

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084807.D
 Acq On : 12 Nov 2024 19:38
 Operator : JC\MD
 Sample : P4807-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 13 02:36:40 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)

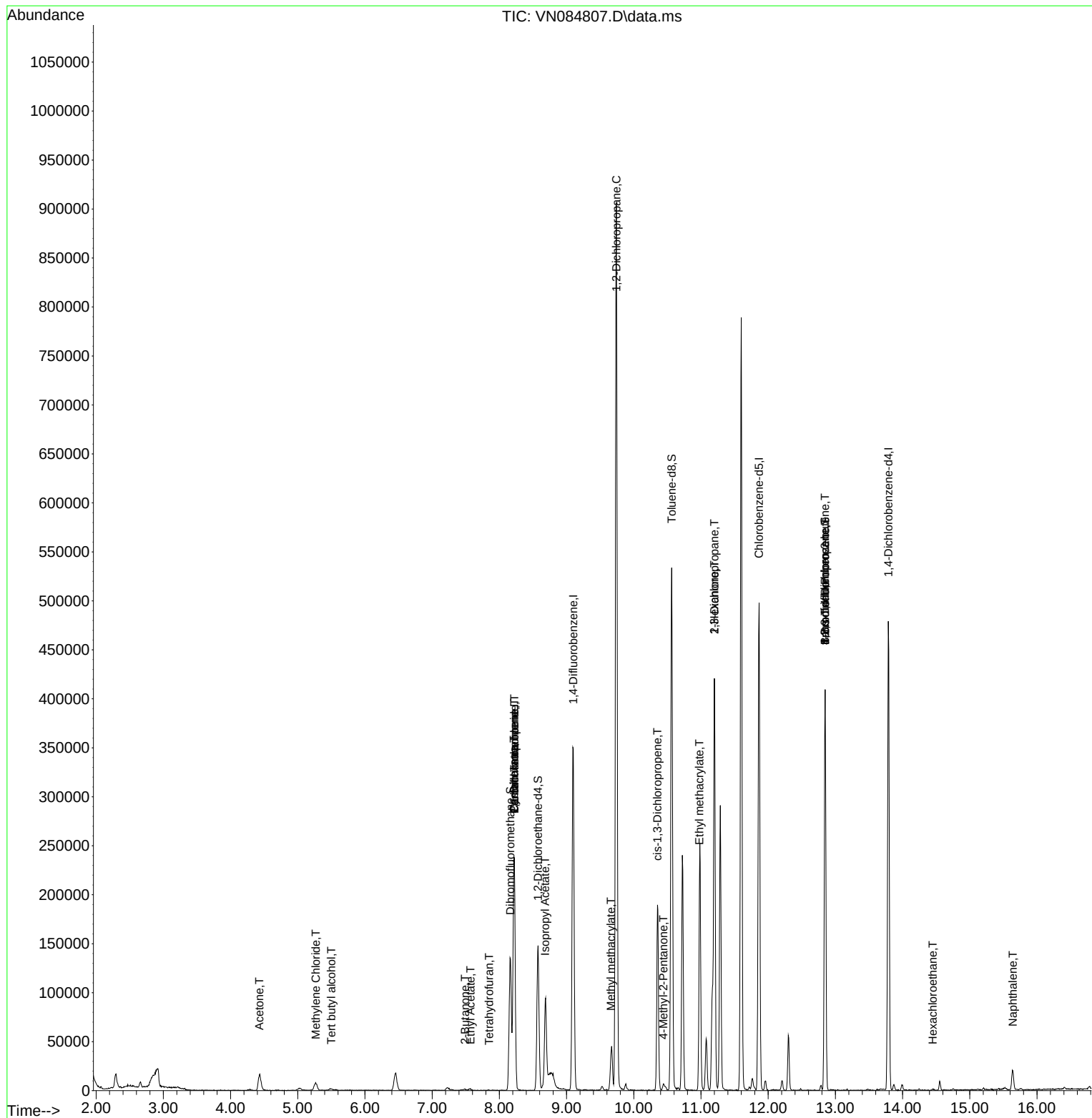
Internal Standards						
1) Pentafluorobenzene	8.224	168	179483	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285327	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	122456	47.238	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	94.480%
35) Dibromofluoromethane	8.165	113	99014	46.948	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.900%
50) Toluene-d8	10.565	98	371203	47.781	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.560%
62) 4-Bromofluorobenzene	12.847	95	147575	50.827	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.660%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	367	Below Cal	#	41
6) Chloroethane	3.142	64	65	Below Cal	#	45
11) Tert butyl alcohol	5.500	59	1726	5.044	ug/l #	73
16) Acetone	4.430	43	30823	38.751	ug/l	96
18) Methyl Acetate	5.030	43	4841	Below Cal	#	88
20) Methylene Chloride	5.271	84	6410	2.811	ug/l #	67
25) 2-Butanone	7.488	43	2214	1.831	ug/l #	87
29) Tetrahydrofuran	7.847	42	236	0.294	ug/l #	53
31) Cyclohexane	8.218	56	3813	1.065	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13748	4.700	ug/l #	51
37) Ethyl Acetate	7.571	43	2824	1.064	ug/l #	85
38) Carbon Tetrachloride	8.224	117	18177	5.560	ug/l #	15
43) Isopropyl Acetate	8.682	43	111259	22.156	ug/l #	90
45) 1,2-Dichloropropane	9.741	63	1118	0.507	ug/l #	44
48) Methyl methacrylate	9.659	41	2915	1.411	ug/l #	36
51) 4-Methyl-2-Pentanone	10.441	43	4081	1.613	ug/l	90
54) cis-1,3-Dichloropropene	10.353	75	35141	9.787	ug/l #	60
56) Ethyl methacrylate	10.976	69	987	0.330	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4464	1.257	ug/l #	42
59) 2-Hexanone	11.200	43	49345	26.797	ug/l #	57
71) Bromoform	12.847	173	669	0.400	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	75760	29.147	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75760	69.148	ug/l #	11
88) 1,4-Dichlorobenzene	13.811	146	223	Below Cal	#	1
90) Hexachloroethane	14.447	117	379	0.235	ug/l #	15
95) Naphthalene	15.641	128	20413	2.712	ug/l	99

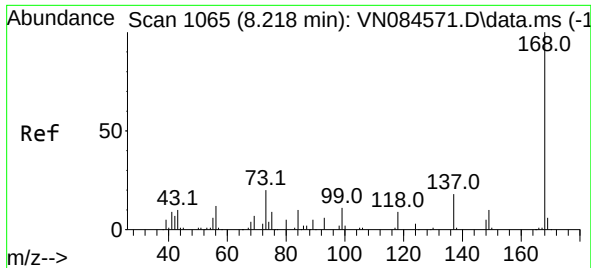
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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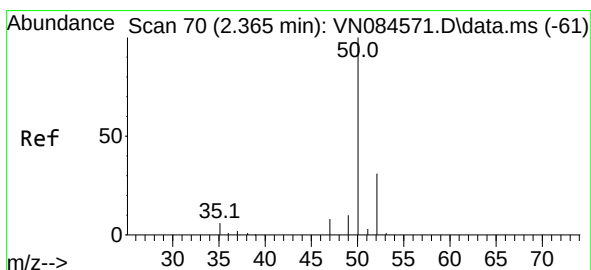
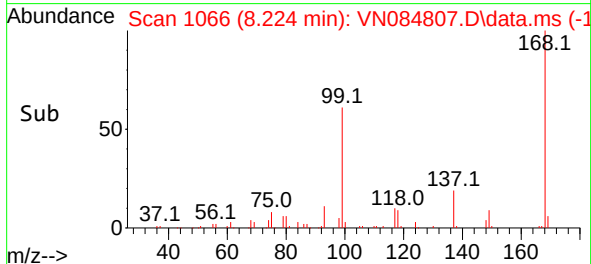
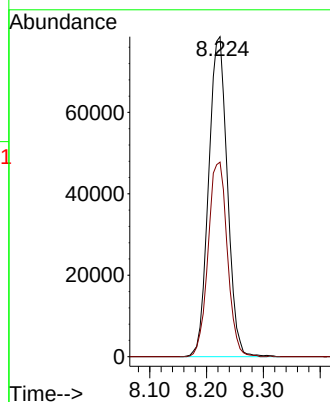
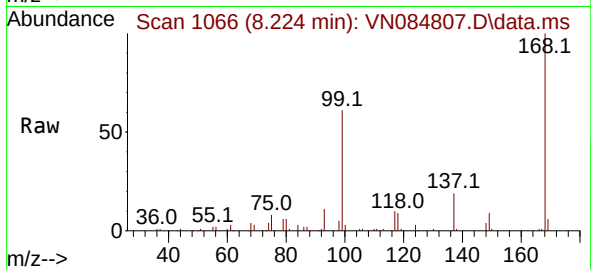




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

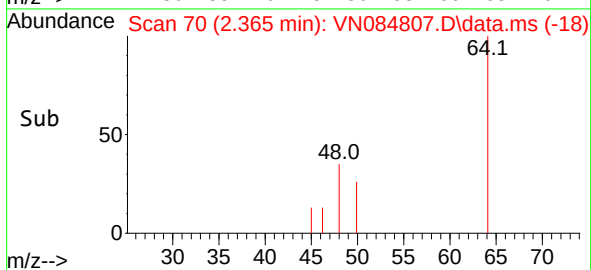
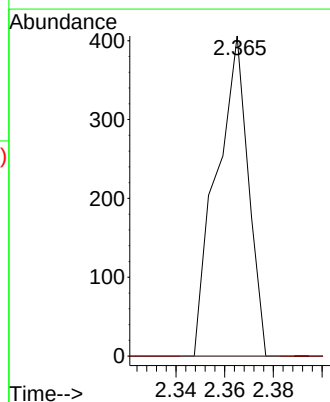
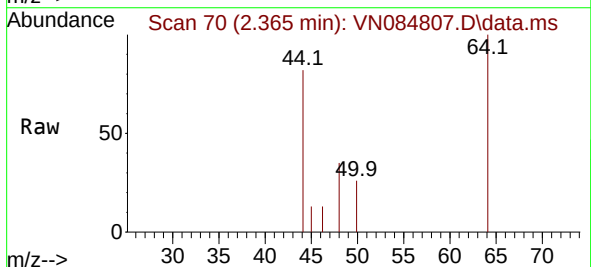
Instrument :
MSVOA_N
ClientSampleId :

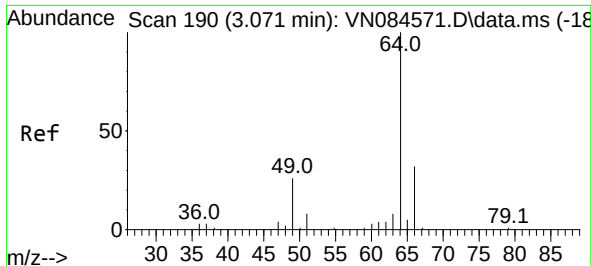
Tgt Ion:168 Resp: 179483
Ion Ratio Lower Upper
168 100
99 60.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

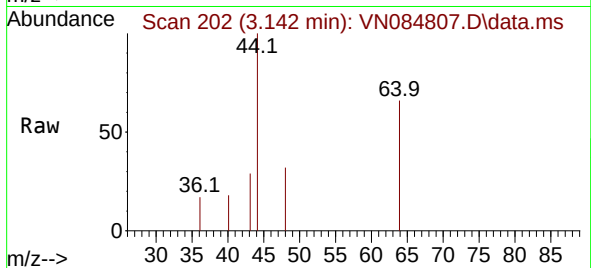
Tgt Ion: 50 Resp: 367
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



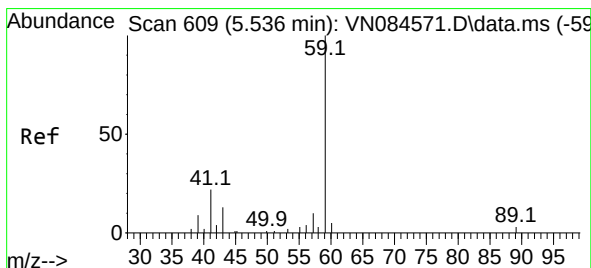
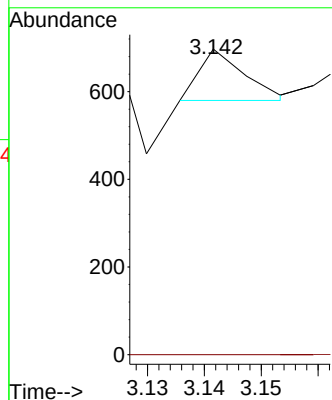
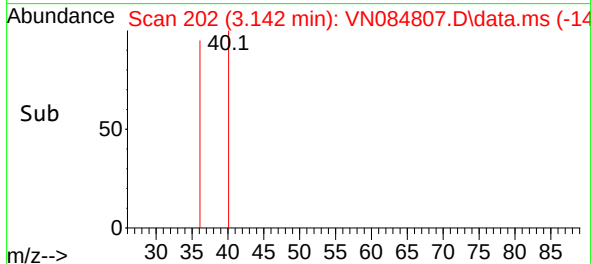


#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 20
Delta R.T. 0.024 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

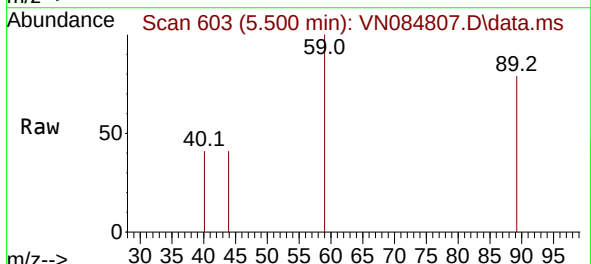
Instrument :
MSVOA_N
ClientSampleId :



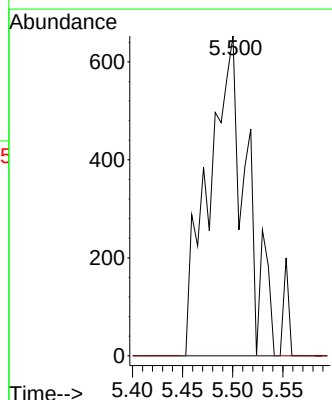
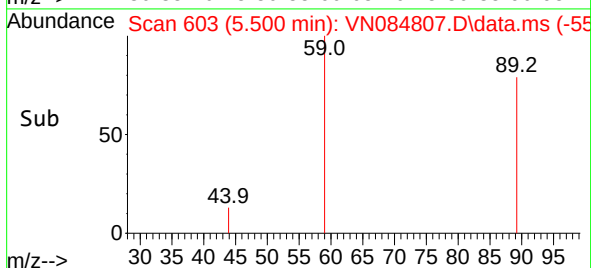
Tgt Ion: 64 Resp: 65
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

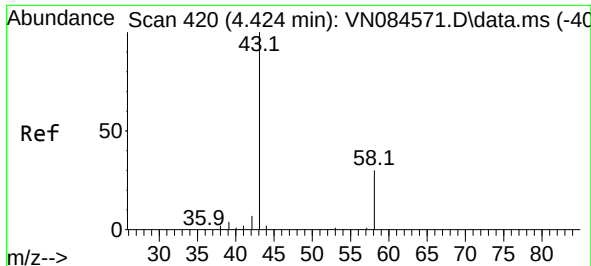


#11
Tert butyl alcohol
Concen: 5.044 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.024 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38



Tgt Ion: 59 Resp: 1726
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

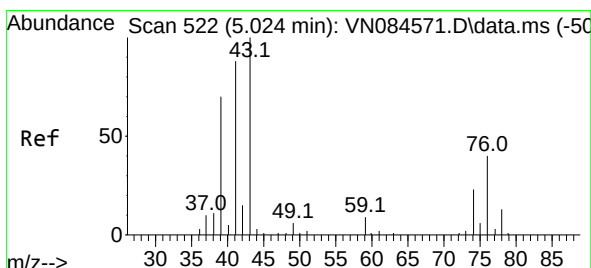
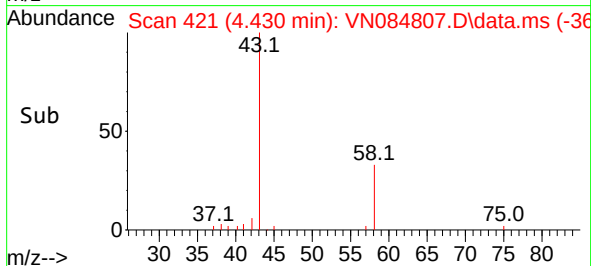
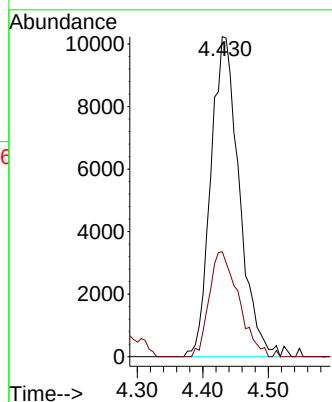
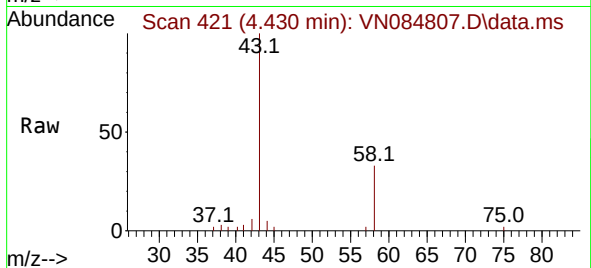




#16
Acetone
Concen: 38.751 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

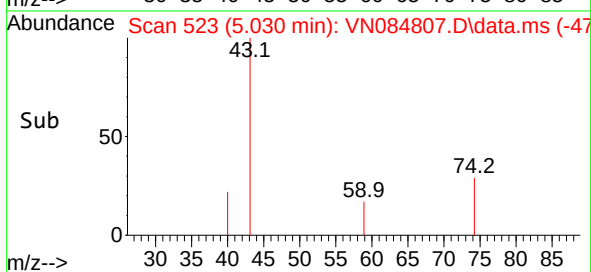
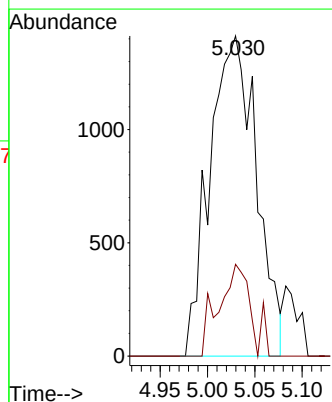
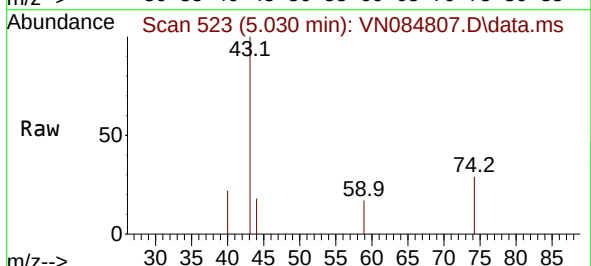
Instrument :
MSVOA_N
ClientSampleId :

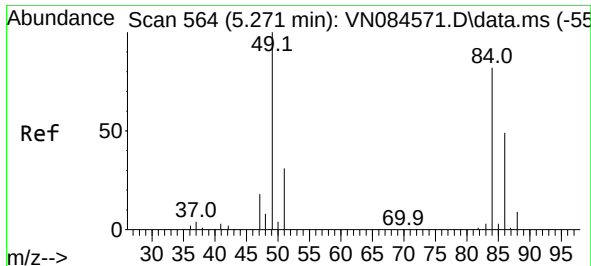
Tgt Ion: 43 Resp: 30823
Ion Ratio Lower Upper
43 100
58 32.8 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

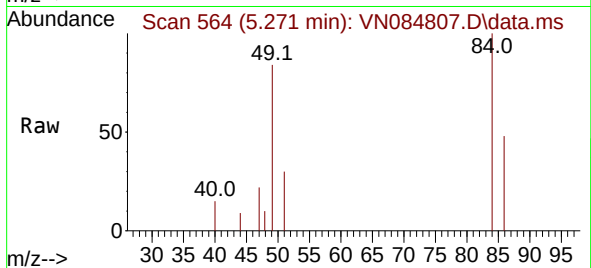
Tgt Ion: 43 Resp: 4841
Ion Ratio Lower Upper
43 100
74 18.0 19.2 28.8#



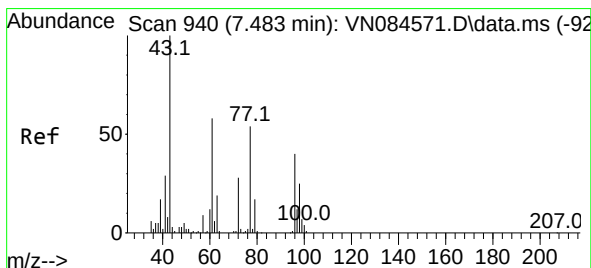
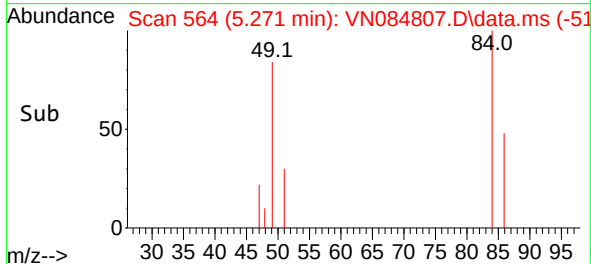
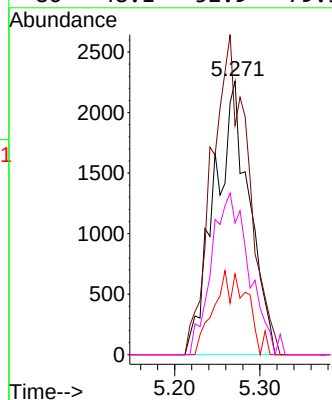


#20
Methylene Chloride
Concen: 2.811 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

Instrument :
MSVOA_N
ClientSampleId :

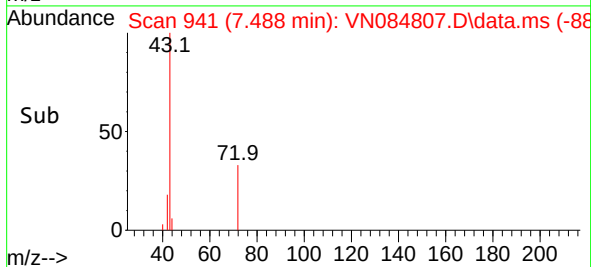
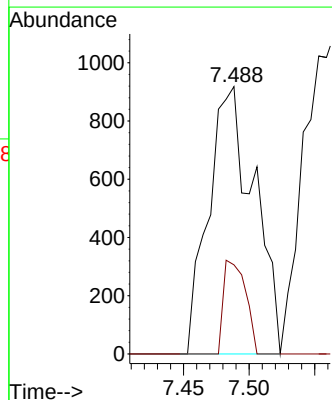
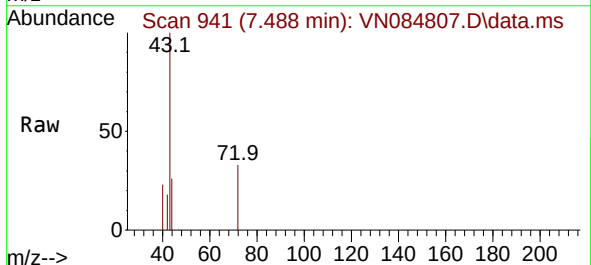


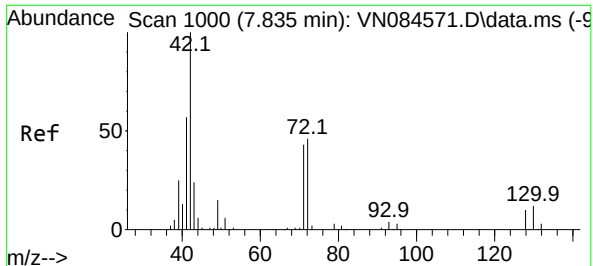
Tgt Ion: 84 Resp: 6410
Ion Ratio Lower Upper
84 100
49 83.9 107.2 160.8#
51 29.5 31.8 47.8#
86 48.1 52.9 79.3#



#25
2-Butanone
Concen: 1.831 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

Tgt Ion: 43 Resp: 2214
Ion Ratio Lower Upper
43 100
72 33.3 21.4 32.2#





#29

Tetrahydrofuran

Concen: 0.294 ug/l

RT: 7.847 min Scan# 1065

Delta R.T. 0.012 min

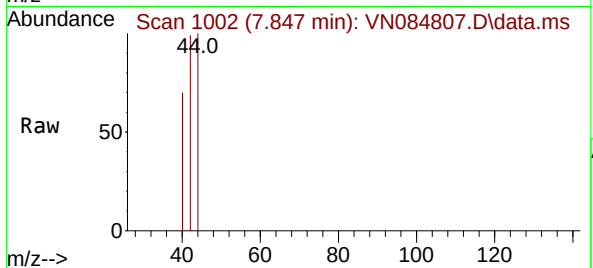
Lab File: VN084807.D

Acq: 12 Nov 2024 19:38

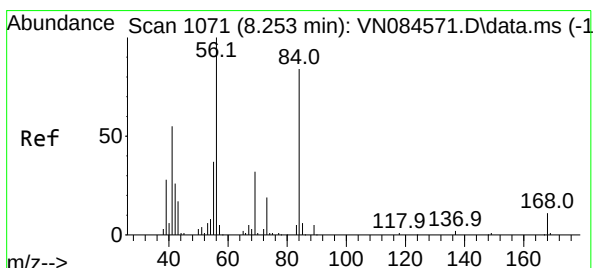
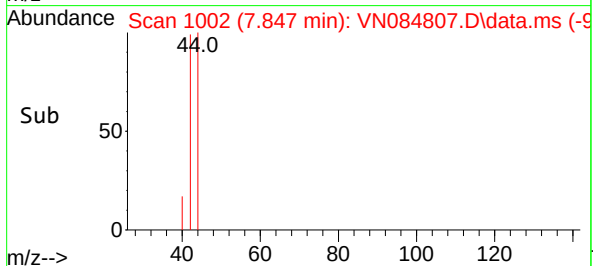
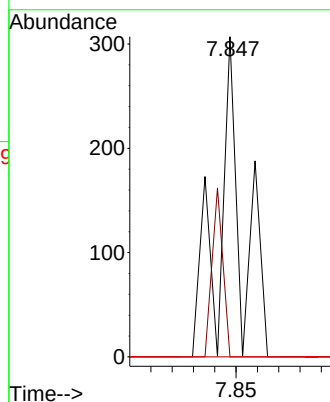
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	236
Ion	Ratio	Lower	Upper
42	100		
72	24.2	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.065 ug/l

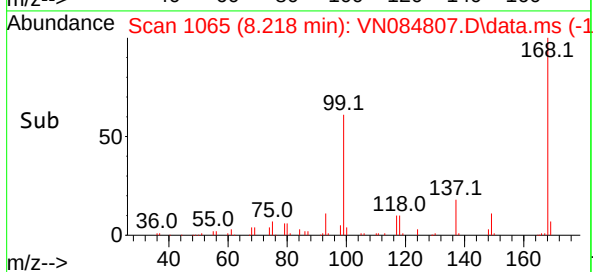
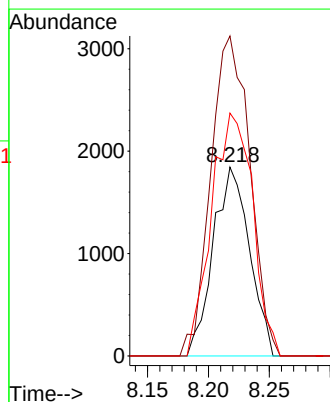
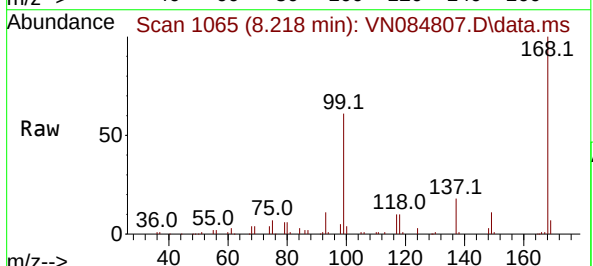
RT: 8.218 min Scan# 1065

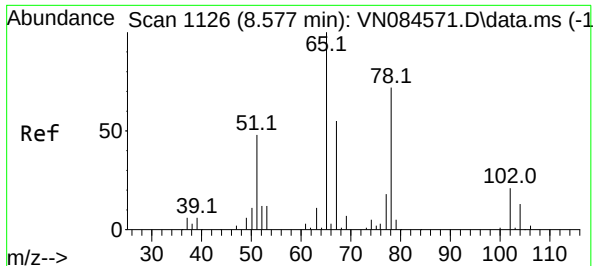
Delta R.T. -0.035 min

Lab File: VN084807.D

Acq: 12 Nov 2024 19:38

Tgt Ion:	56	Resp:	3813
Ion	Ratio	Lower	Upper
56	100		
69	169.5	23.8	35.6#
84	128.6	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 47.238 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.001 min

Lab File: VN084807.D

Acq: 12 Nov 2024 19:38

Instrument :

MSVOA_N

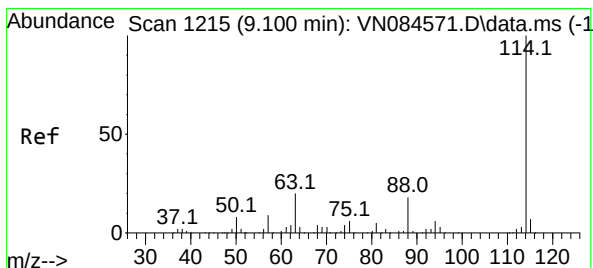
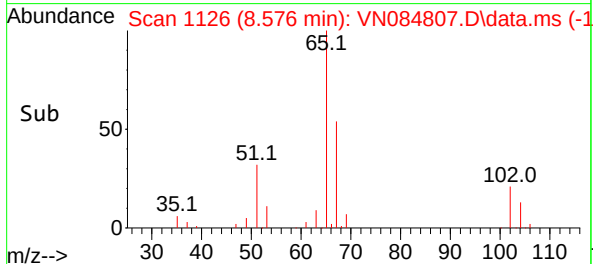
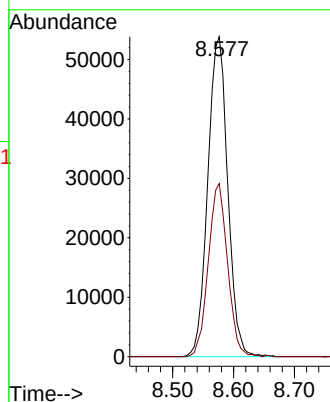
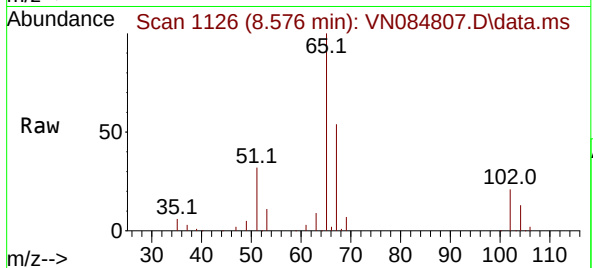
ClientSampleId :

Tgt Ion: 65 Resp: 122456

Ion Ratio Lower Upper

65 100

67 52.2 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: VN084807.D

Acq: 12 Nov 2024 19:38

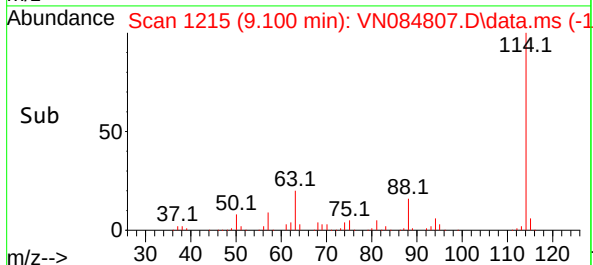
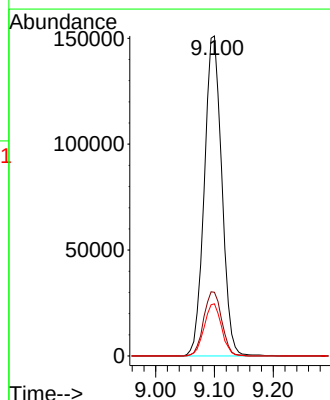
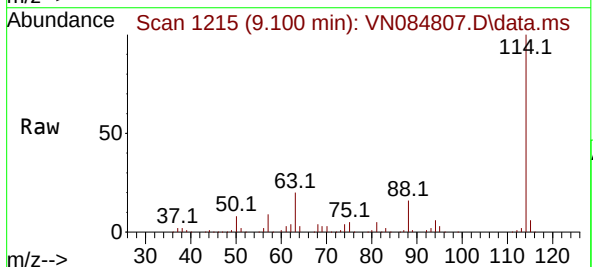
Tgt Ion: 114 Resp: 311576

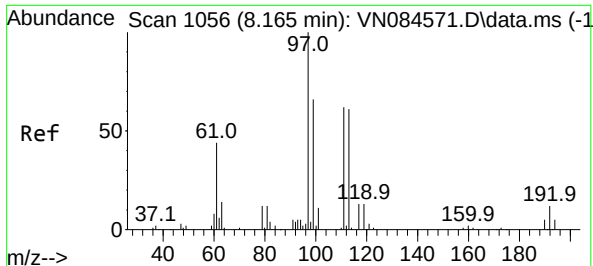
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.8

88 16.3 0.0 31.6

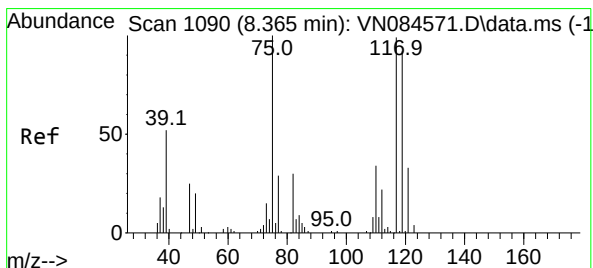
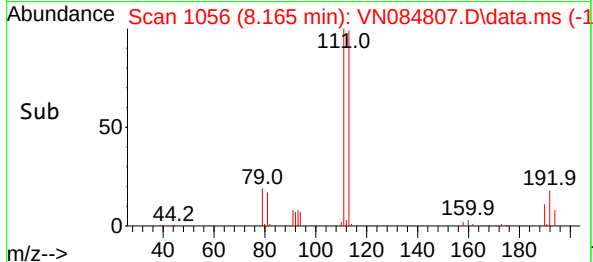
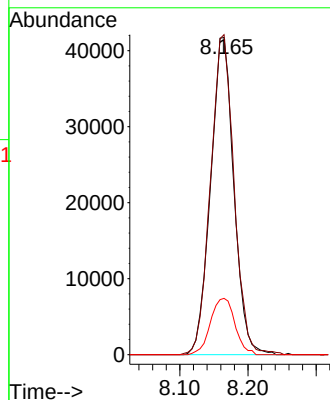
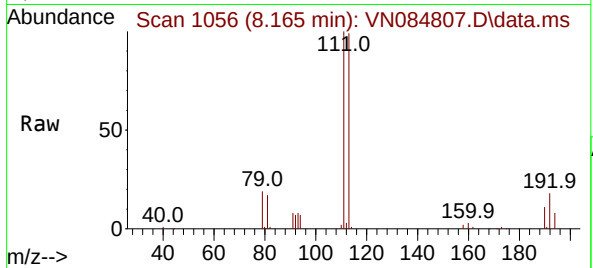




#35
Dibromofluoromethane
Concen: 46.948 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

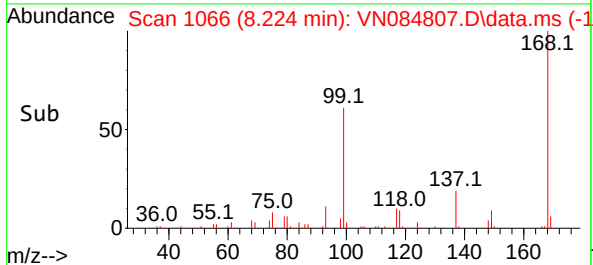
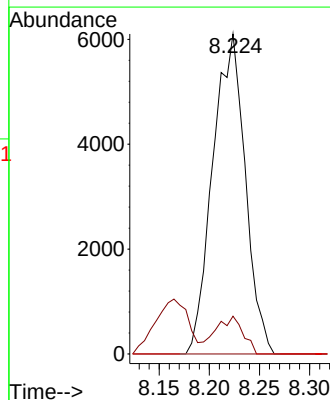
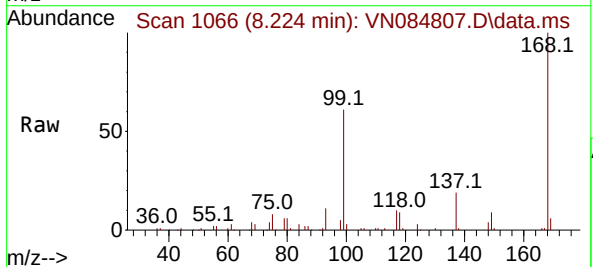
Instrument :
MSVOA_N
ClientSampleId :

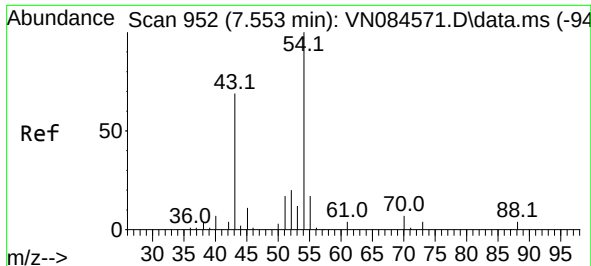
Tgt Ion:113 Resp: 99014
Ion Ratio Lower Upper
113 100
111 101.9 83.3 124.9
192 18.7 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.700 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

Tgt Ion: 75 Resp: 13748
Ion Ratio Lower Upper
75 100
110 9.7 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.064 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.012 min

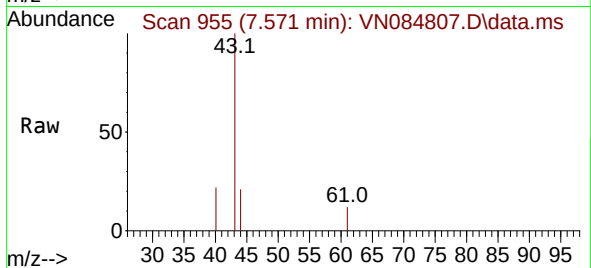
Lab File: VN084807.D

Acq: 12 Nov 2024 19:38

Instrument :

MSVOA_N

ClientSampleId :



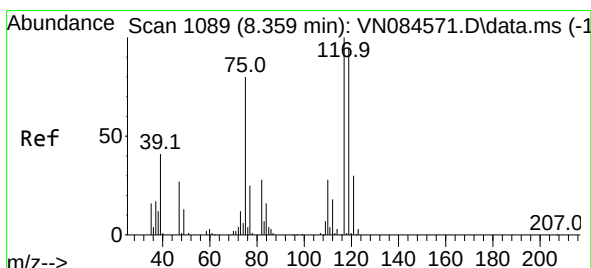
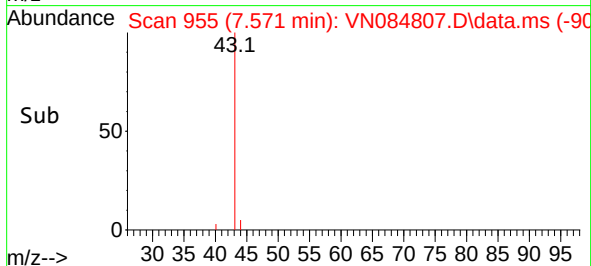
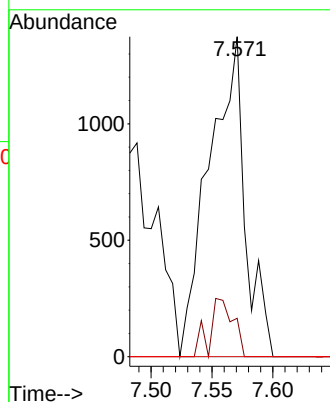
Tgt Ion: 43 Resp: 2824

Ion Ratio Lower Upper

43 100

61 12.0 10.7 16.1

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.560 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.135 min

Lab File: VN084807.D

Acq: 12 Nov 2024 19:38

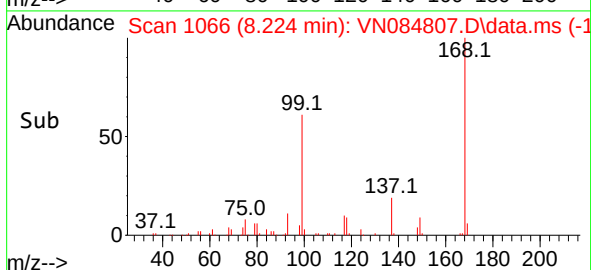
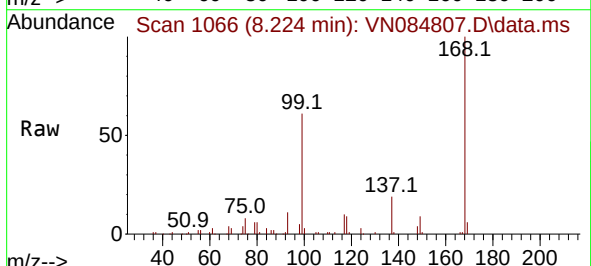
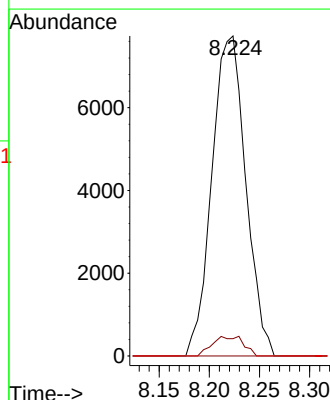
Tgt Ion: 117 Resp: 18177

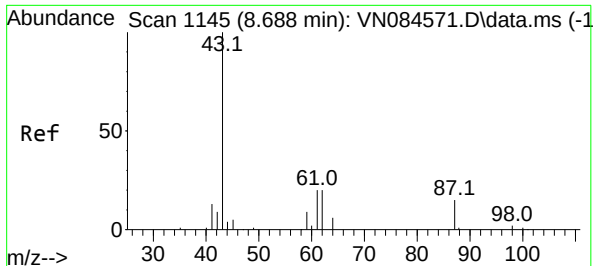
Ion Ratio Lower Upper

117 100

119 5.4 78.7 118.1#

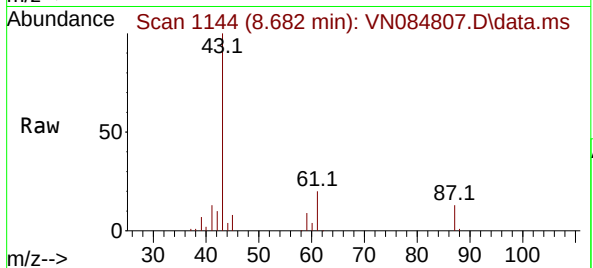
121 0.0 24.4 36.6#



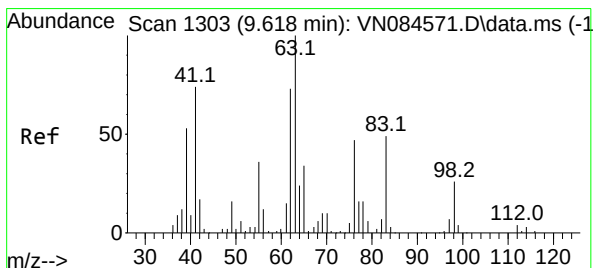
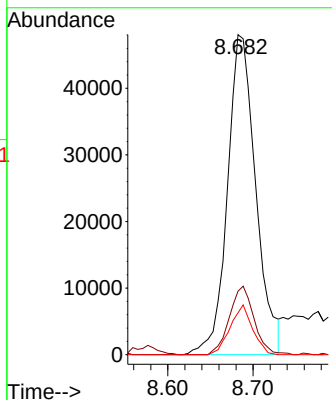
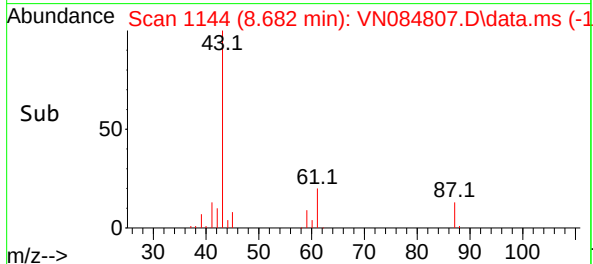


#43
Isopropyl Acetate
Concen: 22.156 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

Instrument :
MSVOA_N
ClientSampleId :

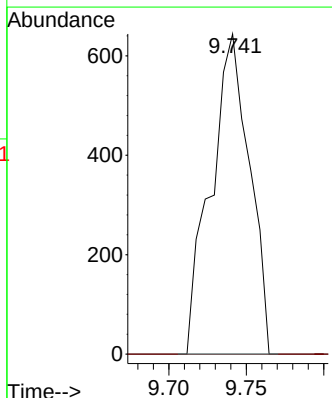
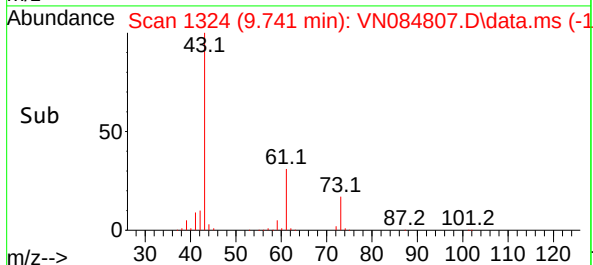
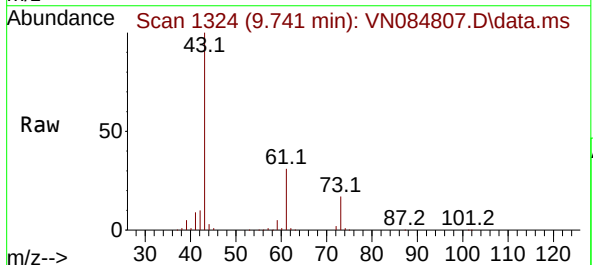


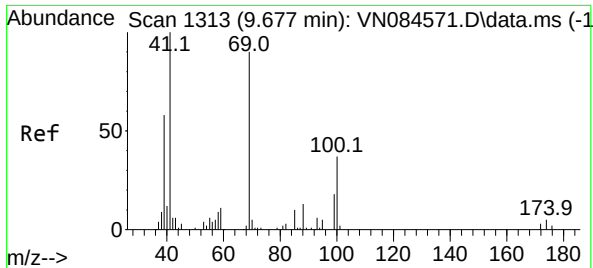
Tgt Ion: 43 Resp: 111259
Ion Ratio Lower Upper
43 100
61 18.6 20.4 30.6#
87 12.3 10.3 15.5



#45
1,2-Dichloropropane
Concen: 0.507 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

Tgt Ion: 63 Resp: 1118
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

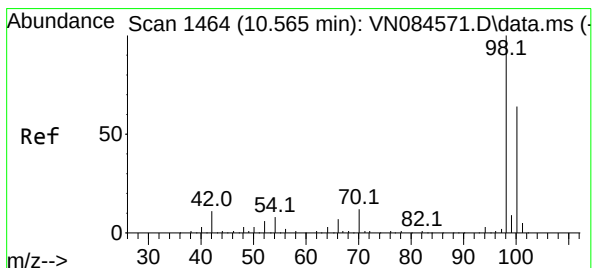
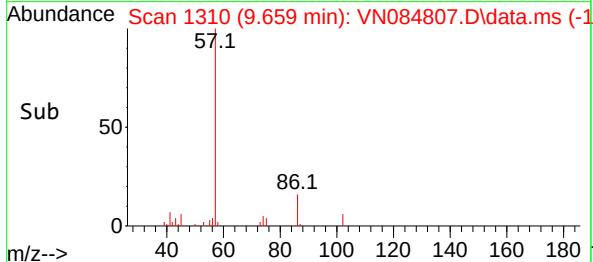
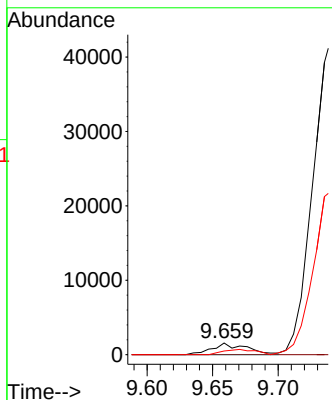
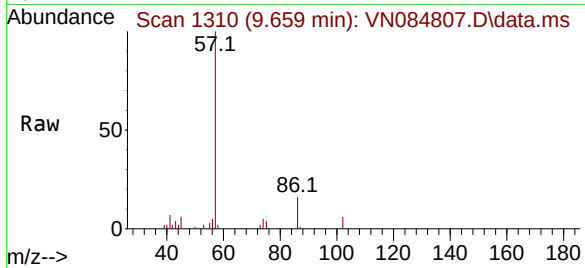




#48
Methyl methacrylate
Concen: 1.411 ug/l
RT: 9.659 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

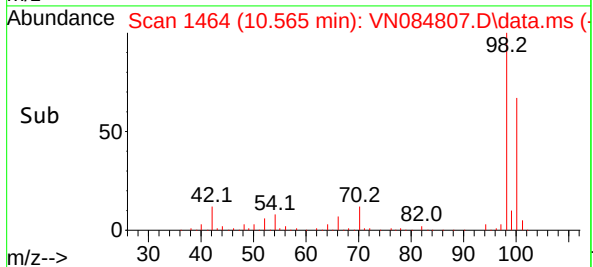
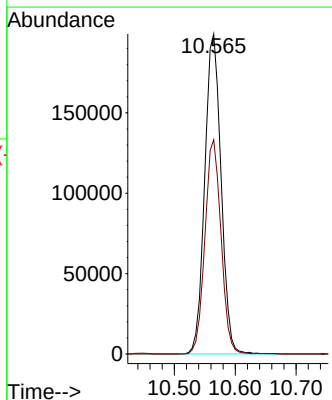
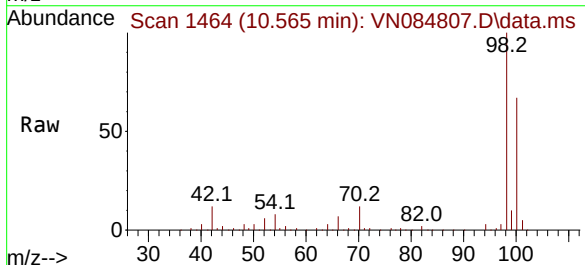
Instrument :
MSVOA_N
ClientSampleId :

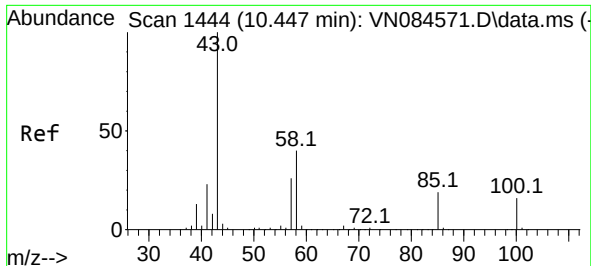
Tgt Ion: 41 Resp: 2915
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 41.5 45.8 68.6#



#50
Toluene-d8
Concen: 47.781 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

Tgt Ion: 98 Resp: 371203
Ion Ratio Lower Upper
98 100
100 66.0 52.7 79.1

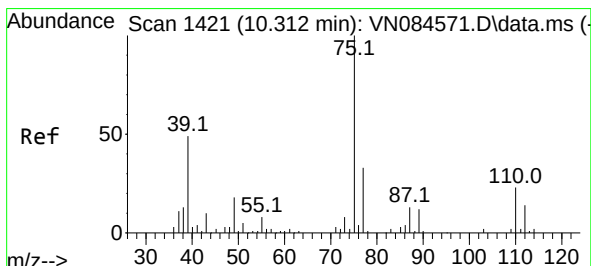
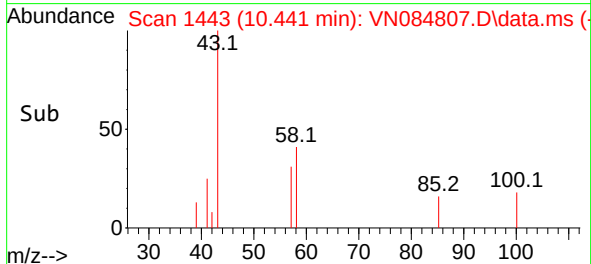
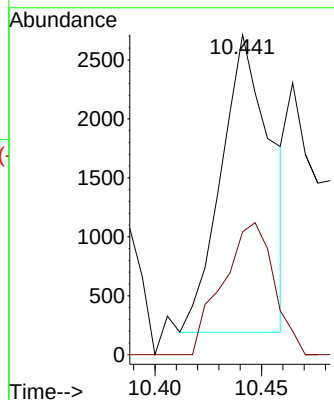
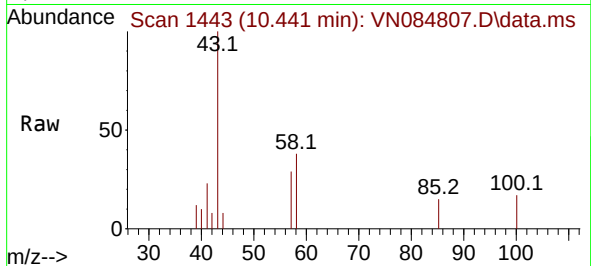




#51
4-Methyl-2-Pentanone
Concen: 1.613 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

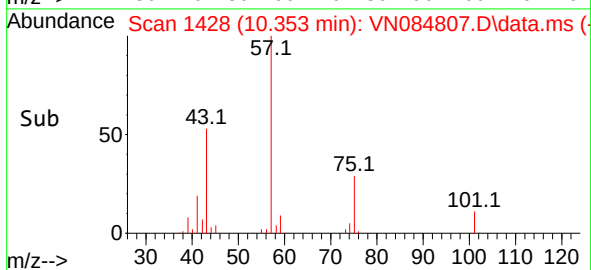
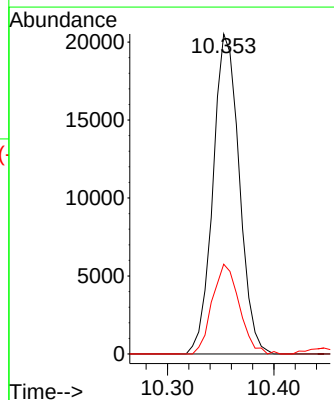
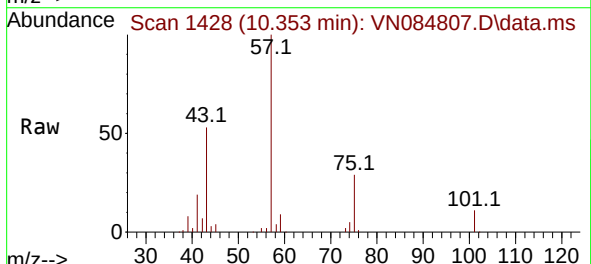
Instrument :
MSVOA_N
ClientSampleId :

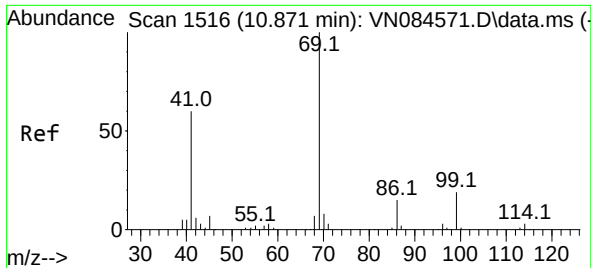
Tgt Ion: 43 Resp: 4081
Ion Ratio Lower Upper
43 100
58 45.8 31.6 47.4



#54
cis-1,3-Dichloropropene
Concen: 9.787 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

Tgt Ion: 75 Resp: 35141
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 28.0 38.7 58.1#

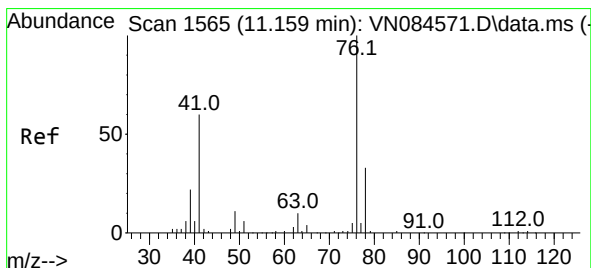
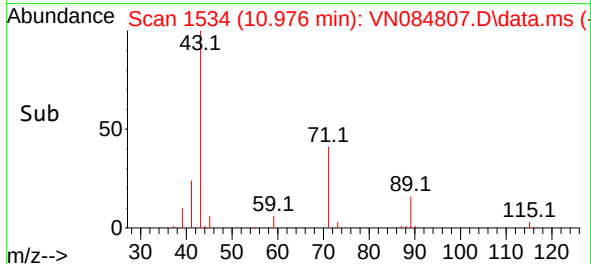
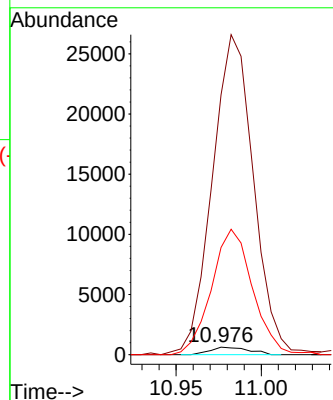
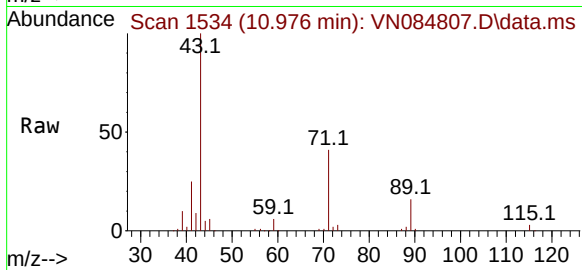




#56
Ethyl methacrylate
Concen: 0.330 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

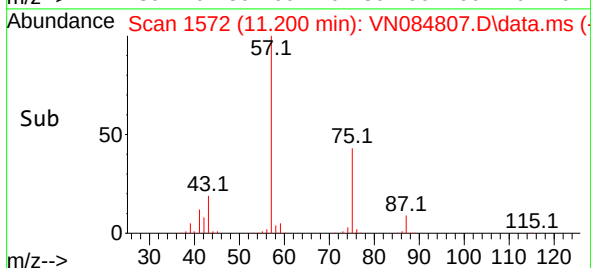
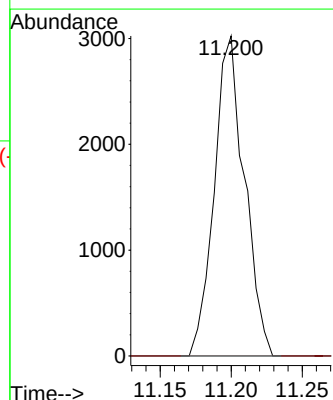
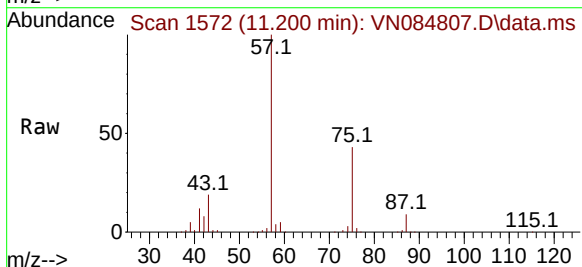
Instrument :
MSVOA_N
ClientSampleId :

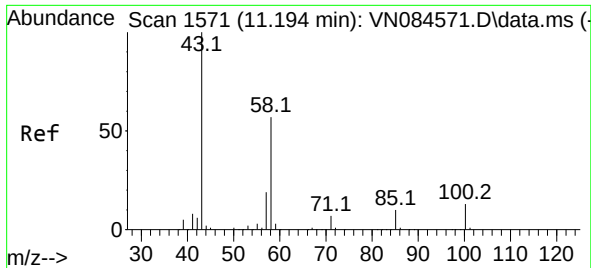
Tgt Ion: 69 Resp: 987
Ion Ratio Lower Upper
69 100
41 4551.3 53.3 79.9#
39 1777.6 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.257 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

Tgt Ion: 76 Resp: 4464
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

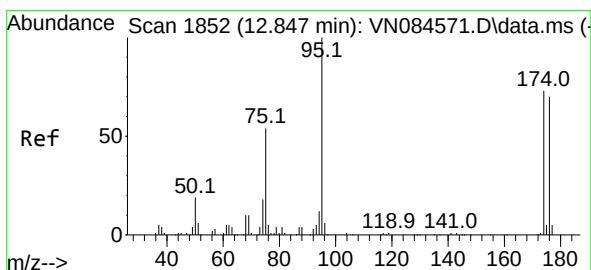
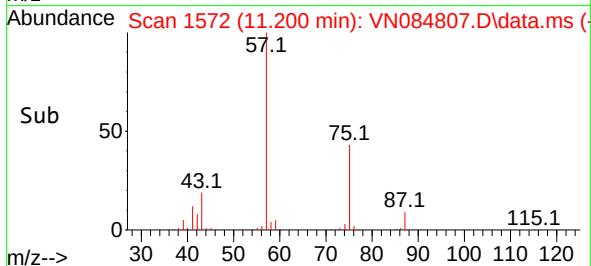
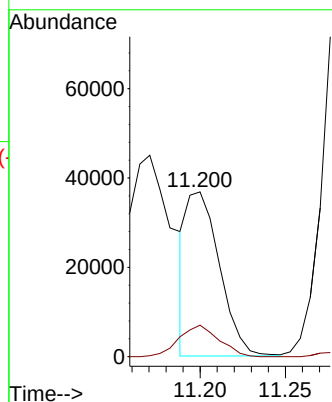
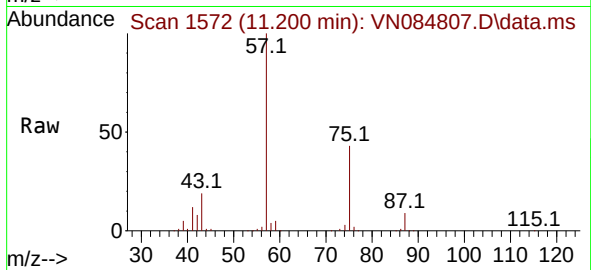




#59
2-Hexanone
Concen: 26.797 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.006 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

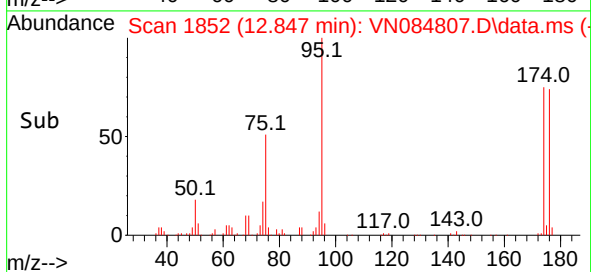
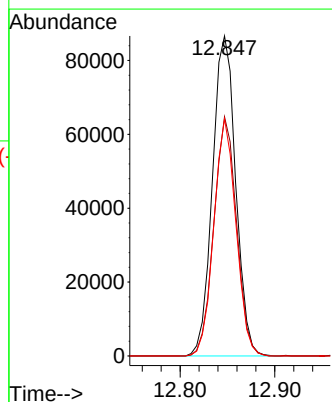
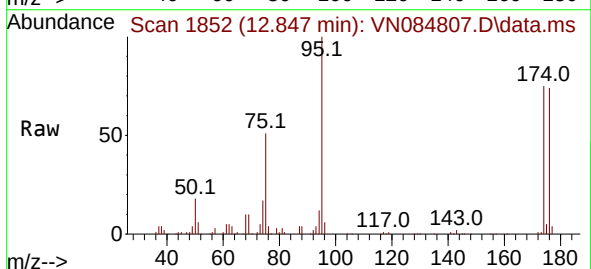
Instrument :
MSVOA_N
ClientSampleId :

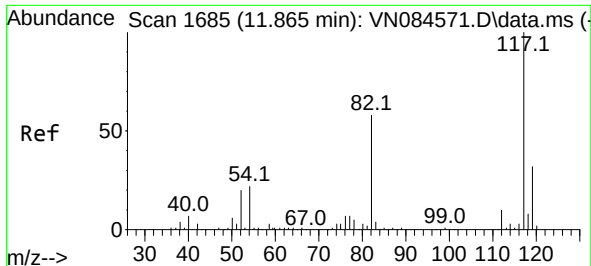
Tgt Ion: 43 Resp: 49345
Ion Ratio Lower Upper
43 100
58 23.3 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 50.827 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

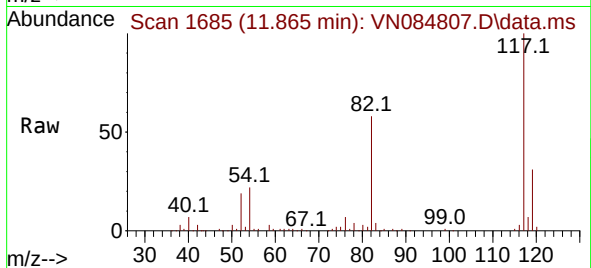
Tgt Ion: 95 Resp: 147575
Ion Ratio Lower Upper
95 100
174 73.1 0.0 145.2
176 70.7 0.0 140.0



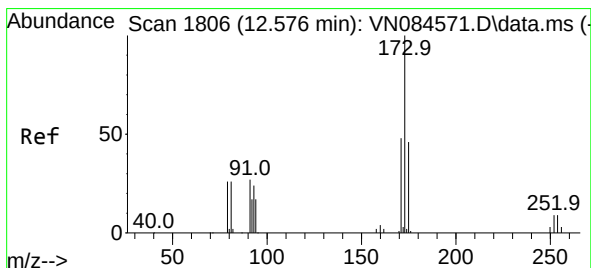
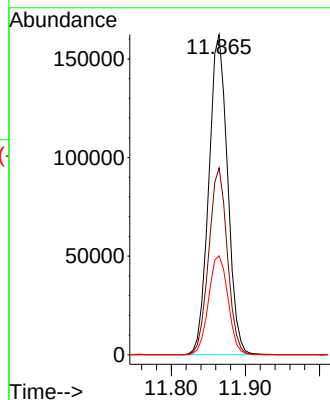
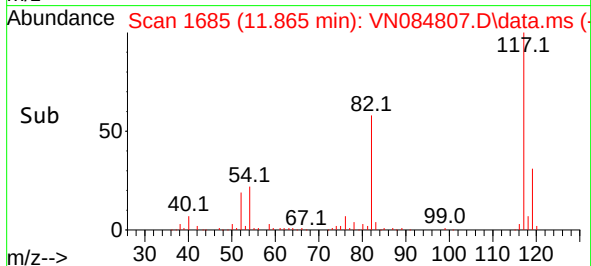


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

Instrument :
MSVOA_N
ClientSampleId :

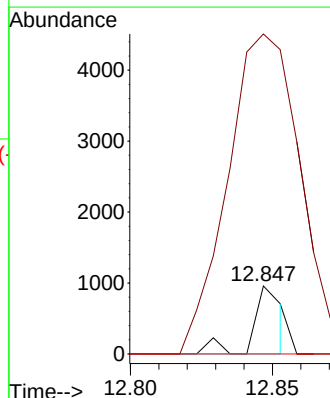
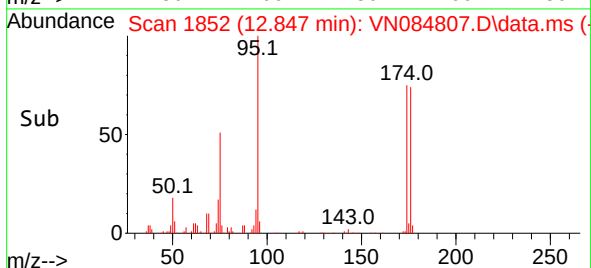
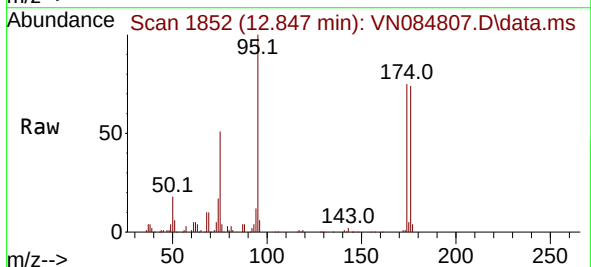


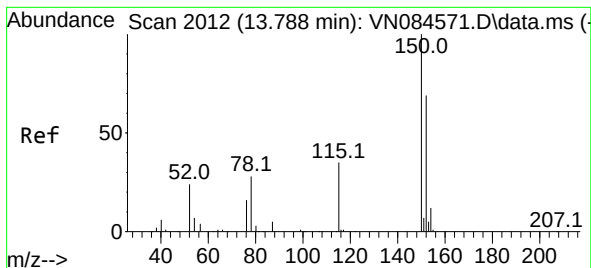
Tgt Ion:117 Resp: 285327
Ion Ratio Lower Upper
117 100
82 58.4 47.2 70.8
119 30.9 25.4 38.0



#71
Bromoform
Concen: 0.400 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

Tgt Ion:173 Resp: 669
Ion Ratio Lower Upper
173 100
175 932.9 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 MSVOA_N

Lab File: VN084807.D

Acq: 12 Nov 2024 19:38

Instrument :

MSVOA_N

ClientSampleId :

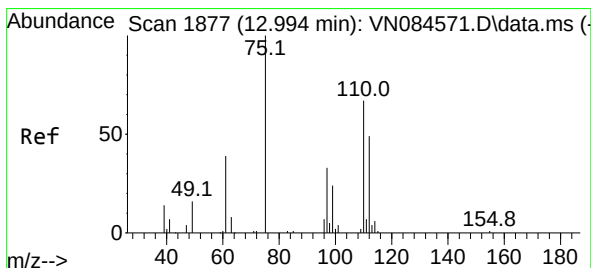
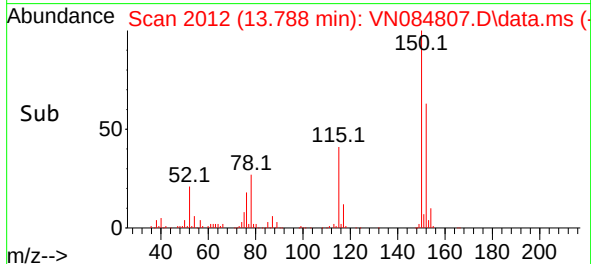
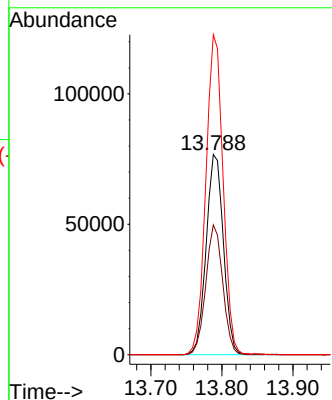
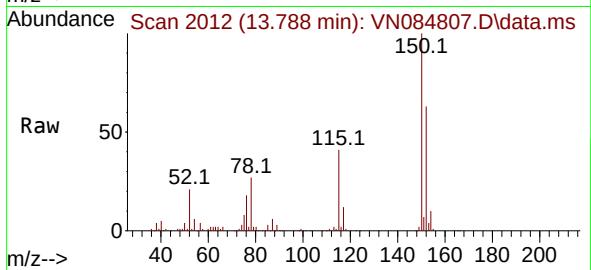
Tgt Ion:152 Resp: 130030

Ion Ratio Lower Upper

152 100

115 63.6 31.3 93.9

150 158.4 0.0 349.8



#76

1,2,3-Trichloropropane

Concen: 29.147 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084807.D

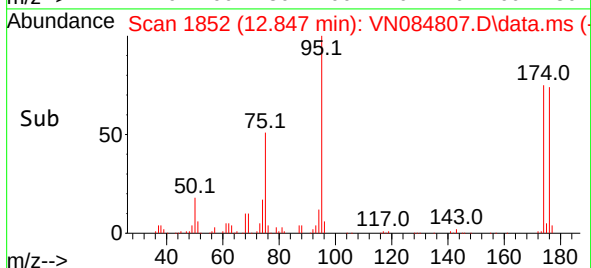
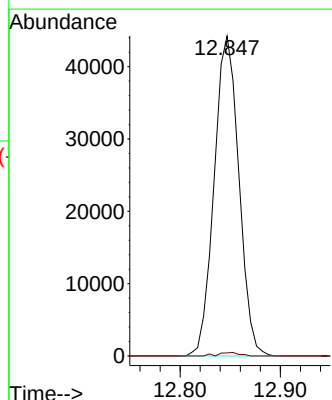
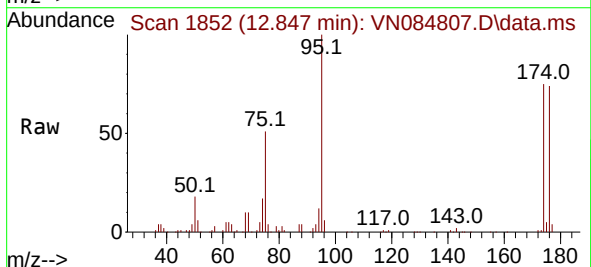
Acq: 12 Nov 2024 19:38

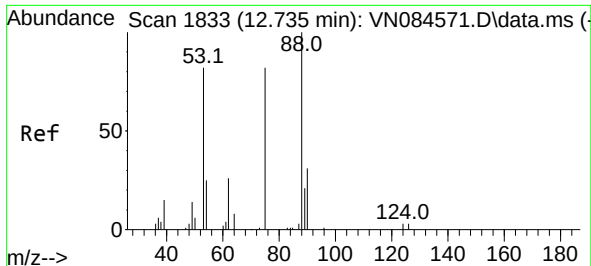
Tgt Ion: 75 Resp: 75760

Ion Ratio Lower Upper

75 100

77 0.9 96.9 290.7#

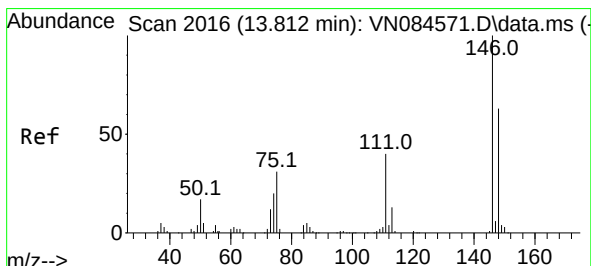
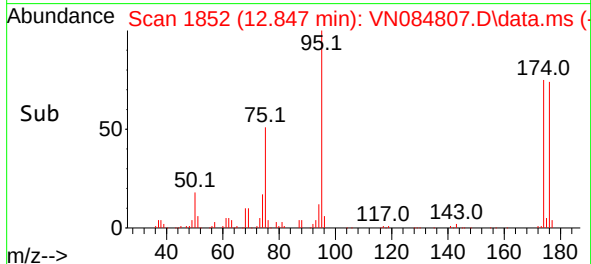
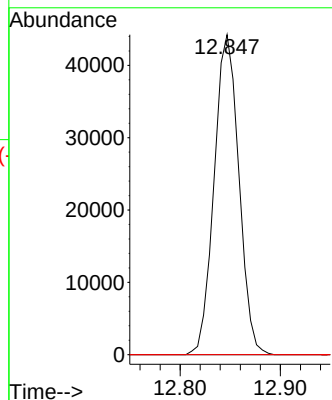
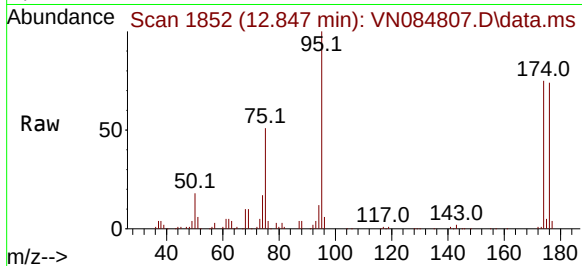




#81
trans-1,4-Dichloro-2-butene
Concen: 69.148 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

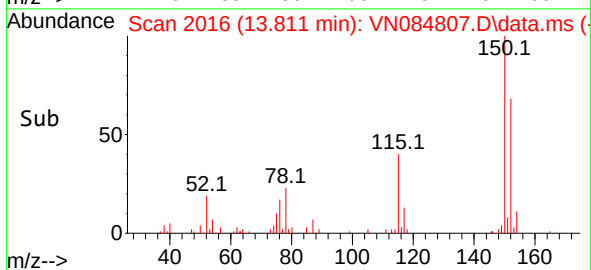
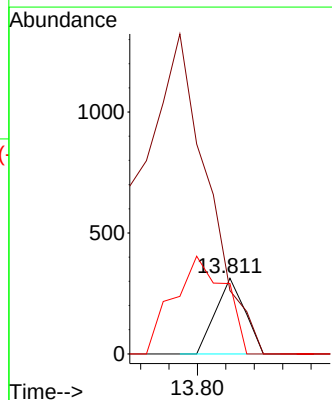
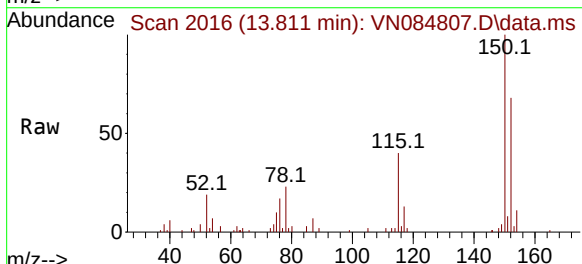
Instrument :
MSVOA_N
ClientSampleId :

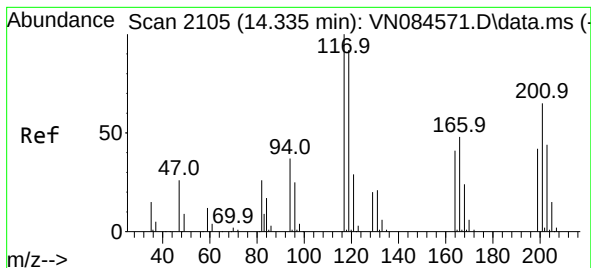
Tgt Ion: 75 Resp: 75760
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.811 min Scan# 2016
Delta R.T. -0.001 min
Lab File: VN084807.D
Acq: 12 Nov 2024 19:38

Tgt Ion:146 Resp: 223
Ion Ratio Lower Upper
146 100
111 971.7 21.2 63.6#
148 228.3 31.9 95.9#





#90

Hexachloroethane

Concen: 0.235 ug/l

RT: 14.447 min Scan# 2105

Delta R.T. 0.118 min

Lab File: VN084807.D

Acq: 12 Nov 2024 19:38

Instrument :

MSVOA_N

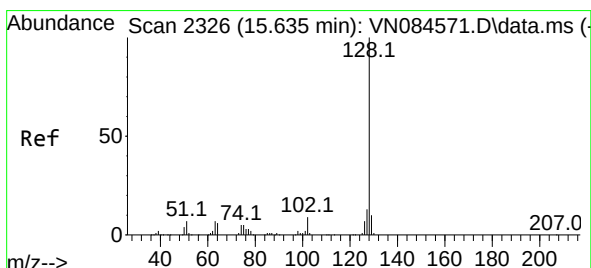
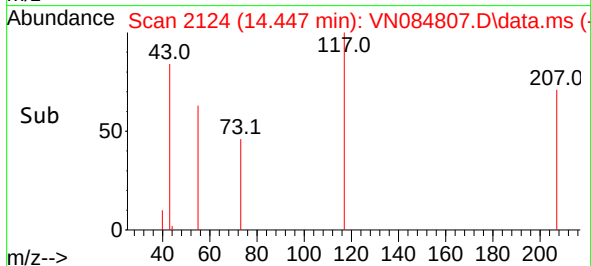
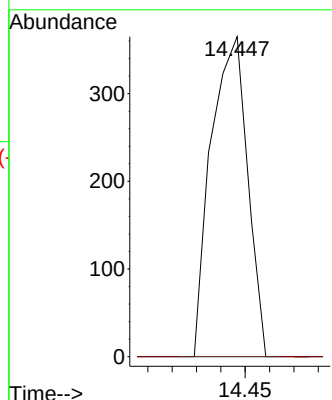
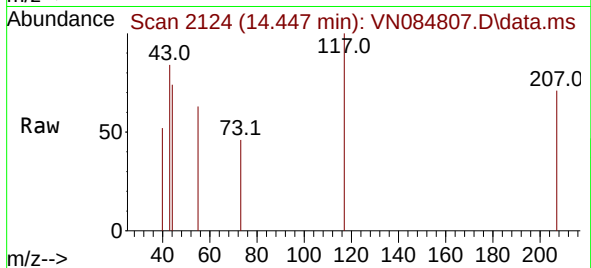
ClientSampleId :

Tgt Ion:117 Resp: 379

Ion Ratio Lower Upper

117 100

201 0.0 34.4 103.2#



#95

Naphthalene

Concen: 2.712 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN084807.D

Acq: 12 Nov 2024 19:38

Tgt Ion:128 Resp: 20413

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.6 8.7 13.1

