

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084806.D
 Acq On : 12 Nov 2024 19:14
 Operator : JC\MD
 Sample : P4807-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 13 02:36:11 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)

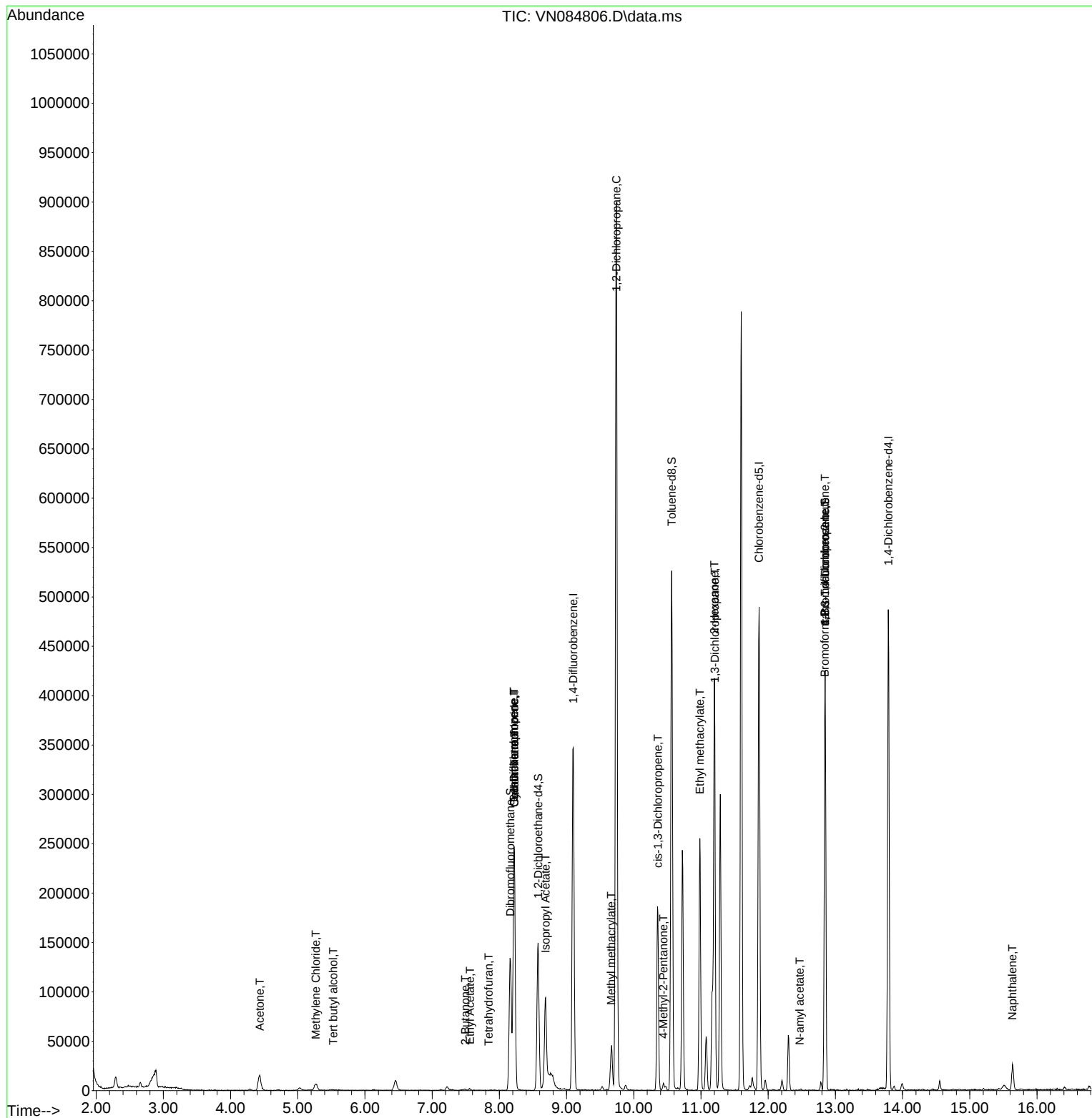
Internal Standards						
1) Pentafluorobenzene	8.218	168	181328	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	308155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122508	46.777	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.560%		
35) Dibromofluoromethane	8.165	113	98228	47.093	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.180%		
50) Toluene-d8	10.565	98	366267	47.669	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.340%		
62) 4-Bromofluorobenzene	12.847	95	150083	52.265	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	104.520%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	459	Below Cal	#	41
6) Chloroethane	3.130	64	269	Below Cal	#	45
11) Tert butyl alcohol	5.530	59	616	1.782	ug/l #	73
16) Acetone	4.436	43	29912	37.110	ug/l	98
18) Methyl Acetate	5.036	43	5126	Below Cal		99
20) Methylene Chloride	5.271	84	5602	2.432	ug/l #	85
25) 2-Butanone	7.494	43	2094	1.714	ug/l	100
29) Tetrahydrofuran	7.841	42	225	0.278	ug/l #	34
31) Cyclohexane	8.224	56	3637	1.006	ug/l #	4
36) 1,1-Dichloropropene	8.218	75	14519	5.019	ug/l #	52
37) Ethyl Acetate	7.565	43	2398	0.914	ug/l #	80
38) Carbon Tetrachloride	8.224	117	18944	5.859	ug/l #	14
43) Isopropyl Acetate	8.688	43	121837	24.638	ug/l #	87
45) 1,2-Dichloropropane	9.741	63	1251	0.574	ug/l #	44
48) Methyl methacrylate	9.665	41	2861	1.401	ug/l #	45
51) 4-Methyl-2-Pentanone	10.441	43	4252	1.699	ug/l	98
54) cis-1,3-Dichloropropene	10.359	75	34922	9.834	ug/l #	57
56) Ethyl methacrylate	10.982	69	845	0.285	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	4171	1.187	ug/l #	42
59) 2-Hexanone	11.200	43	48742	26.764	ug/l #	57
71) Bromoform	12.841	173	751	0.451	ug/l #	1
74) N-amyl acetate	12.470	43	1098	0.280	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	78239	29.769	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	78239	70.625	ug/l #	11
88) 1,4-Dichlorobenzene	13.823	146	53	Below Cal	#	24
95) Naphthalene	15.635	128	25474	3.347	ug/l	100

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

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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

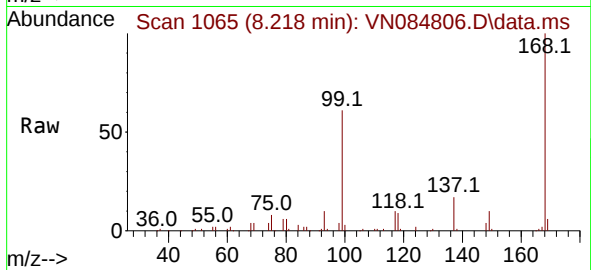
Quant Time: Nov 13 02:36:11 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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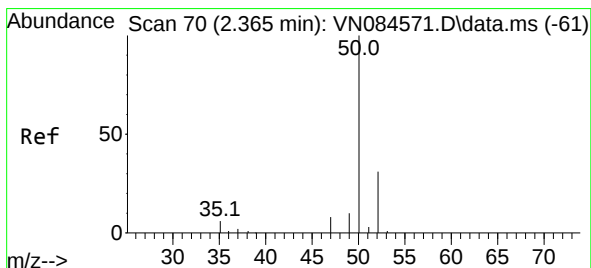
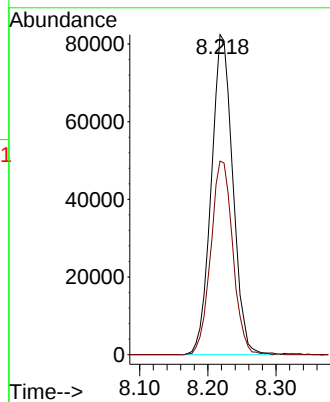
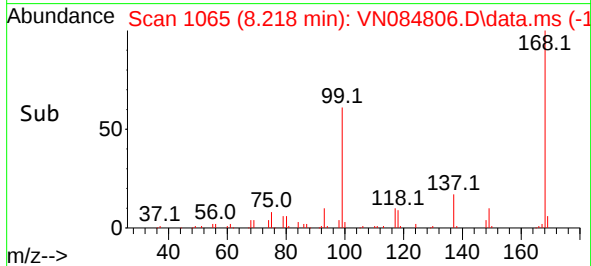


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Instrument :
MSVOA_N
ClientSampleId :

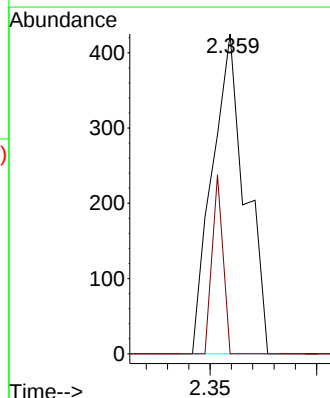
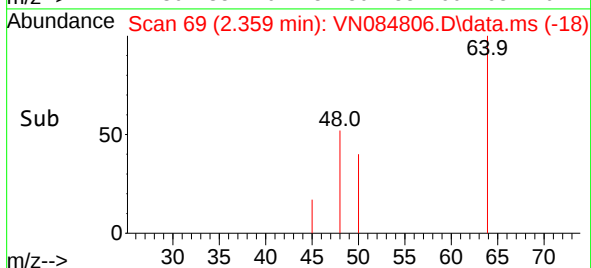
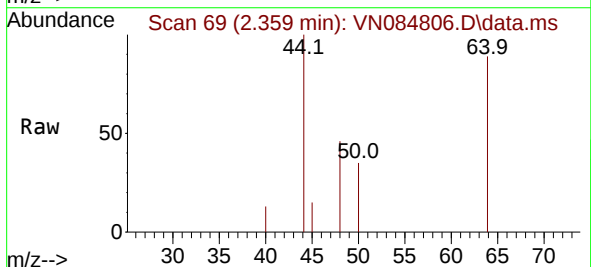


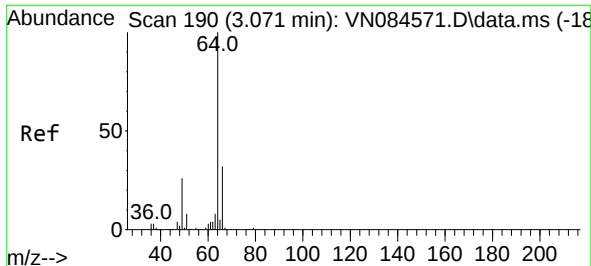
Tgt Ion:168 Resp: 181328
Ion Ratio Lower Upper
168 100
99 60.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Tgt Ion: 50 Resp: 459
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

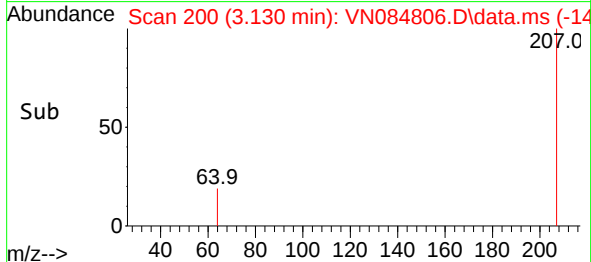
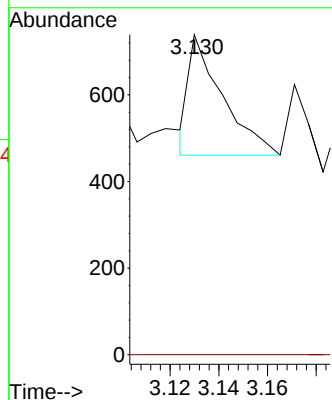
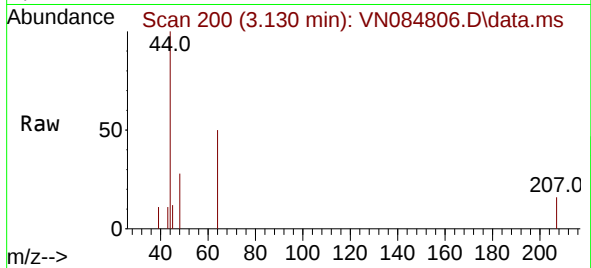




#6
Chloroethane
Concen: Below Cal
RT: 3.130 min Scan# 20
Delta R.T. 0.012 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

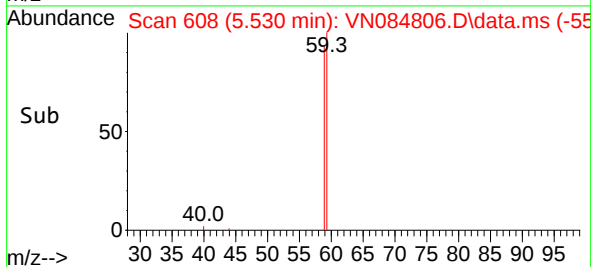
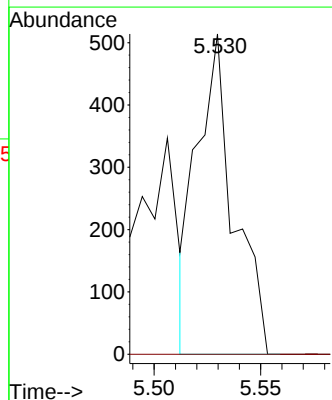
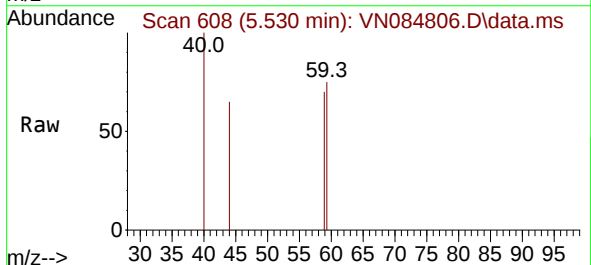
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 64 Resp: 269
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 1.782 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.006 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Tgt Ion: 59 Resp: 616
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

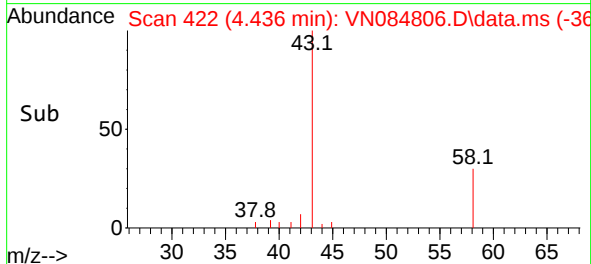
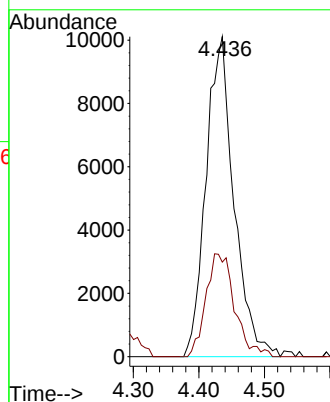
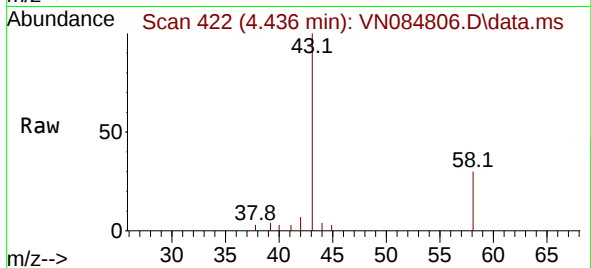




#16
Acetone
Concen: 37.110 ug/l
RT: 4.436 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

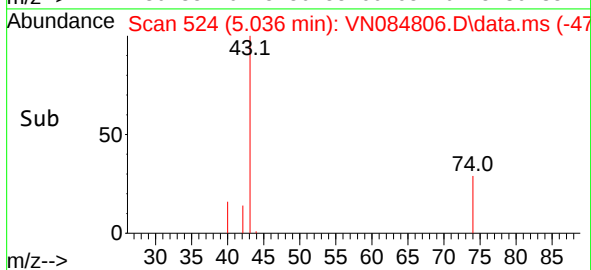
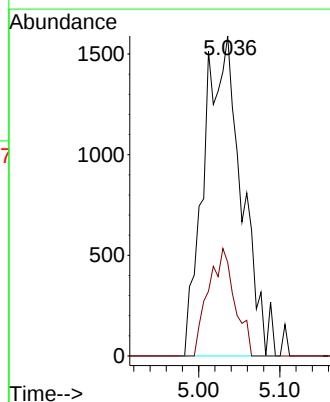
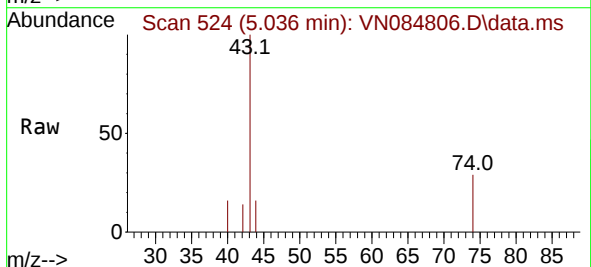
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 29912
Ion Ratio Lower Upper
43 100
58 29.5 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

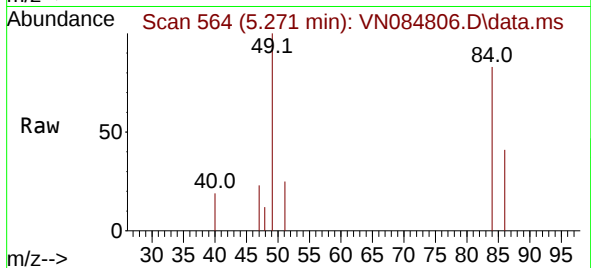
Tgt Ion: 43 Resp: 5126
Ion Ratio Lower Upper
43 100
74 23.6 19.2 28.8



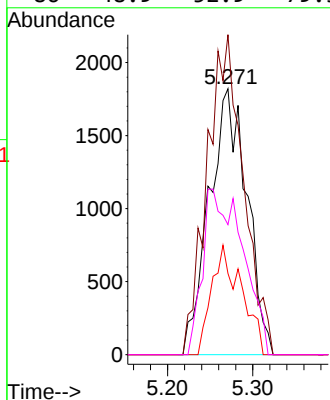
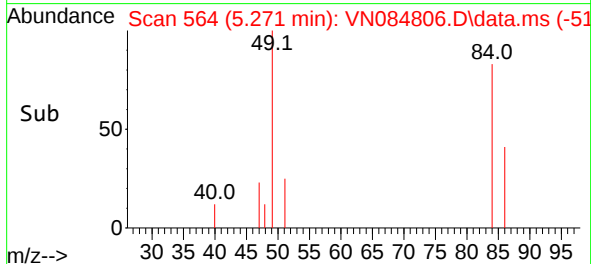


#20
Methylene Chloride
Concen: 2.432 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Instrument :
MSVOA_N
ClientSampleId :

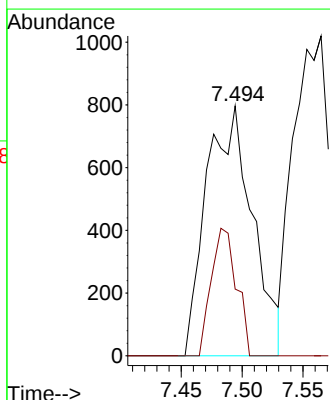
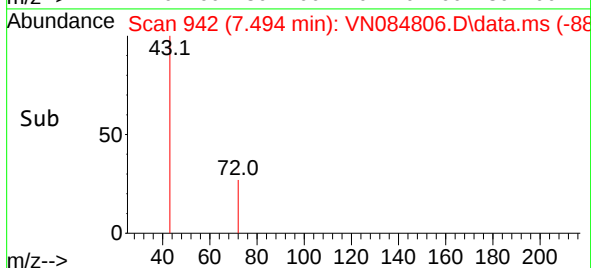
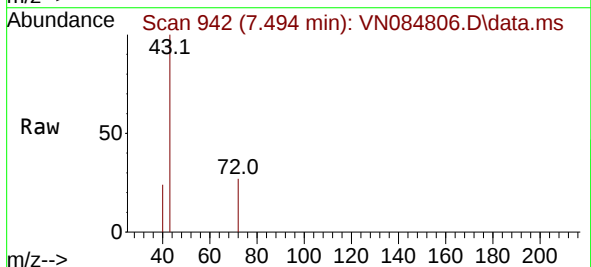


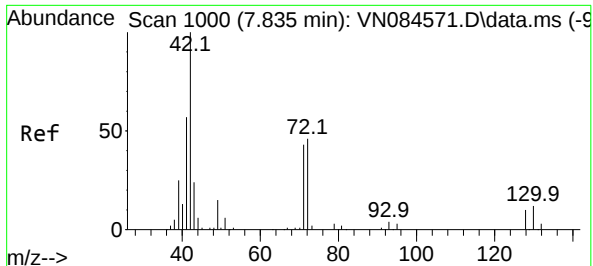
Tgt Ion:	84	Resp:	5602
Ion	Ratio	Lower	Upper
84	100		
49	120.3	107.2	160.8
51	30.5	31.8	47.8#
86	48.9	52.9	79.3#



#25
2-Butanone
Concen: 1.714 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Tgt Ion:	43	Resp:	2094
Ion	Ratio	Lower	Upper
43	100		
72	26.7	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.278 ug/l

RT: 7.841 min Scan# 1066

Delta R.T. 0.006 min

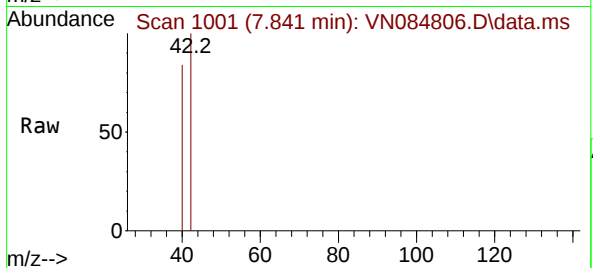
Lab File: VN084806.D

Acq: 12 Nov 2024 19:14

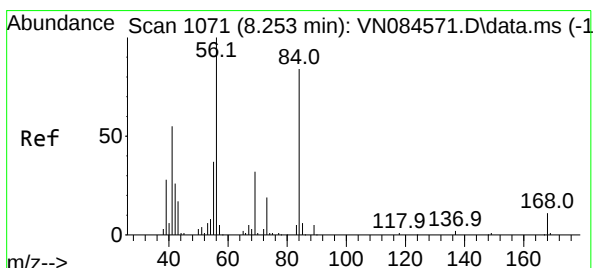
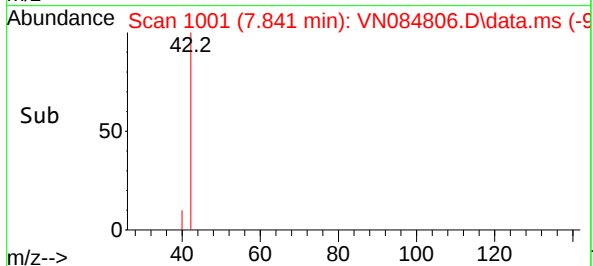
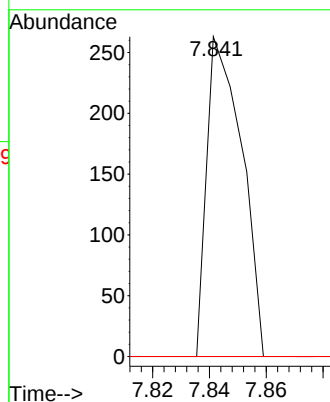
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	225
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.006 ug/l

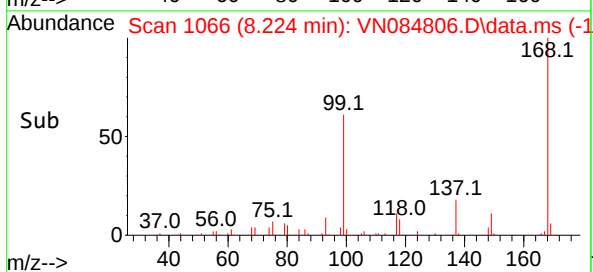
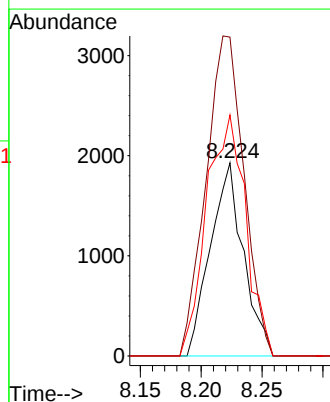
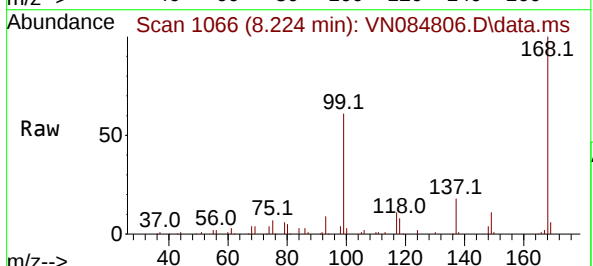
RT: 8.224 min Scan# 1066

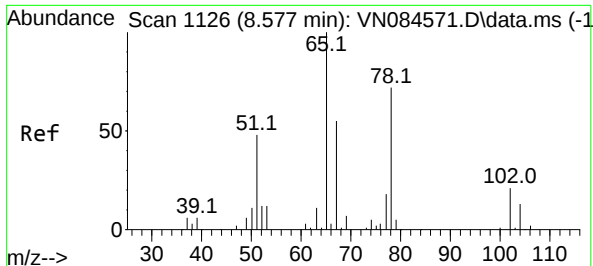
Delta R.T. -0.029 min

Lab File: VN084806.D

Acq: 12 Nov 2024 19:14

Tgt Ion:	56	Resp:	3637
Ion	Ratio	Lower	Upper
56	100		
69	165.1	23.8	35.6#
84	124.7	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 46.777 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084806.D

Acq: 12 Nov 2024 19:14

Instrument :

MSVOA_N

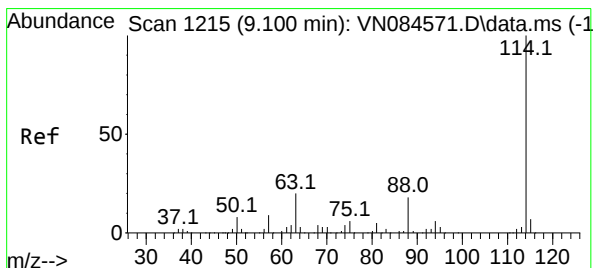
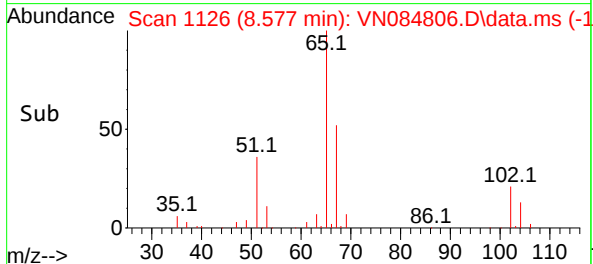
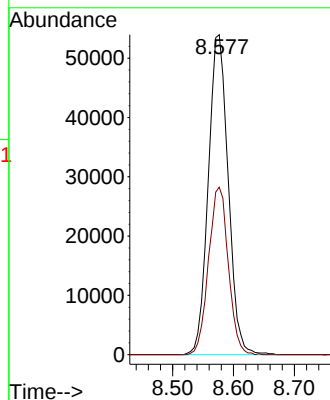
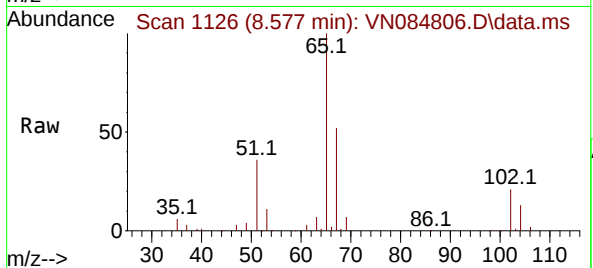
ClientSampleId :

Tgt Ion: 65 Resp: 122508

Ion Ratio Lower Upper

65 100

67 52.0 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: VN084806.D

Acq: 12 Nov 2024 19:14

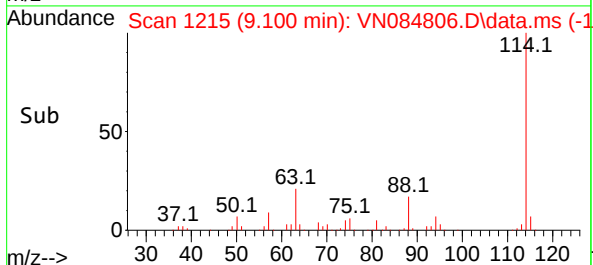
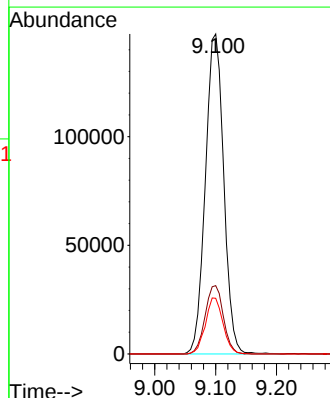
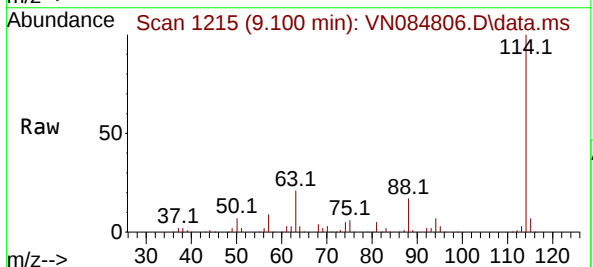
Tgt Ion:114 Resp: 308155

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.8

88 17.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.093 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

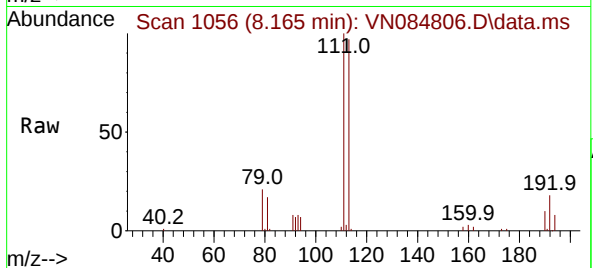
Lab File: VN084806.D

Acq: 12 Nov 2024 19:14

Instrument :

MSVOA_N

ClientSampleId :



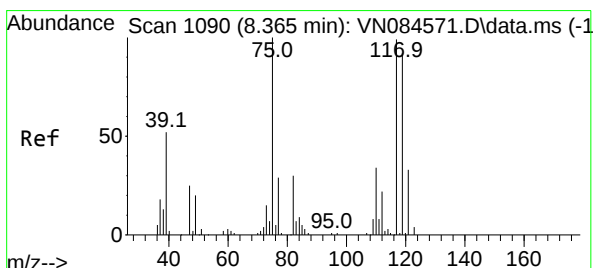
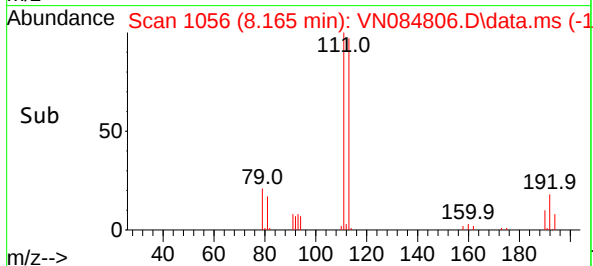
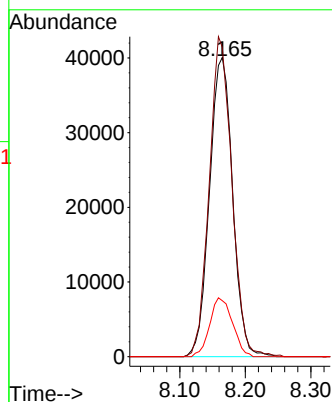
Tgt Ion:113 Resp: 98228

Ion Ratio Lower Upper

113 100

111 104.4 83.3 124.9

192 19.4 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.019 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084806.D

Acq: 12 Nov 2024 19:14

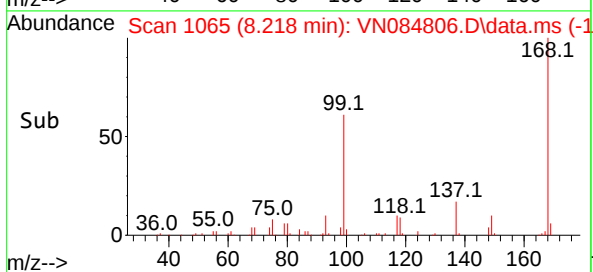
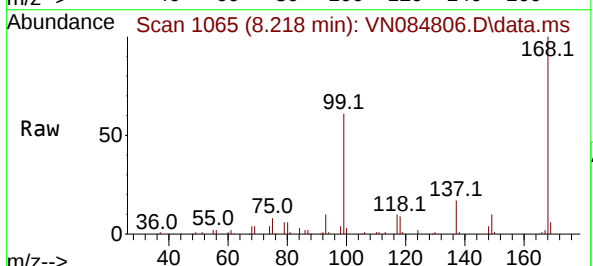
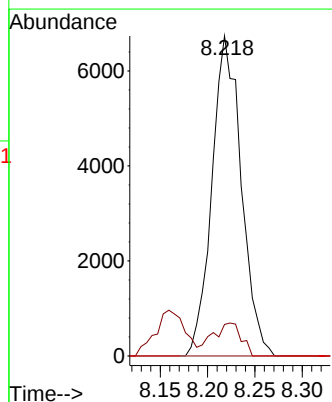
Tgt Ion: 75 Resp: 14519

Ion Ratio Lower Upper

75 100

110 10.2 16.9 50.7#

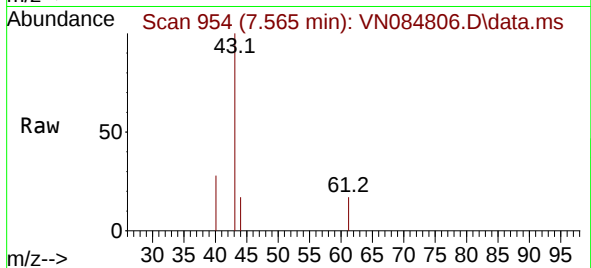
77 0.0 24.7 37.1#



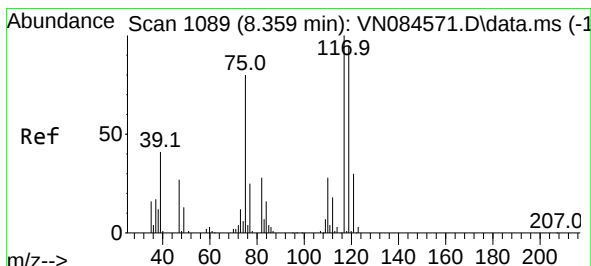
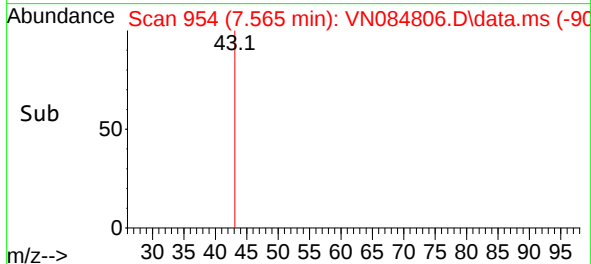
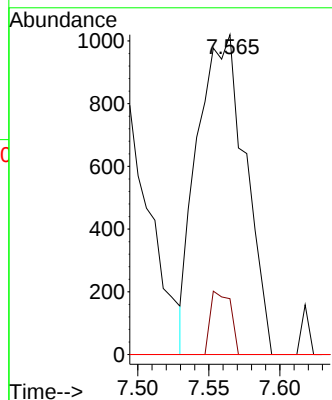


#37
Ethyl Acetate
Concen: 0.914 ug/l
RT: 7.565 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Instrument :
MSVOA_N
ClientSampleId :

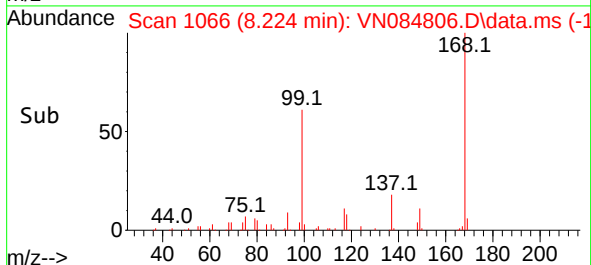
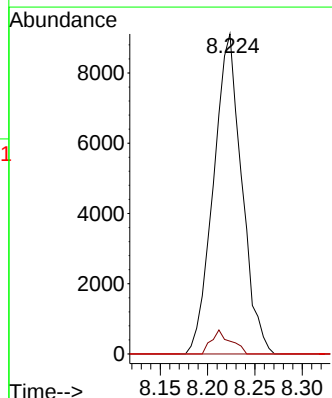
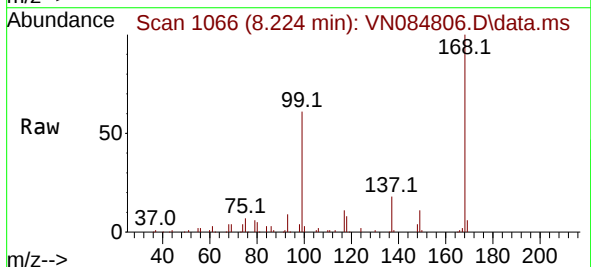


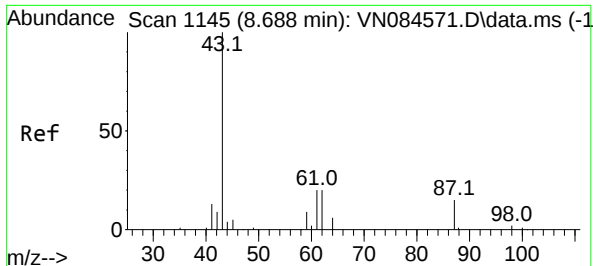
Tgt Ion: 43 Resp: 2398
Ion Ratio Lower Upper
43 100
61 8.3 10.7 16.1#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.859 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Tgt Ion: 117 Resp: 18944
Ion Ratio Lower Upper
117 100
119 4.0 78.7 118.1#
121 0.0 24.4 36.6#

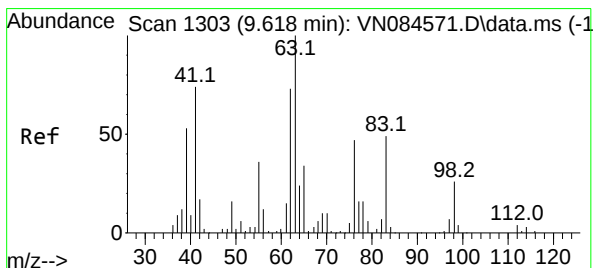
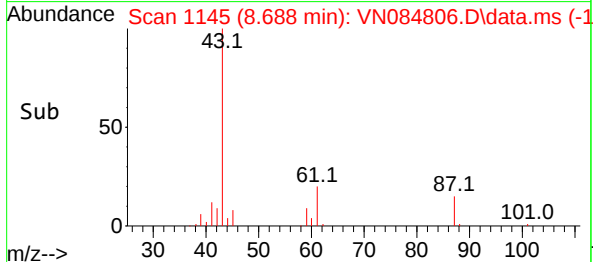
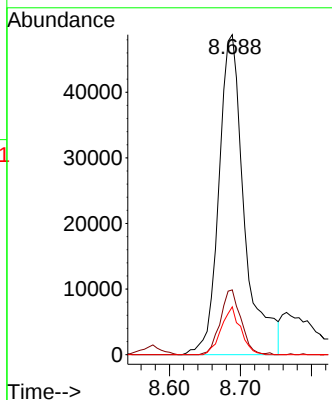
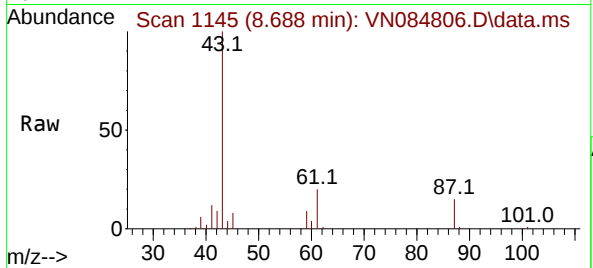




#43
Isopropyl Acetate
Concen: 24.638 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

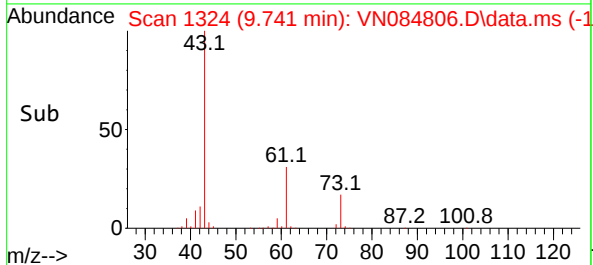
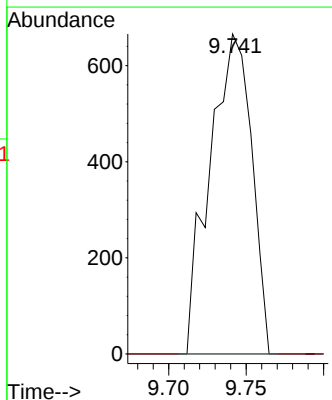
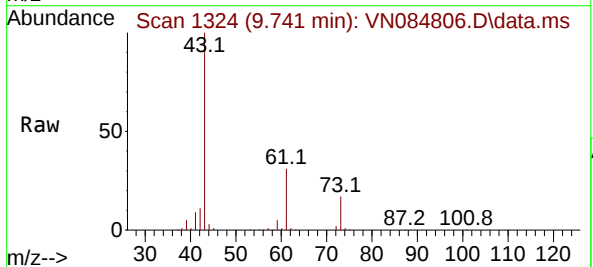
Instrument :
MSVOA_N
ClientSampleId :

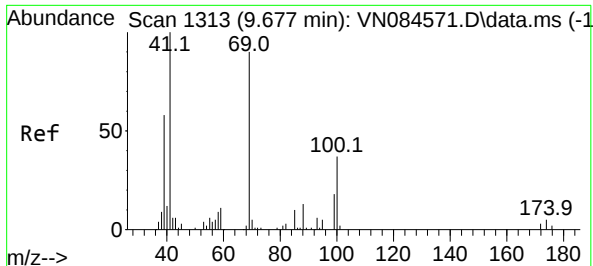
Tgt Ion: 43 Resp: 121837
Ion Ratio Lower Upper
43 100
61 16.4 20.4 30.6#
87 11.3 10.3 15.5



#45
1,2-Dichloropropane
Concen: 0.574 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Tgt Ion: 63 Resp: 1251
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.401 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084806.D

Acq: 12 Nov 2024 19:14

Instrument :

MSVOA_N

ClientSampleId :

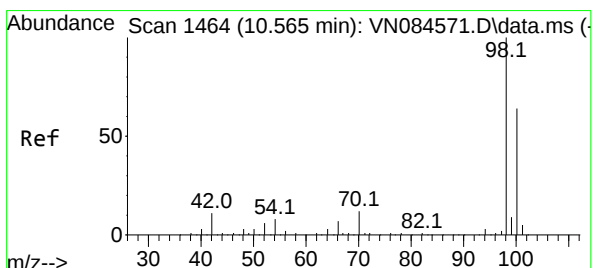
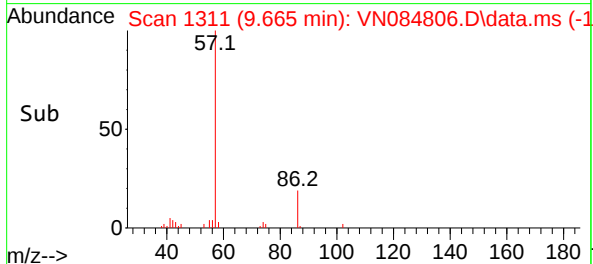
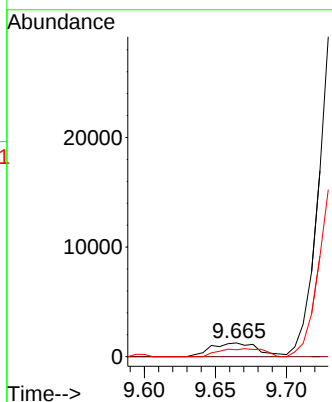
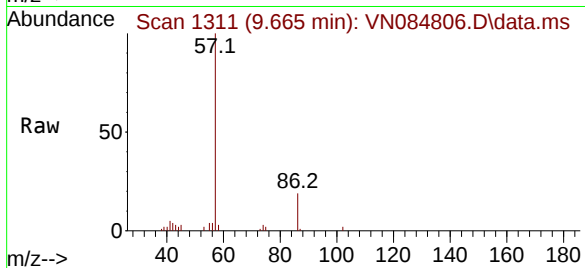
Tgt Ion: 41 Resp: 2861

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 56.8 45.8 68.6



#50

Toluene-d8

Concen: 47.669 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084806.D

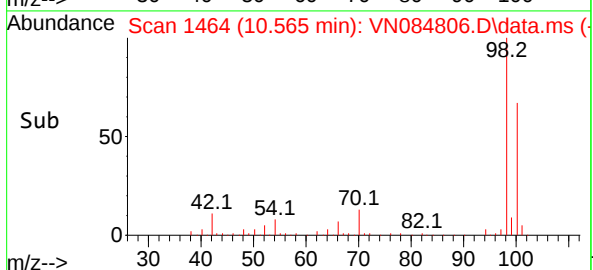
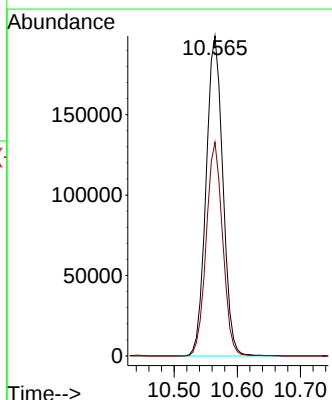
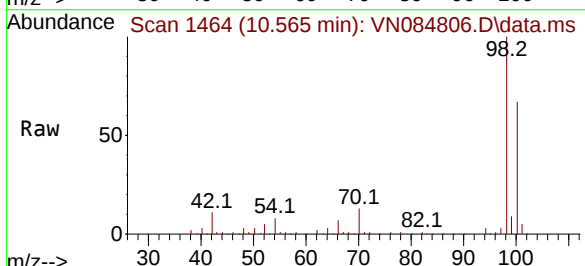
Acq: 12 Nov 2024 19:14

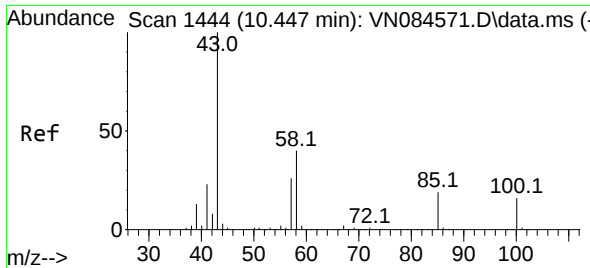
Tgt Ion: 98 Resp: 366267

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1

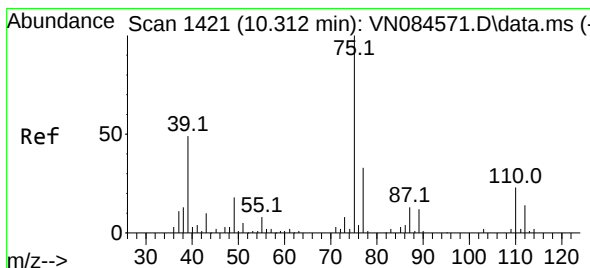
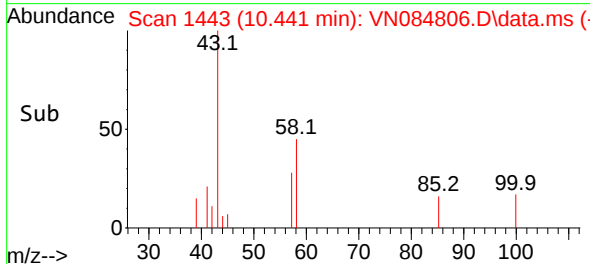
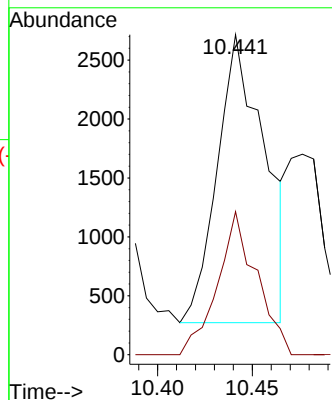
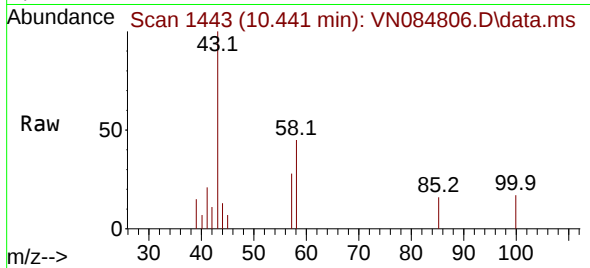




#51
4-Methyl-2-Pentanone
Concen: 1.699 ug/l
RT: 10.441 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

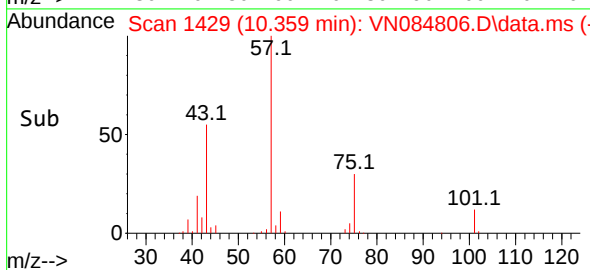
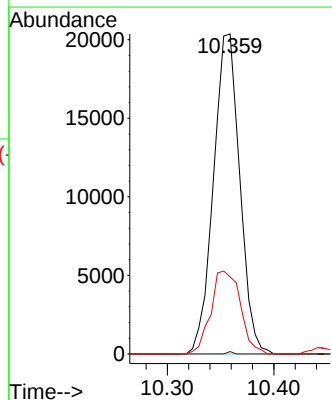
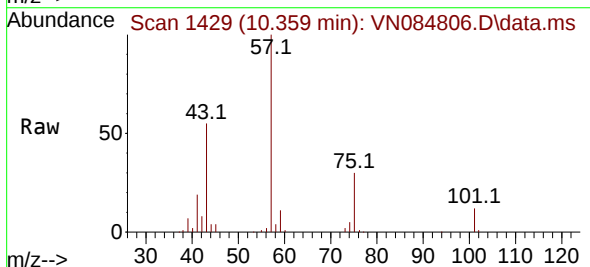
Instrument :
MSVOA_N
ClientSampleId :

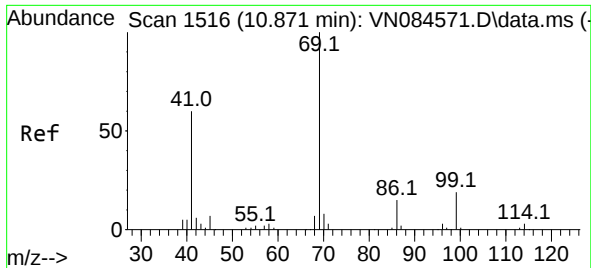
Tgt Ion: 43 Resp: 4252
Ion Ratio Lower Upper
43 100
58 40.9 31.6 47.4



#54
cis-1,3-Dichloropropene
Concen: 9.834 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Tgt Ion: 75 Resp: 34922
Ion Ratio Lower Upper
75 100
77 0.7 24.2 36.2#
39 24.1 38.7 58.1#

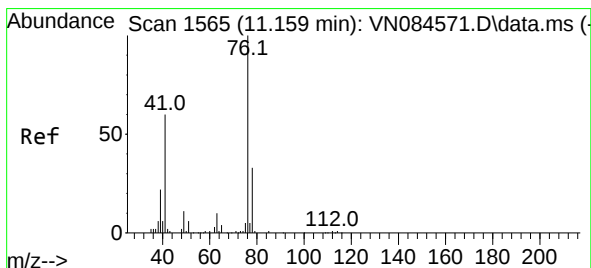
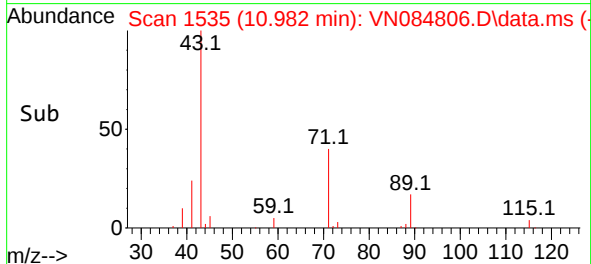
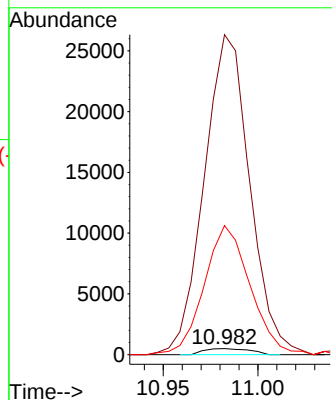
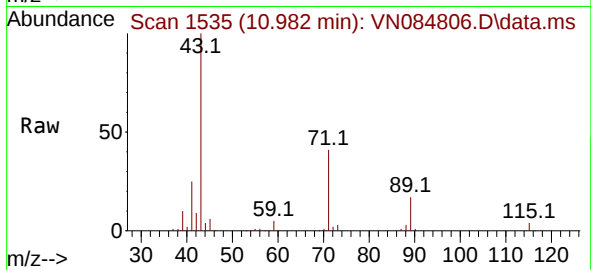




#56
Ethyl methacrylate
Concen: 0.285 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

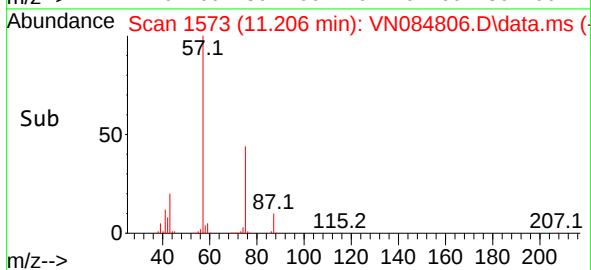
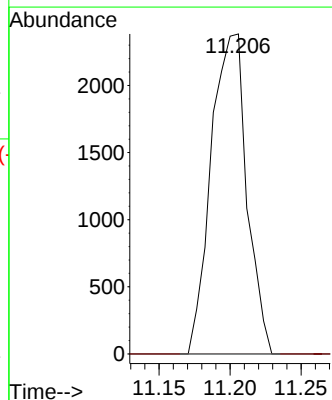
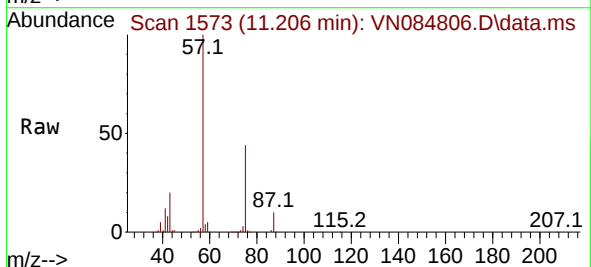
Instrument :
MSVOA_N
ClientSampleId :

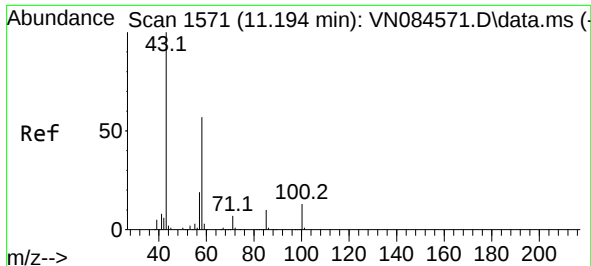
Tgt Ion: 69 Resp: 845
Ion Ratio Lower Upper
69 100
41 5228.4 53.3 79.9#
39 2130.4 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.187 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.047 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Tgt Ion: 76 Resp: 4171
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

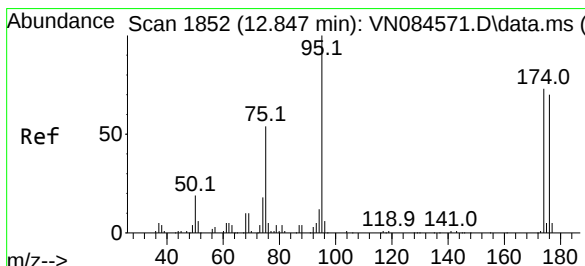
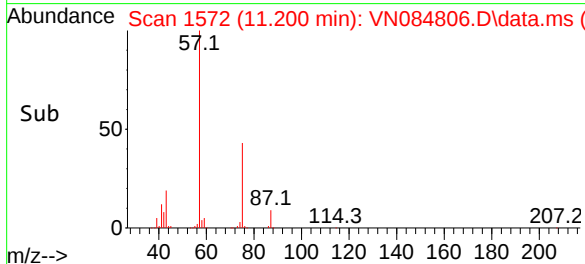
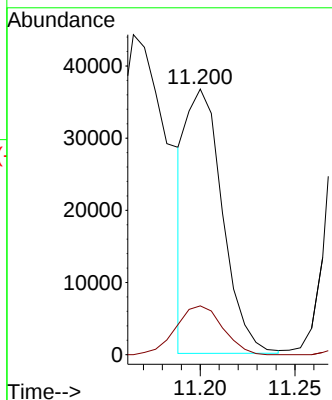
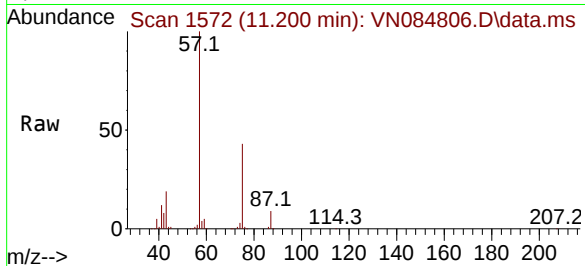




#59
2-Hexanone
Concen: 26.764 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

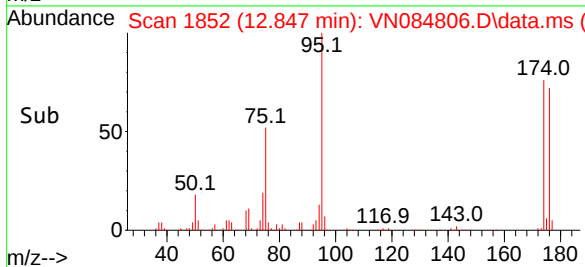
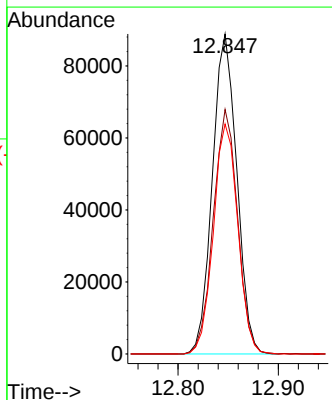
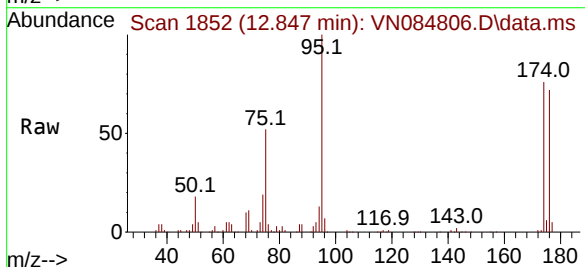
Instrument :
MSVOA_N
ClientSampleId :

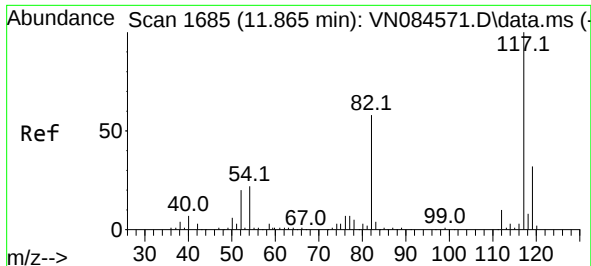
Tgt Ion: 43 Resp: 48742
Ion Ratio Lower Upper
43 100
58 23.9 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 52.265 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Tgt Ion: 95 Resp: 150083
Ion Ratio Lower Upper
95 100
174 75.8 0.0 145.2
176 71.9 0.0 140.0

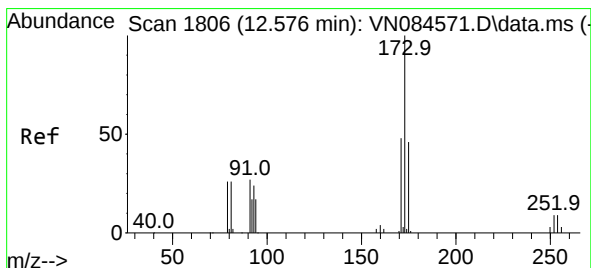
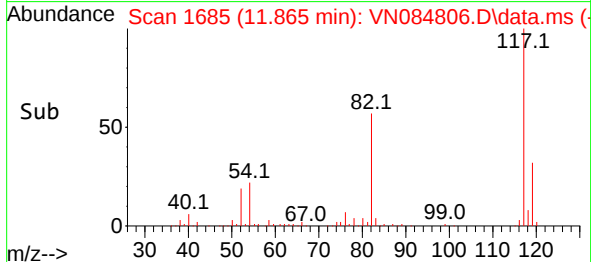
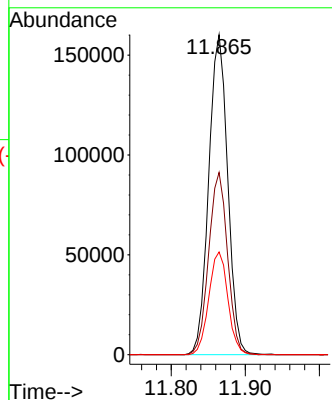
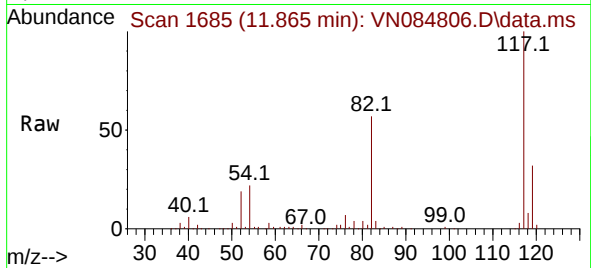




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

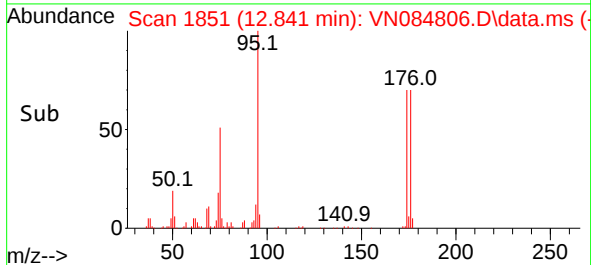
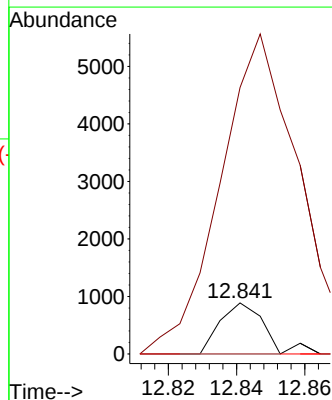
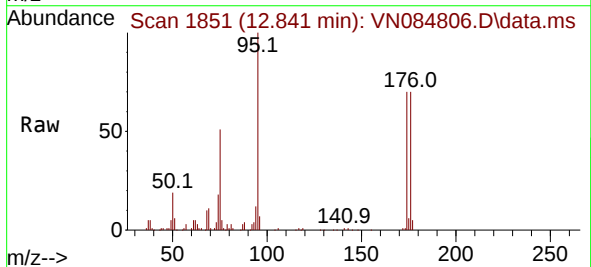
Instrument :
MSVOA_N
ClientSampleId :

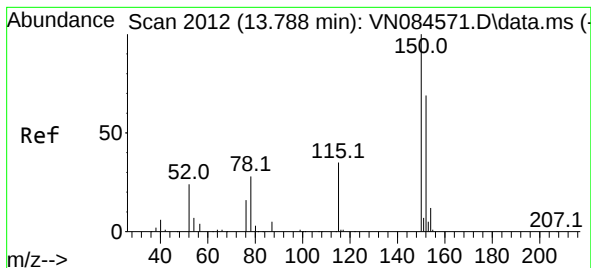
Tgt Ion:117 Resp: 284641
Ion Ratio Lower Upper
117 100
82 57.0 47.2 70.8
119 32.1 25.4 38.0



#71
Bromoform
Concen: 0.451 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Tgt Ion:173 Resp: 751
Ion Ratio Lower Upper
173 100
175 922.8 23.5 70.6#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN084806.D

Acq: 12 Nov 2024 19:14

Instrument :

MSVOA_N

ClientSampleId :

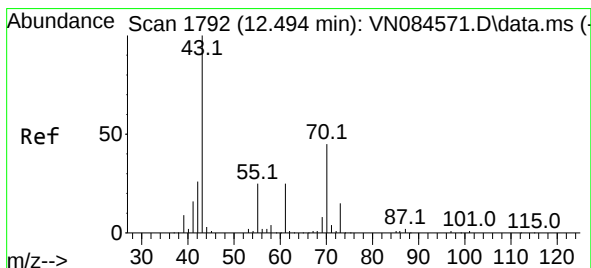
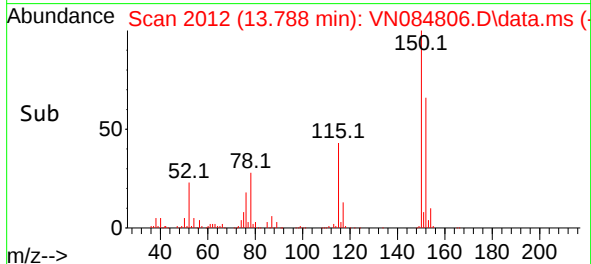
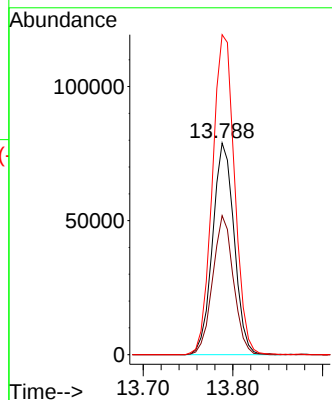
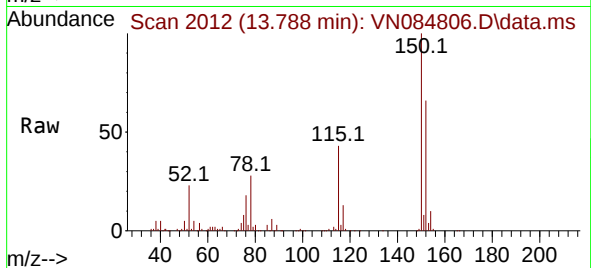
Tgt Ion:152 Resp: 131478

Ion Ratio Lower Upper

152 100

115 63.5 31.3 93.9

150 156.1 0.0 349.8



#74

N-ethyl acetate

Concen: 0.280 ug/l

RT: 12.470 min Scan# 1788

Delta R.T. -0.024 min

Lab File: VN084806.D

Acq: 12 Nov 2024 19:14

Tgt Ion: 43 Resp: 1098

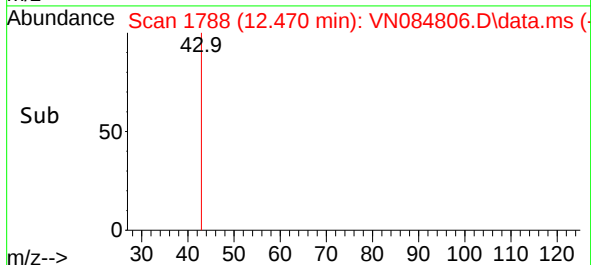
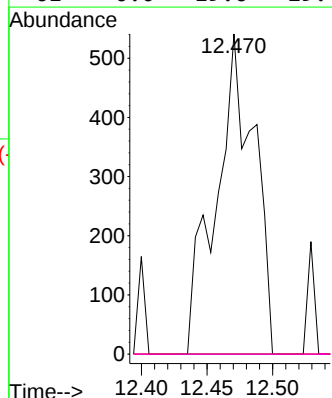
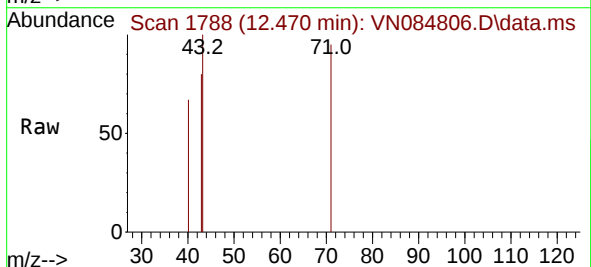
Ion Ratio Lower Upper

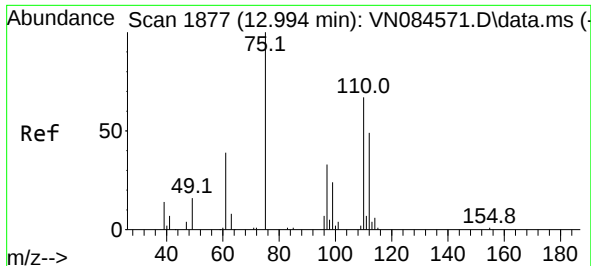
43 100

70 0.0 34.4 51.6#

55 0.0 19.6 29.4#

61 0.0 19.6 29.4#

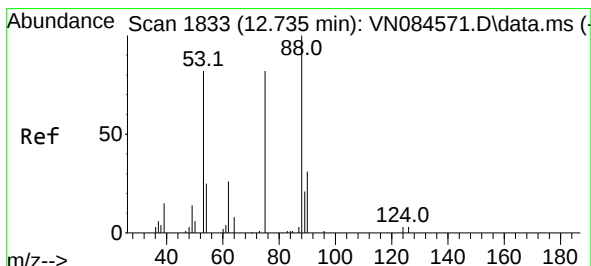
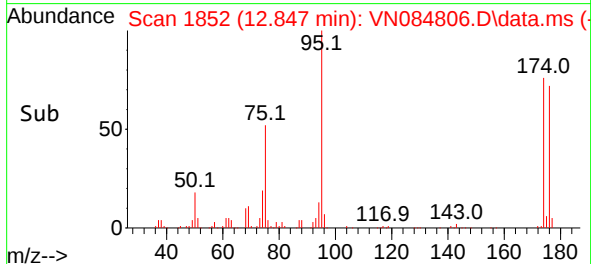
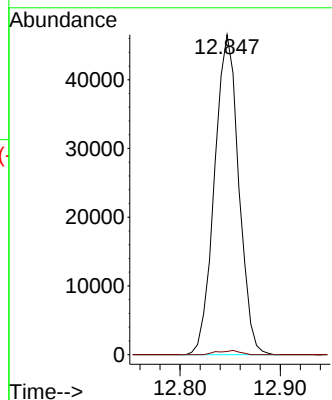
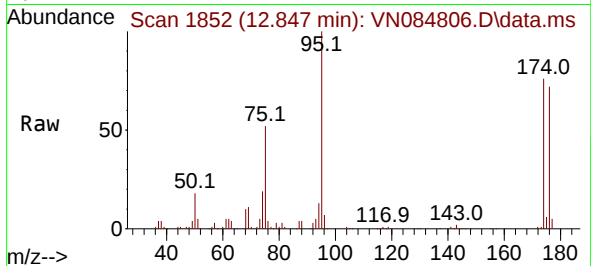




#76
1,2,3-Trichloropropane
Concen: 29.769 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

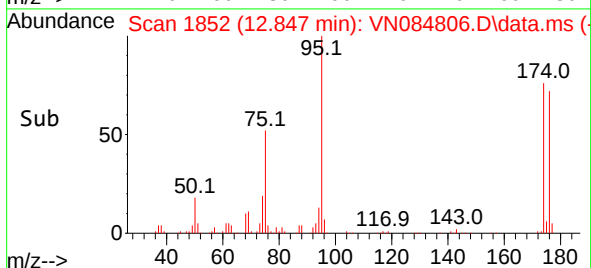
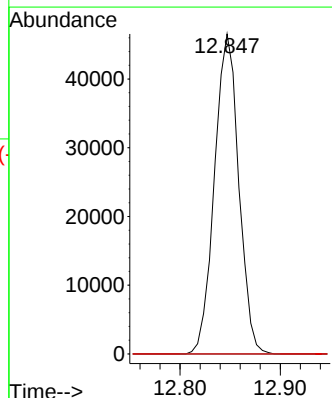
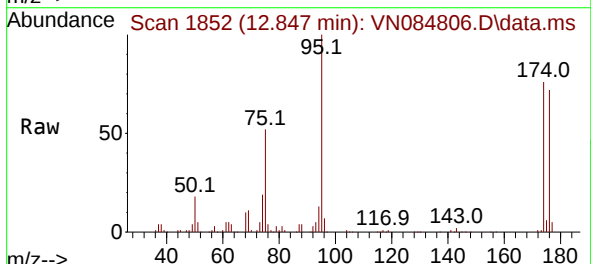
Instrument :
MSVOA_N
ClientSampleId :

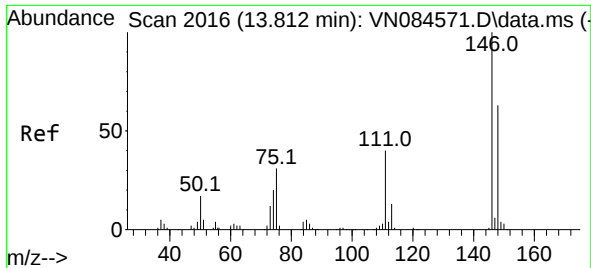
Tgt Ion: 75 Resp: 78239
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.625 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

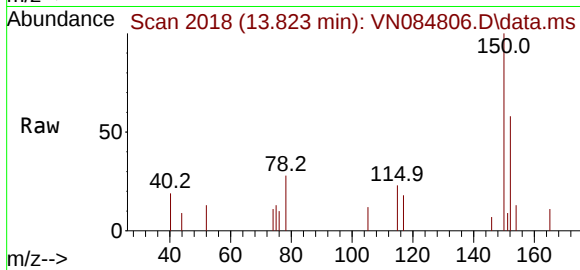
Tgt Ion: 75 Resp: 78239
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



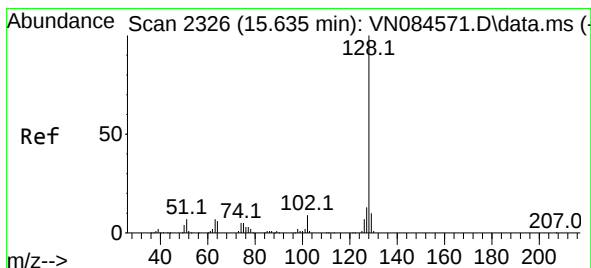
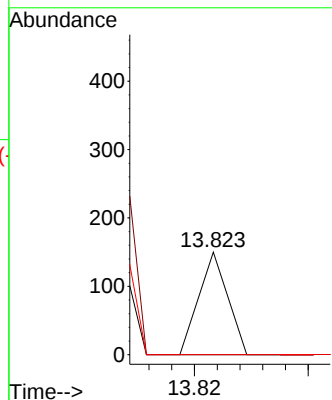
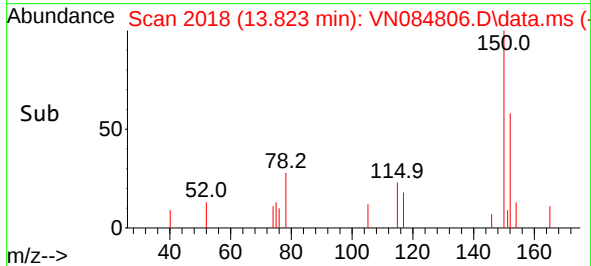


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.823 min Scan# 2016
Delta R.T. 0.011 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:146 Resp: 53
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 0.0 31.9 95.9#



#95
Naphthalene
Concen: 3.347 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.000 min
Lab File: VN084806.D
Acq: 12 Nov 2024 19:14

Tgt Ion:128 Resp: 25474
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 11.0 8.7 13.1

