug/l
RT: 12.847 min Scan# 1806
Delta R.T. 0.270 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

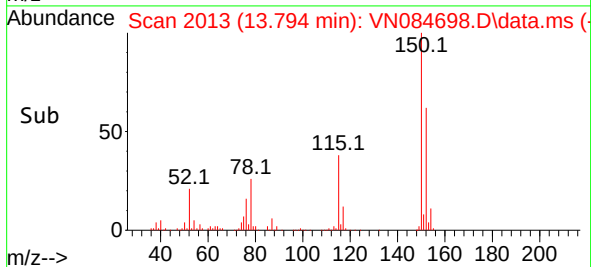
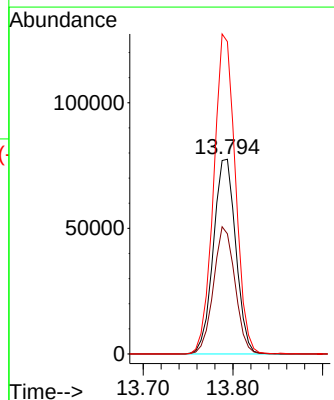
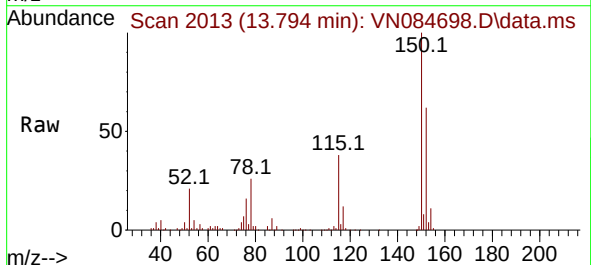
Instrument :
MSVOA_N
ClientSampleId :

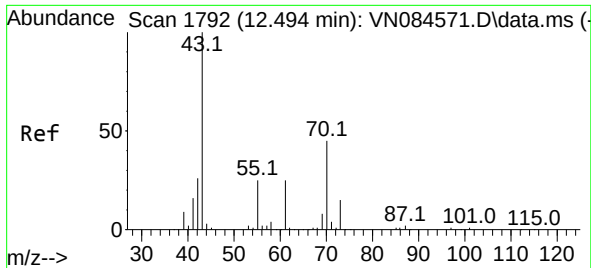
Tgt Ion:173 Resp: 912
Ion Ratio Lower Upper
173 100
175 631.5 23.5 70.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

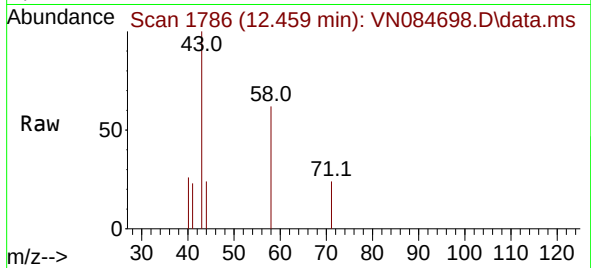
Tgt Ion:152 Resp: 134639
Ion Ratio Lower Upper
152 100
115 62.7 31.3 93.9
150 158.7 0.0 349.8



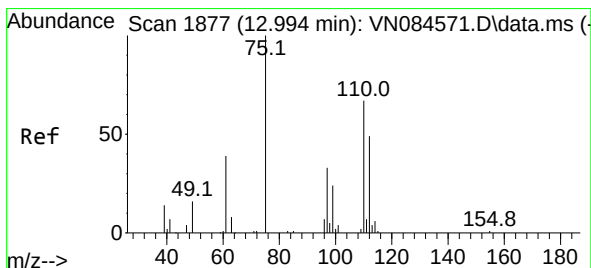
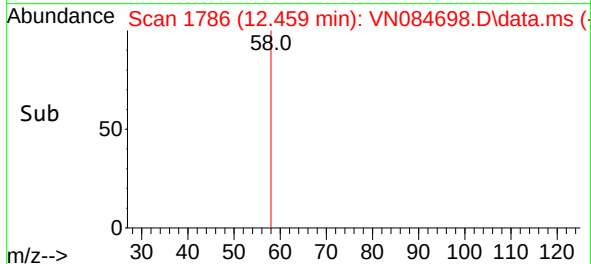
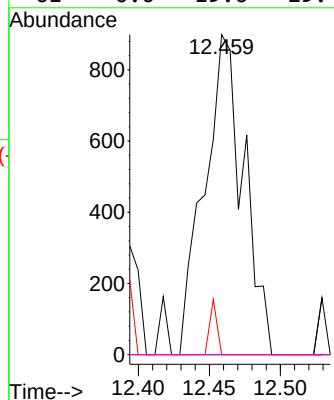


#74
N-amy1 acetate
Concen: 0.430 ug/l
RT: 12.459 min Scan# 1727
Delta R.T. -0.035 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

Instrument :
MSVOA_N
ClientSampleId :

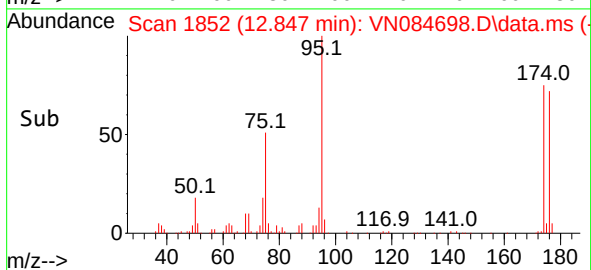
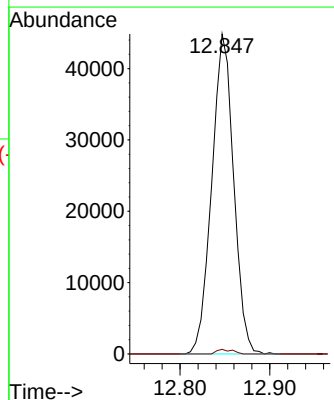
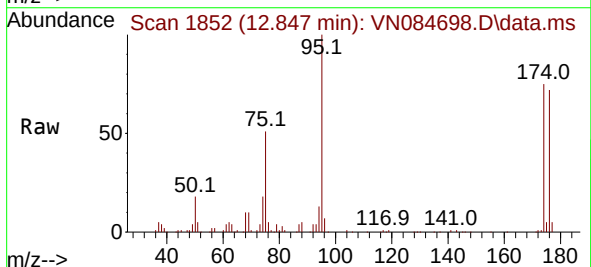


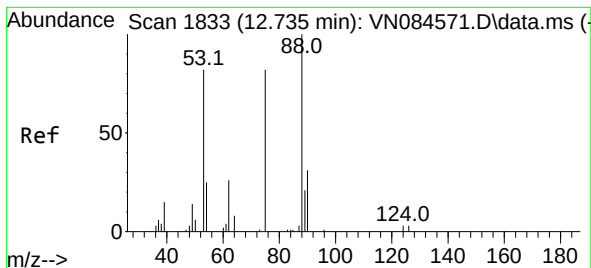
Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	34.4	51.6#
55	3.2	19.6	29.4#
61	0.0	19.6	29.4#



#76
1,2,3-Trichloropropane
Concen: 28.205 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084698.D
Acq: 05 Nov 2024 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	96.9	290.7#

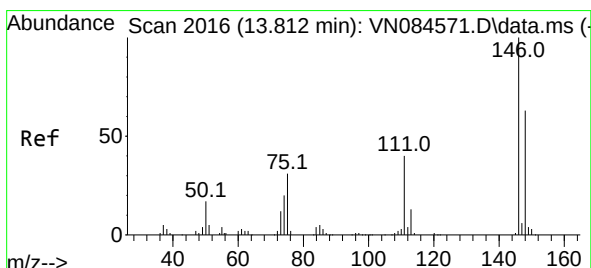
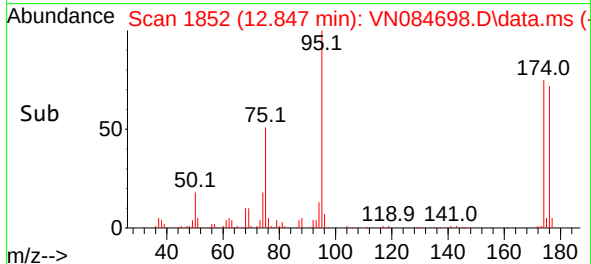
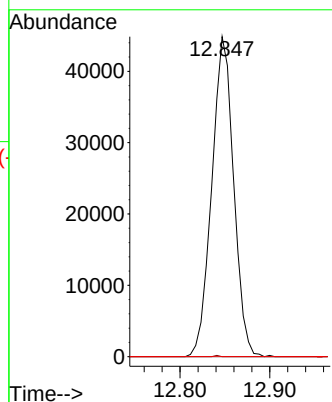
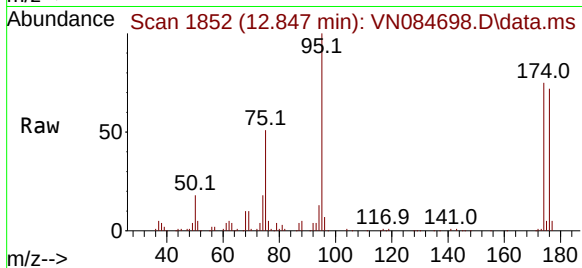




#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.913 ug/l
 RT: 12.847 min Scan# 1833
 Delta R.T. 0.112 min
 Lab File: VN084698.D
 Acq: 05 Nov 2024 19:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 75909
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 35.5 53.3#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.806 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: VN084698.D
 Acq: 05 Nov 2024 19:24

Tgt Ion:146 Resp: 58
 Ion Ratio Lower Upper
 146 100
 111 3519.0 21.2 63.6#
 148 491.4 31.9 95.9#

