

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
 Data File : VN084860.D
 Acq On : 14 Nov 2024 18:34
 Operator : JC\MD
 Sample : P4833-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 00:52:22 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

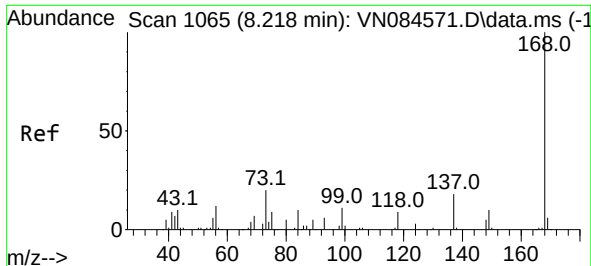
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	162214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	286535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118130	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	116621	49.776	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.560%		
35) Dibromofluoromethane	8.165	113	92744	47.819	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.640%		
50) Toluene-d8	10.565	98	345511	48.361	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.720%		
62) 4-Bromofluorobenzene	12.847	95	134993	50.557	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	101.120%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	444	Below Cal	#	41
6) Chloroethane	3.118	64	469	Below Cal	#	45
11) Tert butyl alcohol	5.477	59	74	0.239	ug/l #	73
16) Acetone	4.424	43	16422	21.660	ug/l	94
18) Methyl Acetate	5.024	43	5054	Below Cal		91
20) Methylene Chloride	5.271	84	1567	0.760	ug/l #	92
25) 2-Butanone	7.482	43	2404	2.199	ug/l #	81
29) Tetrahydrofuran	7.829	42	185	0.255	ug/l #	34
31) Cyclohexane	8.218	56	3322	1.027	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13070	4.859	ug/l #	51
37) Ethyl Acetate	7.565	43	2385	0.977	ug/l #	82
38) Carbon Tetrachloride	8.224	117	16926	5.630	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	848	0.303	ug/l #	75
43) Isopropyl Acetate	8.688	43	148811	32.672	ug/l #	81
45) 1,2-Dichloropropane	9.741	63	1218	0.601	ug/l #	44
48) Methyl methacrylate	9.659	41	2359	1.242	ug/l #	13
51) 4-Methyl-2-Pentanone	10.447	43	3788	1.628	ug/l	98
54) cis-1,3-Dichloropropene	10.353	75	34226	10.365	ug/l #	61
56) Ethyl methacrylate	10.982	69	1150	0.418	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4401	1.347	ug/l #	42
59) 2-Hexanone	11.200	43	47528	28.066	ug/l #	59
74) N-amyl acetate	12.488	43	1013	0.288	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	69222	29.314	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69222	69.546	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	58	Below Cal	#	1

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

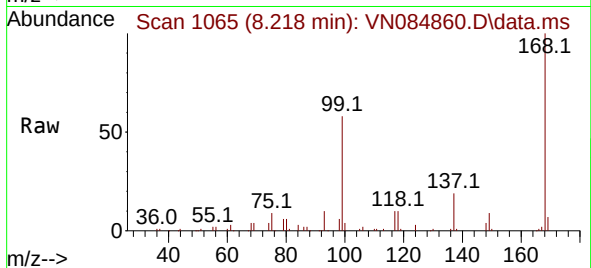
Quant Time: Nov 15 00:52:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



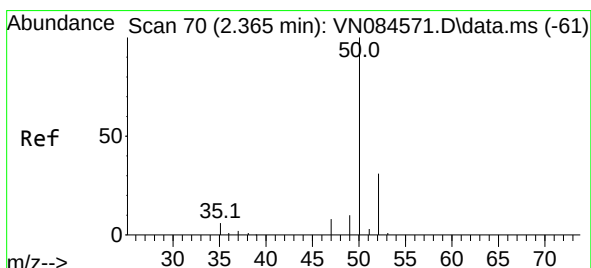
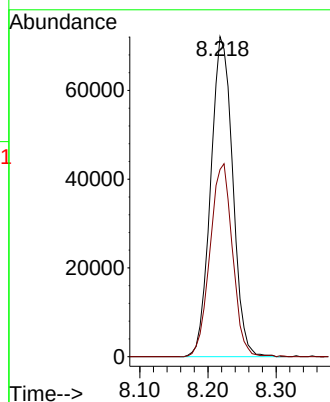
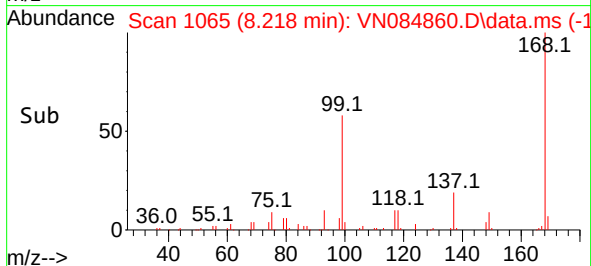


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

Instrument :
MSVOA_N
ClientSampleId :

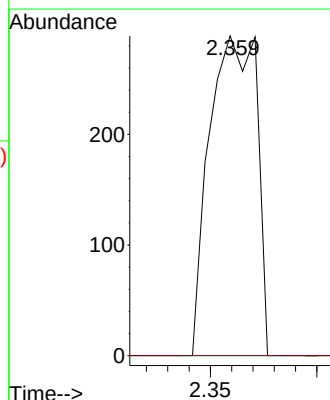
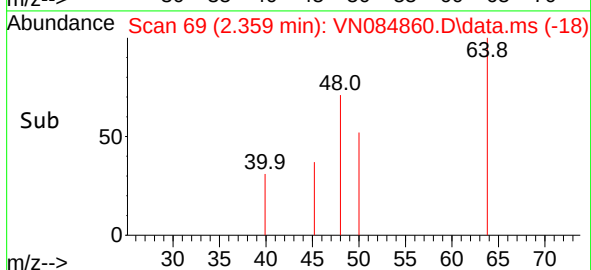
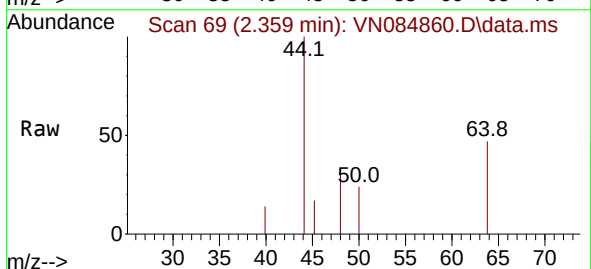


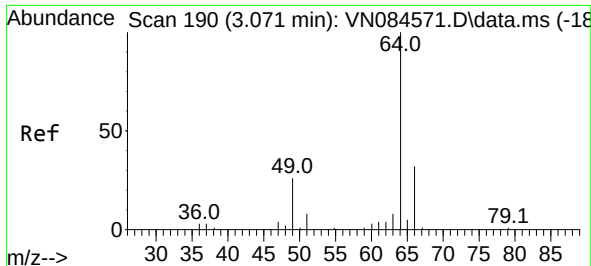
Tgt Ion:168 Resp: 162214
Ion Ratio Lower Upper
168 100
99 58.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

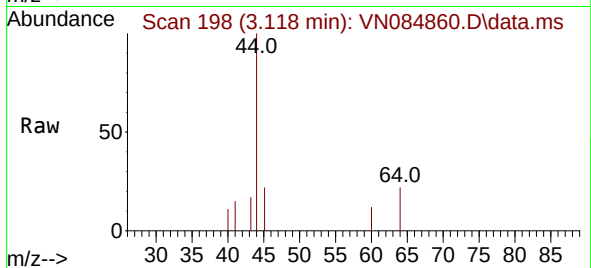
Tgt Ion: 50 Resp: 444
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



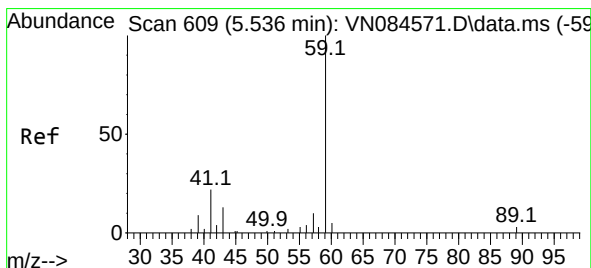
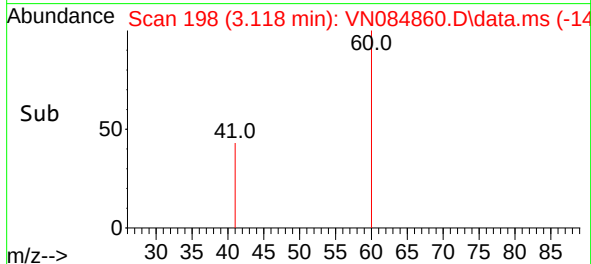
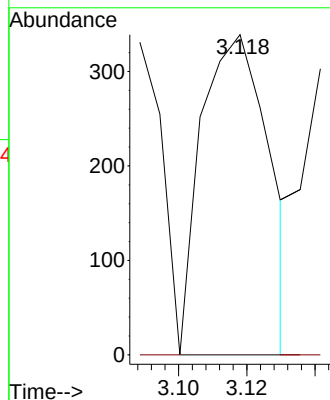


#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 190
Delta R.T. 0.000 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

Instrument :
MSVOA_N
ClientSampleId :

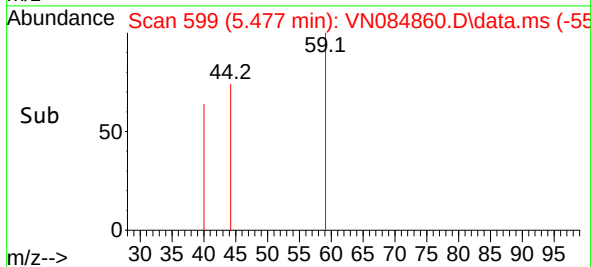
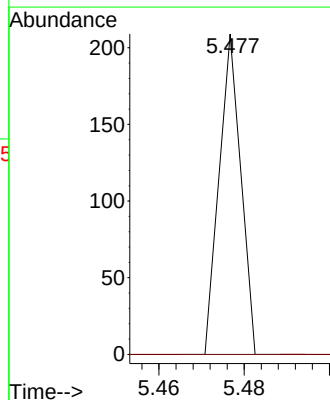
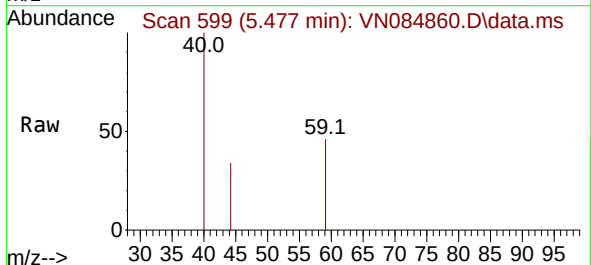


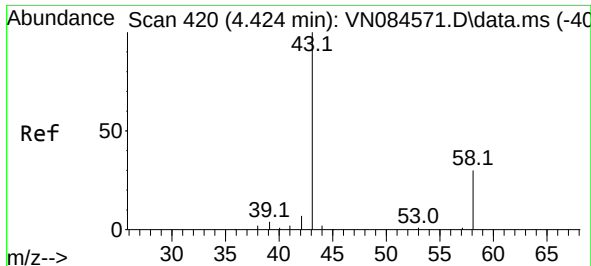
Tgt Ion: 64 Resp: 469
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 0.239 ug/l
RT: 5.477 min Scan# 599
Delta R.T. -0.047 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

Tgt Ion: 59 Resp: 74
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

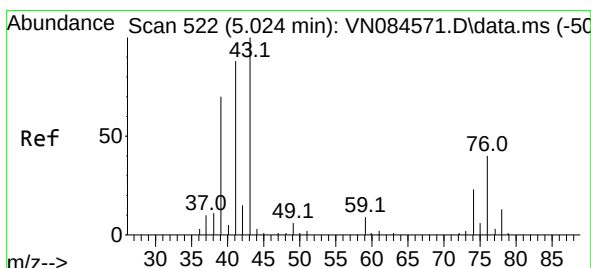
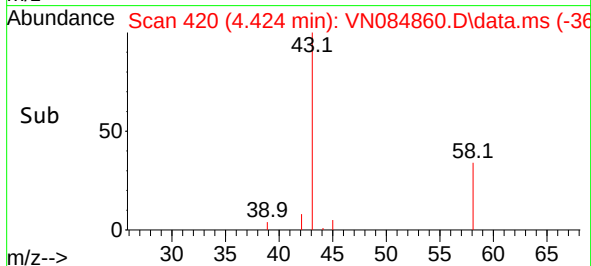
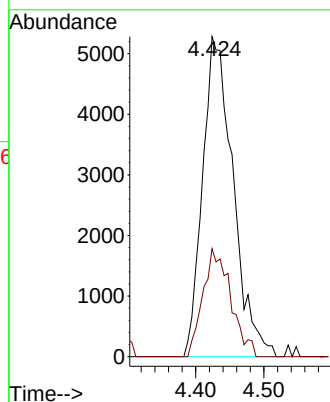
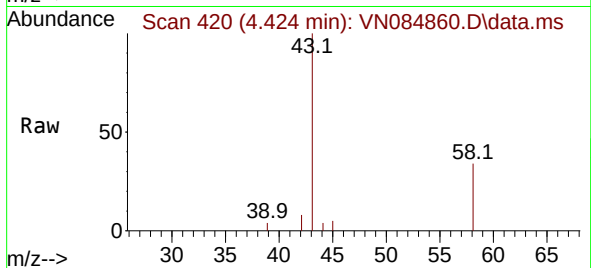




#16
Acetone
Concen: 21.660 ug/l
RT: 4.424 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

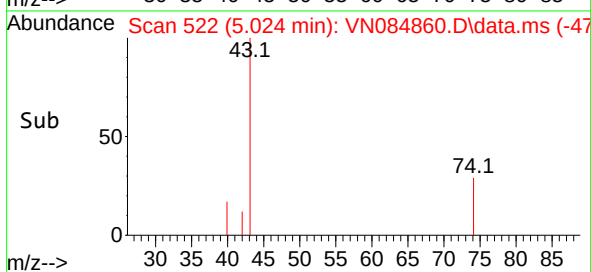
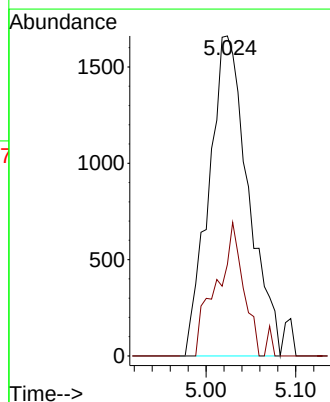
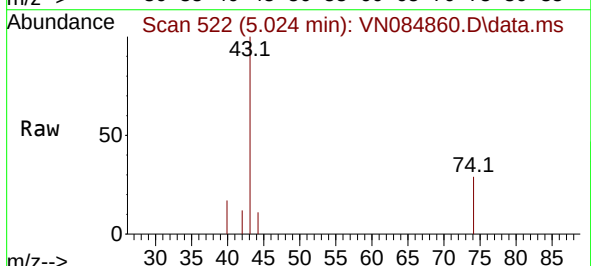
Instrument :
MSVOA_N
ClientSampleId :

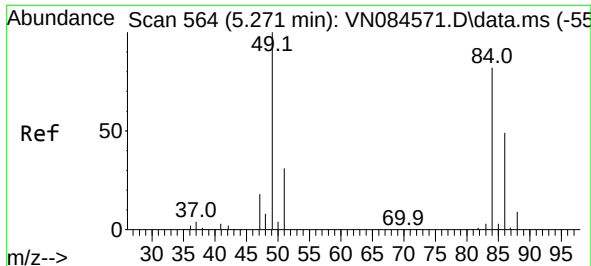
Tgt Ion: 43 Resp: 16422
Ion Ratio Lower Upper
43 100
58 33.7 24.4 36.6



#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

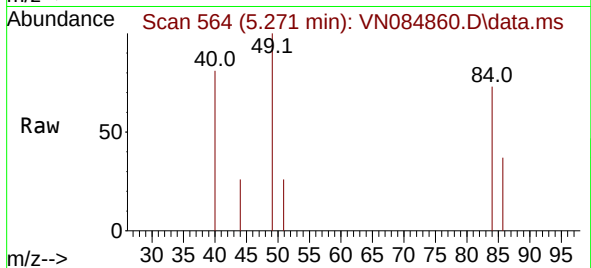
Tgt Ion: 43 Resp: 5054
Ion Ratio Lower Upper
43 100
74 28.6 19.2 28.8



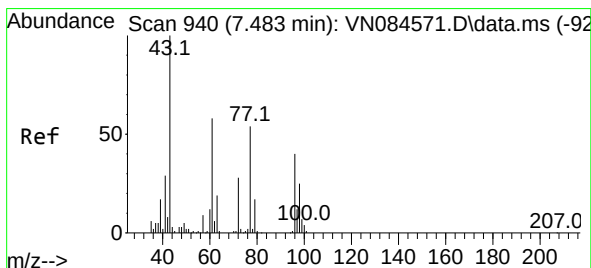
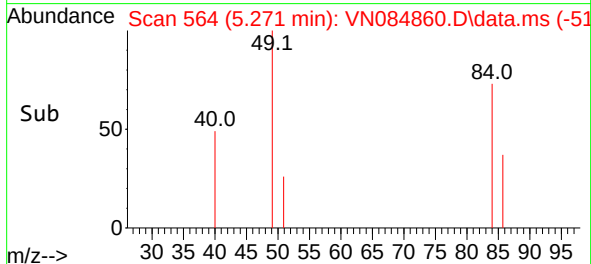
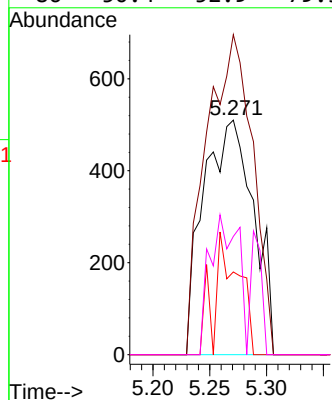


#20
Methylene Chloride
Concen: 0.760 ug/l
RT: 5.271 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

Instrument :
MSVOA_N
ClientSampleId :

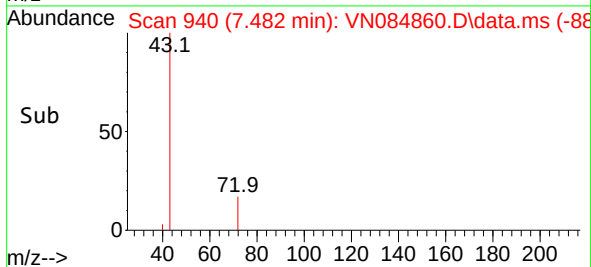
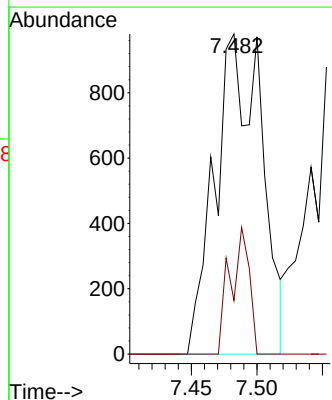
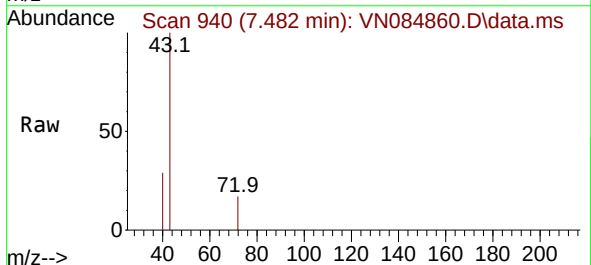


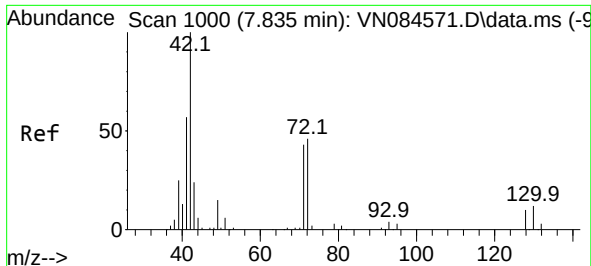
Tgt Ion:	84	Resp:	1567
Ion	Ratio	Lower	Upper
84	100		
49	136.5	107.2	160.8
51	35.3	31.8	47.8
86	50.4	52.9	79.3



#25
2-Butanone
Concen: 2.199 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

Tgt Ion:	43	Resp:	2404
Ion	Ratio	Lower	Upper
43	100		
72	16.7	21.4	32.2





#29

Tetrahydrofuran

Concen: 0.255 ug/l

RT: 7.829 min Scan# 99

Delta R.T. -0.006 min

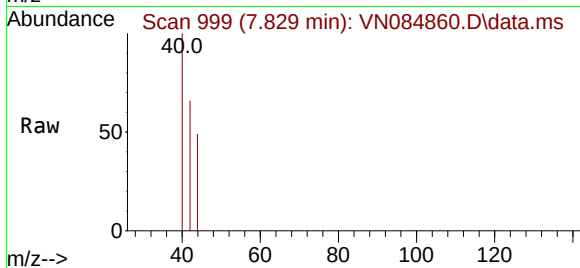
Lab File: VN084860.D

Acq: 14 Nov 2024 18:34

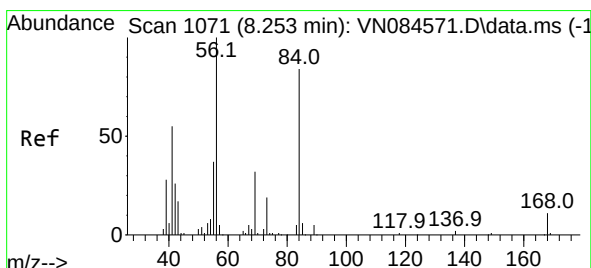
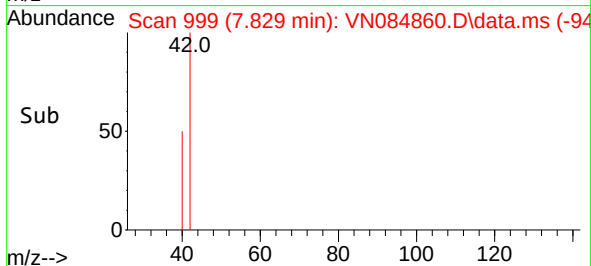
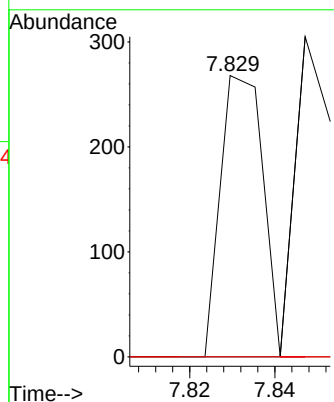
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	42	Resp:	185
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.6	51.8#
71	0.0	32.2	48.4#



#31

Cyclohexane

Concen: 1.027 ug/l

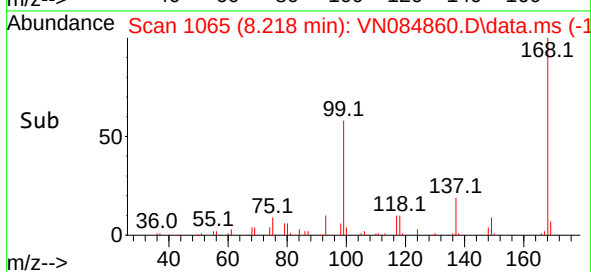
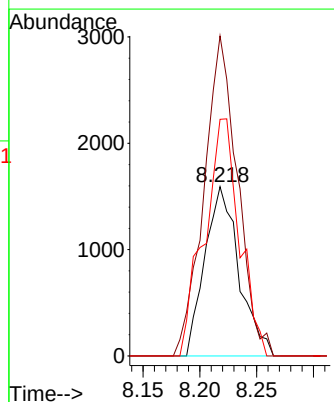
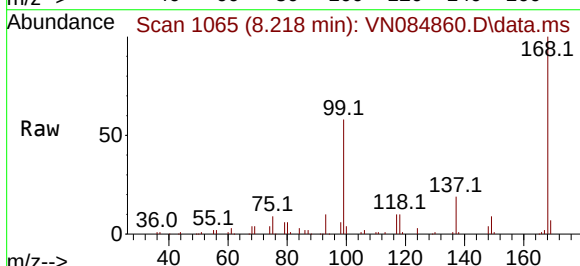
RT: 8.218 min Scan# 1065

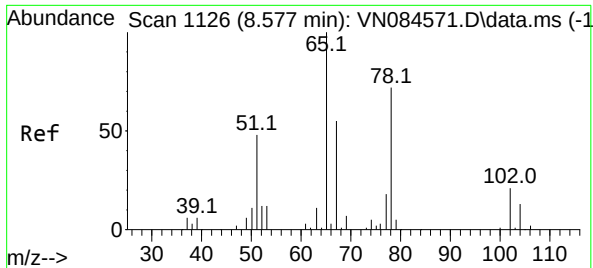
Delta R.T. -0.035 min

Lab File: VN084860.D

Acq: 14 Nov 2024 18:34

Tgt Ion:	56	Resp:	3322
Ion	Ratio	Lower	Upper
56	100		
69	189.0	23.8	35.6#
84	139.8	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.776 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.001 min

Lab File: VN084860.D

Acq: 14 Nov 2024 18:34

Instrument :

MSVOA_N

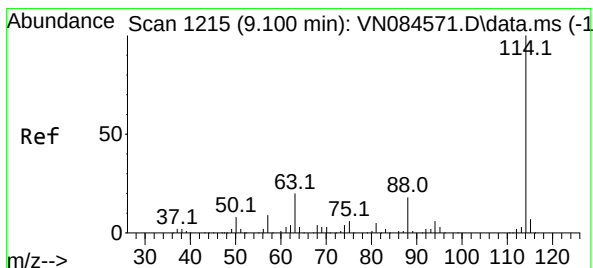
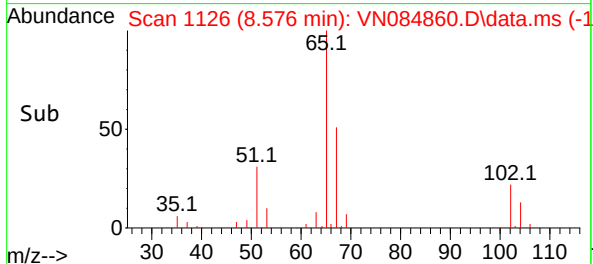
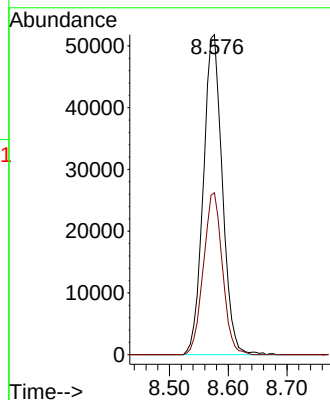
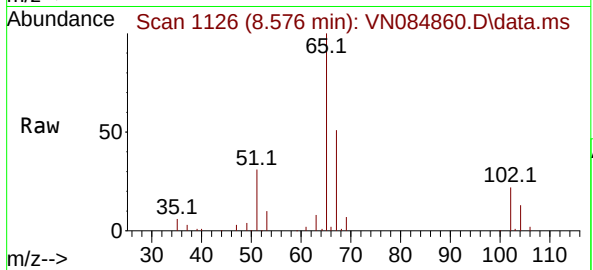
ClientSampleId :

Tgt Ion: 65 Resp: 116621

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: VN084860.D

Acq: 14 Nov 2024 18:34

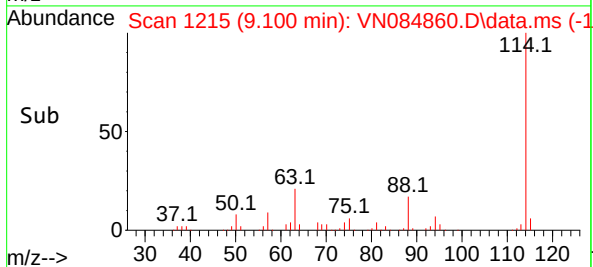
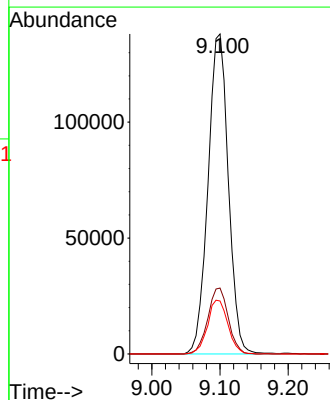
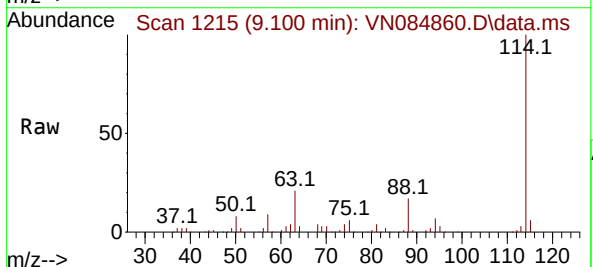
Tgt Ion: 114 Resp: 286535

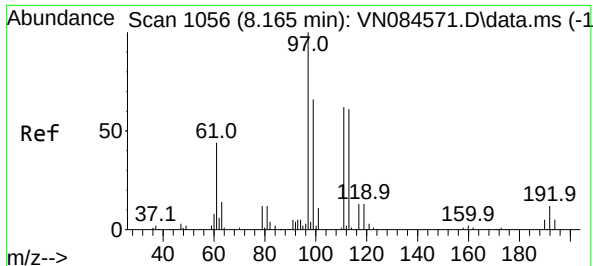
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.8

88 16.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.819 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

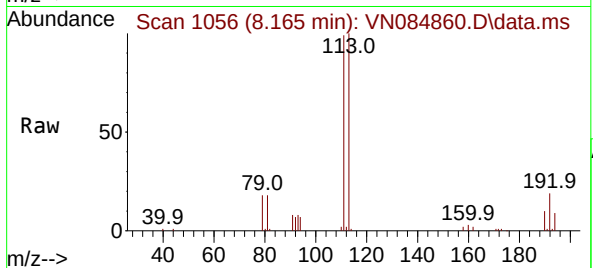
Lab File: VN084860.D

Acq: 14 Nov 2024 18:34

Instrument :

MSVOA_N

ClientSampleId :



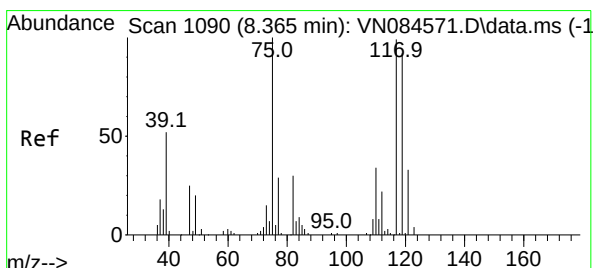
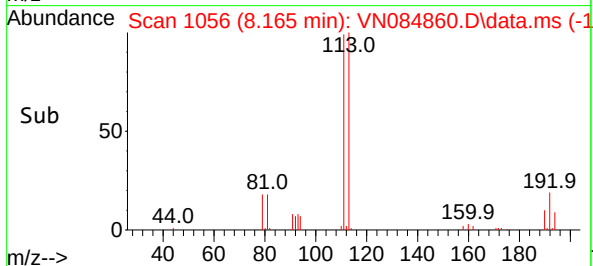
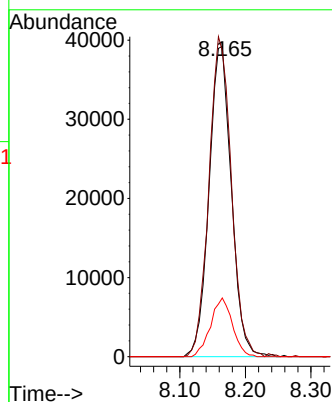
Tgt Ion:113 Resp: 92744

Ion Ratio Lower Upper

113 100

111 103.3 83.3 124.9

192 18.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.859 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084860.D

Acq: 14 Nov 2024 18:34

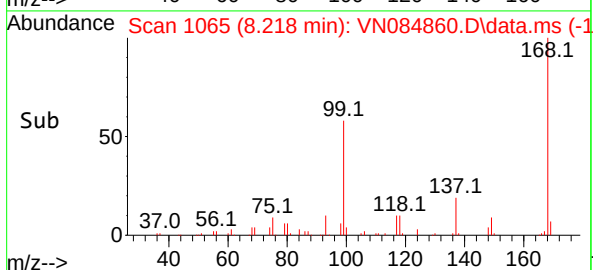
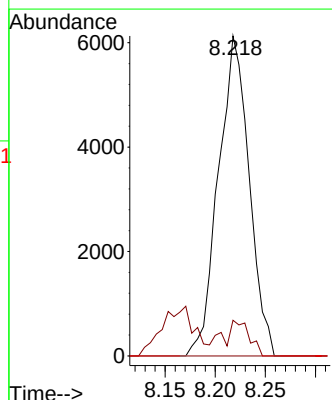
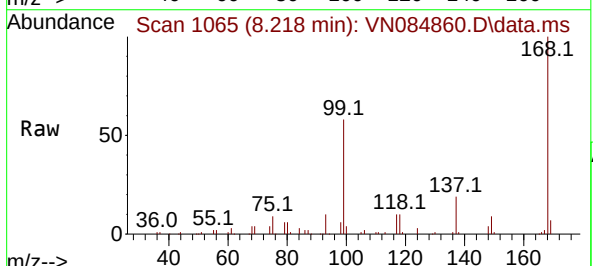
Tgt Ion: 75 Resp: 13070

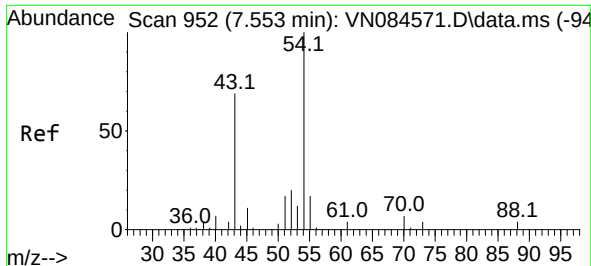
Ion Ratio Lower Upper

75 100

110 9.4 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.977 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

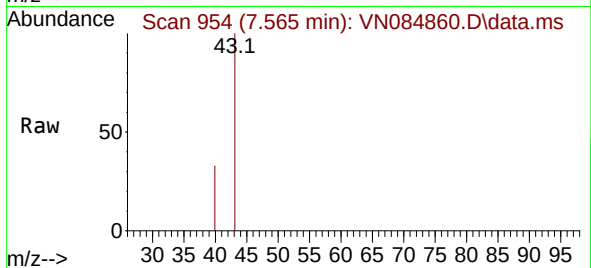
Lab File: VN084860.D

Acq: 14 Nov 2024 18:34

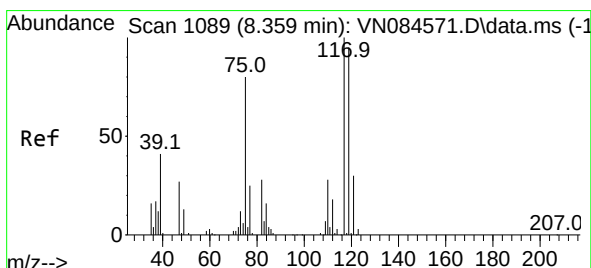
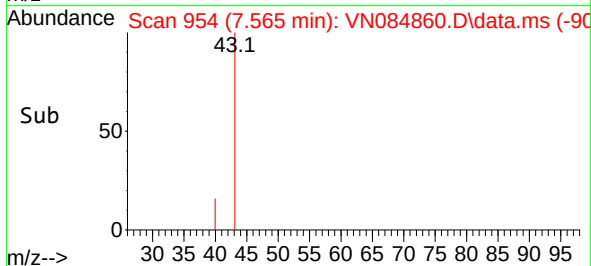
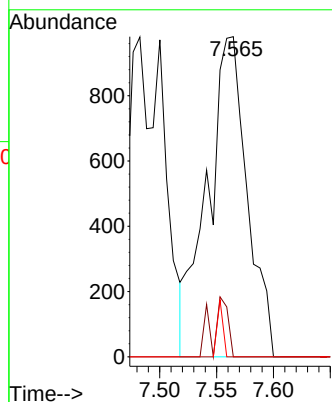
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2385
Ion	Ratio	Lower	Upper
43	100		
61	7.4	10.7	16.1#
70	2.6	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.630 ug/l

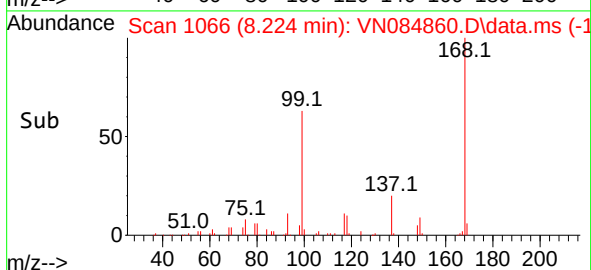
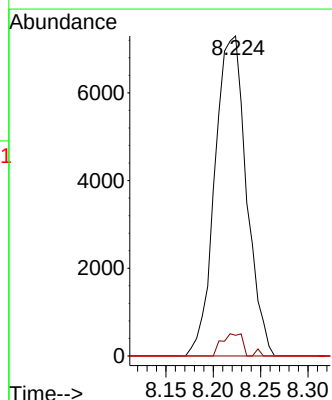
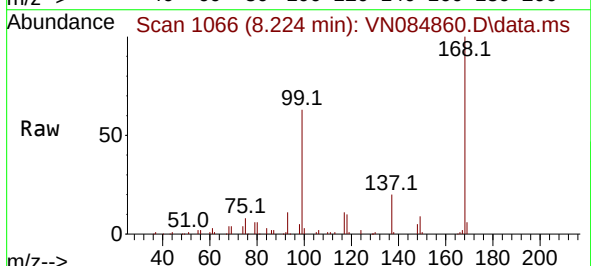
RT: 8.224 min Scan# 1066

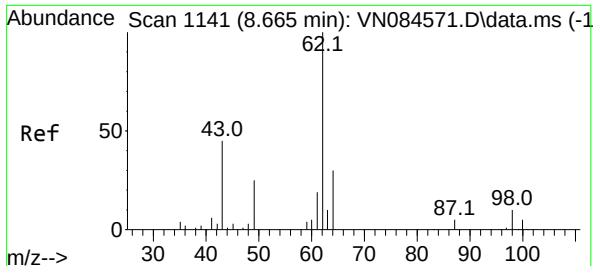
Delta R.T. -0.135 min

Lab File: VN084860.D

Acq: 14 Nov 2024 18:34

Tgt Ion:	117	Resp:	16926
Ion	Ratio	Lower	Upper
117	100		
119	6.4	78.7	118.1#
121	0.0	24.4	36.6#





#42

1,2-Dichloroethane

Concen: 0.303 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.023 min

Lab File: VN084860.D

Acq: 14 Nov 2024 18:34

Instrument :

MSVOA_N

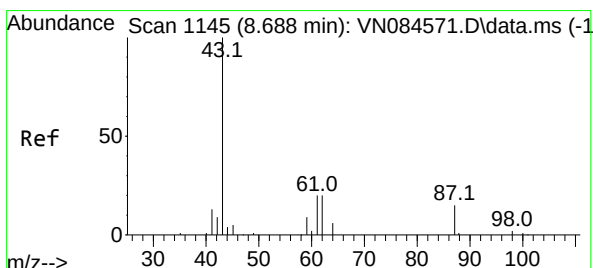
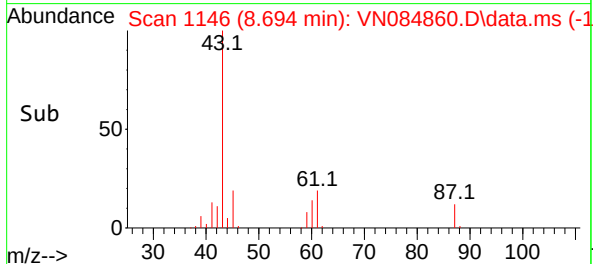
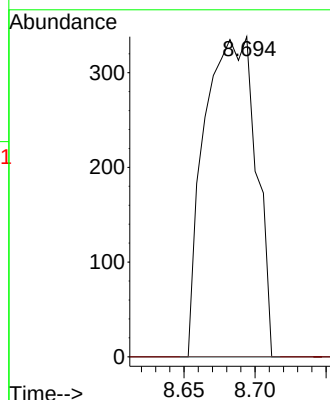
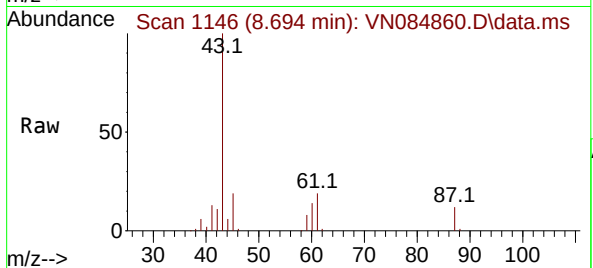
ClientSampleId :

Tgt Ion: 62 Resp: 848

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 32.672 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN084860.D

Acq: 14 Nov 2024 18:34

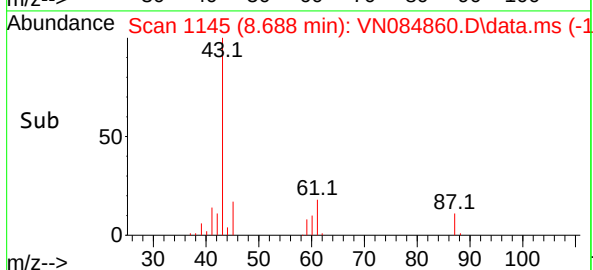
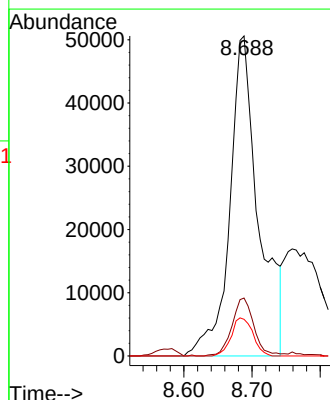
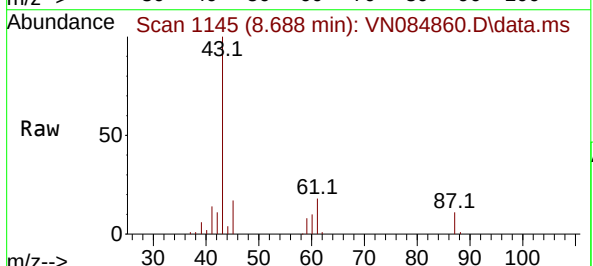
Tgt Ion: 43 Resp: 148811

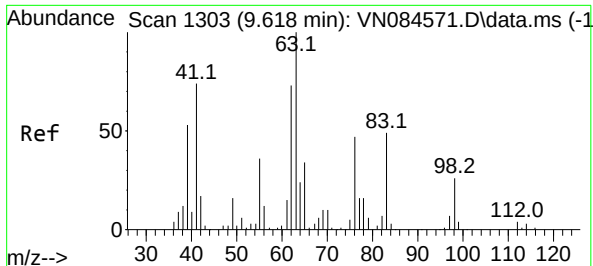
Ion Ratio Lower Upper

43 100

61 13.9 20.4 30.6#

87 8.9 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.601 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.123 min

Lab File: VN084860.D

Acq: 14 Nov 2024 18:34

Instrument :

MSVOA_N

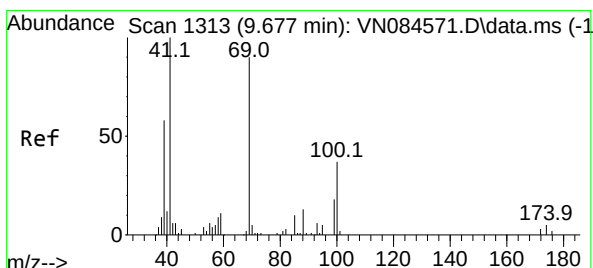
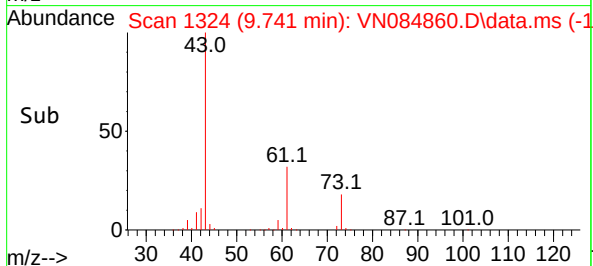
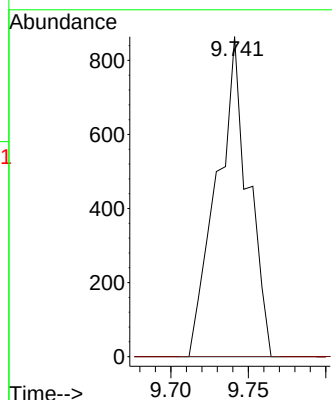
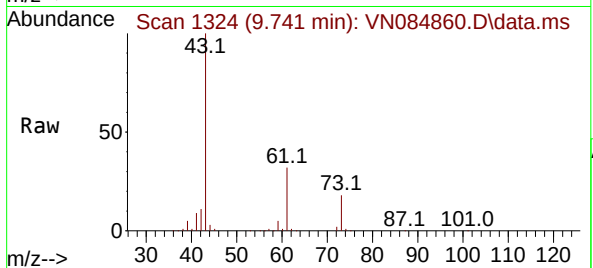
ClientSampleId :

Tgt Ion: 63 Resp: 1218

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.242 ug/l

RT: 9.659 min Scan# 1310

Delta R.T. -0.018 min

Lab File: VN084860.D

Acq: 14 Nov 2024 18:34

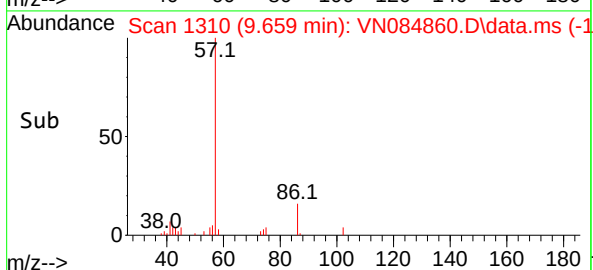
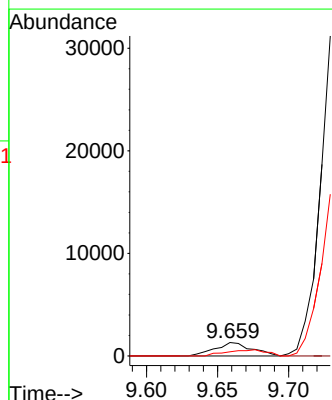
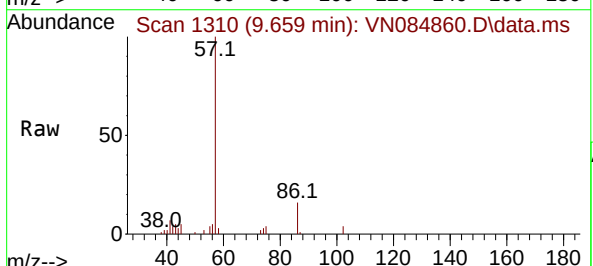
Tgt Ion: 41 Resp: 2359

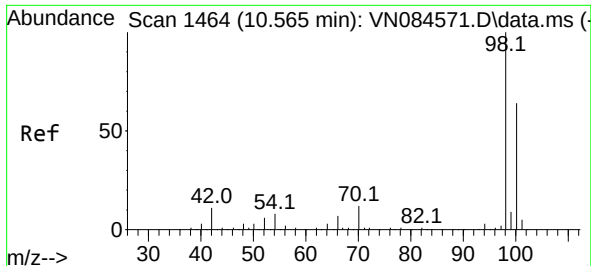
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 0.0 45.8 68.6#

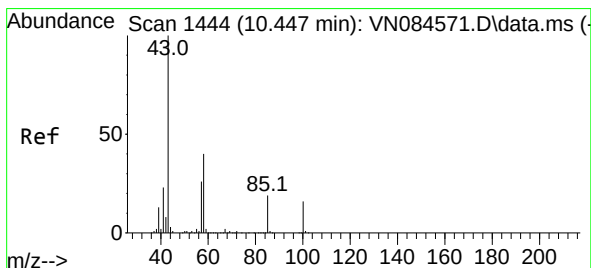
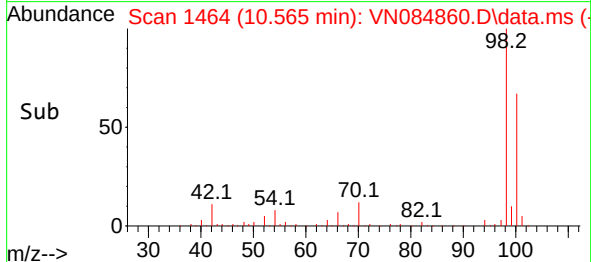
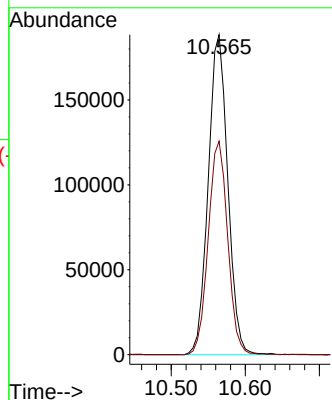
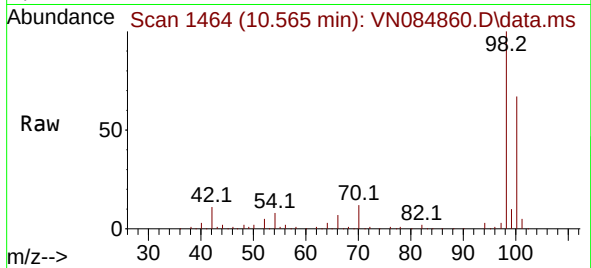




#50
Toluene-d8
Concen: 48.361 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

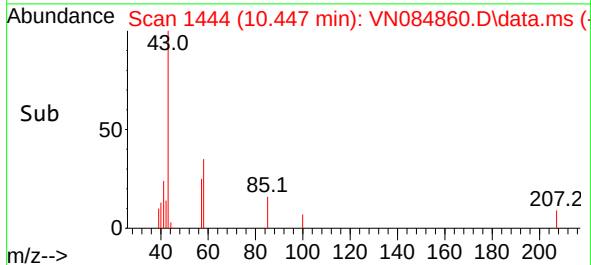
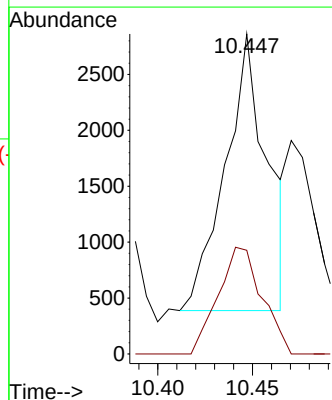
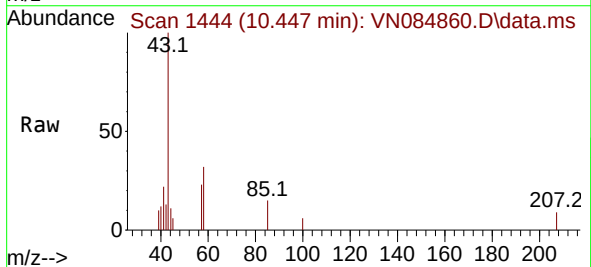
Instrument :
MSVOA_N
ClientSampleId :

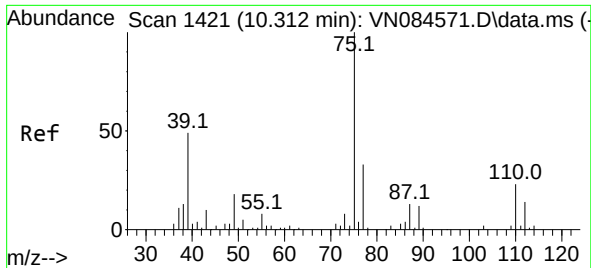
Tgt Ion: 98 Resp: 345511
Ion Ratio Lower Upper
98 100
100 66.4 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.628 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

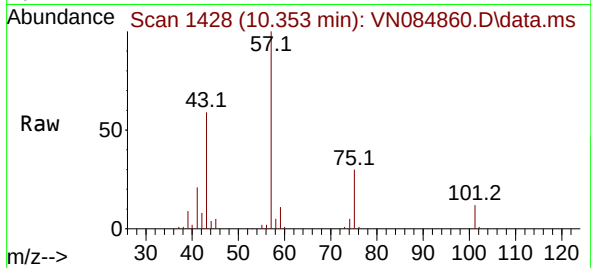
Tgt Ion: 43 Resp: 3788
Ion Ratio Lower Upper
43 100
58 40.5 31.6 47.4



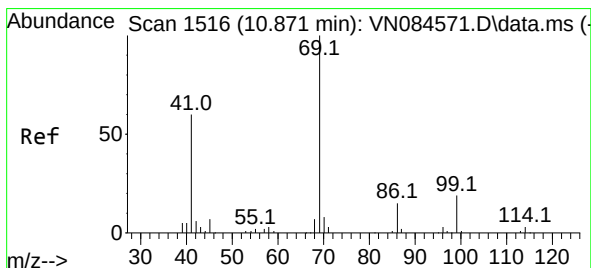
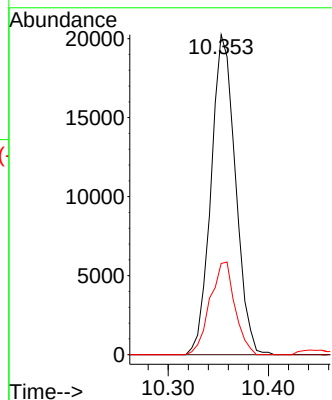
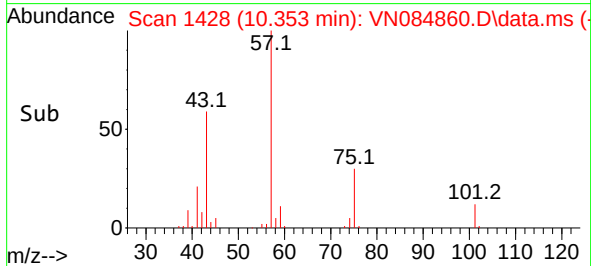


#54
 cis-1,3-Dichloropropene
 Concen: 10.365 ug/l
 RT: 10.353 min Scan# 1428
 Delta R.T. 0.041 min
 Lab File: VN084860.D
 Acq: 14 Nov 2024 18:34

Instrument :
 MSVOA_N
 ClientSampleId :

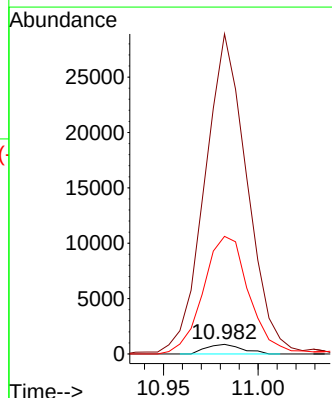
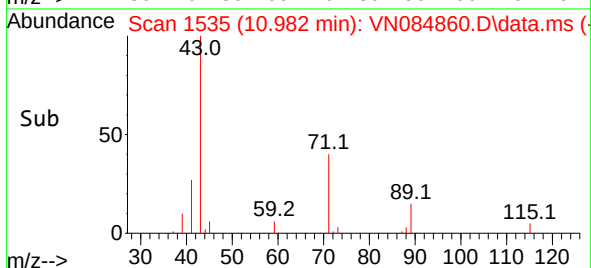
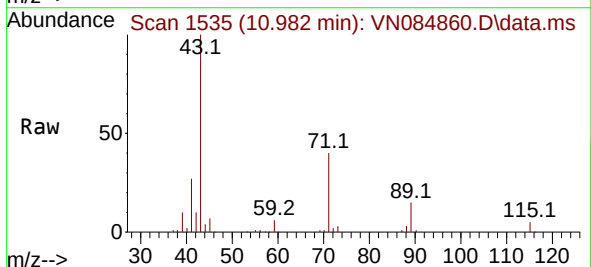


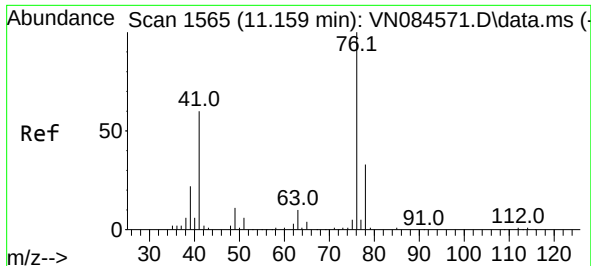
Tgt Ion: 75 Resp: 34226
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 28.5 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.418 ug/l
 RT: 10.982 min Scan# 1535
 Delta R.T. 0.112 min
 Lab File: VN084860.D
 Acq: 14 Nov 2024 18:34

Tgt Ion: 69 Resp: 1150
 Ion Ratio Lower Upper
 69 100
 41 3944.7 53.3 79.9#
 39 1565.8 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.347 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084860.D

Acq: 14 Nov 2024 18:34

Instrument :

MSVOA_N

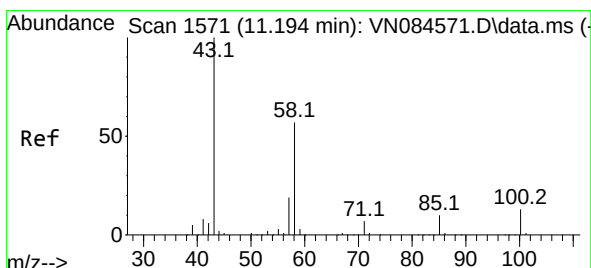
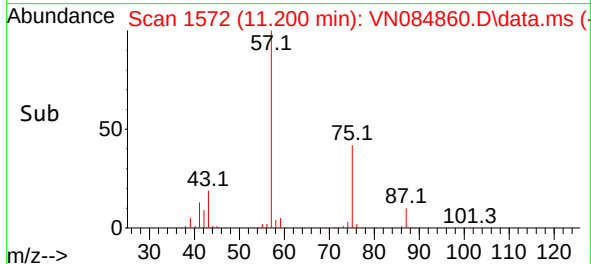
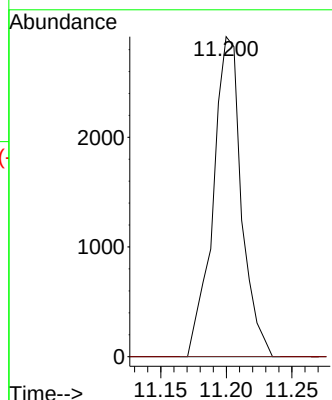
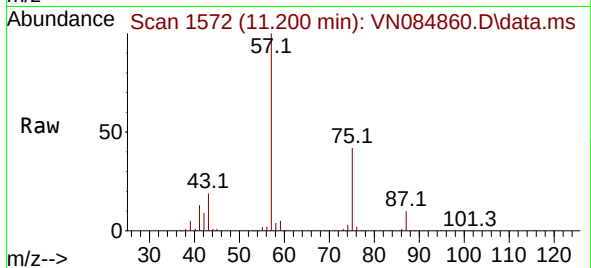
ClientSampleId :

Tgt Ion: 76 Resp: 4401

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 28.066 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084860.D

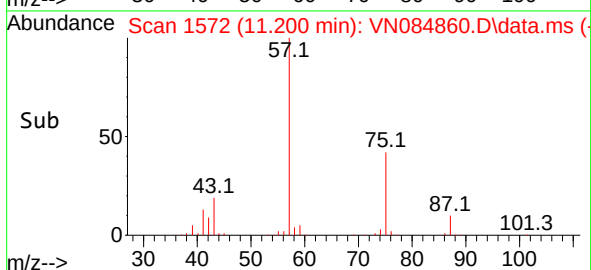
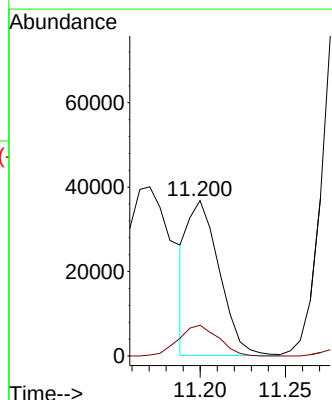
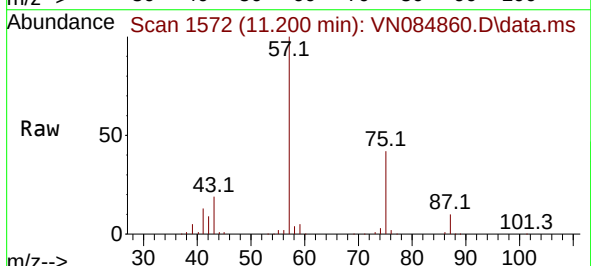
Acq: 14 Nov 2024 18:34

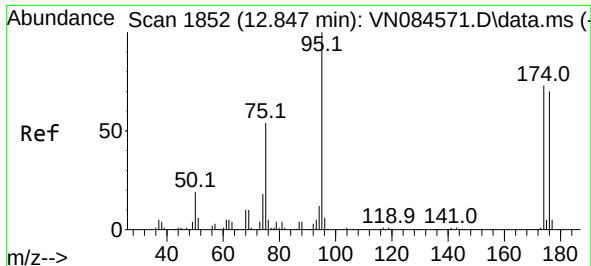
Tgt Ion: 43 Resp: 47528

Ion Ratio Lower Upper

43 100

58 25.0 27.3 81.8#

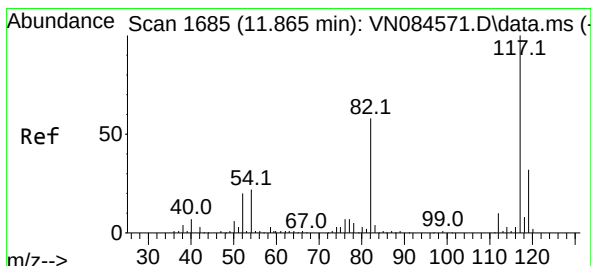
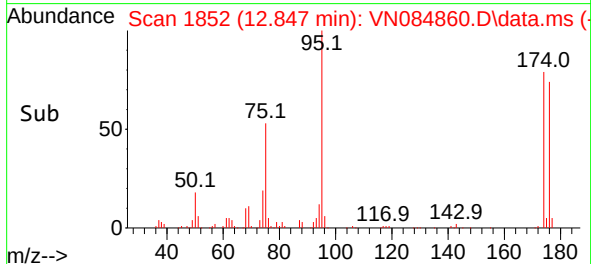
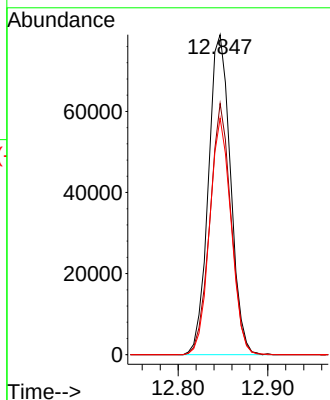
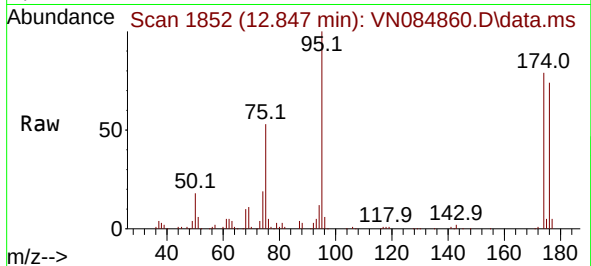




#62
4-Bromofluorobenzene
Concen: 50.557 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

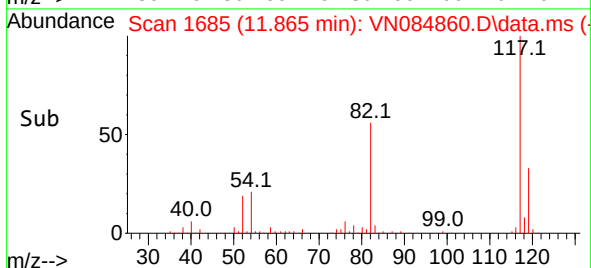
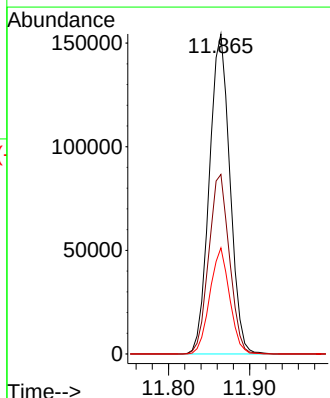
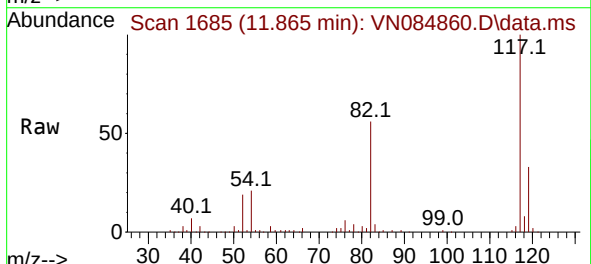
Instrument :
MSVOA_N
ClientSampleId :

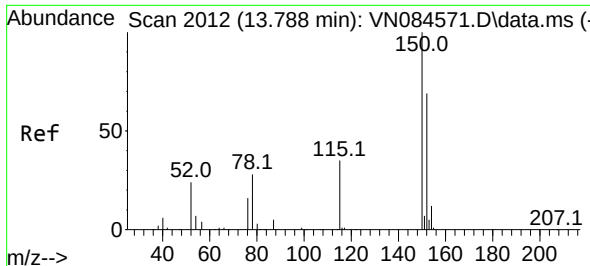
Tgt Ion: 95 Resp: 134993
Ion Ratio Lower Upper
95 100
174 75.3 0.0 145.2
176 71.6 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.001 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

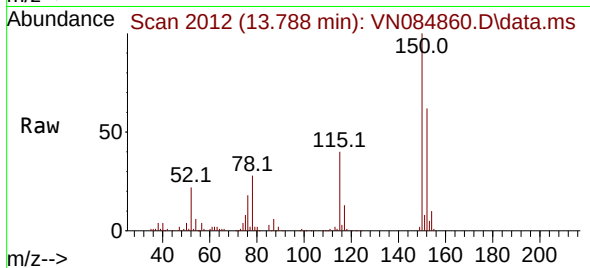
Tgt Ion: 117 Resp: 271750
Ion Ratio Lower Upper
117 100
82 56.1 47.2 70.8
119 33.2 25.4 38.0



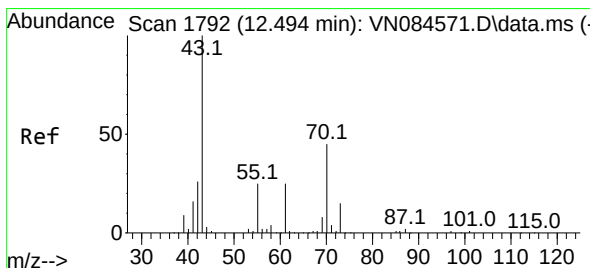
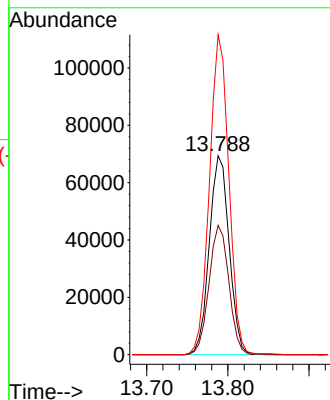
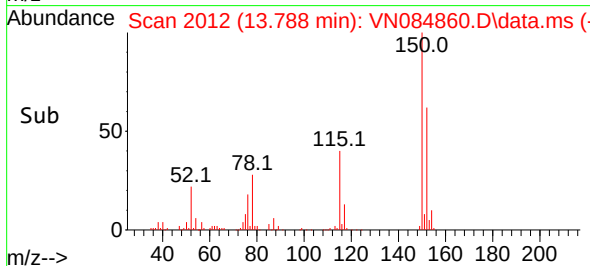


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN084860.D
 Acq: 14 Nov 2024 18:34

Instrument :
 MSVOA_N
 ClientSampleId :

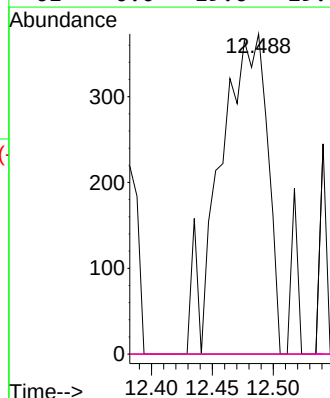
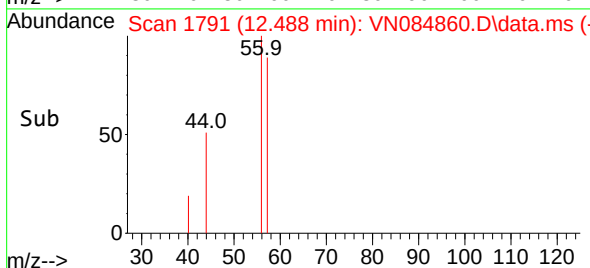
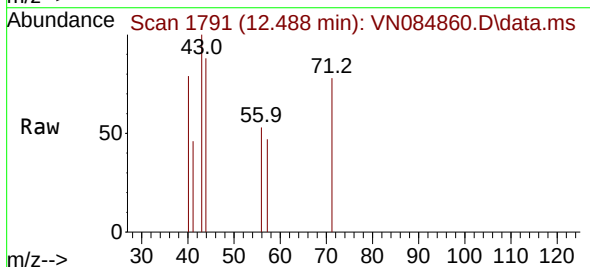


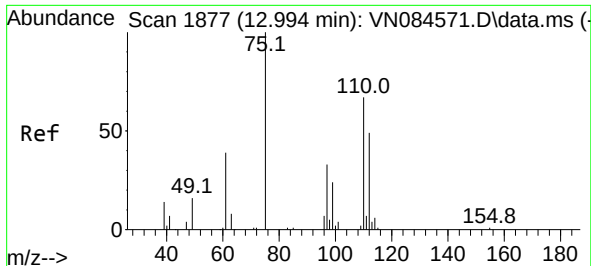
Tgt Ion:152 Resp: 118130
 Ion Ratio Lower Upper
 152 100
 115 64.8 31.3 93.9
 150 156.5 0.0 349.8



#74
 N-ethyl acetate
 Concen: 0.288 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.006 min
 Lab File: VN084860.D
 Acq: 14 Nov 2024 18:34

Tgt Ion: 43 Resp: 1013
 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#

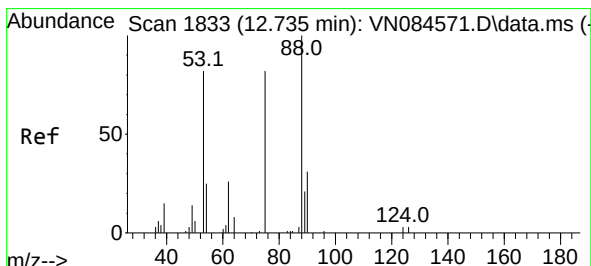
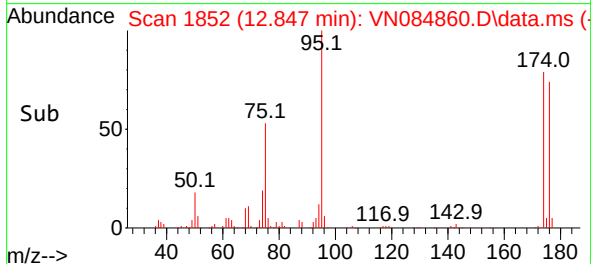
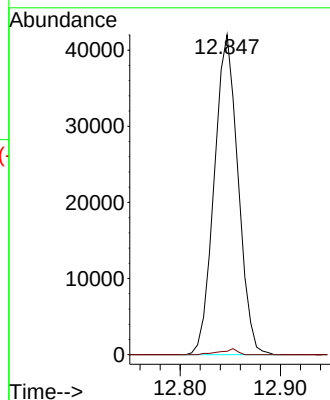
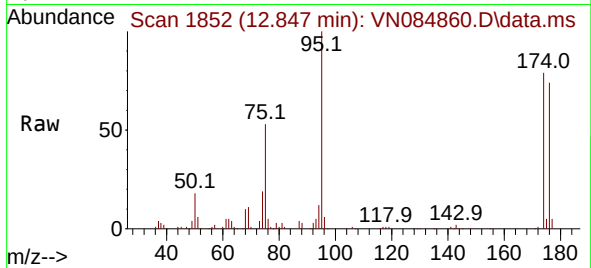




#76
1,2,3-Trichloropropane
Concen: 29.314 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

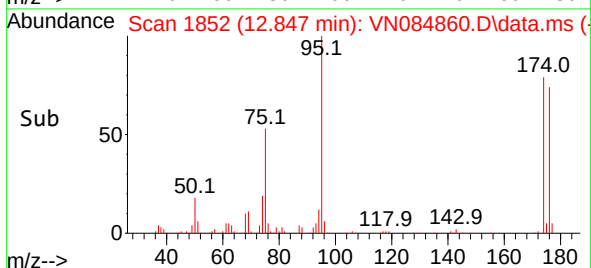
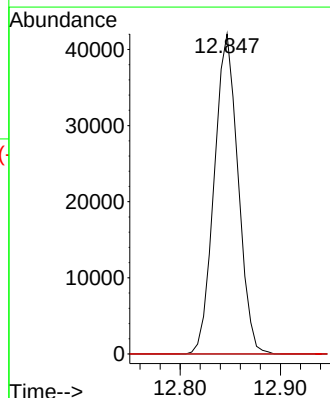
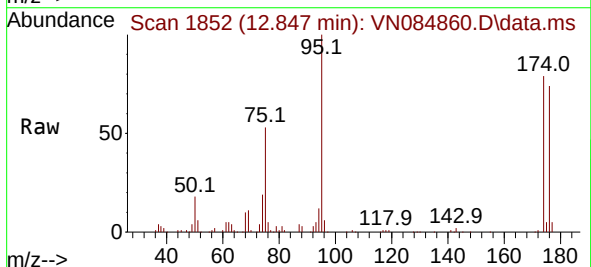
Instrument :
MSVOA_N
ClientSampleId :

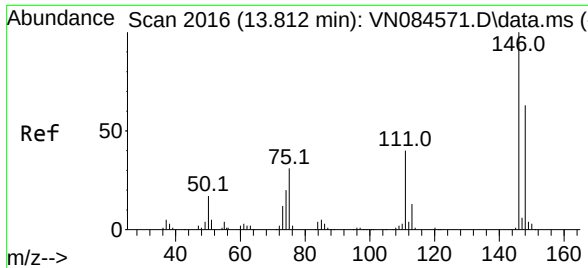
Tgt Ion: 75 Resp: 69222
Ion Ratio Lower Upper
75 100
77 1.3 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.546 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084860.D
Acq: 14 Nov 2024 18:34

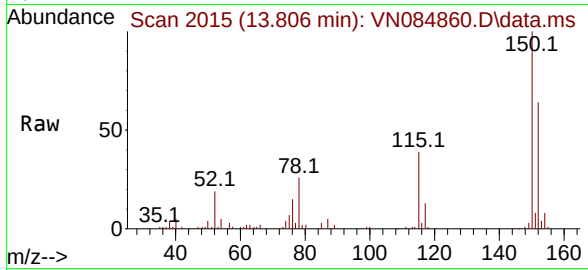
Tgt Ion: 75 Resp: 69222
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.806 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN084860.D
 Acq: 14 Nov 2024 18:34

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	146	Resp:	58
Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.2	63.6#
148	343.1	31.9	95.9#

