

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
 Data File : VN084857.D
 Acq On : 14 Nov 2024 17:23
 Operator : JC\MD
 Sample : P4821-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 00:50:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

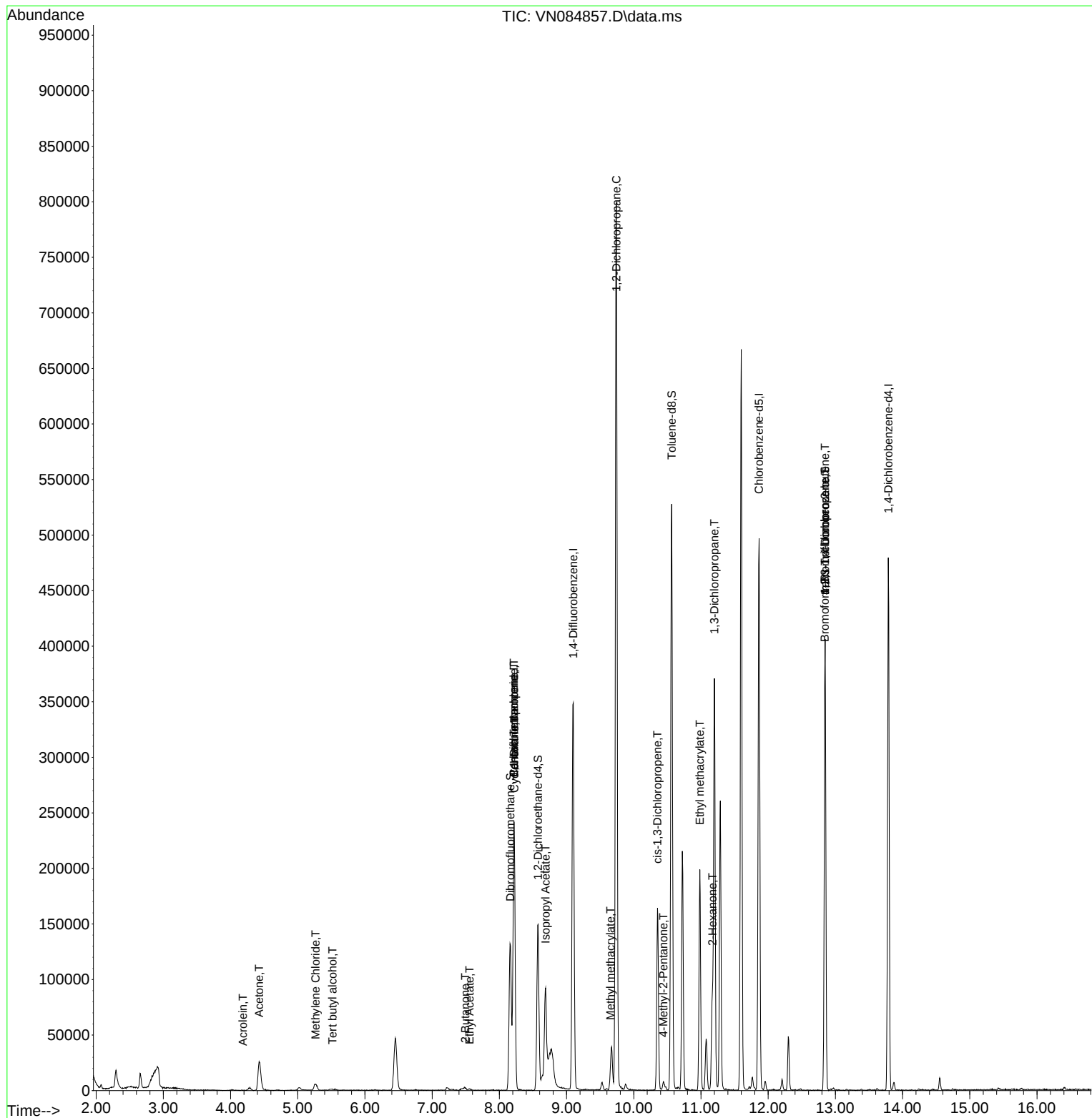
Internal Standards						
1) Pentafluorobenzene	8.218	168	175039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	307884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	289029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	122716	48.540	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.080%
35) Dibromofluoromethane	8.165	113	98473	47.252	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.500%
50) Toluene-d8	10.565	98	363263	47.320	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.640%
62) 4-Bromofluorobenzene	12.847	95	143644	50.066	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	100.140%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	433	Below Cal	#	41
6) Chloroethane	3.147	64	474	Below Cal	#	45
11) Tert butyl alcohol	5.518	59	758	2.271	ug/l #	73
13) Acrolein	4.183	56	113	0.340	ug/l #	74
16) Acetone	4.424	43	50087	66.491	ug/l	97
18) Methyl Acetate	5.030	43	5210	Below Cal	#	71
20) Methylene Chloride	5.265	84	4499	2.023	ug/l #	86
25) 2-Butanone	7.494	43	4408	3.737	ug/l #	87
31) Cyclohexane	8.224	56	3990	1.143	ug/l #	28
36) 1,1-Dichloropropene	8.218	75	13969	4.833	ug/l #	51
37) Ethyl Acetate	7.559	43	924	0.352	ug/l #	80
38) Carbon Tetrachloride	8.218	117	18303	5.666	ug/l #	15
43) Isopropyl Acetate	8.688	43	125878	25.511	ug/l #	84
45) 1,2-Dichloropropane	9.741	63	953	0.438	ug/l #	44
48) Methyl methacrylate	9.653	41	2555	1.252	ug/l #	39
51) 4-Methyl-2-Pentanone	10.441	43	8022	3.209	ug/l #	77
54) cis-1,3-Dichloropropene	10.353	75	30589	8.621	ug/l #	61
56) Ethyl methacrylate	10.982	69	965	0.326	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4134	1.178	ug/l #	42
59) 2-Hexanone	11.170	43	73002	40.120	ug/l #	24
71) Bromoform	12.841	173	750	0.443	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	74103	29.302	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74103	69.515	ug/l #	11

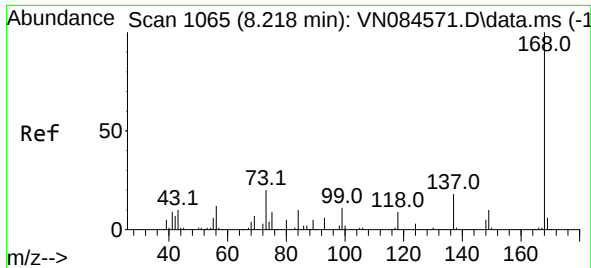
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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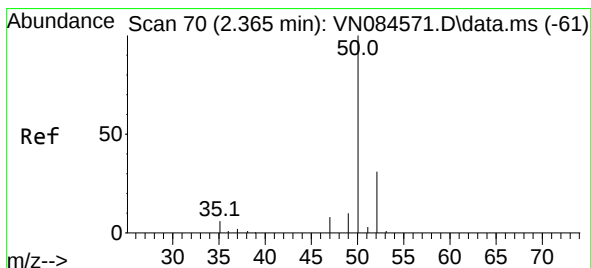
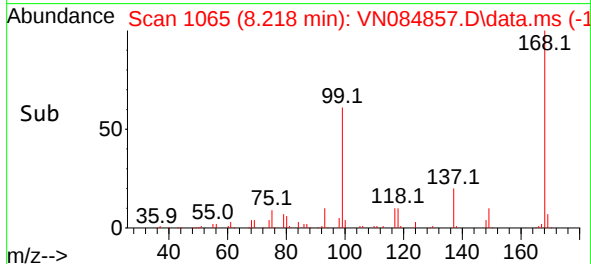
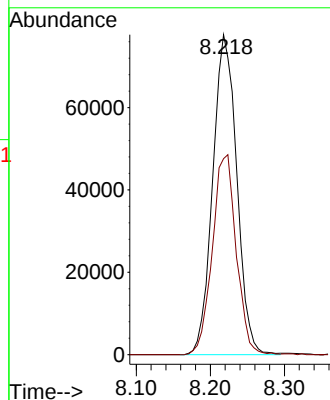
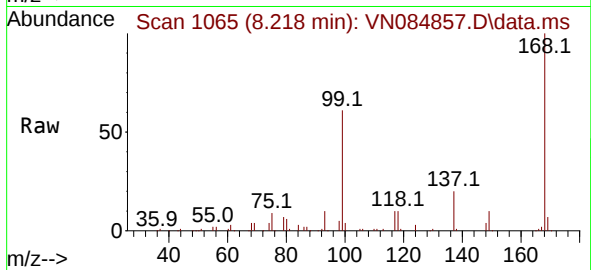




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

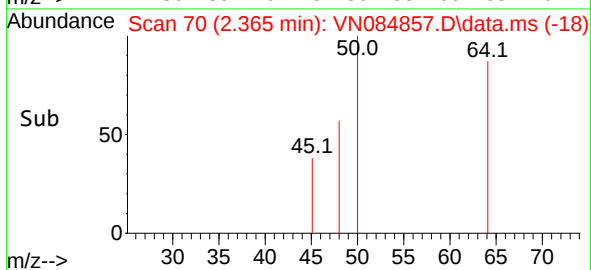
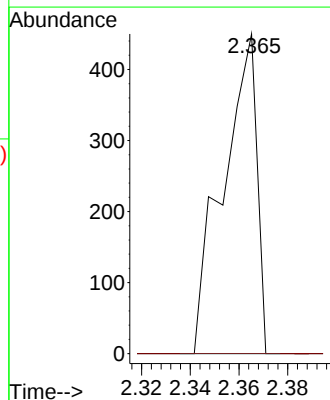
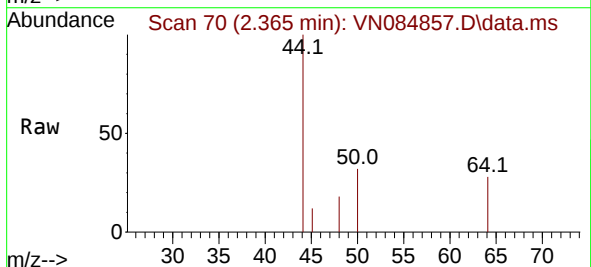
Instrument :
MSVOA_N
ClientSampleId :

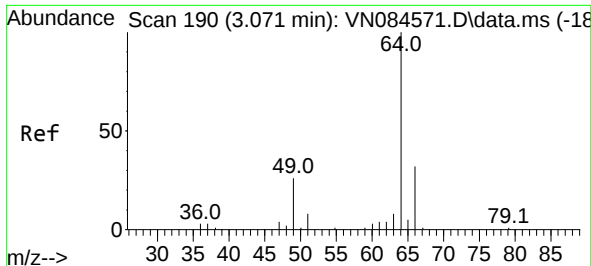
Tgt Ion:168 Resp: 175039
Ion Ratio Lower Upper
168 100
99 61.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

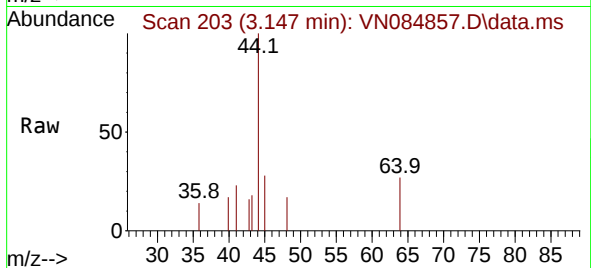
Tgt Ion: 50 Resp: 433
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



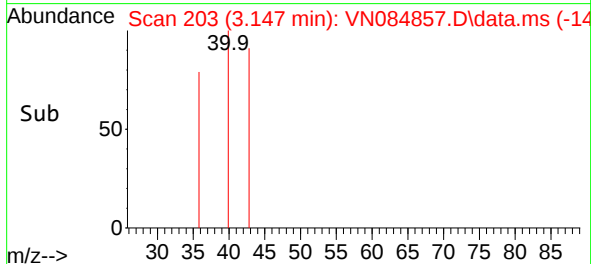
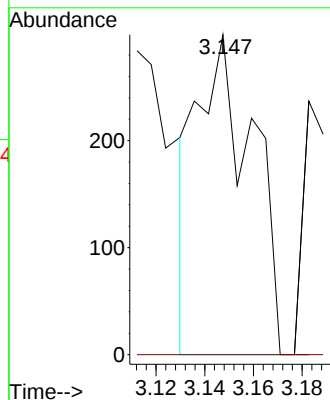


#6
Chloroethane
Concen: Below Cal
RT: 3.147 min Scan# 20
Delta R.T. 0.029 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

Instrument :
MSVOA_N
ClientSampleId :

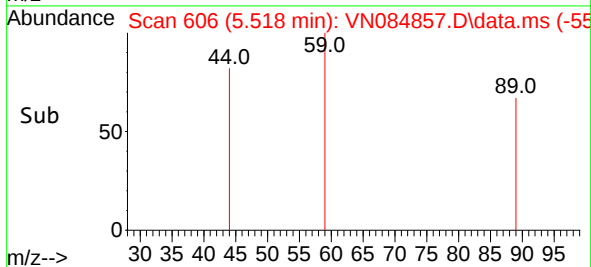
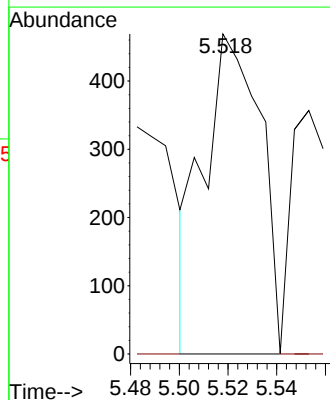
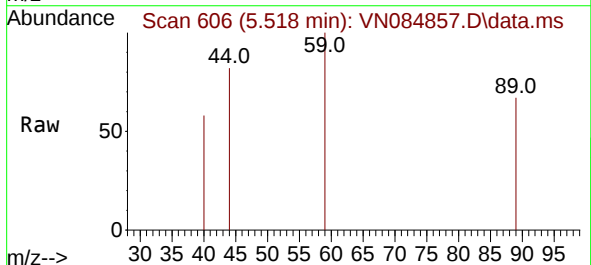


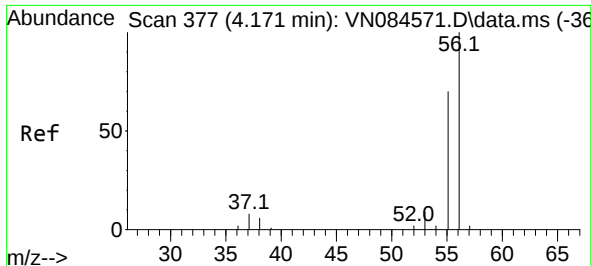
Tgt Ion: 64 Resp: 474
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 2.271 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

Tgt Ion: 59 Resp: 758
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.340 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.006 min

Lab File: VN084857.D

Acq: 14 Nov 2024 17:23

Instrument :

MSVOA_N

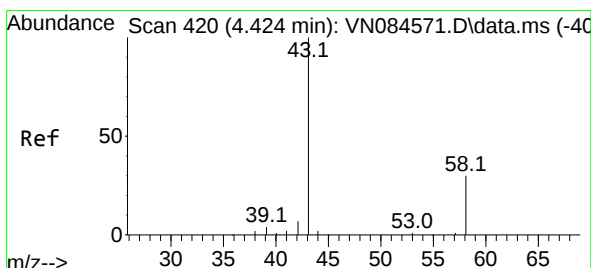
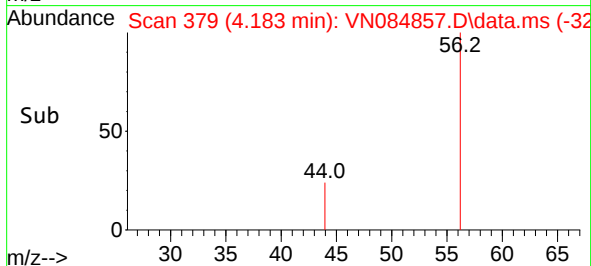
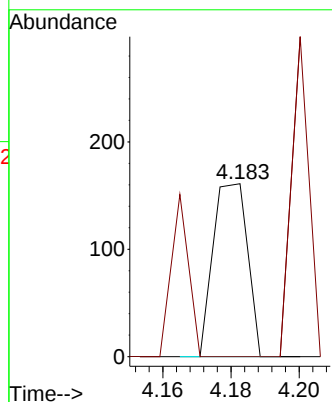
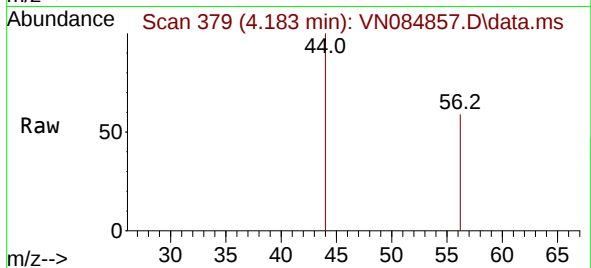
ClientSampleId :

Tgt Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 92.9 57.2 85.8#



#16

Acetone

Concen: 66.491 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.000 min

Lab File: VN084857.D

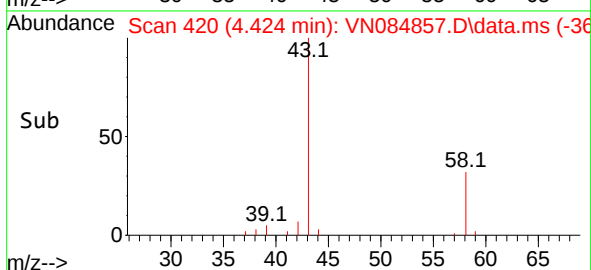
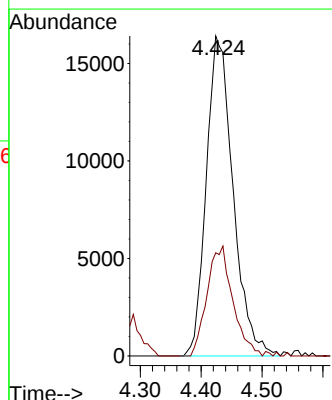
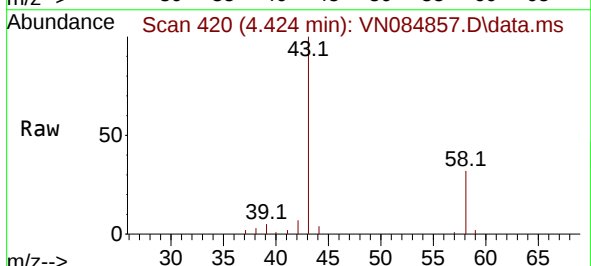
Acq: 14 Nov 2024 17:23

Tgt Ion: 43 Resp: 50087

Ion Ratio Lower Upper

43 100

58 32.2 24.4 36.6

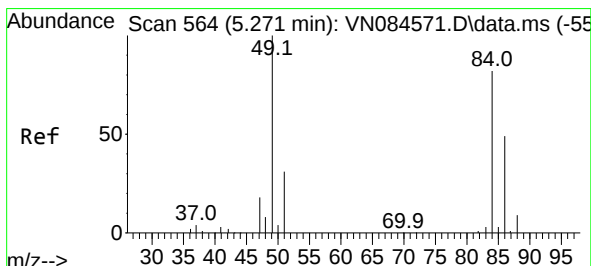
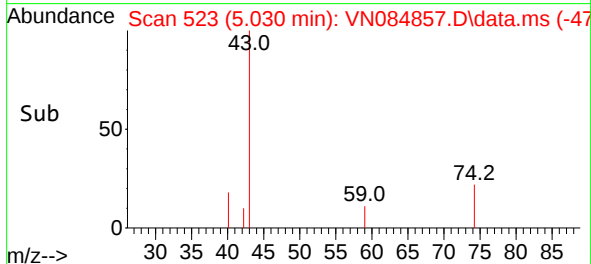
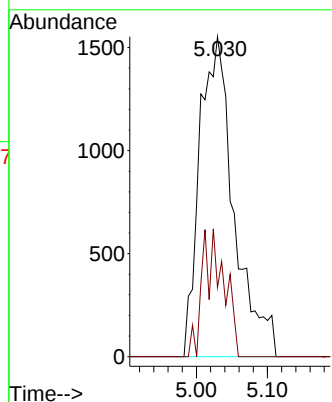
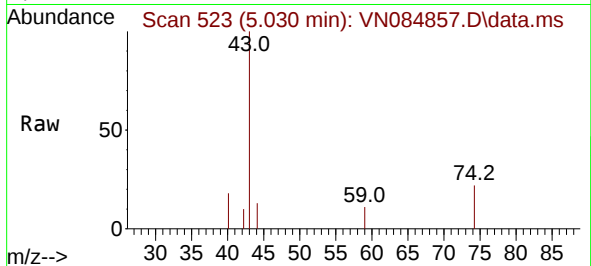




#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

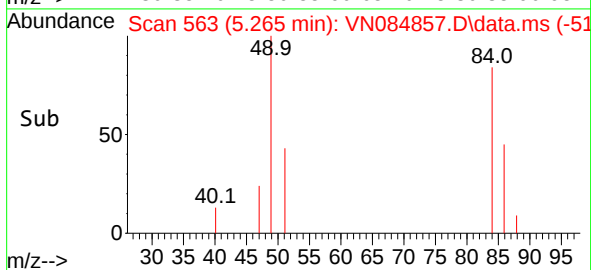
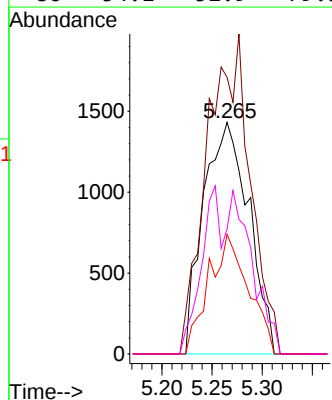
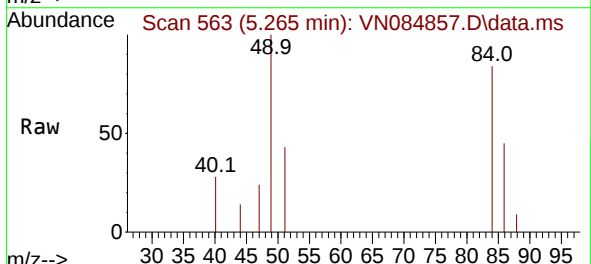
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 5210
Ion Ratio Lower Upper
43 100
74 9.5 19.2 28.8#



#20
Methylene Chloride
Concen: 2.023 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

Tgt Ion: 84 Resp: 4499
Ion Ratio Lower Upper
84 100
49 119.5 107.2 160.8
51 51.6 31.8 47.8#
86 54.1 52.9 79.3

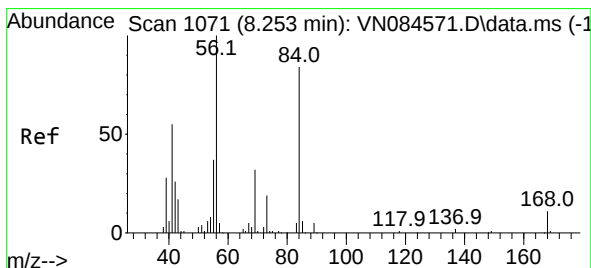
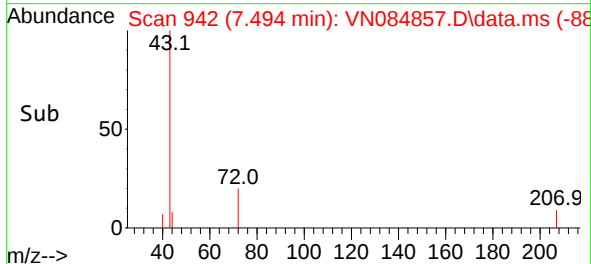
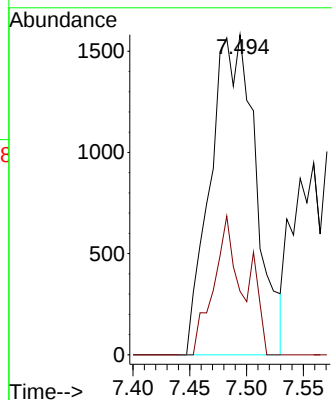
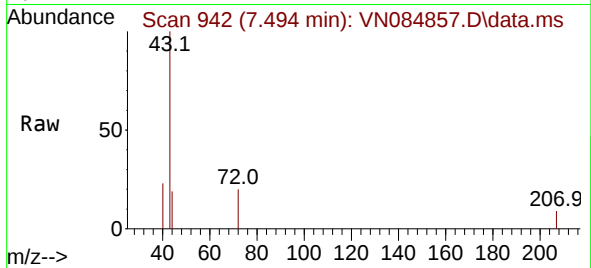




#25
2-Butanone
Concen: 3.737 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

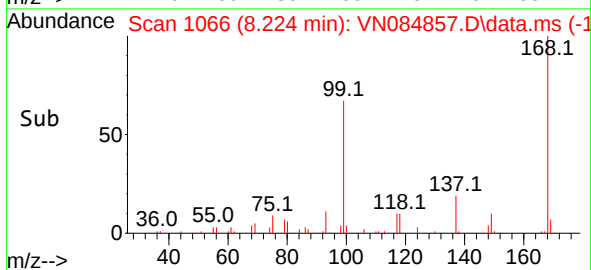
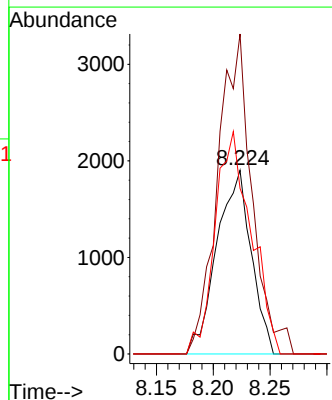
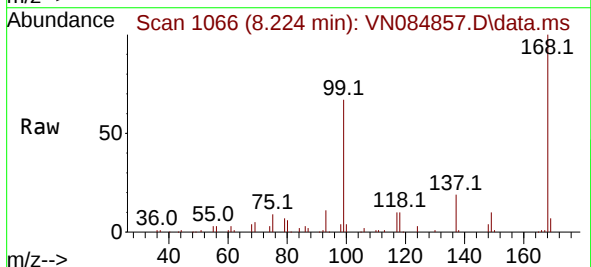
Instrument :
MSVOA_N
ClientSampleId :

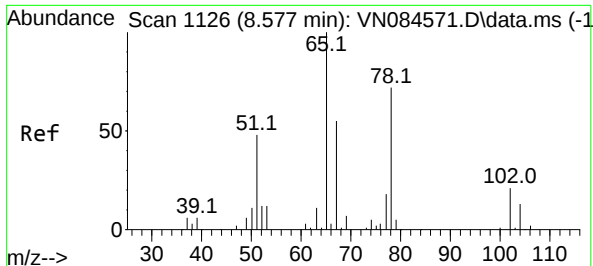
Tgt Ion: 43 Resp: 4408
Ion Ratio Lower Upper
43 100
72 19.8 21.4 32.2#



#31
Cyclohexane
Concen: 1.143 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

Tgt Ion: 56 Resp: 3990
Ion Ratio Lower Upper
56 100
69 174.2 23.8 35.6#
84 90.2 68.8 103.2





#33

1,2-Dichloroethane-d4

Concen: 48.540 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.001 min

Lab File: VN084857.D

Acq: 14 Nov 2024 17:23

Instrument :

MSVOA_N

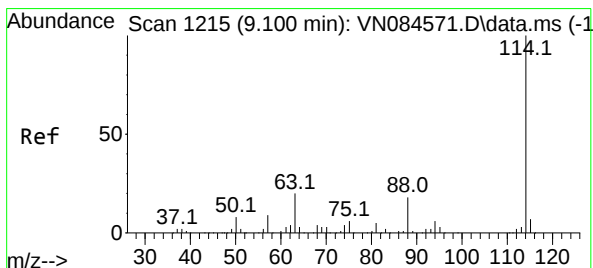
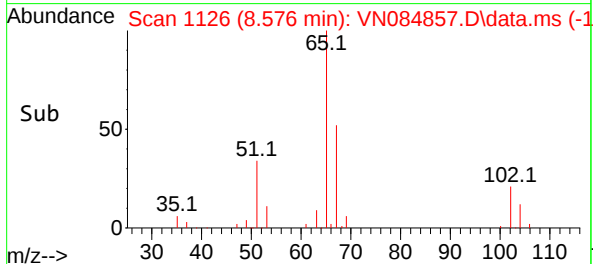
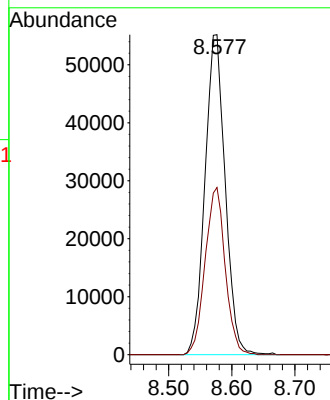
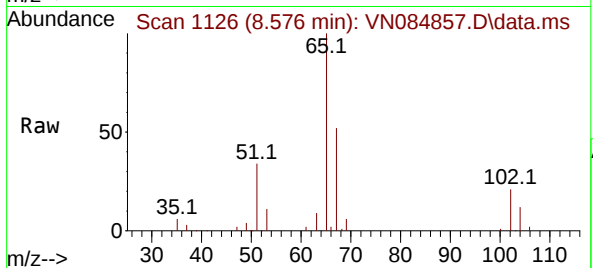
ClientSampleId :

Tgt Ion: 65 Resp: 122716

Ion Ratio Lower Upper

65 100

67 51.9 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: VN084857.D

Acq: 14 Nov 2024 17:23

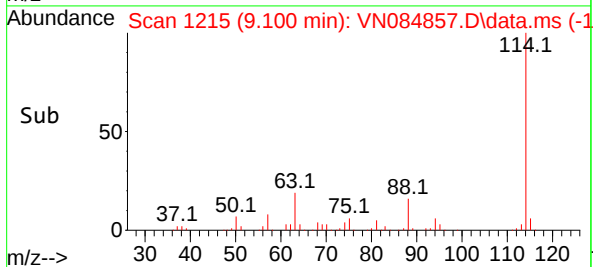
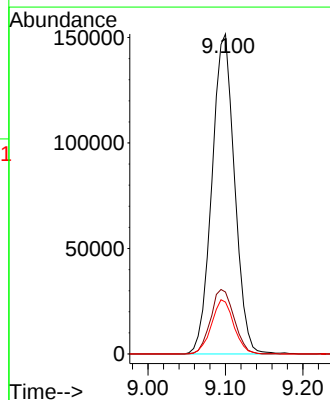
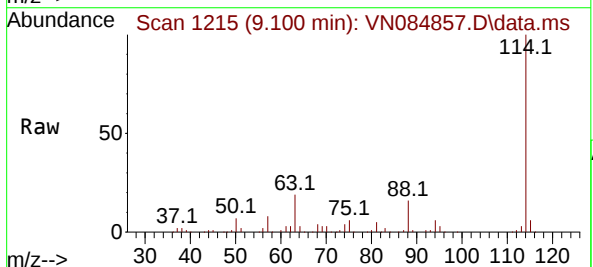
Tgt Ion: 114 Resp: 307884

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.8

88 16.2 0.0 31.6

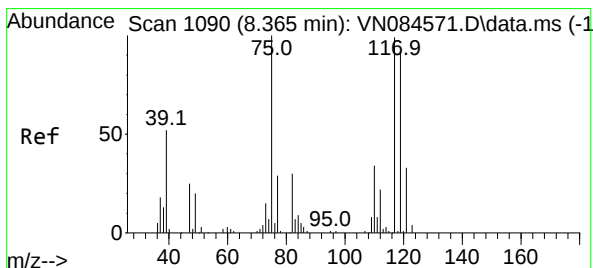
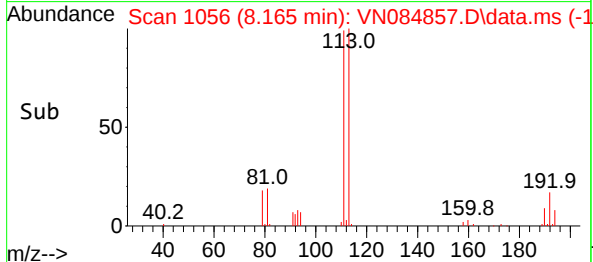
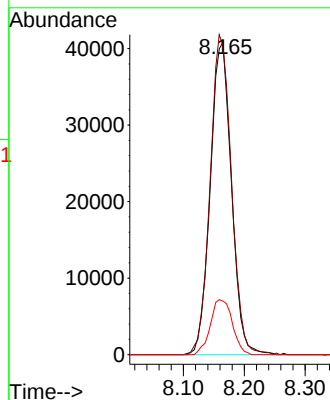
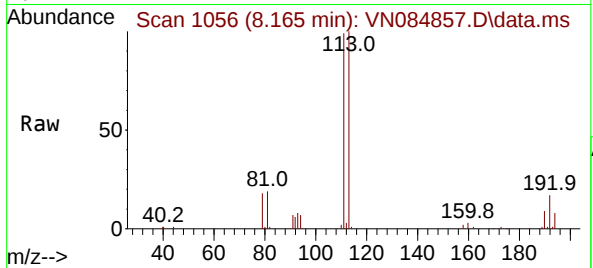




#35
Dibromofluoromethane
Concen: 47.252 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

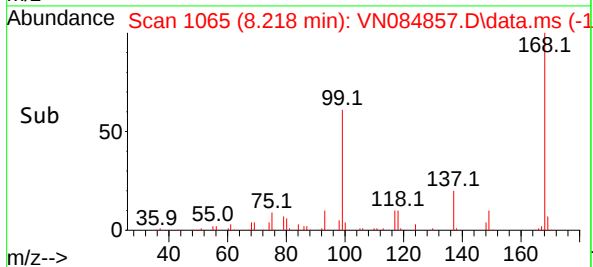
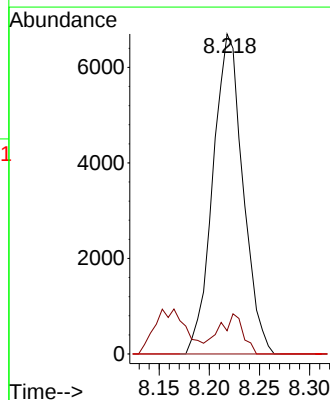
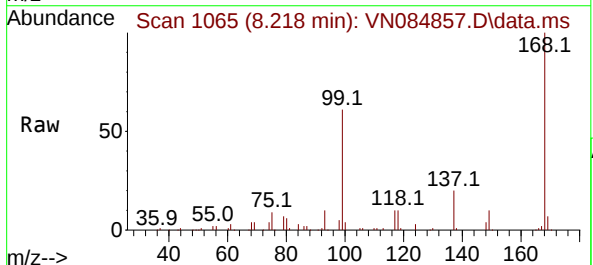
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:113 Resp: 98473
Ion Ratio Lower Upper
113 100
111 103.0 83.3 124.9
192 18.3 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.833 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

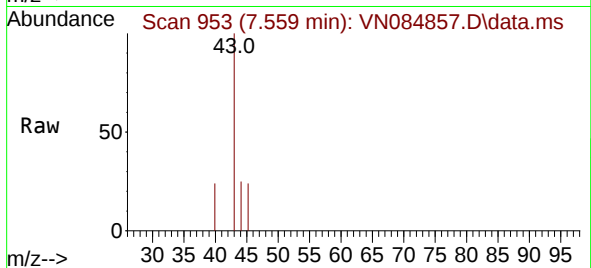
Tgt Ion: 75 Resp: 13969
Ion Ratio Lower Upper
75 100
110 10.1 16.9 50.7#
77 0.0 24.7 37.1#



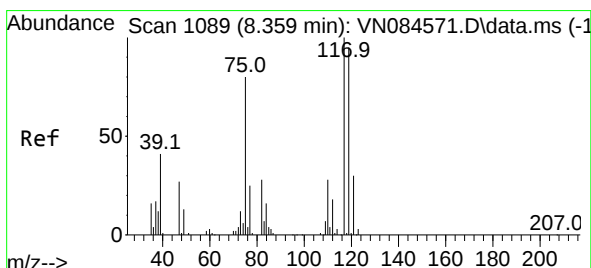
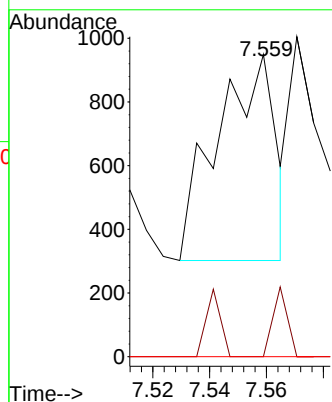
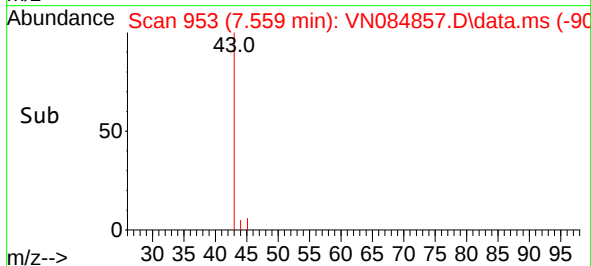


#37
Ethyl Acetate
Concen: 0.352 ug/l
RT: 7.559 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

Instrument :
MSVOA_N
ClientSampleId :

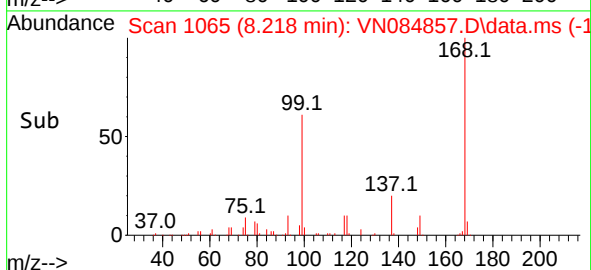
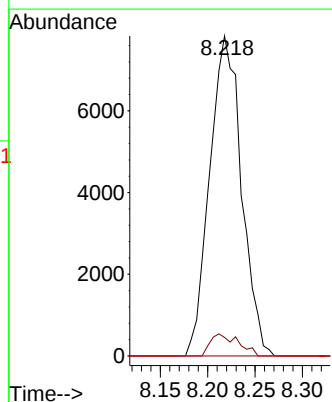
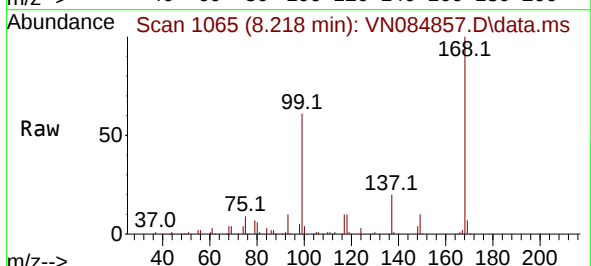


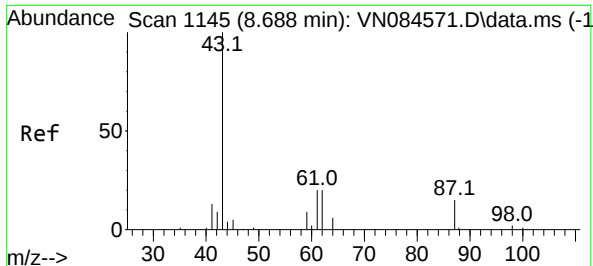
Tgt Ion: 43 Resp: 924
Ion Ratio Lower Upper
43 100
61 8.3 10.7 16.1#
70 0.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 5.666 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

Tgt Ion: 117 Resp: 18303
Ion Ratio Lower Upper
117 100
119 5.8 78.7 118.1#
121 0.0 24.4 36.6#

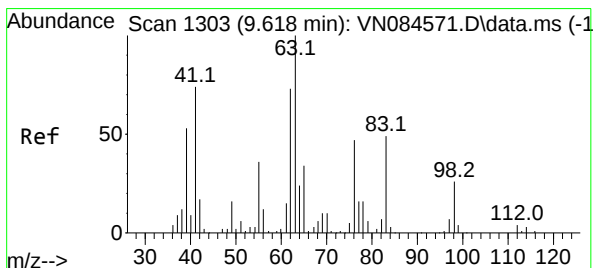
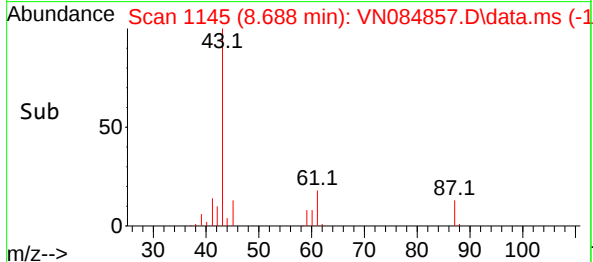
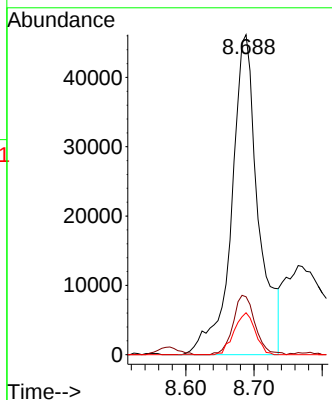
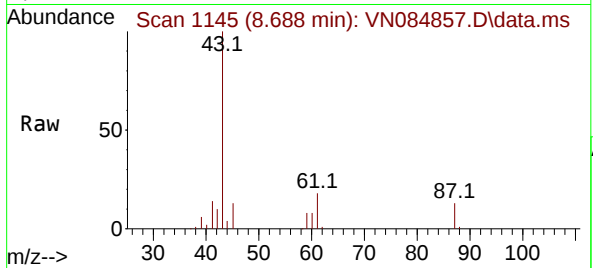




#43
Isopropyl Acetate
Concen: 25.511 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

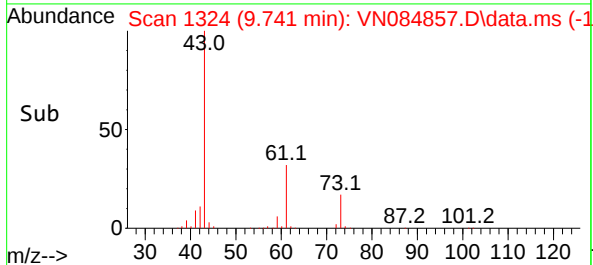
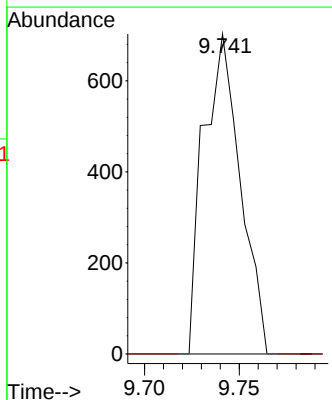
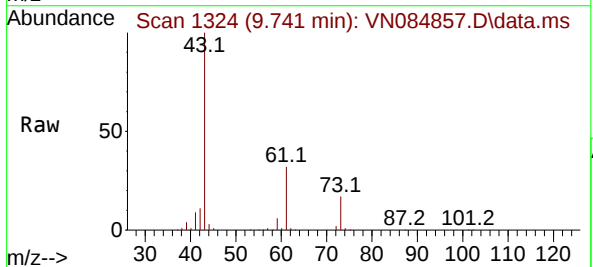
Instrument :
MSVOA_N
ClientSampleId :

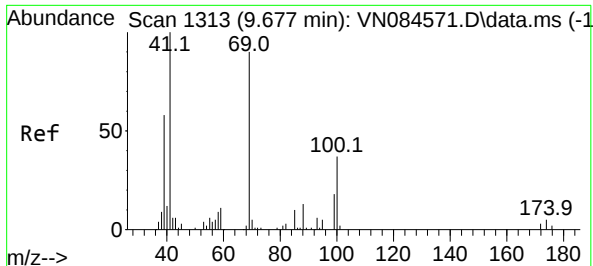
Tgt Ion: 43 Resp: 125878
Ion Ratio Lower Upper
43 100
61 15.3 20.4 30.6#
87 10.3 10.3 15.5



#45
1,2-Dichloropropane
Concen: 0.438 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.123 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

Tgt Ion: 63 Resp: 953
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.252 ug/l

RT: 9.653 min Scan# 1309

Delta R.T. -0.024 min

Lab File: VN084857.D

Acq: 14 Nov 2024 17:23

Instrument :

MSVOA_N

ClientSampleId :

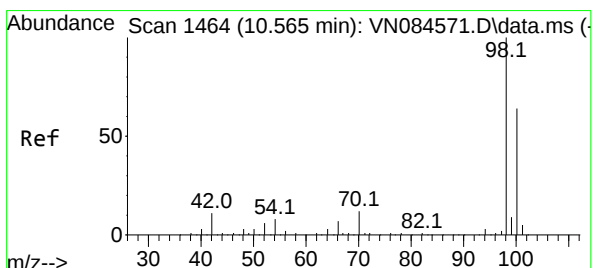
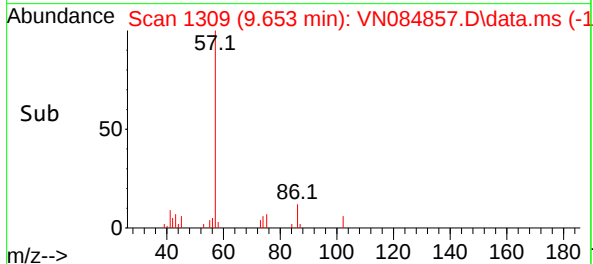
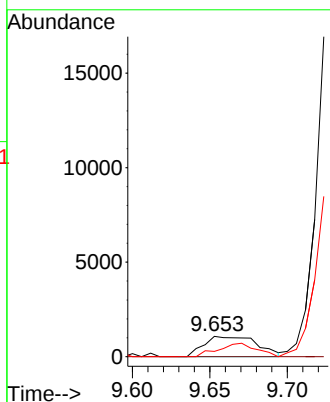
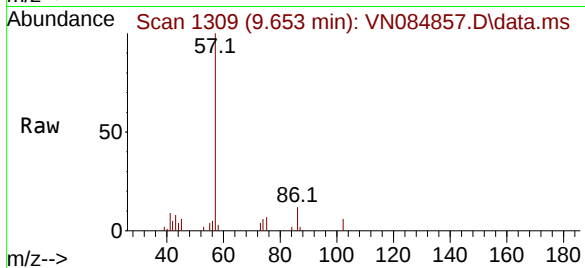
Tgt Ion: 41 Resp: 2555

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 46.9 45.8 68.6



#50

Toluene-d8

Concen: 47.320 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084857.D

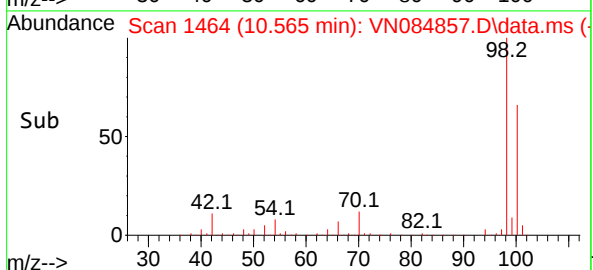
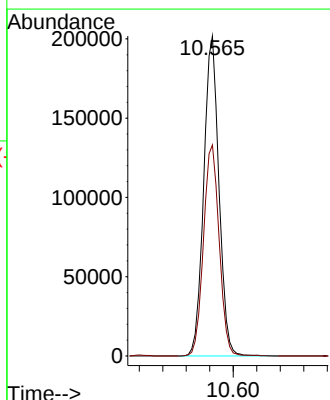
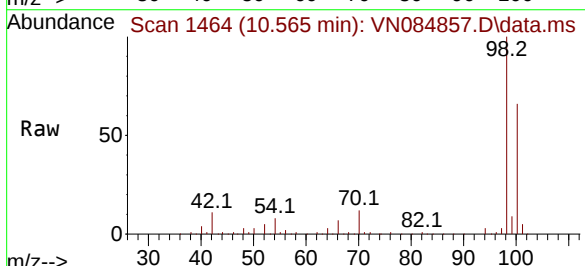
Acq: 14 Nov 2024 17:23

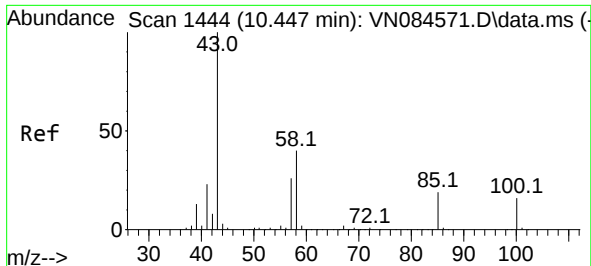
Tgt Ion: 98 Resp: 363263

Ion Ratio Lower Upper

98 100

100 68.0 52.7 79.1

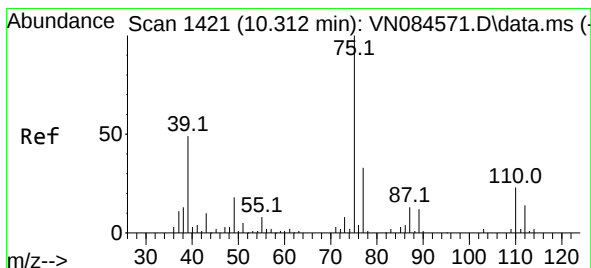
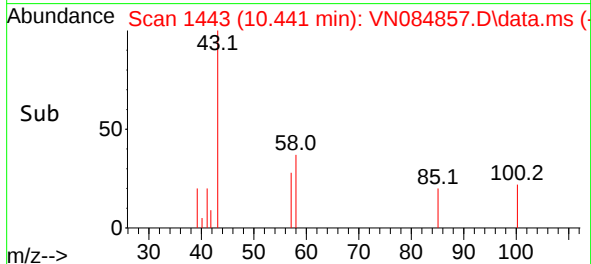
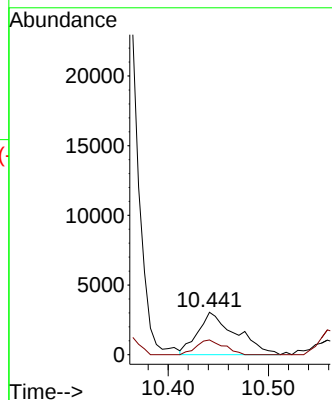
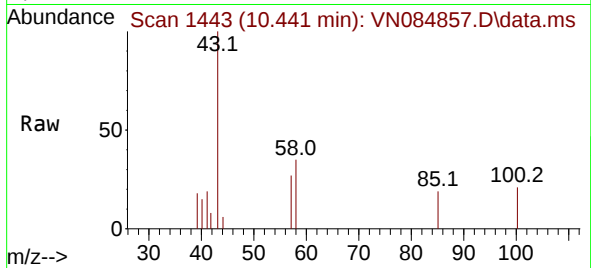




#51
4-Methyl-2-Pentanone
Concen: 3.209 ug/l
RT: 10.441 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

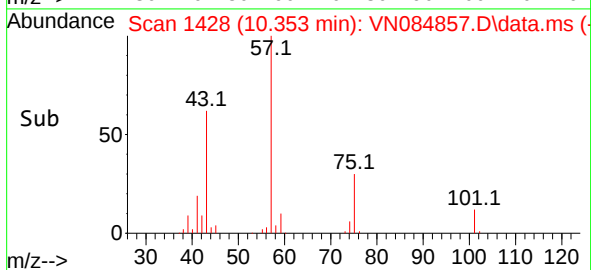
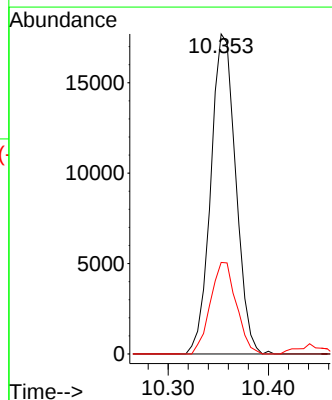
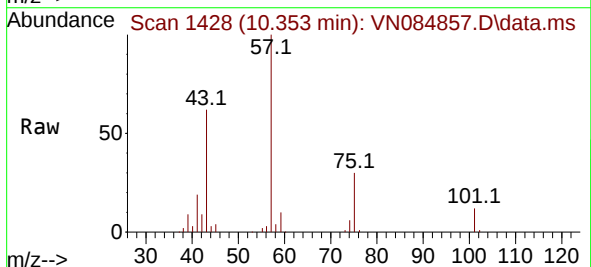
Instrument :
MSVOA_N
ClientSampleId :

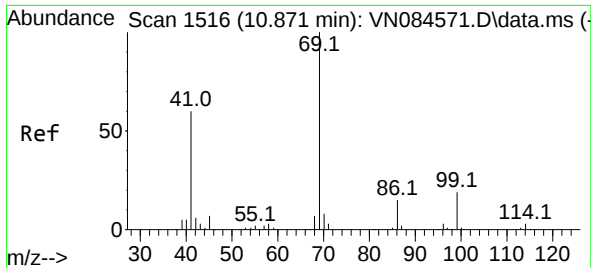
Tgt Ion: 43 Resp: 8022
Ion Ratio Lower Upper
43 100
58 25.2 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 8.621 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

Tgt Ion: 75 Resp: 30589
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 28.6 38.7 58.1#

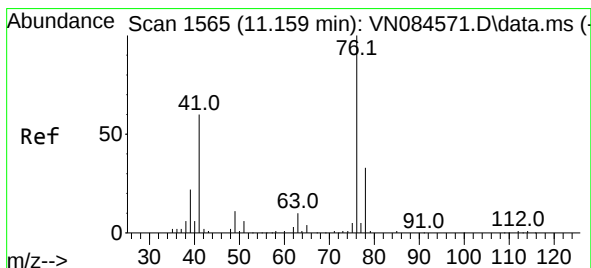
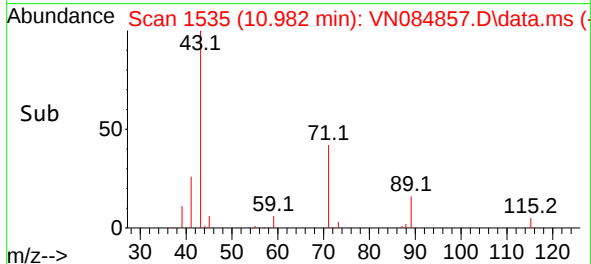
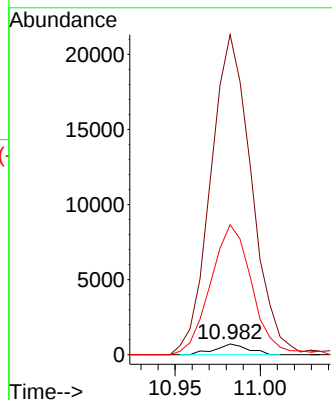
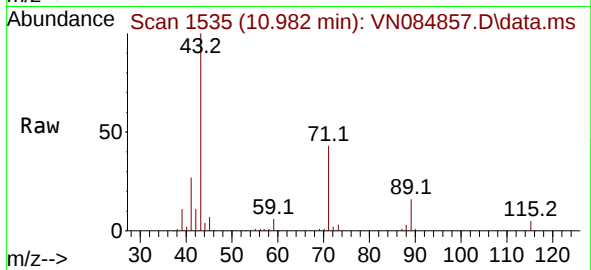




#56
Ethyl methacrylate
Concen: 0.326 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

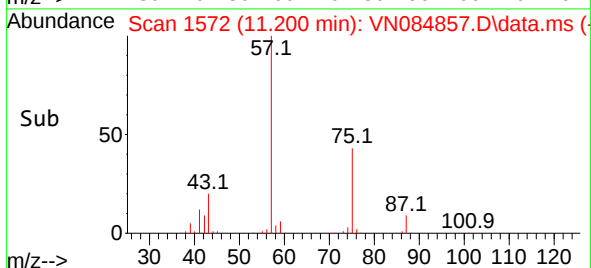
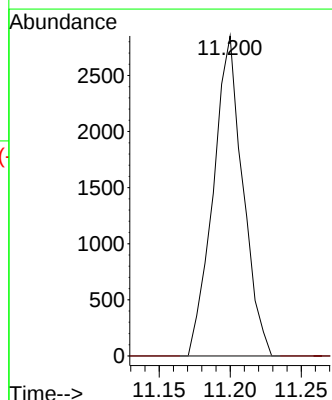
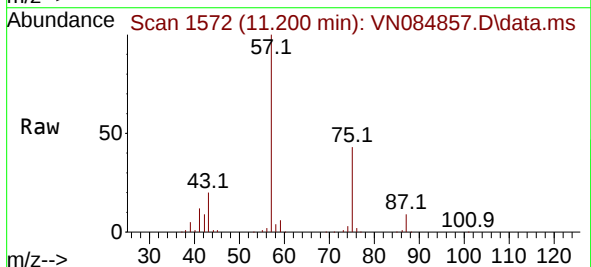
Instrument :
MSVOA_N
ClientSampleId :

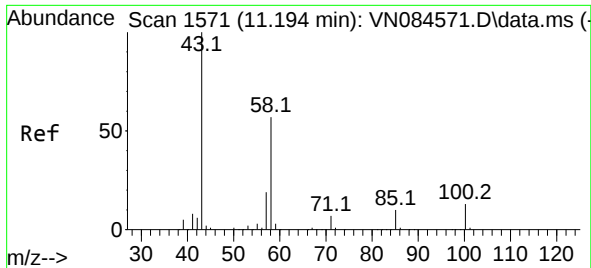
Tgt Ion: 69 Resp: 965
Ion Ratio Lower Upper
69 100
41 3695.8 53.3 79.9#
39 1522.9 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.178 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

Tgt Ion: 76 Resp: 4134
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

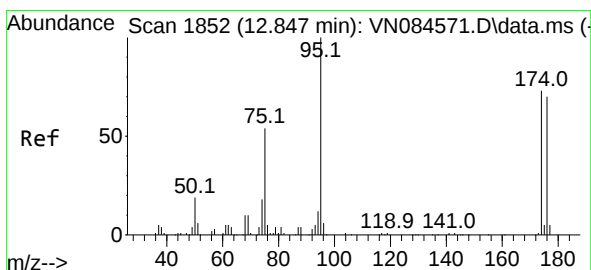
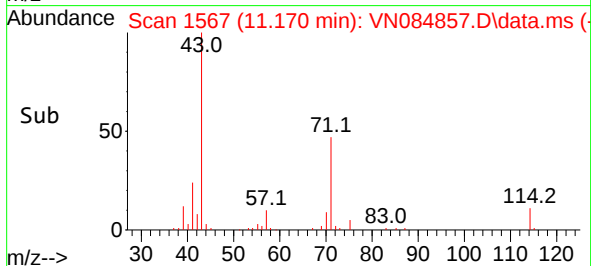
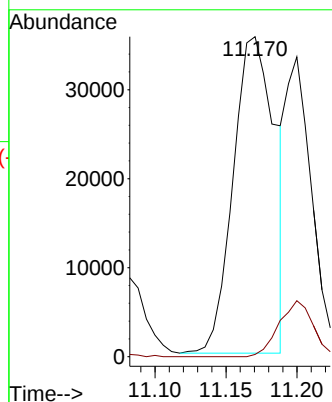
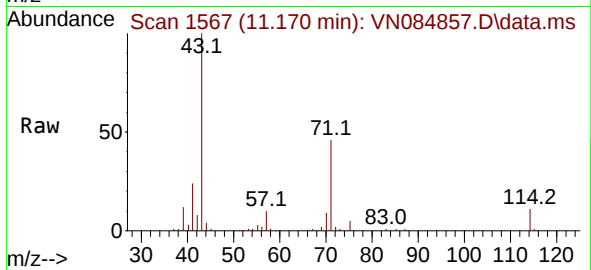




#59
2-Hexanone
Concen: 40.120 ug/l
RT: 11.170 min Scan# 11
Delta R.T. -0.024 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

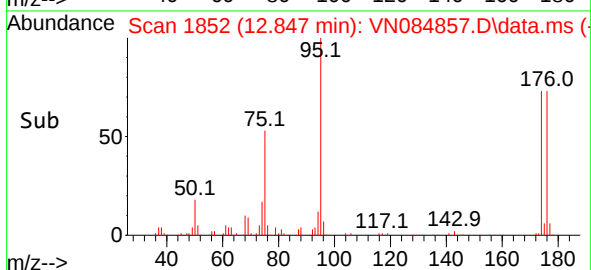
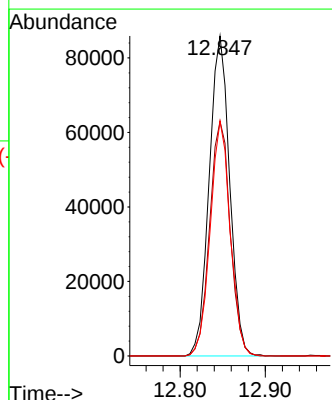
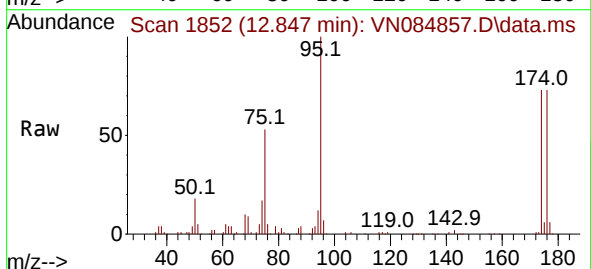
Instrument :
MSVOA_N
ClientSampleId :

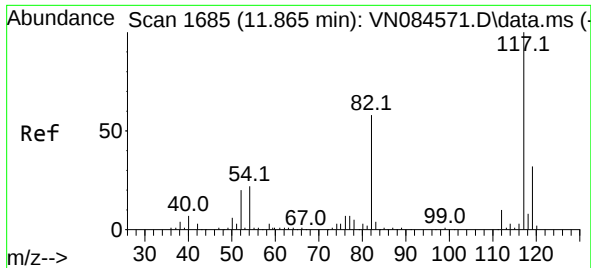
Tgt Ion: 43 Resp: 73002
Ion Ratio Lower Upper
43 100
58 0.0 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 50.066 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

Tgt Ion: 95 Resp: 143644
Ion Ratio Lower Upper
95 100
174 73.9 0.0 145.2
176 71.5 0.0 140.0

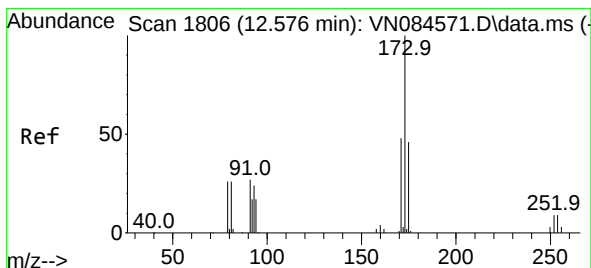
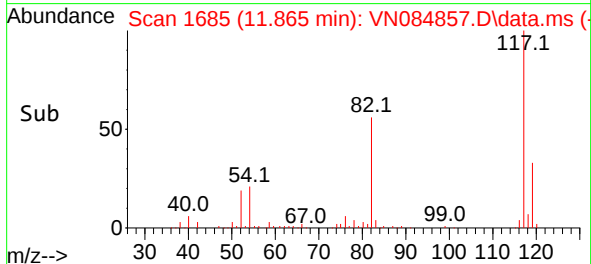
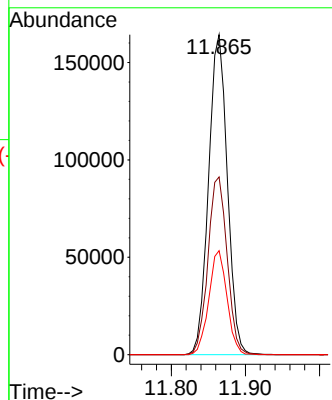
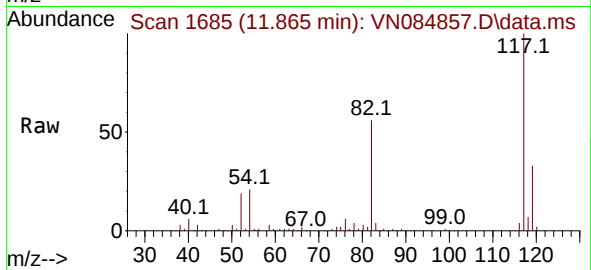




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

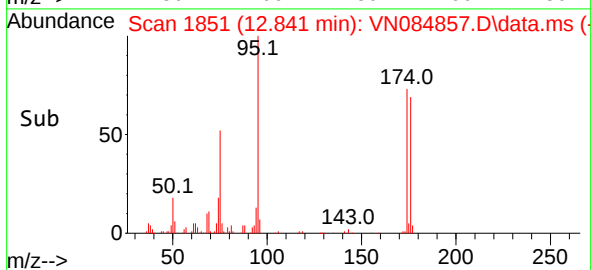
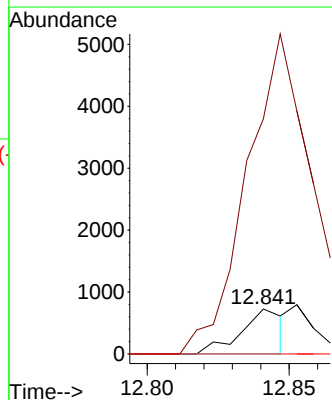
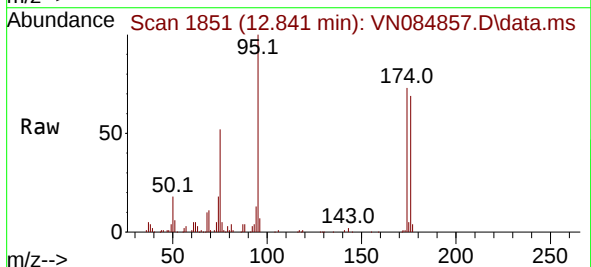
Instrument :
MSVOA_N
ClientSampleId :

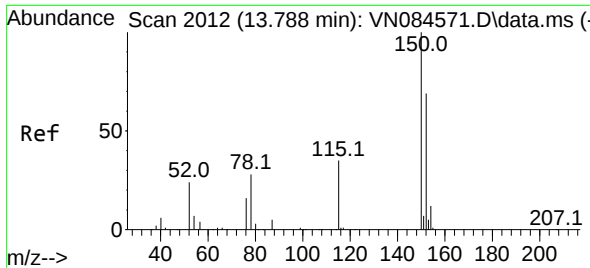
Tgt Ion:117 Resp: 289029
Ion Ratio Lower Upper
117 100
82 55.6 47.2 70.8
119 32.5 25.4 38.0



#71
Bromoform
Concen: 0.443 ug/l
RT: 12.841 min Scan# 1851
Delta R.T. 0.265 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

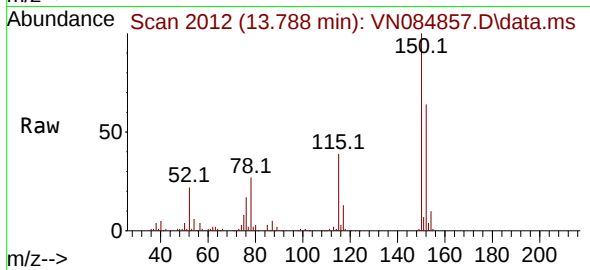
Tgt Ion:173 Resp: 750
Ion Ratio Lower Upper
173 100
175 859.1 23.5 70.6#
254 0.0 0.0 0.0



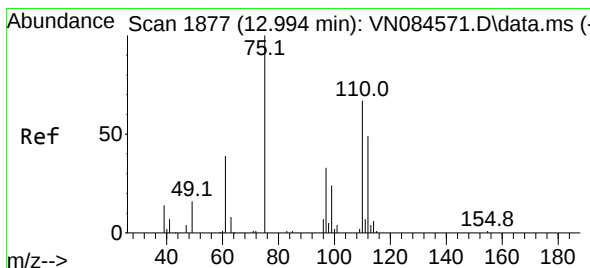
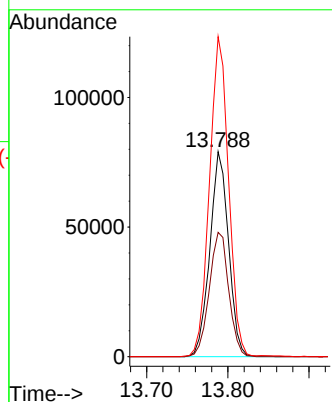
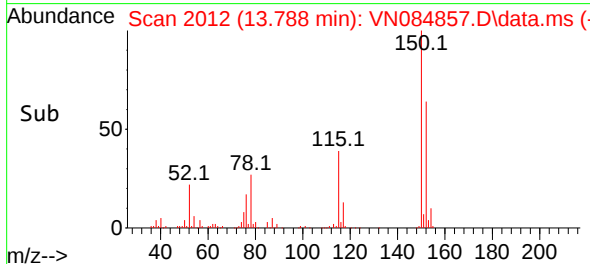


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

Instrument :
MSVOA_N
ClientSampleId :

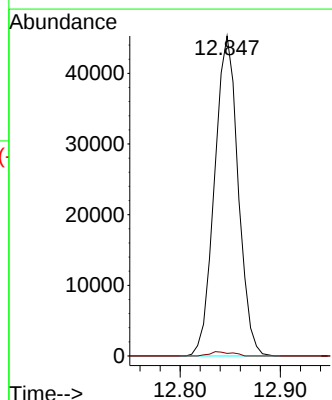
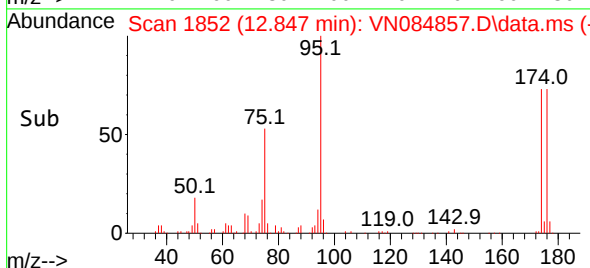
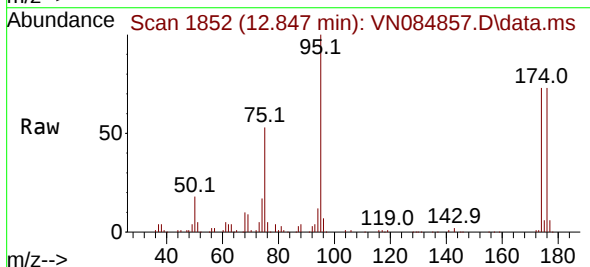


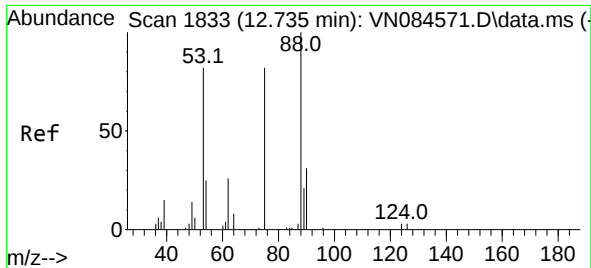
Tgt Ion:152 Resp: 126515
Ion Ratio Lower Upper
152 100
115 63.0 31.3 93.9
150 159.0 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 29.302 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

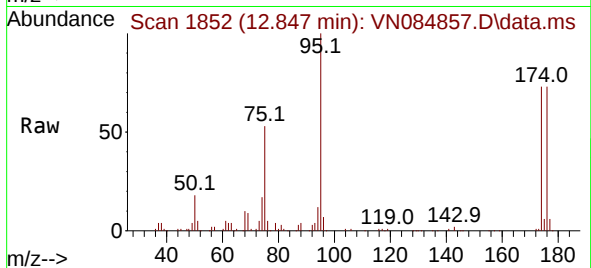
Tgt Ion: 75 Resp: 74103
Ion Ratio Lower Upper
75 100
77 1.3 96.9 290.7#





#81
trans-1,4-Dichloro-2-butene
Concen: 69.515 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084857.D
Acq: 14 Nov 2024 17:23

Instrument :
MSVOA_N
ClientSampleId :



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

