

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111224\
 Data File : VN084808.D
 Acq On : 12 Nov 2024 20:02
 Operator : JC\MD
 Sample : P4809-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 13 02:37:10 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)

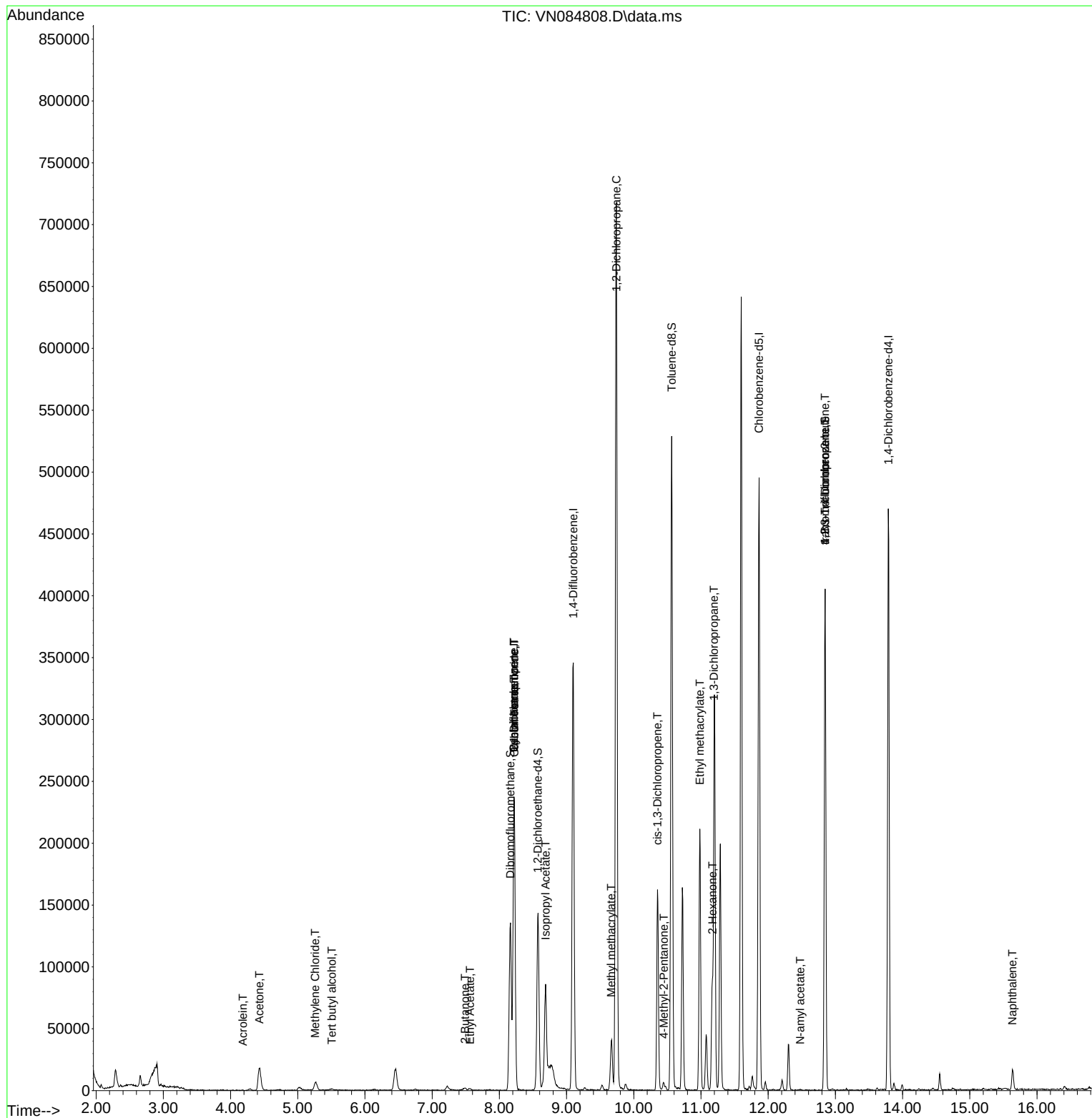
Internal Standards						
1) Pentafluorobenzene	8.218	168	174663	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306028	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	284145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	125511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	120128	47.618	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.240%
35) Dibromofluoromethane	8.165	113	97082	46.867	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.740%
50) Toluene-d8	10.565	98	365253	47.867	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.740%
62) 4-Bromofluorobenzene	12.847	95	143146	50.195	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	418	Below Cal	#	85
6) Chloroethane	3.024	64	251	Below Cal	#	45
11) Tert butyl alcohol	5.506	59	1173	3.523	ug/l #	73
13) Acrolein	4.183	56	159	0.479	ug/l #	59
16) Acetone	4.430	43	35323	46.147	ug/l	90
18) Methyl Acetate	5.036	43	4555	Below Cal	#	86
20) Methylene Chloride	5.259	84	5424	2.445	ug/l #	61
25) 2-Butanone	7.488	43	3639	3.092	ug/l	92
31) Cyclohexane	8.218	56	3752	1.077	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13926	4.847	ug/l #	52
37) Ethyl Acetate	7.565	43	2658	1.020	ug/l #	86
38) Carbon Tetrachloride	8.224	117	19208	5.982	ug/l #	14
43) Isopropyl Acetate	8.688	43	107480	21.776	ug/l #	88
45) 1,2-Dichloropropane	9.741	63	751	0.347	ug/l #	44
48) Methyl methacrylate	9.665	41	2785	1.373	ug/l #	38
51) 4-Methyl-2-Pentanone	10.447	43	7242	2.915	ug/l #	75
54) cis-1,3-Dichloropropene	10.353	75	30064	8.525	ug/l #	60
56) Ethyl methacrylate	10.982	69	750	0.255	ug/l #	1
57) 1,3-Dichloropropane	11.194	76	3586	1.028	ug/l #	42
59) 2-Hexanone	11.170	43	74352	41.110	ug/l #	24
74) N-amyl acetate	12.476	43	1026	0.274	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	74602	29.735	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74602	70.543	ug/l #	11
88) 1,4-Dichlorobenzene	13.811	146	64	Below Cal	#	1
95) Naphthalene	15.635	128	15965	2.198	ug/l	98

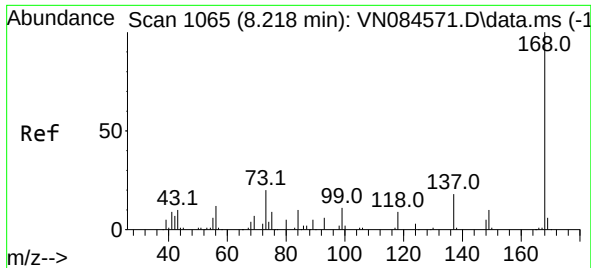
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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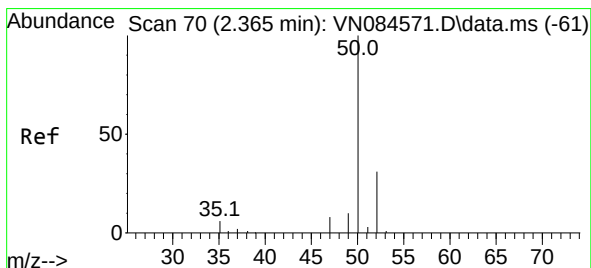
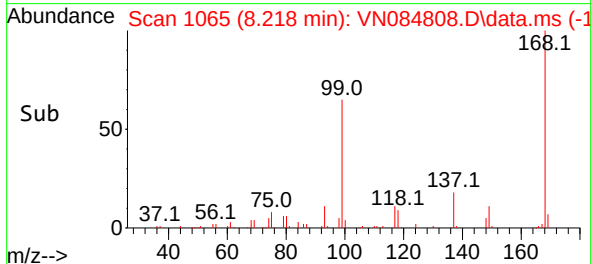
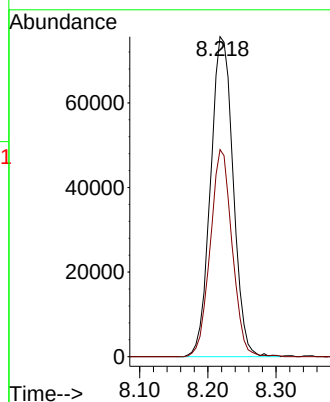
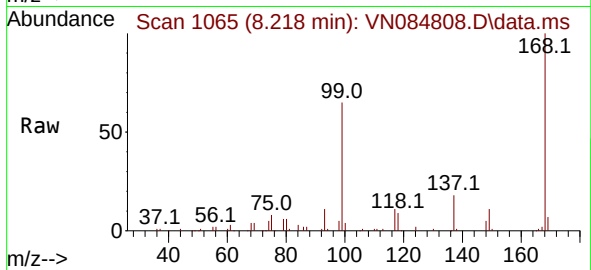




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

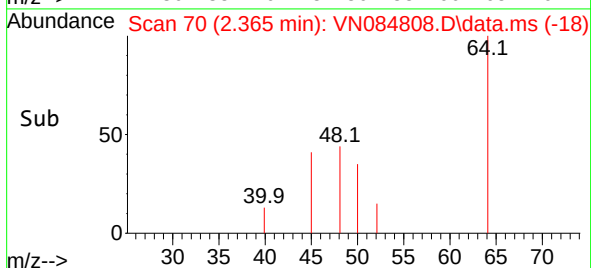
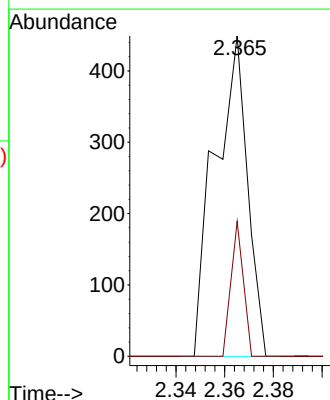
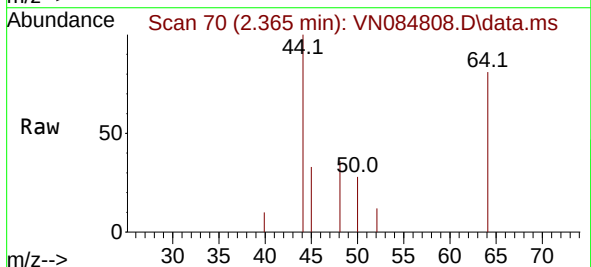
Instrument :
MSVOA_N
ClientSampleId :

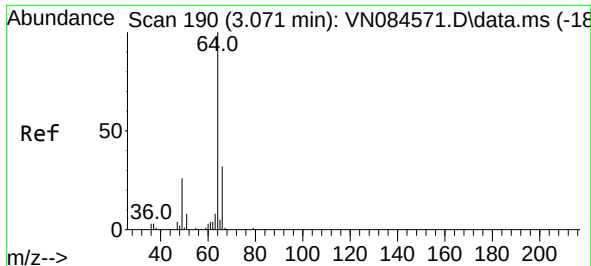
Tgt Ion:168 Resp: 174663
Ion Ratio Lower Upper
168 100
99 64.7 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

Tgt Ion: 50 Resp: 418
Ion Ratio Lower Upper
50 100
52 42.1 26.8 40.2#

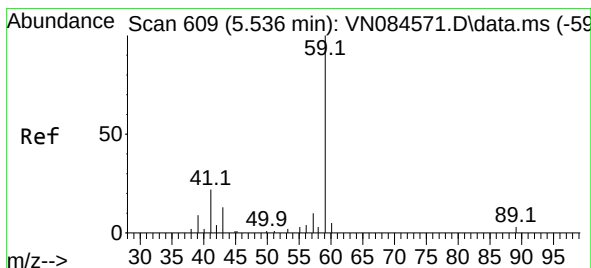
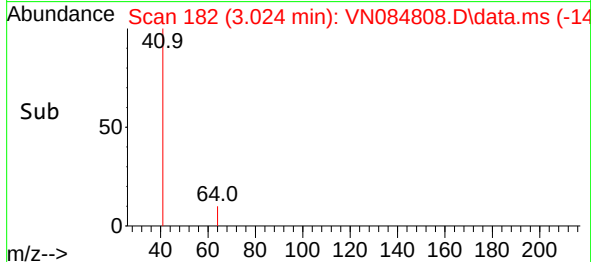
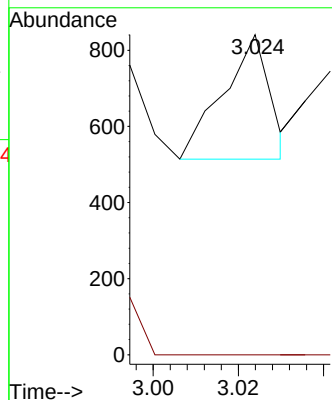
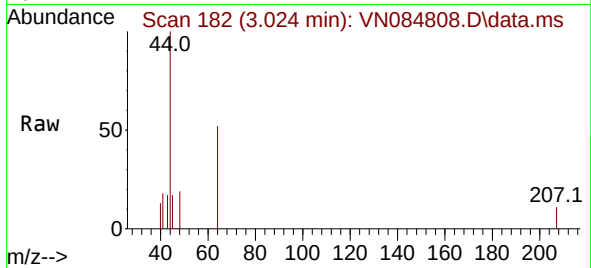




#6
Chloroethane
Concen: Below Cal
RT: 3.024 min Scan# 11
Delta R.T. -0.094 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

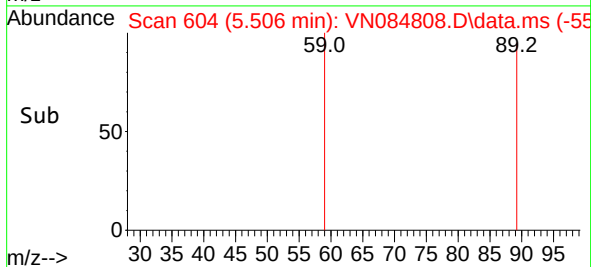
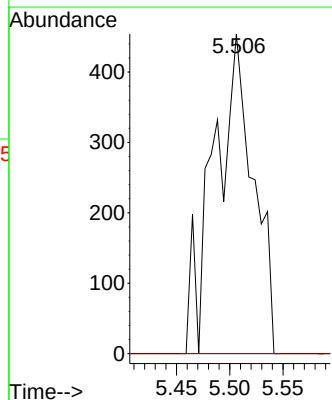
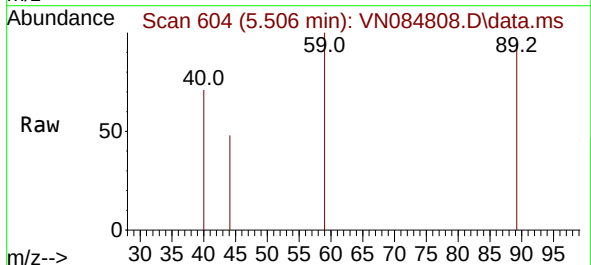
Instrument :
MSVOA_N
ClientSampleId :

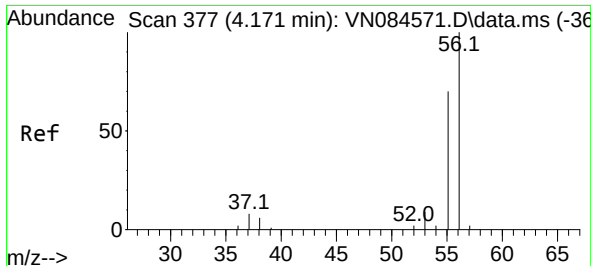
Tgt Ion: 64 Resp: 251
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 3.523 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.018 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

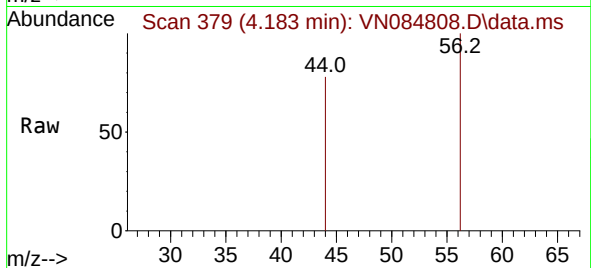
Tgt Ion: 59 Resp: 1173
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



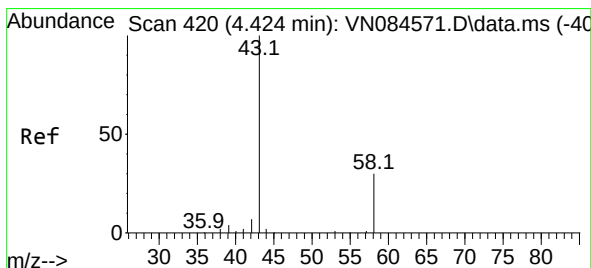
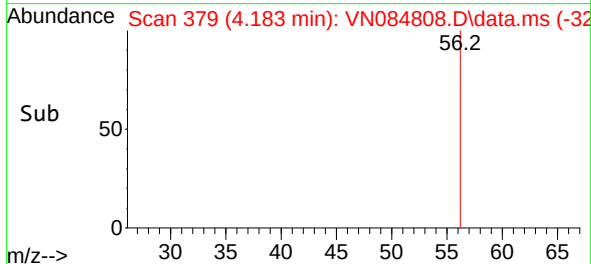
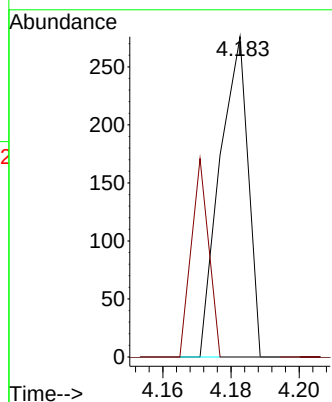


#13
Acrolein
Concen: 0.479 ug/l
RT: 4.183 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

Instrument :
MSVOA_N
ClientSampleId :

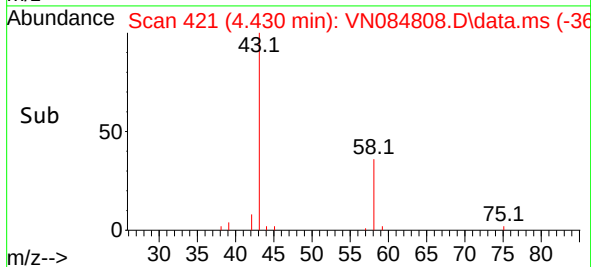
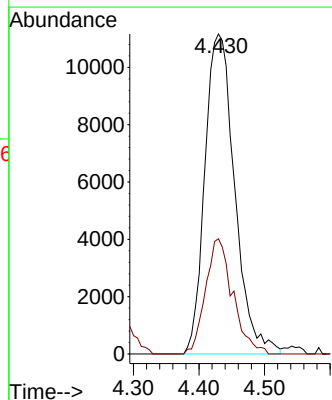
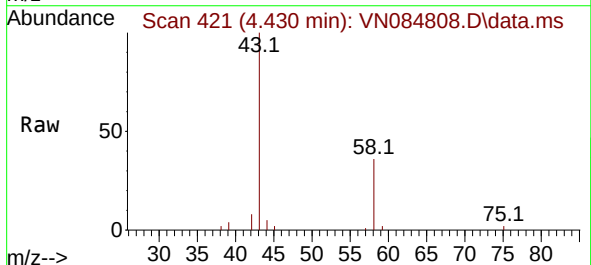


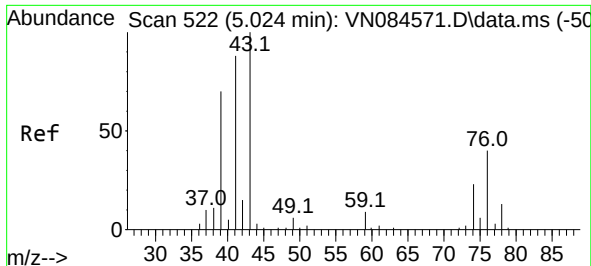
Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 37.7 57.2 85.8#



#16
Acetone
Concen: 46.147 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

Tgt Ion: 43 Resp: 35323
Ion Ratio Lower Upper
43 100
58 36.0 24.4 36.6

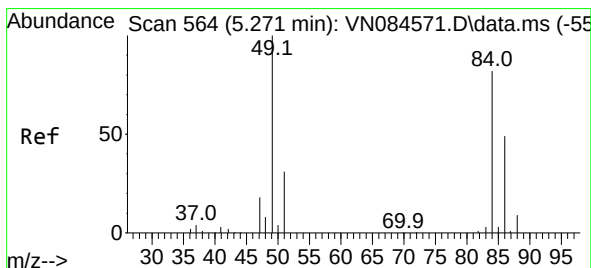
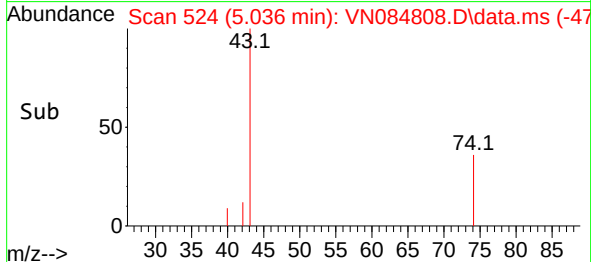
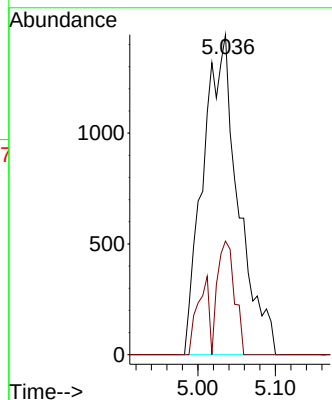
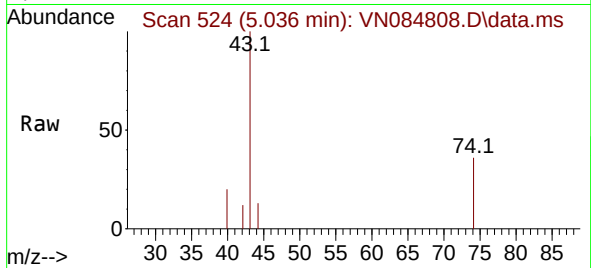




#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

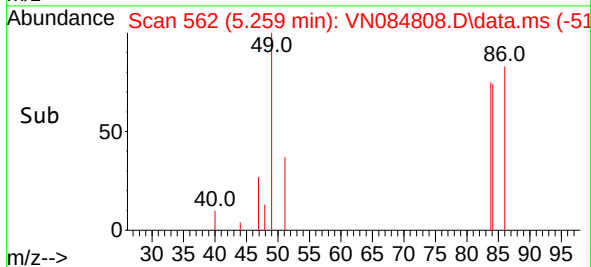
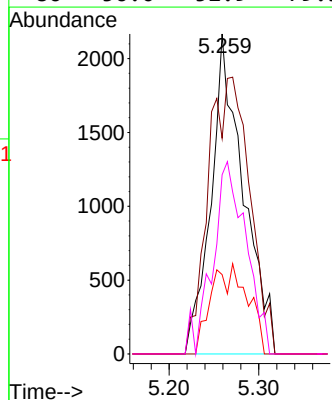
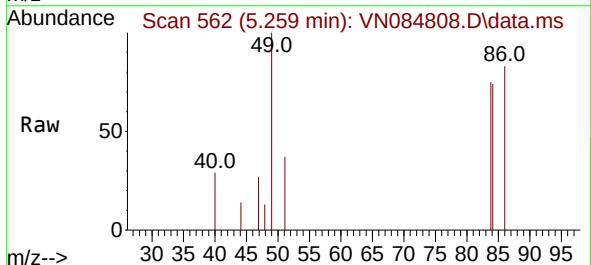
Instrument :
MSVOA_N
ClientSampleId :

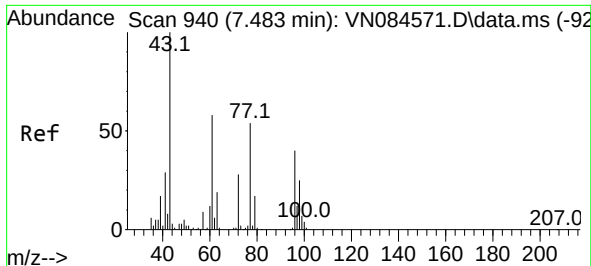
Tgt Ion: 43 Resp: 4555
Ion Ratio Lower Upper
43 100
74 17.1 19.2 28.8#



#20
Methylene Chloride
Concen: 2.445 ug/l
RT: 5.259 min Scan# 562
Delta R.T. -0.018 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

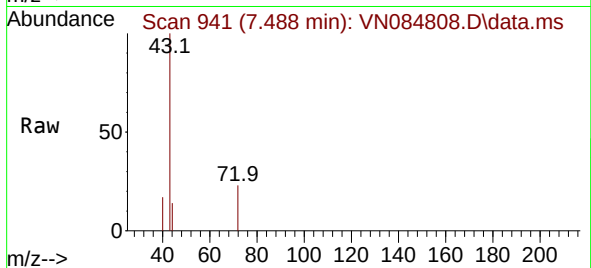
Tgt Ion: 84 Resp: 5424
Ion Ratio Lower Upper
84 100
49 67.4 107.2 160.8#
51 24.8 31.8 47.8#
86 56.0 52.9 79.3



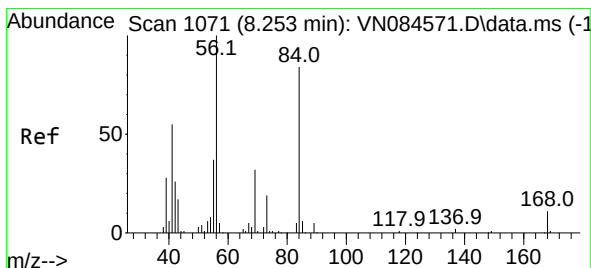
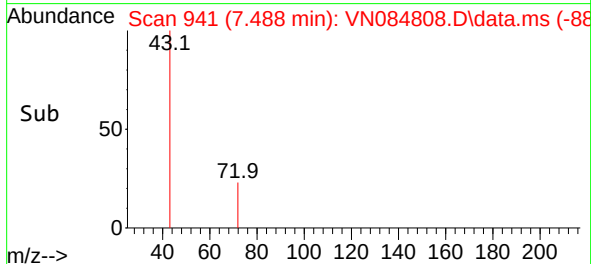
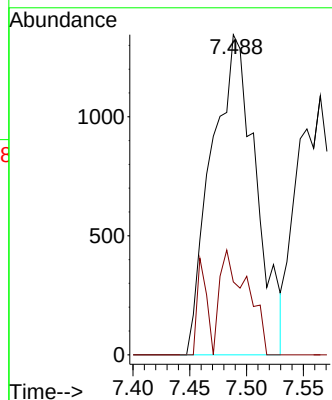


#25
2-Butanone
Concen: 3.092 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

Instrument :
MSVOA_N
ClientSampleId :

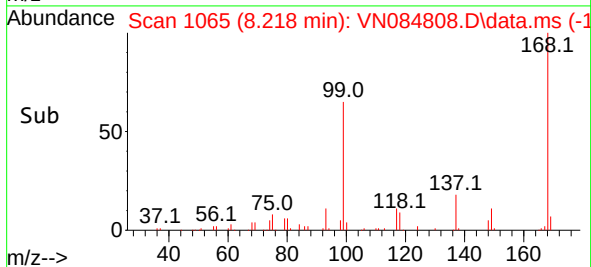
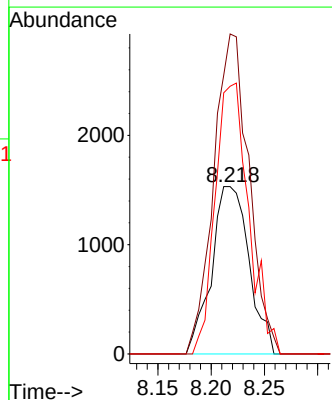
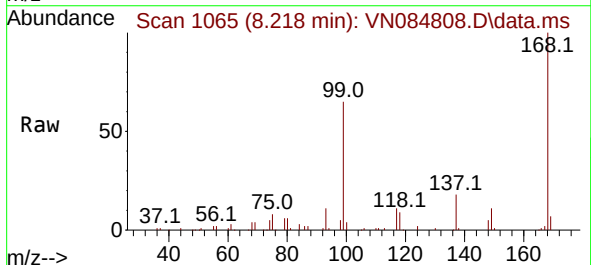


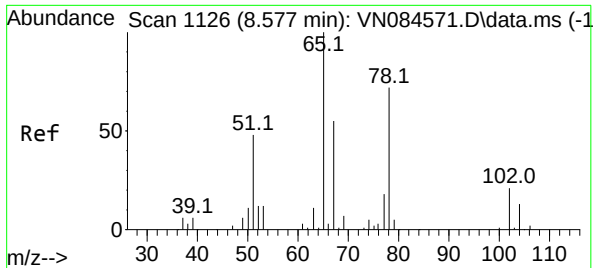
Tgt Ion: 43 Resp: 3639
Ion Ratio Lower Upper
43 100
72 22.8 21.4 32.2



#31
Cyclohexane
Concen: 1.077 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

Tgt Ion: 56 Resp: 3752
Ion Ratio Lower Upper
56 100
69 191.1 23.8 35.6#
84 159.9 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 47.618 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN084808.D

Acq: 12 Nov 2024 20:02

Instrument :

MSVOA_N

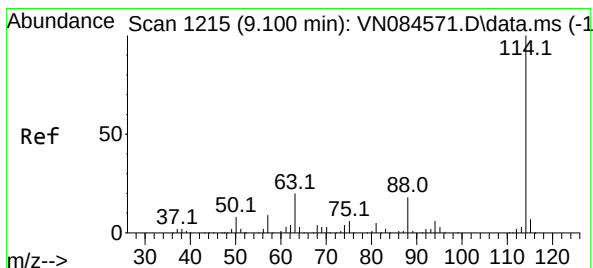
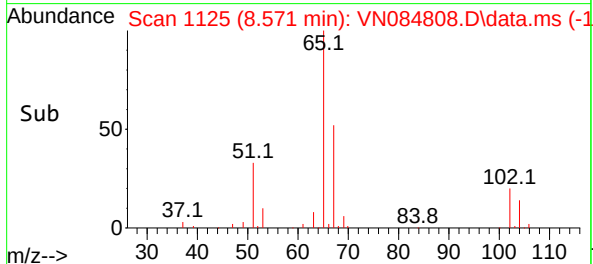
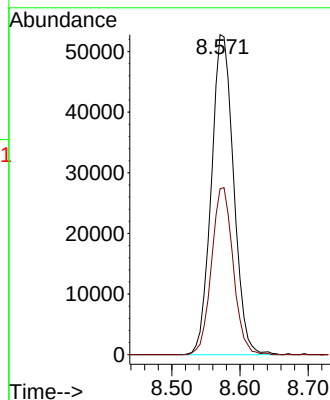
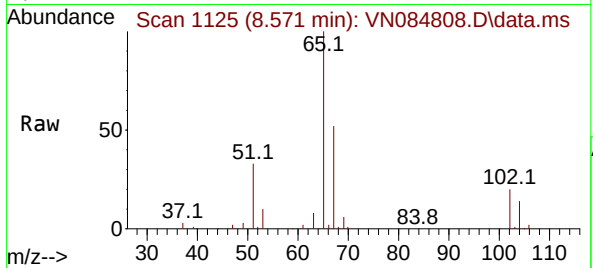
ClientSampleId :

Tgt Ion: 65 Resp: 120128

Ion Ratio Lower Upper

65 100

67 50.7 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: VN084808.D

Acq: 12 Nov 2024 20:02

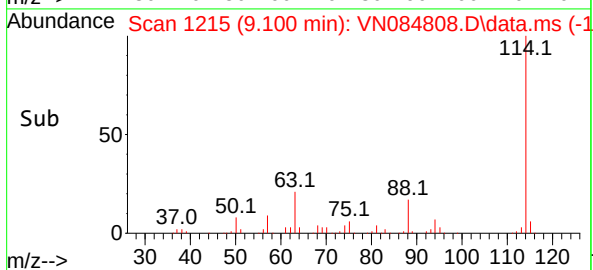
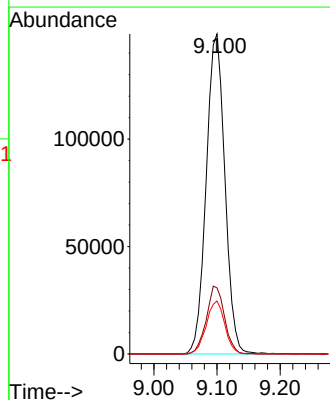
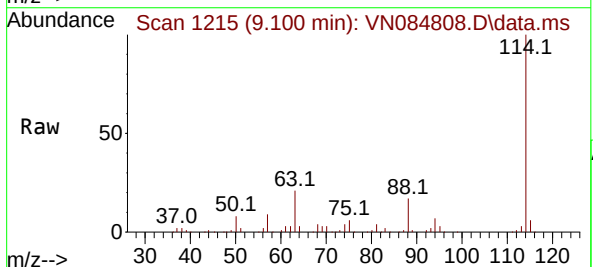
Tgt Ion: 114 Resp: 306028

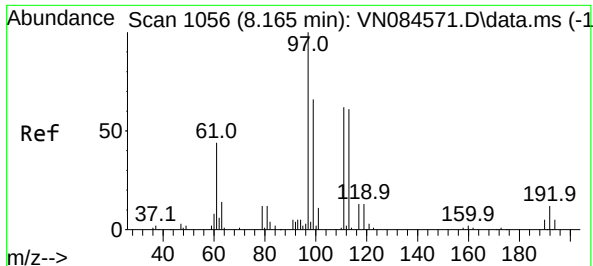
Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.8

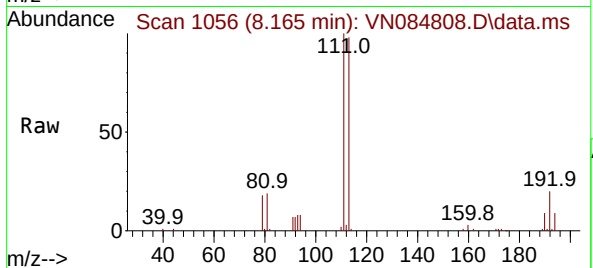
88 16.6 0.0 31.6



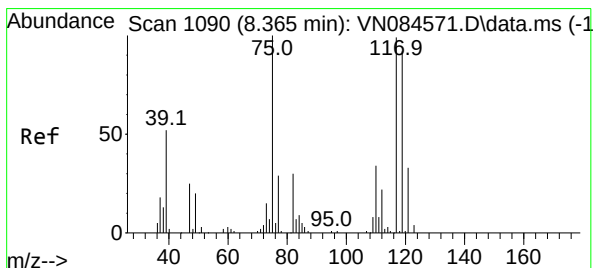
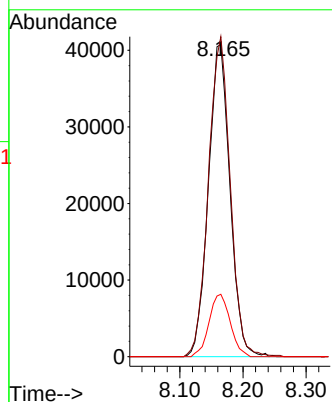
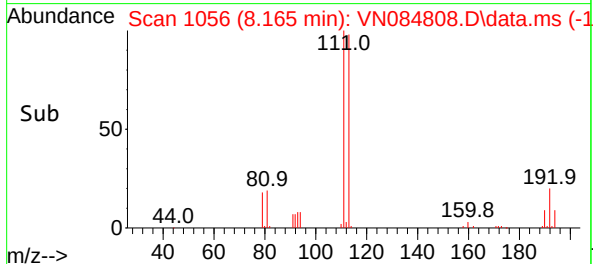


#35
Dibromofluoromethane
Concen: 46.867 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

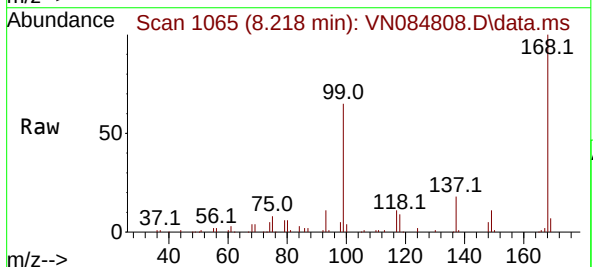
Instrument :
MSVOA_N
ClientSampleId :



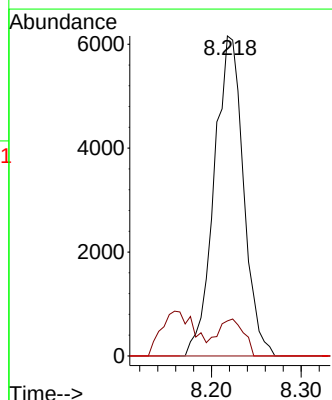
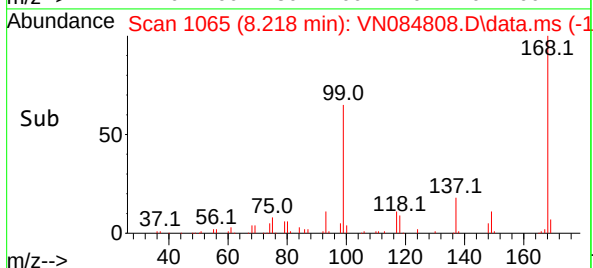
Tgt Ion:113 Resp: 97082
Ion Ratio Lower Upper
113 100
111 103.3 83.3 124.9
192 19.6 13.5 20.3

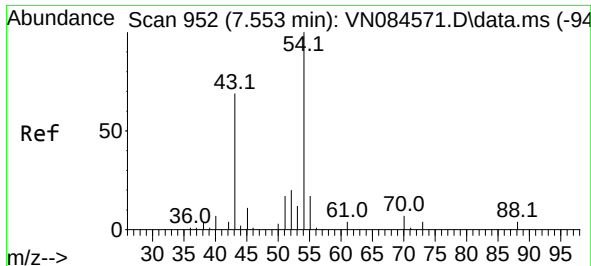


#36
1,1-Dichloropropene
Concen: 4.847 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02



Tgt Ion: 75 Resp: 13926
Ion Ratio Lower Upper
75 100
110 10.5 16.9 50.7#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.020 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

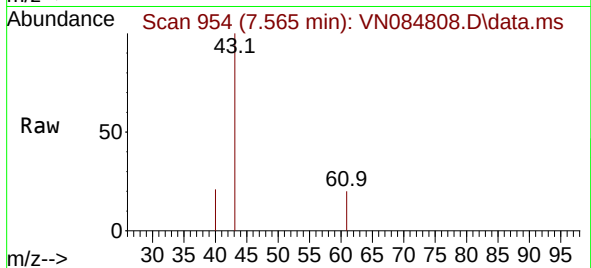
Lab File: VN084808.D

Acq: 12 Nov 2024 20:02

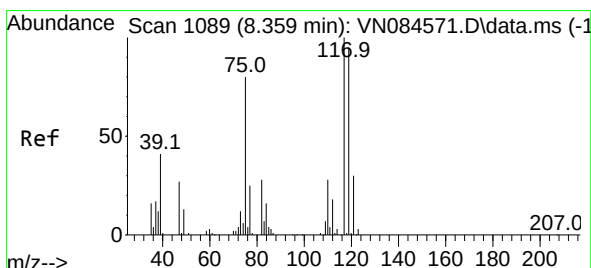
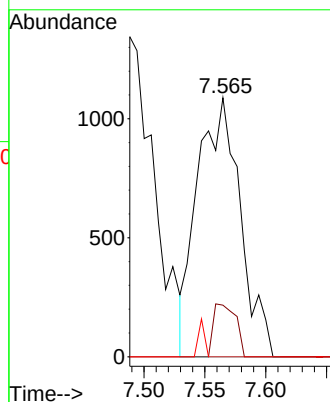
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2658
Ion	Ratio	Lower	Upper
43	100		
61	10.6	10.7	16.1#
70	2.1	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.982 ug/l

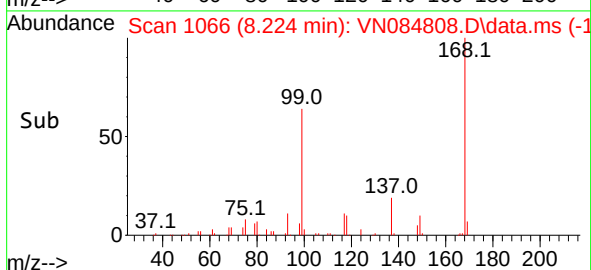
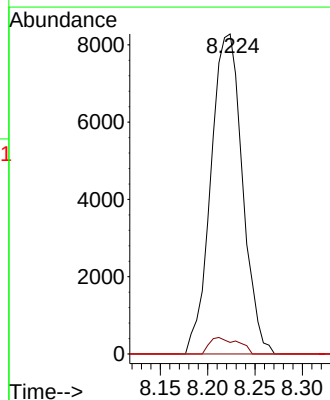
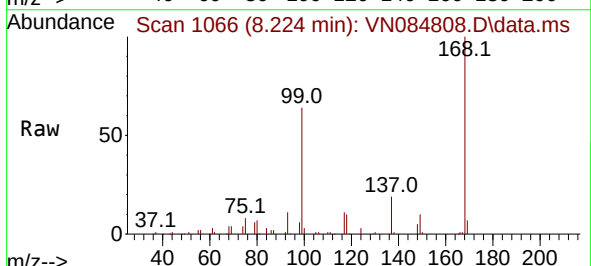
RT: 8.224 min Scan# 1066

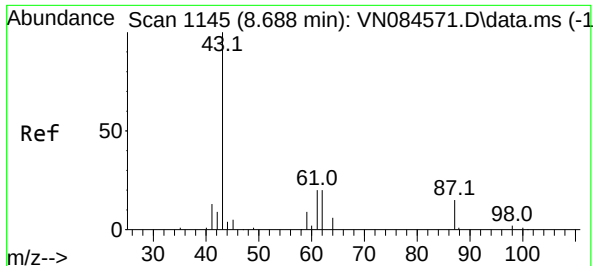
Delta R.T. -0.135 min

Lab File: VN084808.D

Acq: 12 Nov 2024 20:02

Tgt Ion:	117	Resp:	19208
Ion	Ratio	Lower	Upper
117	100		
119	3.6	78.7	118.1#
121	0.0	24.4	36.6#





#43

Isopropyl Acetate

Concen: 21.776 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084808.D

Acq: 12 Nov 2024 20:02

Instrument :

MSVOA_N

ClientSampleId :

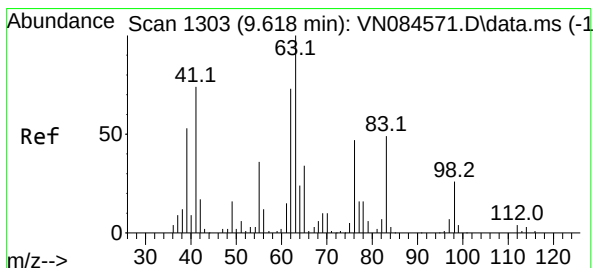
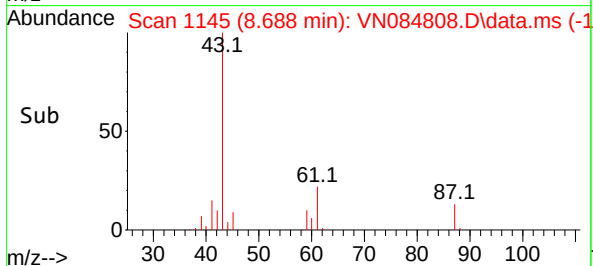
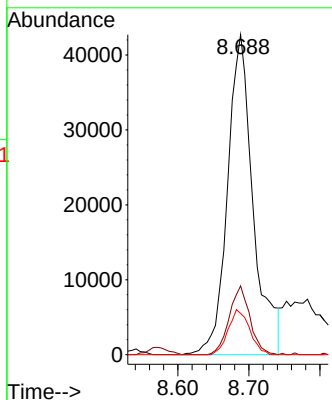
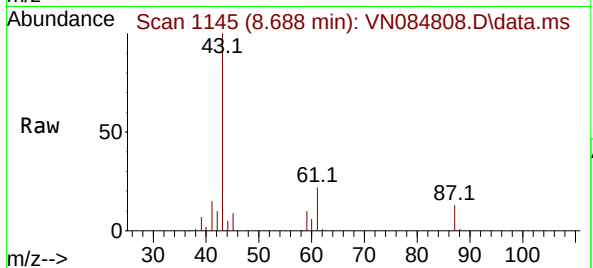
Tgt Ion: 43 Resp: 107480

Ion Ratio Lower Upper

43 100

61 17.4 20.4 30.6#

87 11.7 10.3 15.5



#45

1,2-Dichloropropane

Concen: 0.347 ug/l

RT: 9.741 min Scan# 1324

Delta R.T. 0.123 min

Lab File: VN084808.D

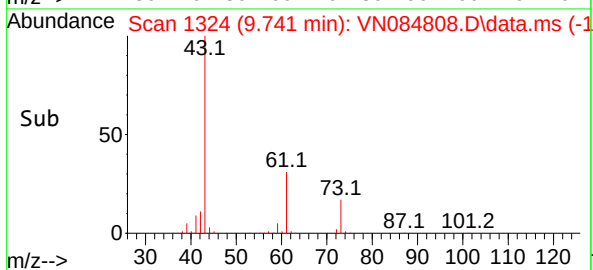
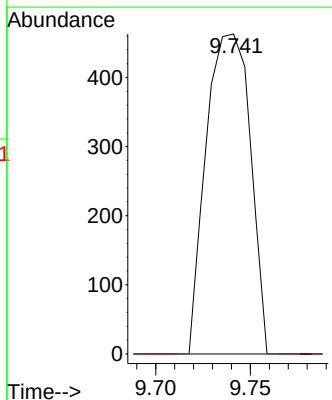
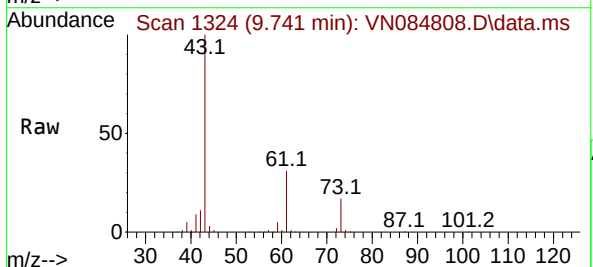
Acq: 12 Nov 2024 20:02

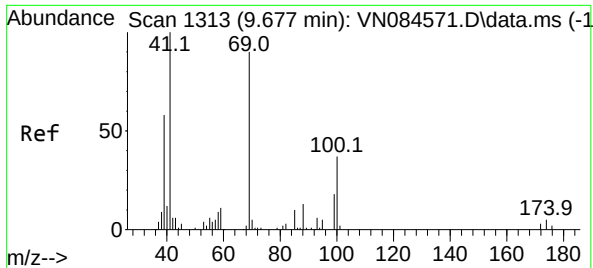
Tgt Ion: 63 Resp: 751

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#

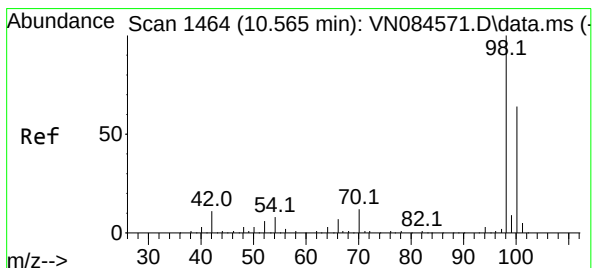
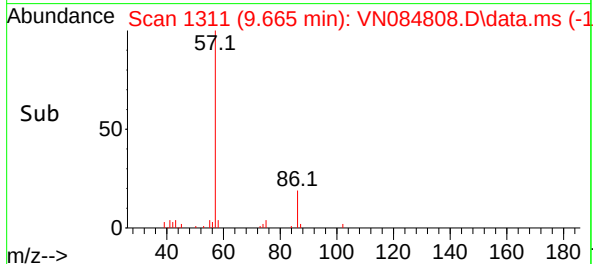
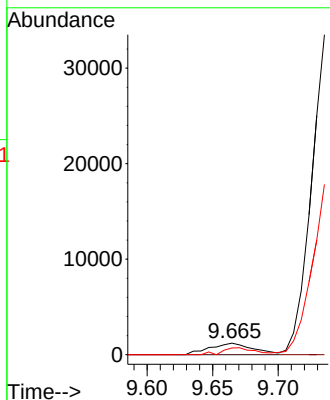
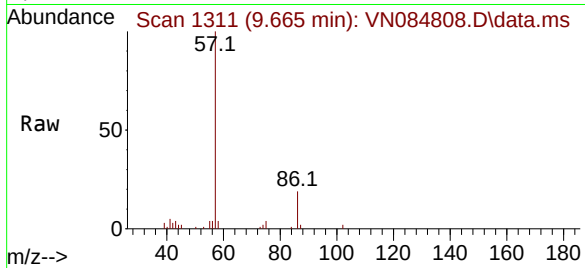




#48
Methyl methacrylate
Concen: 1.373 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.012 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

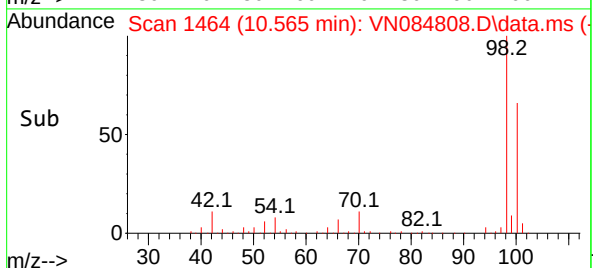
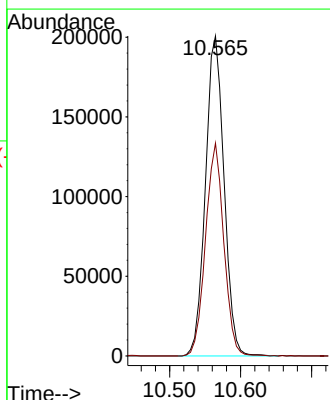
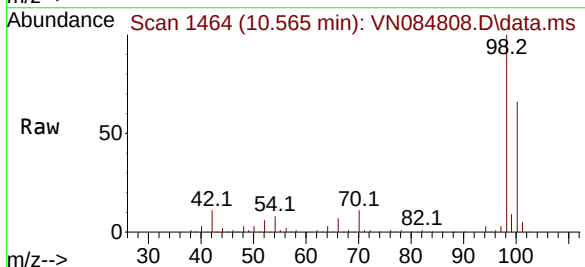
Instrument :
MSVOA_N
ClientSampleId :

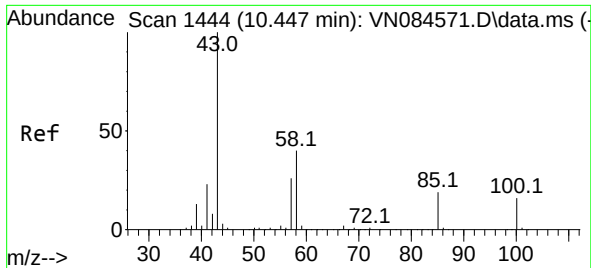
Tgt Ion: 41 Resp: 2785
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 44.1 45.8 68.6#



#50
Toluene-d8
Concen: 47.867 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

Tgt Ion: 98 Resp: 365253
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1

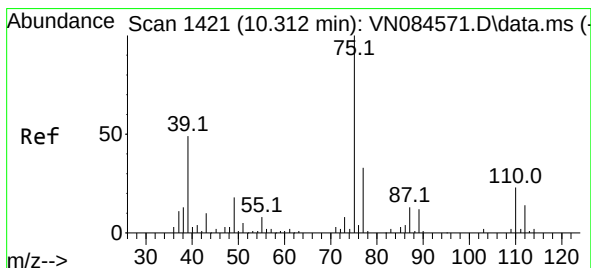
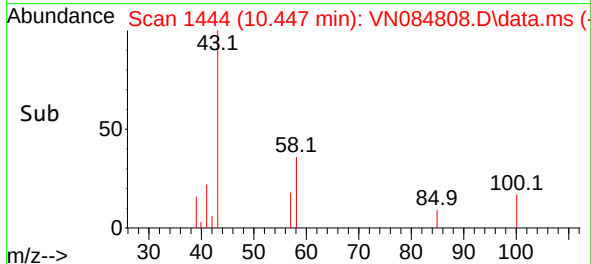
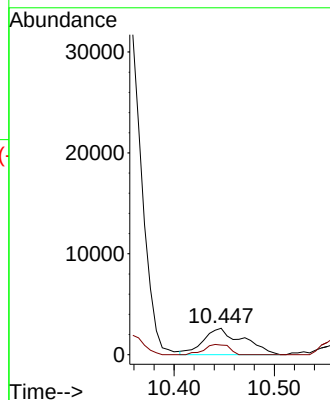
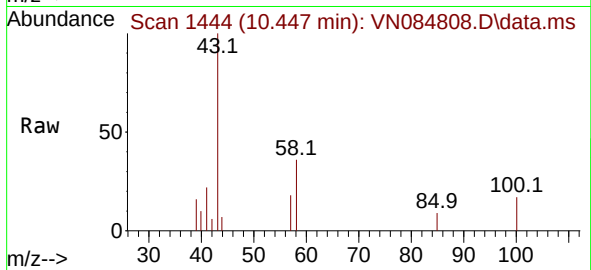




#51
4-Methyl-2-Pentanone
Concen: 2.915 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

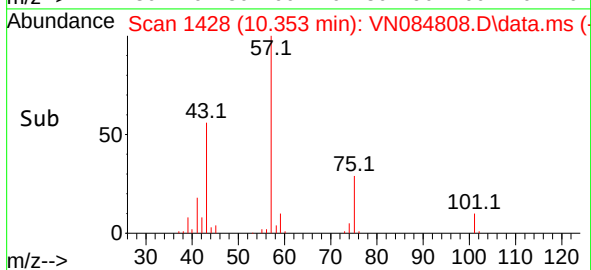
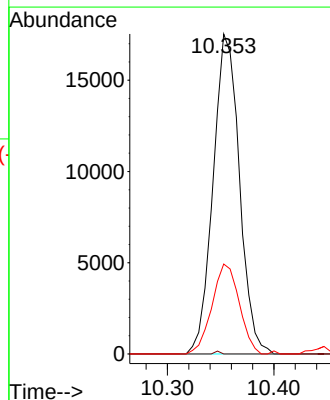
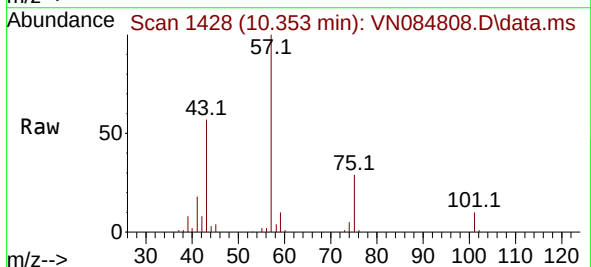
Instrument :
MSVOA_N
ClientSampleId :

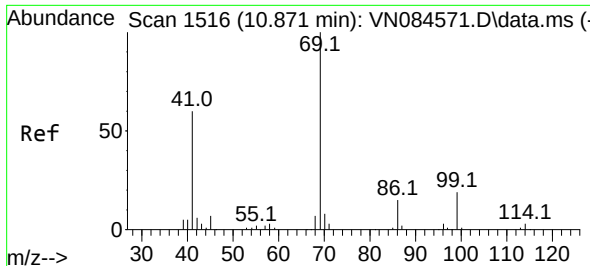
Tgt Ion: 43 Resp: 7242
Ion Ratio Lower Upper
43 100
58 24.2 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 8.525 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

Tgt Ion: 75 Resp: 30064
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 28.1 38.7 58.1#

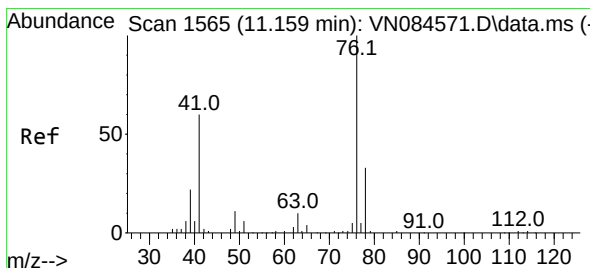
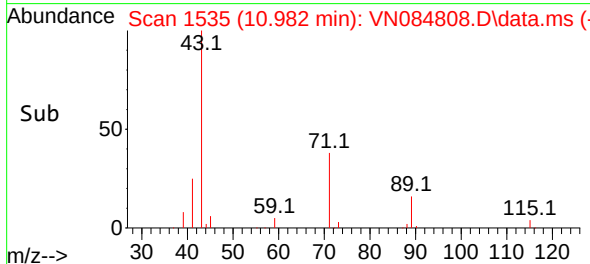
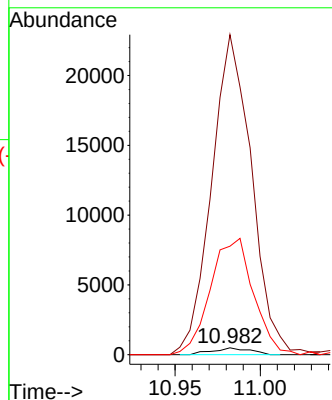
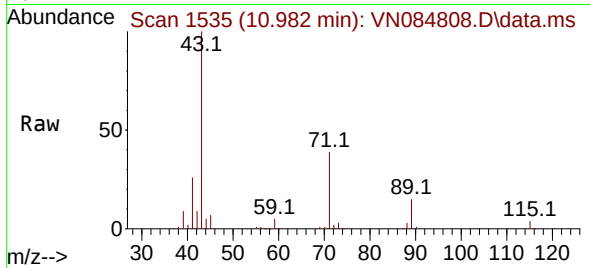




#56
Ethyl methacrylate
Concen: 0.255 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

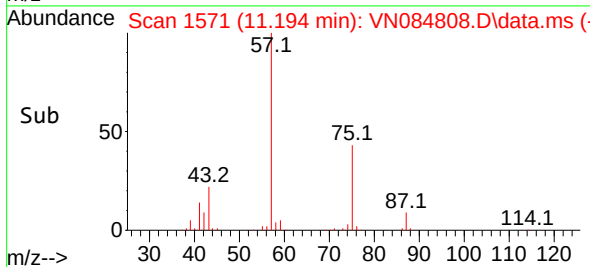
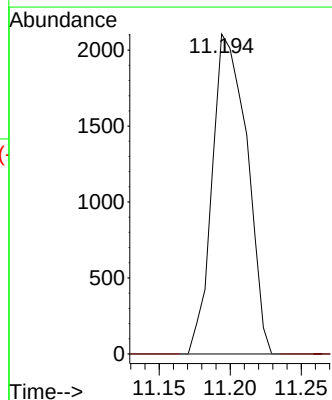
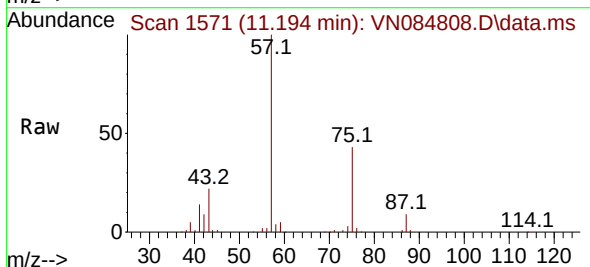
Instrument :
MSVOA_N
ClientSampleId :

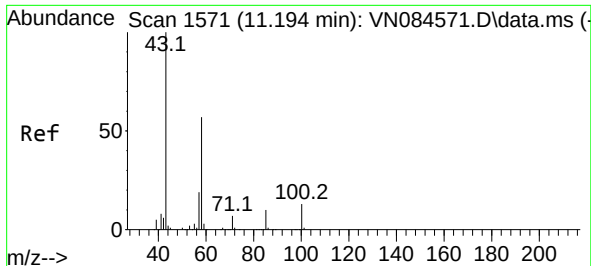
Tgt Ion: 69 Resp: 750
Ion Ratio Lower Upper
69 100
41 4993.7 53.3 79.9#
39 1948.7 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.028 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.035 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

Tgt Ion: 76 Resp: 3586
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

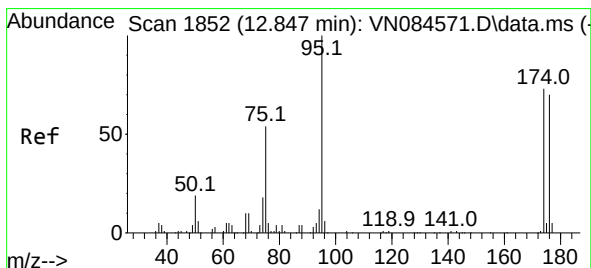
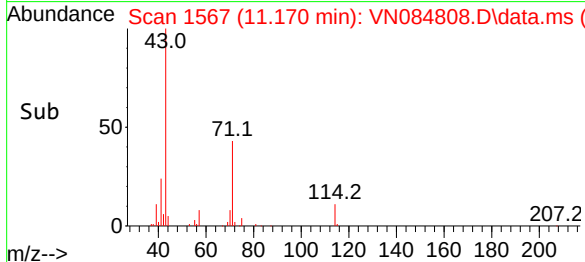
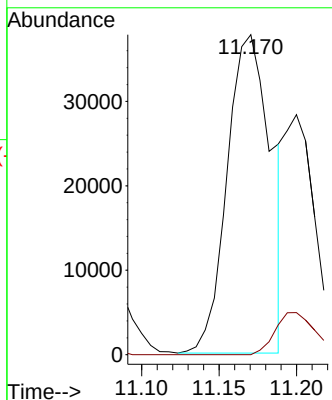
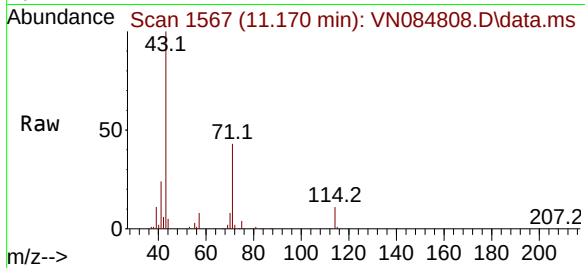




#59
2-Hexanone
Concen: 41.110 ug/l
RT: 11.170 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

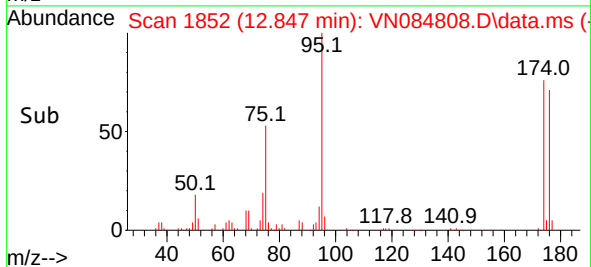
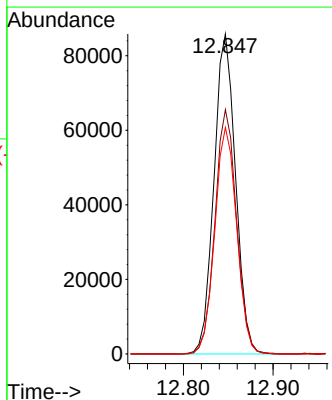
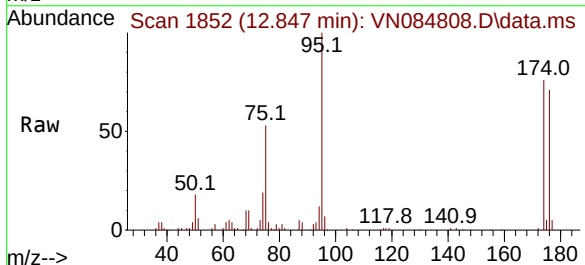
Instrument :
MSVOA_N
ClientSampleId :

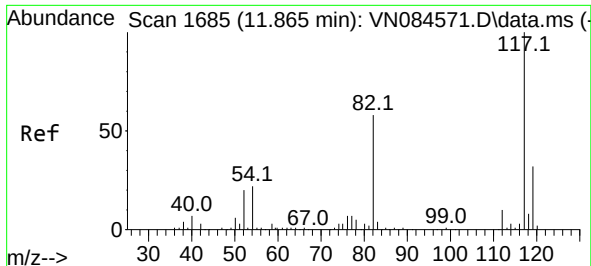
Tgt Ion: 43 Resp: 74352
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 50.195 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

Tgt Ion: 95 Resp: 143146
Ion Ratio Lower Upper
95 100
174 76.8 0.0 145.2
176 71.9 0.0 140.0

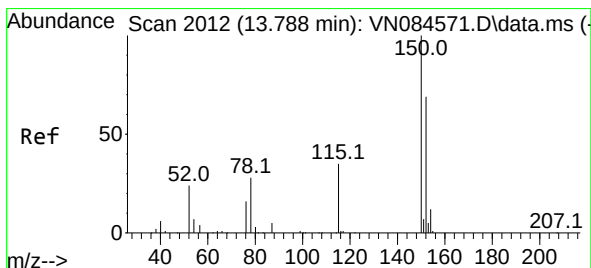
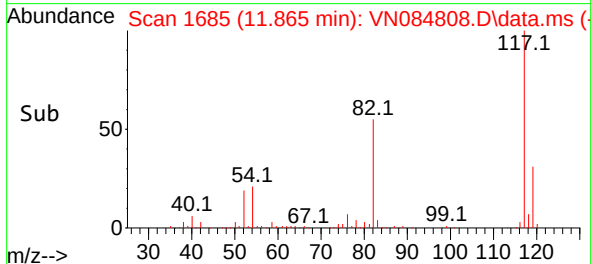
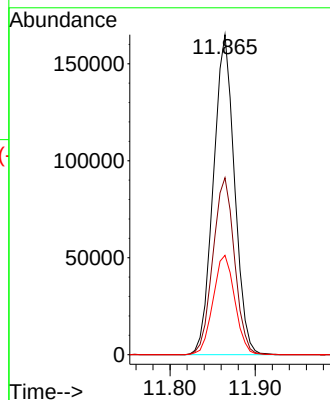
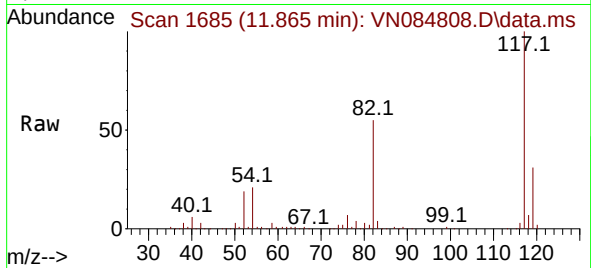




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

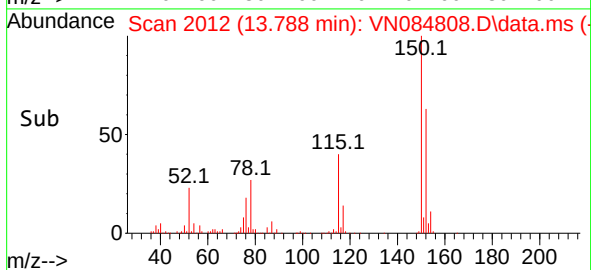
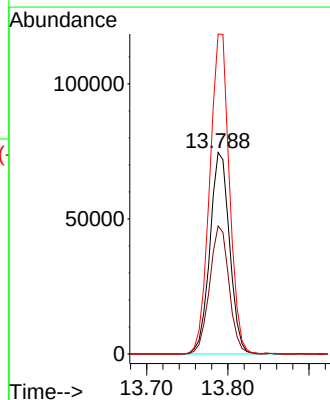
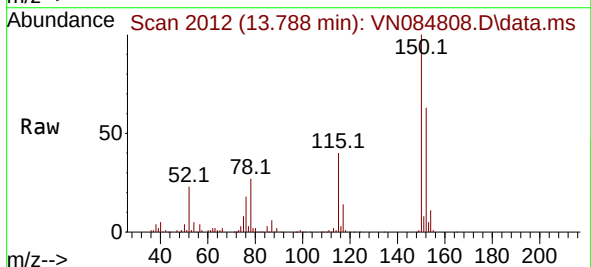
Instrument :
MSVOA_N
ClientSampleId :

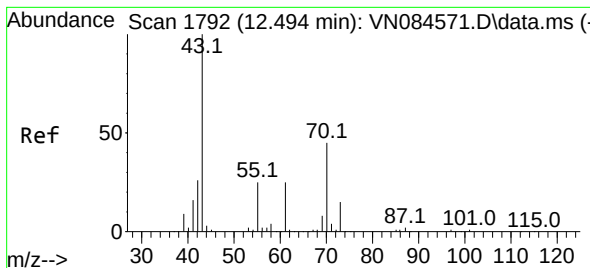
Tgt Ion:117 Resp: 284145
Ion Ratio Lower Upper
117 100
82 55.3 47.2 70.8
119 31.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

Tgt Ion:152 Resp: 125511
Ion Ratio Lower Upper
152 100
115 62.8 31.3 93.9
150 158.3 0.0 349.8





#74

N-amy1 acetate

Concen: 0.274 ug/l

RT: 12.476 min Scan# 1

Delta R.T. -0.018 min

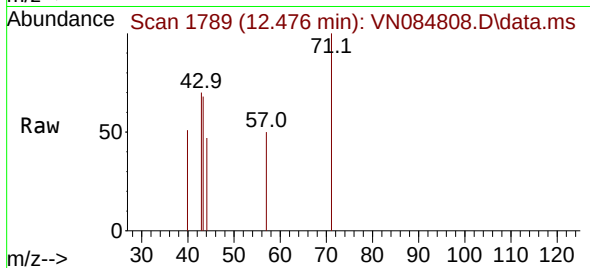
Lab File: VN084808.D

Acq: 12 Nov 2024 20:02

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1026

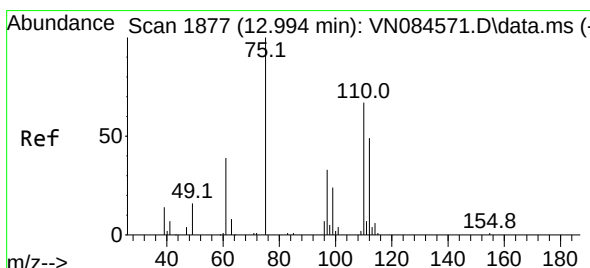
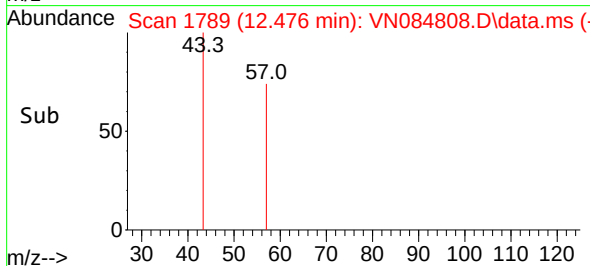
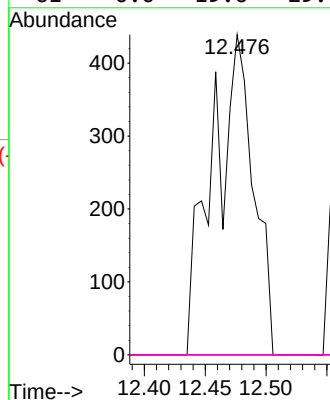
Ion Ratio Lower Upper

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: 29.735 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084808.D

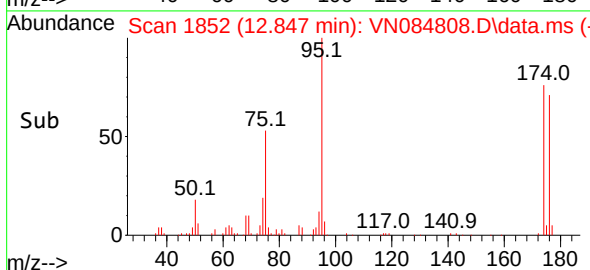
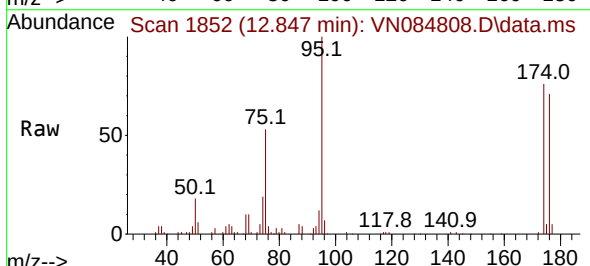
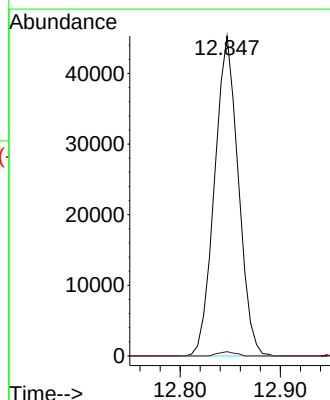
Acq: 12 Nov 2024 20:02

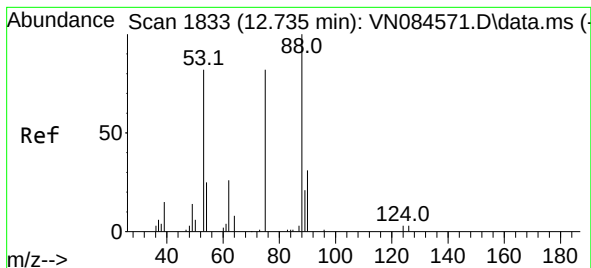
Tgt Ion: 75 Resp: 74602

Ion Ratio Lower Upper

75 100

77 1.0 96.9 290.7#

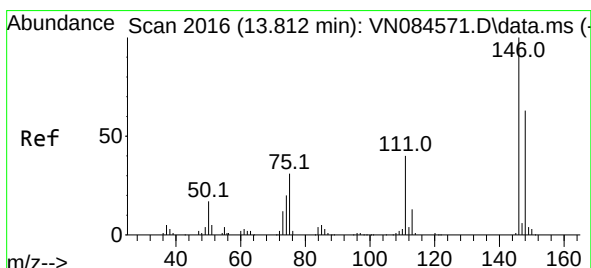
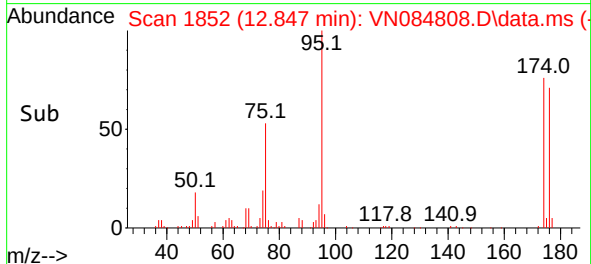
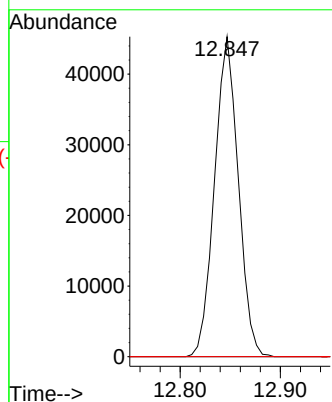
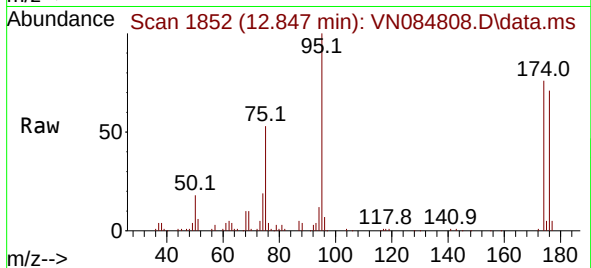




#81
trans-1,4-Dichloro-2-butene
Concen: 70.543 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

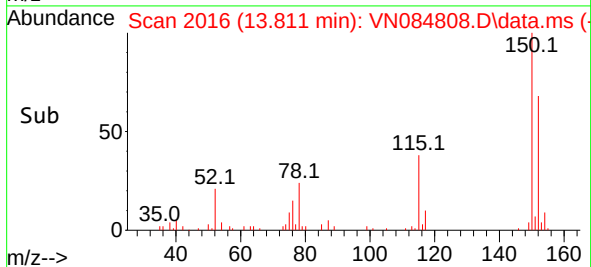
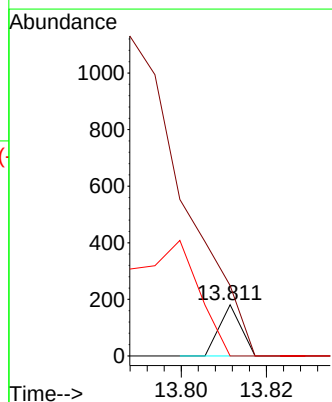
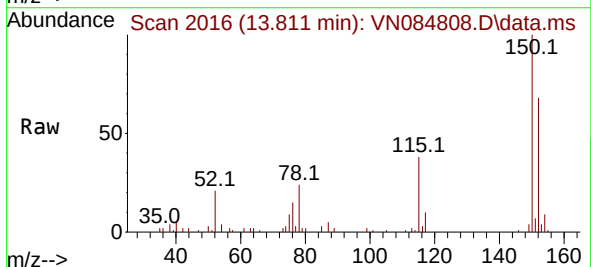
Instrument :
MSVOA_N
ClientSampleId :

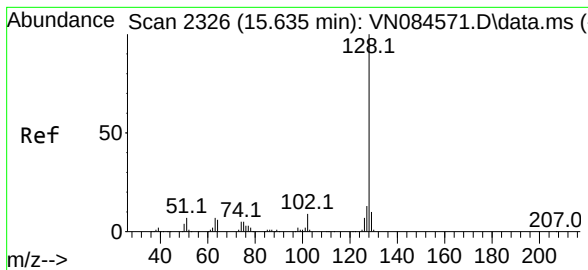
Tgt Ion: 75 Resp: 74602
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.811 min Scan# 2016
Delta R.T. -0.001 min
Lab File: VN084808.D
Acq: 12 Nov 2024 20:02

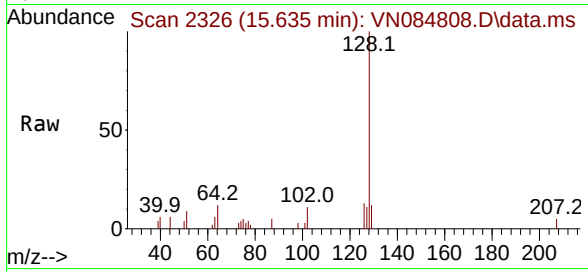
Tgt Ion:146 Resp: 64
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 670.3 31.9 95.9#





#95
 Naphthalene
 Concen: 2.198 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN084808.D
 Acq: 12 Nov 2024 20:02

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	15965
Ion Ratio	100	Lower	Upper
127	11.6	10.5	15.7
129	10.7	8.7	13.1

