

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110424\
 Data File : VN084664.D
 Acq On : 04 Nov 2024 17:53
 Operator : JC\MD
 Sample : P4667-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

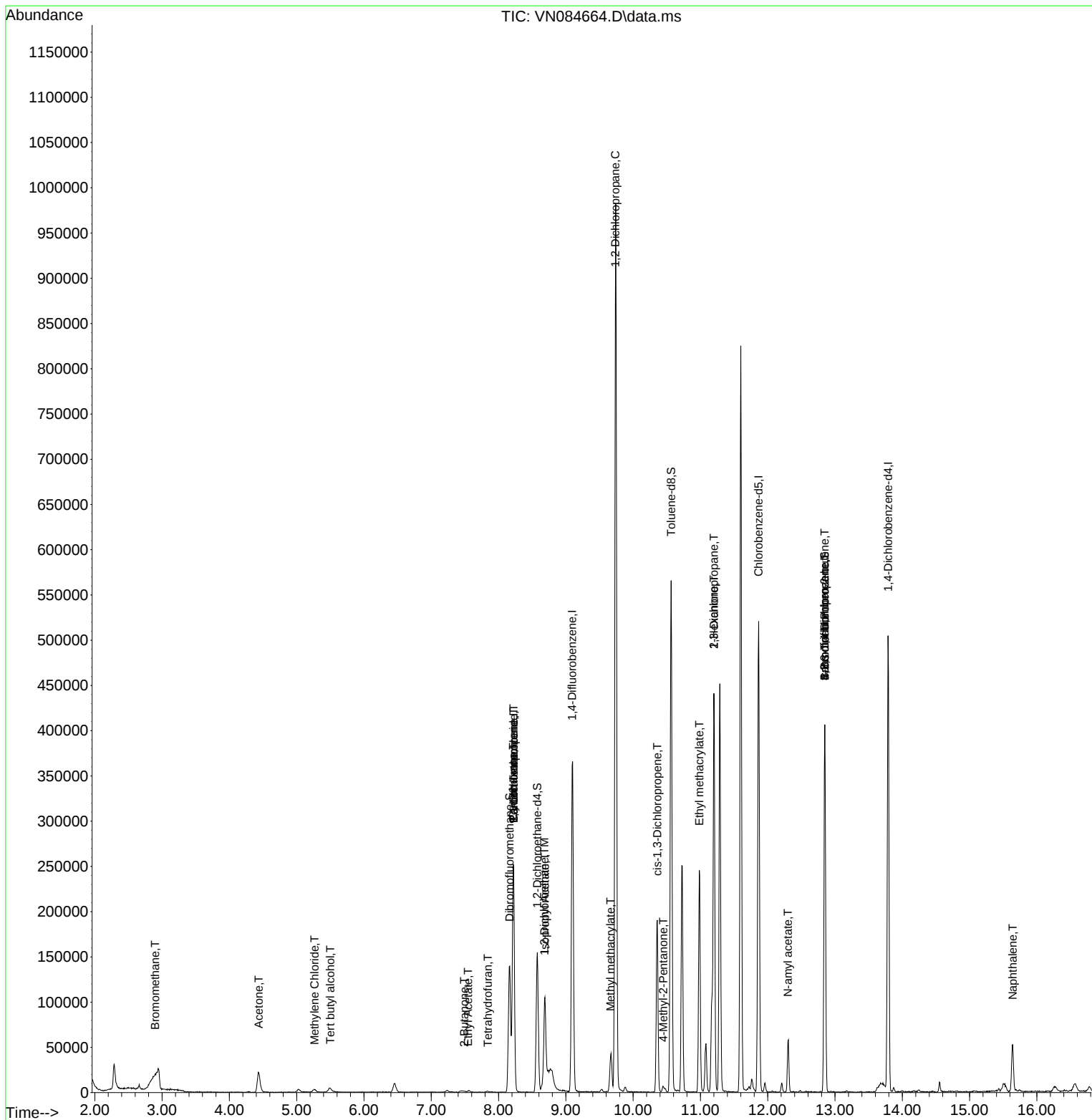
Quant Time: Nov 05 00:31:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	184060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.095	114	321647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	293397	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	133917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127113	47.815	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.620%		
35) Dibromofluoromethane	8.165	113	101996	46.848	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.700%		
50) Toluene-d8	10.565	98	389275	48.538	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.080%		
62) 4-Bromofluorobenzene	12.847	95	148006	49.379	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.760%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	594	Below Cal	#	41
5) Bromomethane	2.895	94	257	0.213	ug/l #	4
6) Chloroethane	3.048	64	377	Below Cal	#	45
11) Tert butyl alcohol	5.501	59	5347	15.238	ug/l #	73
16) Acetone	4.436	43	42363	52.917	ug/l	89
18) Methyl Acetate	5.024	43	6581	Below Cal		94
20) Methylene Chloride	5.265	84	2507	1.072	ug/l #	62
25) 2-Butanone	7.489	43	2205	1.778	ug/l	97
29) Tetrahydrofuran	7.842	42	216	0.263	ug/l #	34
31) Cyclohexane	8.218	56	4107	1.119	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	15097	5.000	ug/l #	52
37) Ethyl Acetate	7.548	43	3231	1.179	ug/l #	71
38) Carbon Tetrachloride	8.224	117	19884	5.892	ug/l #	14
42) 1,2-Dichloroethane	8.683	62	824	0.262	ug/l #	75
43) Isopropyl Acetate	8.689	43	137073	26.633	ug/l #	85
45) 1,2-Dichloropropane	9.736	63	1339	0.589	ug/l #	44
48) Methyl methacrylate	9.665	41	2612	1.225	ug/l #	43
51) 4-Methyl-2-Pentanone	10.447	43	8169	3.128	ug/l #	69
54) cis-1,3-Dichloropropene	10.359	75	34813	9.392	ug/l #	60
56) Ethyl methacrylate	10.983	69	1055	0.341	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4537	1.237	ug/l #	42
59) 2-Hexanone	11.200	43	54165	28.494	ug/l #	55
71) Bromoform	12.847	173	692	0.403	ug/l #	1
74) N-amyl acetate	12.300	43	17564	4.397	ug/l #	52
76) 1,2,3-Trichloropropane	12.847	75	74429	27.804	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74429	65.962	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	55	Below Cal	#	1
95) Naphthalene	15.641	128	52011	6.710	ug/l	99

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

Quant Time: Nov 05 00:31:46 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

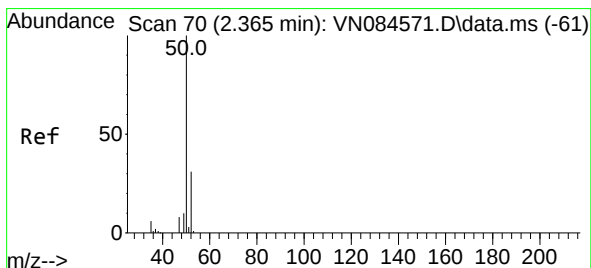
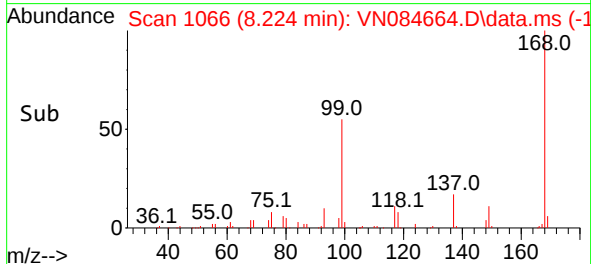
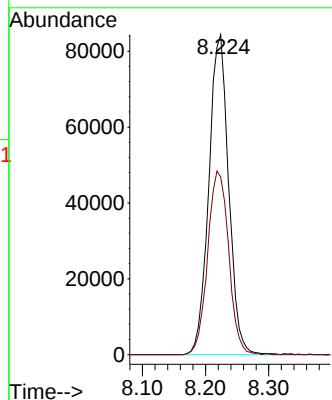
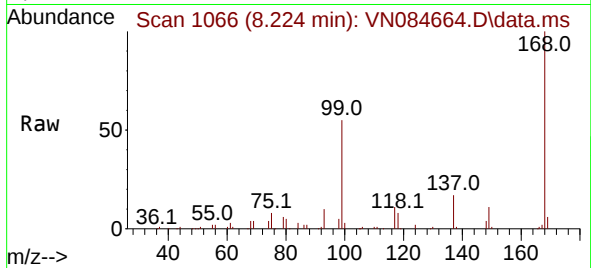




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

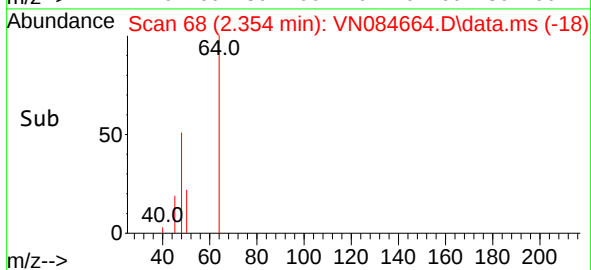
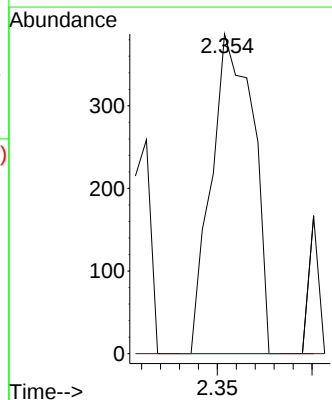
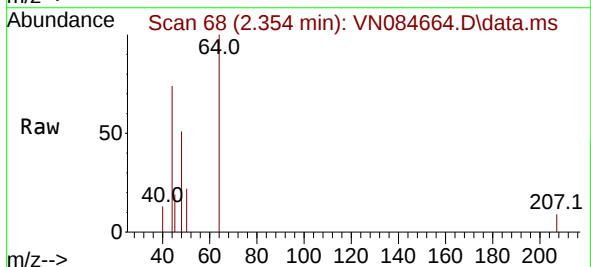
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 184060
Ion Ratio Lower Upper
168 100
99 55.5 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

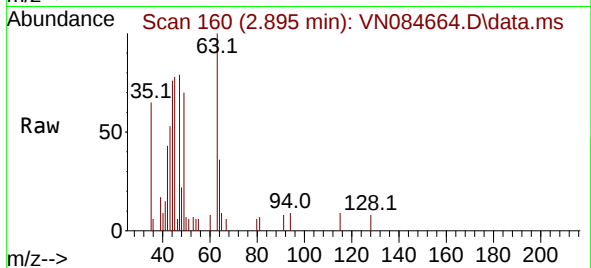
Tgt Ion: 50 Resp: 594
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



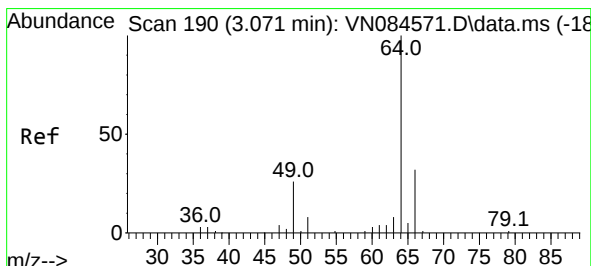
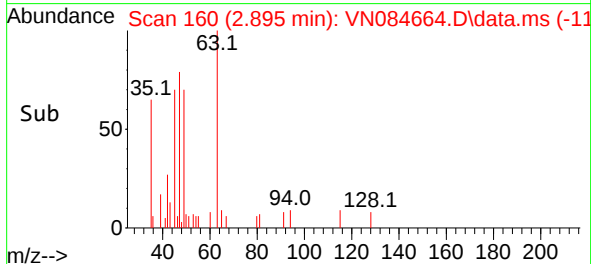
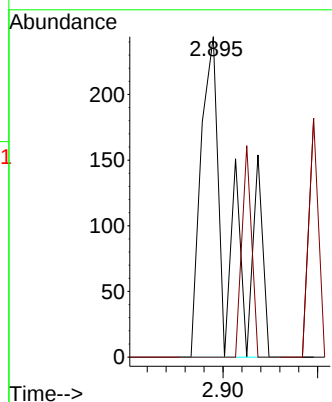


#5
Bromomethane
Concen: 0.213 ug/l
RT: 2.895 min Scan# 11
Delta R.T. -0.058 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

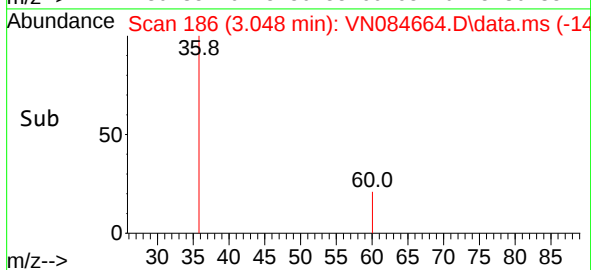
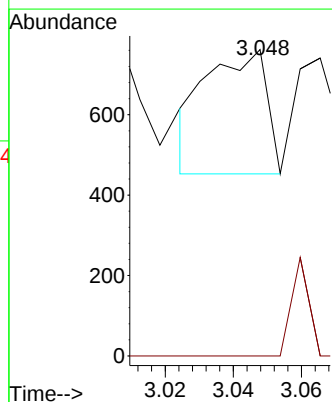
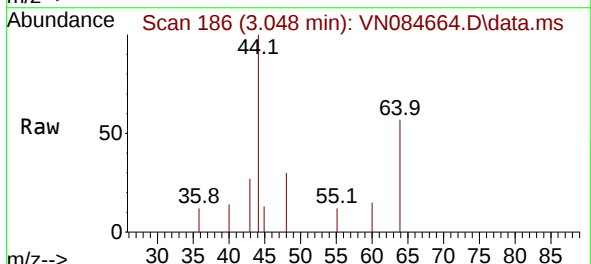


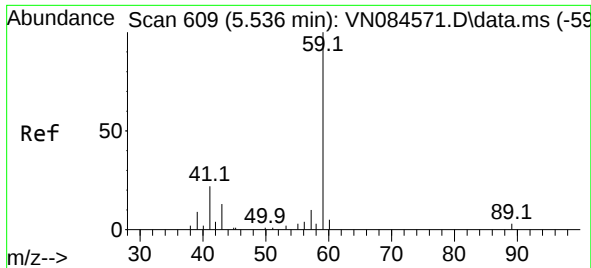
Tgt Ion: 94 Resp: 257
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.048 min Scan# 186
Delta R.T. -0.070 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Tgt Ion: 64 Resp: 377
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

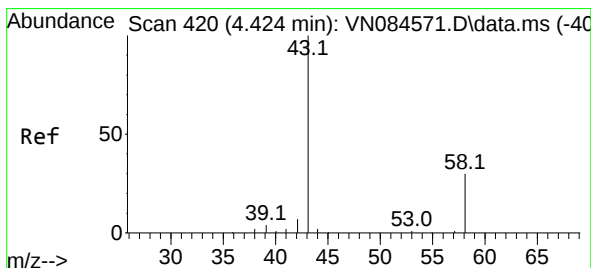
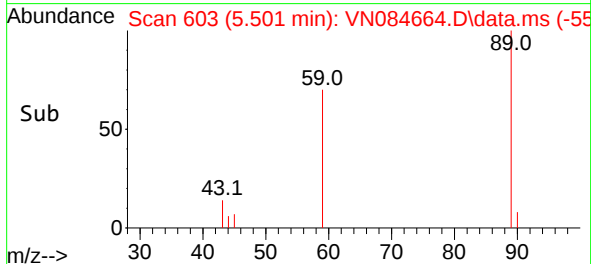
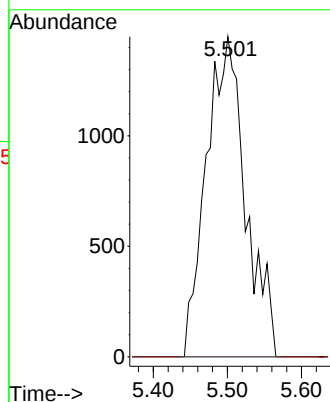
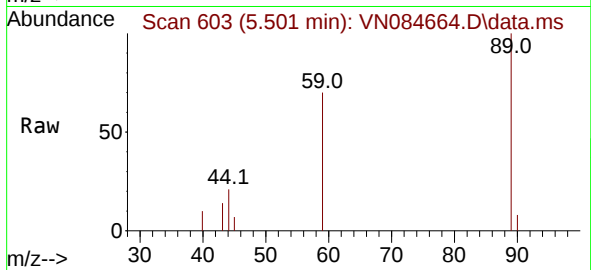




#11
Tert butyl alcohol
Concen: 15.238 ug/l
RT: 5.501 min Scan# 609
Delta R.T. -0.023 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

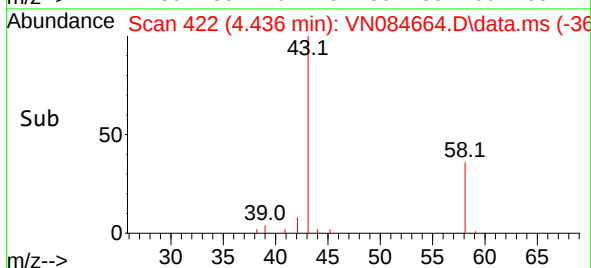
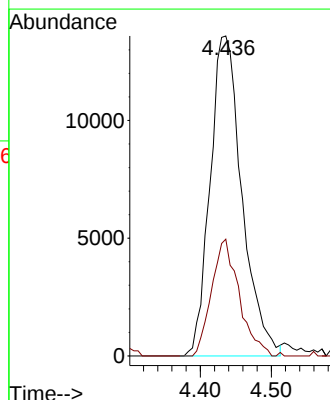
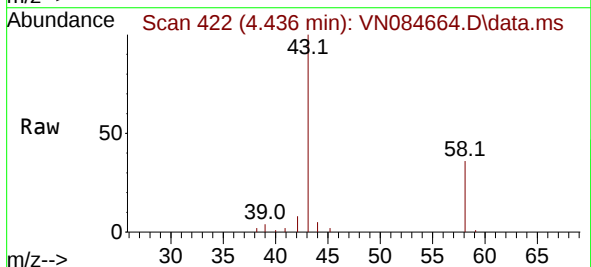
Instrument :
MSVOA_N
ClientSampleId :

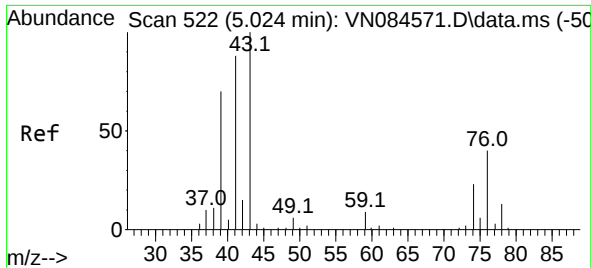
Tgt Ion: 59 Resp: 5347
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 52.917 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Tgt Ion: 43 Resp: 42363
Ion Ratio Lower Upper
43 100
58 36.5 24.4 36.6

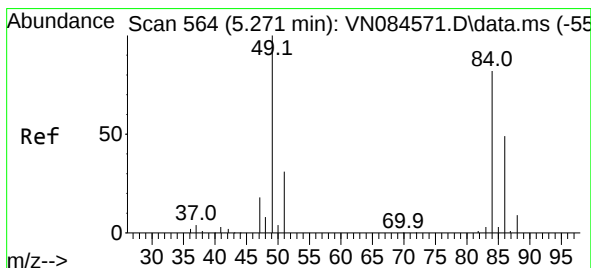
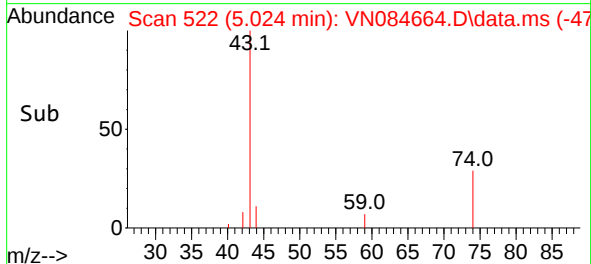
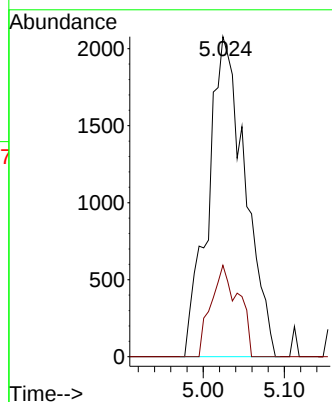
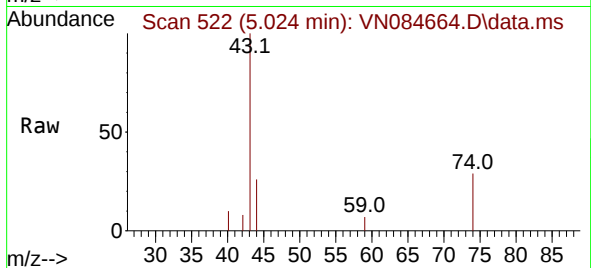




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

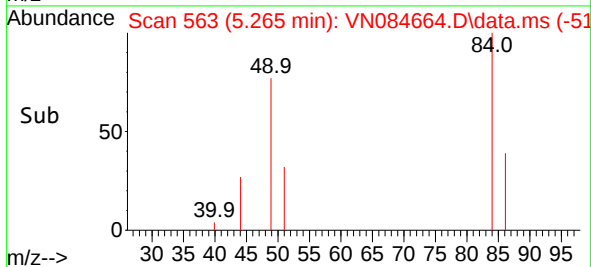
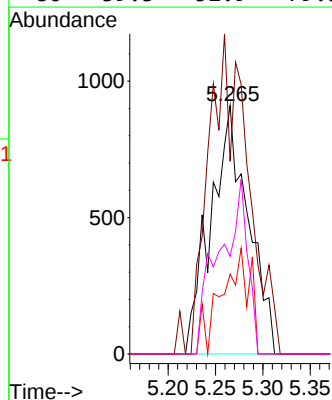
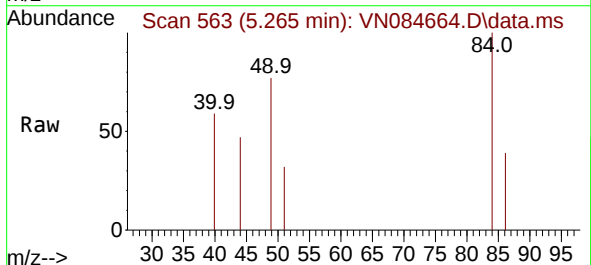
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 43 Resp: 6581
Ion Ratio Lower Upper
43 100
74 21.3 19.2 28.8



#20
Methylene Chloride
Concen: 1.072 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

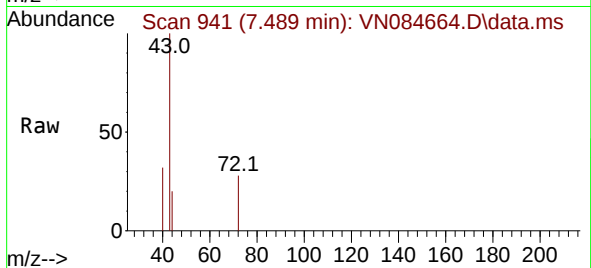
Tgt Ion: 84 Resp: 2507
Ion Ratio Lower Upper
84 100
49 77.5 107.2 160.8#
51 32.2 31.8 47.8
86 39.3 52.9 79.3#



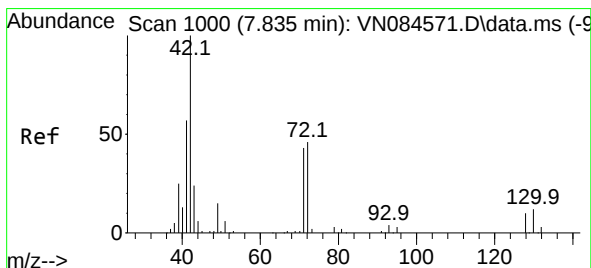
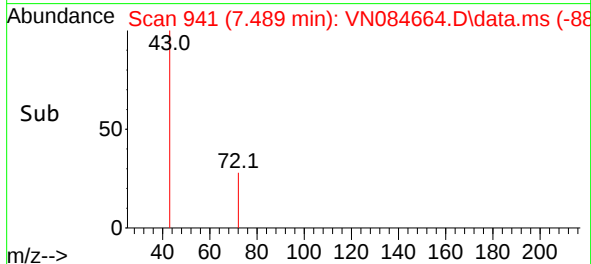
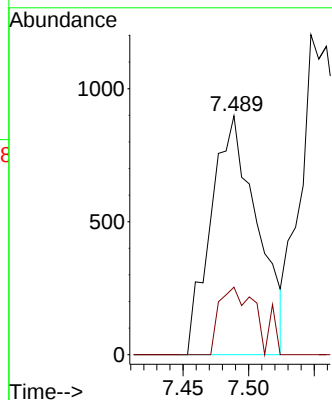


#25
2-Butanone
Concen: 1.778 ug/l
RT: 7.489 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

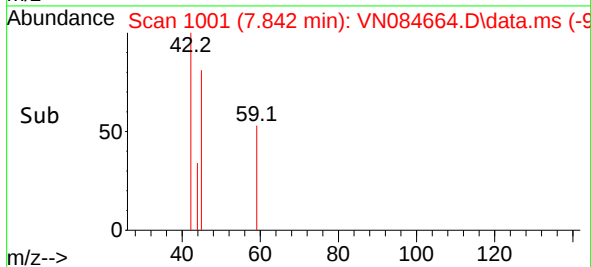
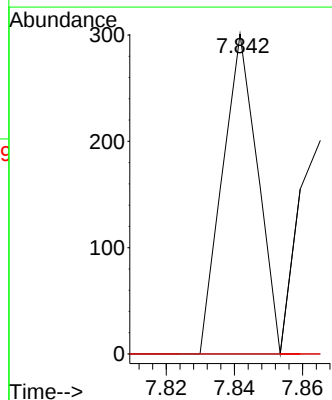
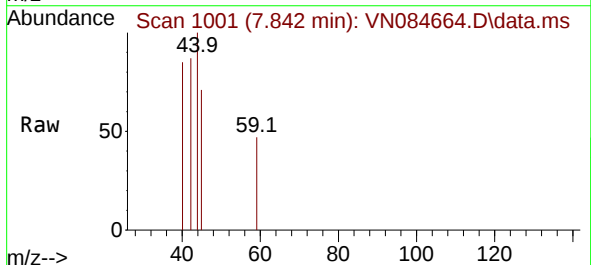


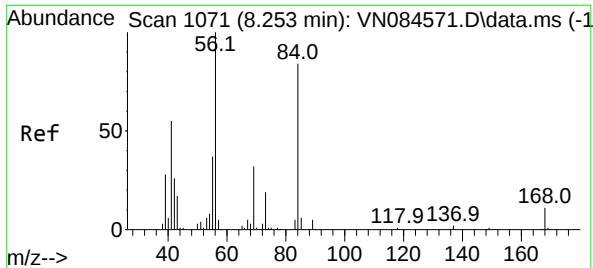
Tgt Ion: 43 Resp: 2205
Ion Ratio Lower Upper
43 100
72 28.3 21.4 32.2



#29
Tetrahydrofuran
Concen: 0.263 ug/l
RT: 7.842 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

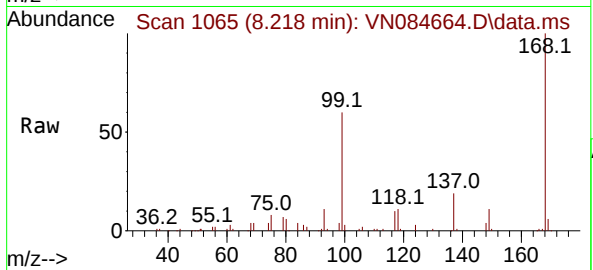
Tgt Ion: 42 Resp: 216
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.2 48.4#



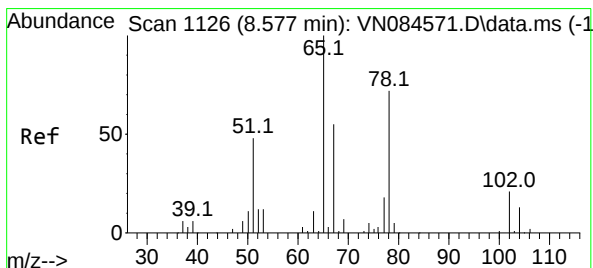
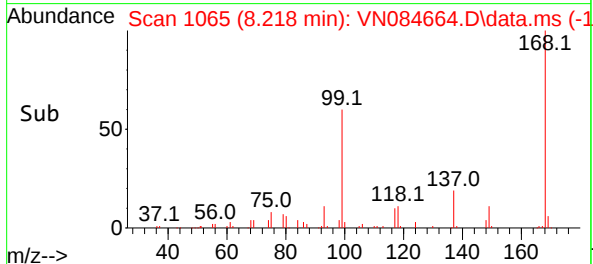
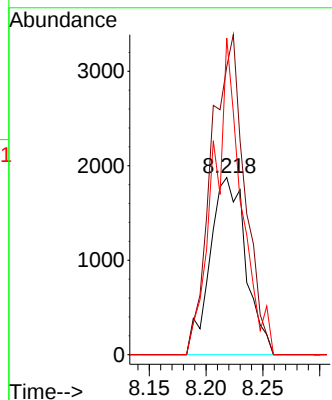


#31
Cyclohexane
Concen: 1.119 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

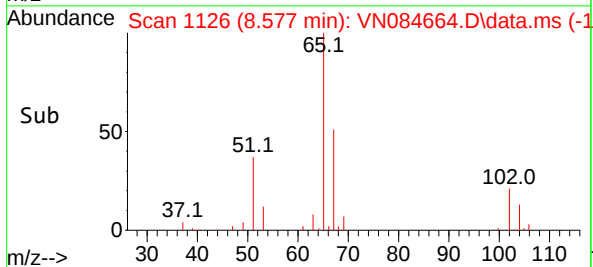
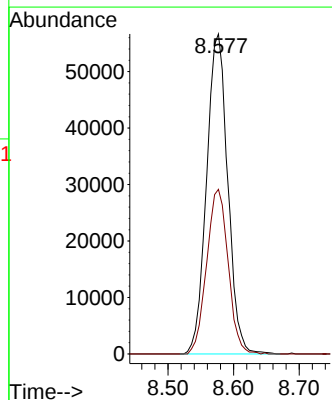
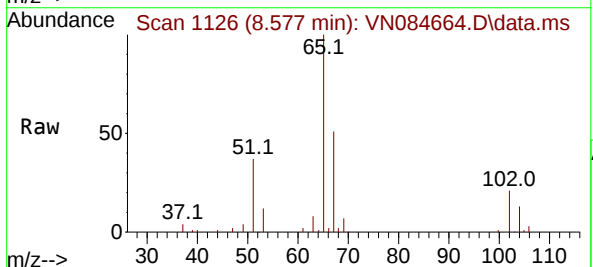


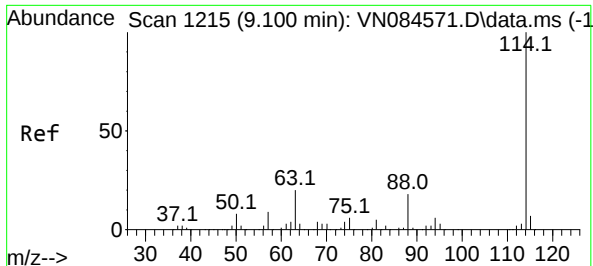
Tgt Ion: 56 Resp: 4107
Ion Ratio Lower Upper
56 100
69 162.5 23.8 35.6#
84 178.6 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 47.815 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Tgt Ion: 65 Resp: 127113
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.095 min Scan# 11

Delta R.T. -0.005 min

Lab File: VN084664.D

Acq: 04 Nov 2024 17:53

Instrument :

MSVOA_N

ClientSampleId :

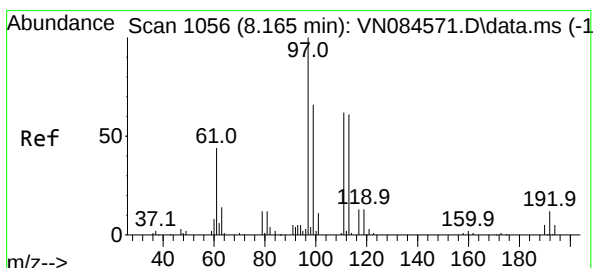
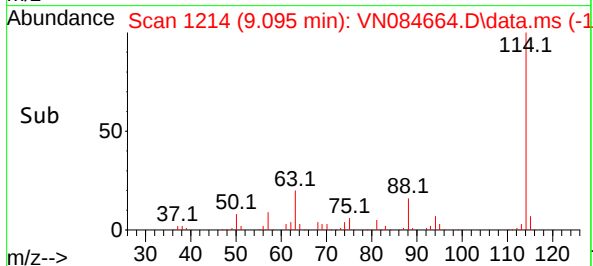
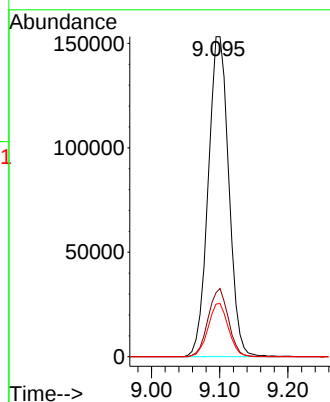
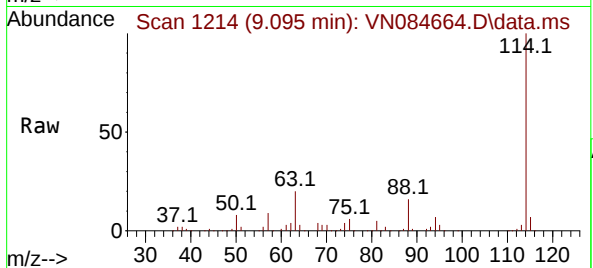
Tgt Ion:114 Resp: 321647

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.8

88 16.5 0.0 31.6



#35

Dibromofluoromethane

Concen: 46.848 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084664.D

Acq: 04 Nov 2024 17:53

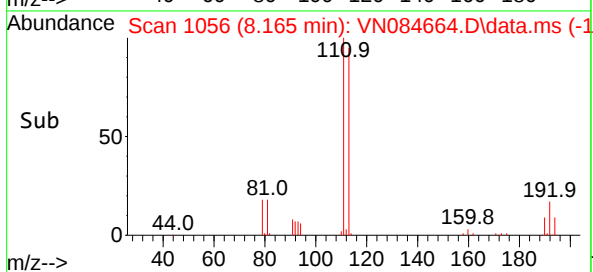
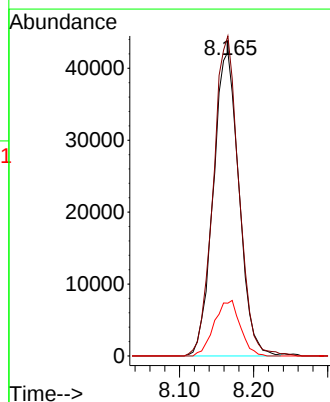
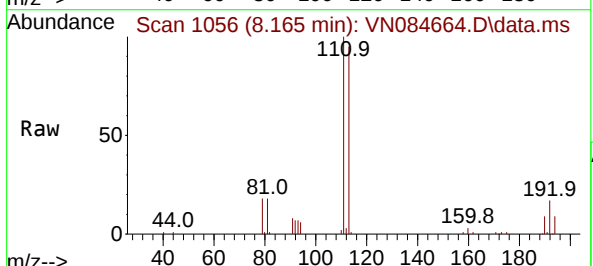
Tgt Ion:113 Resp: 101996

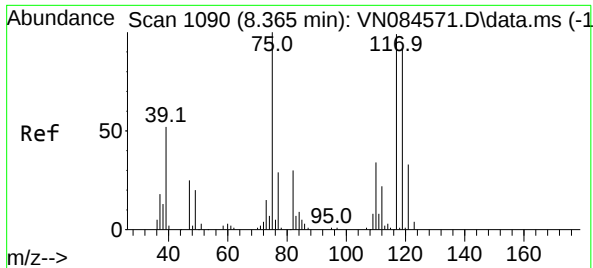
Ion Ratio Lower Upper

113 100

111 104.4 83.3 124.9

192 18.4 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

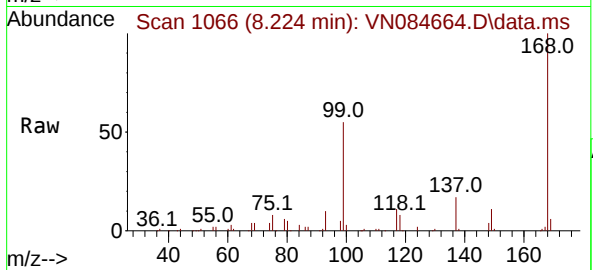
Lab File: VN084664.D

Acq: 04 Nov 2024 17:53

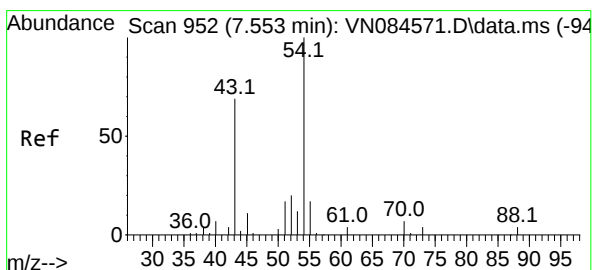
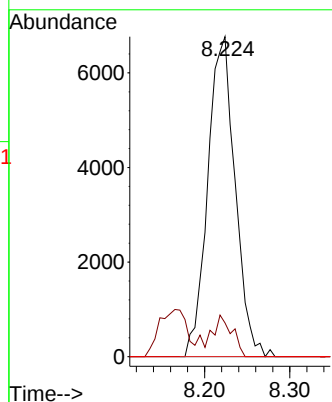
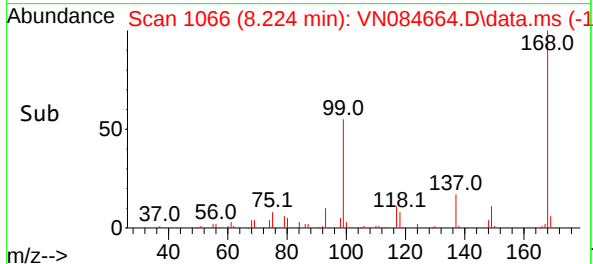
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	15097
Ion	Ratio	Lower	Upper
75	100		
110	10.6	16.9	50.7#
77	0.0	24.7	37.1#



#37

Ethyl Acetate

Concen: 1.179 ug/l

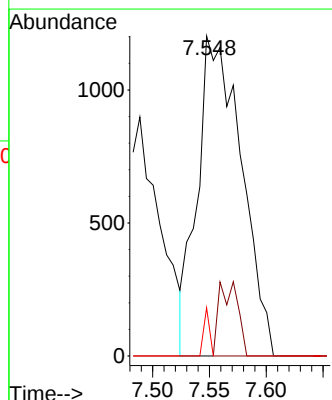
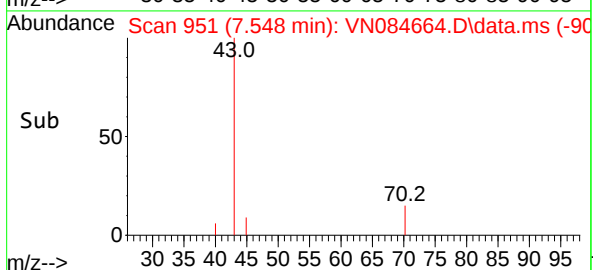
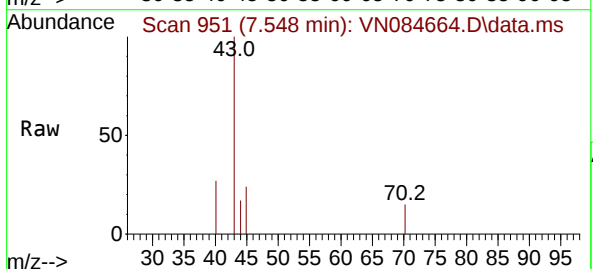
RT: 7.548 min Scan# 951

Delta R.T. -0.012 min

Lab File: VN084664.D

Acq: 04 Nov 2024 17:53

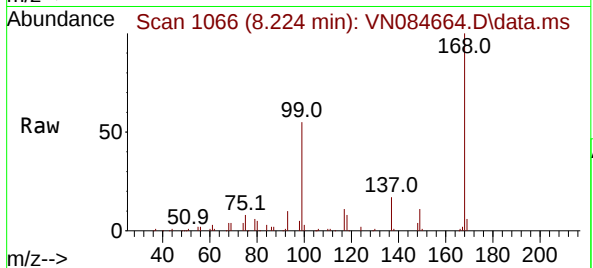
Tgt Ion:	43	Resp:	3231
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	2.0	8.8	13.2#



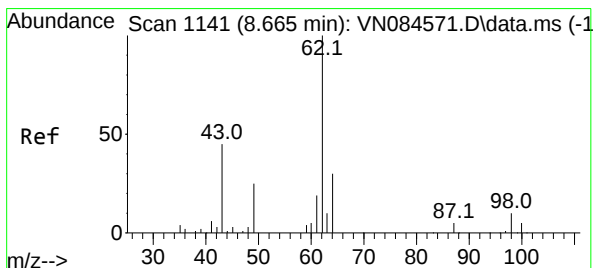
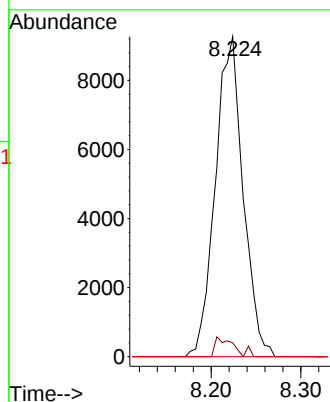
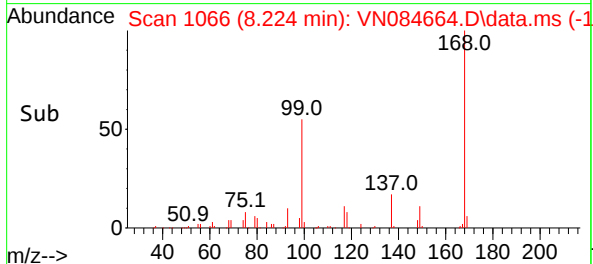


#38
Carbon Tetrachloride
Concen: 5.892 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :

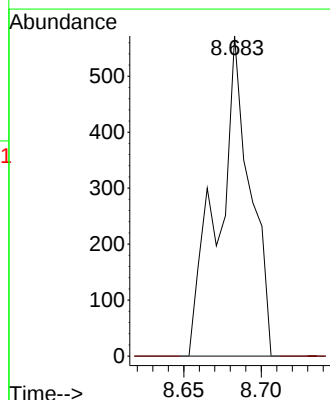
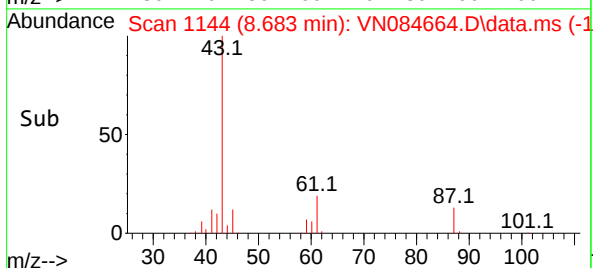
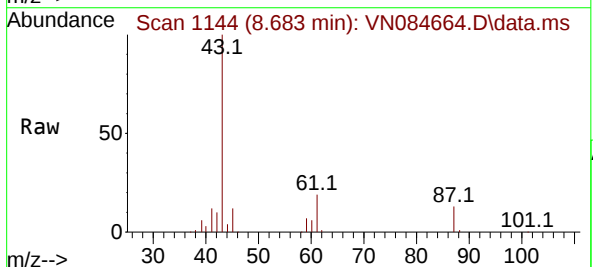


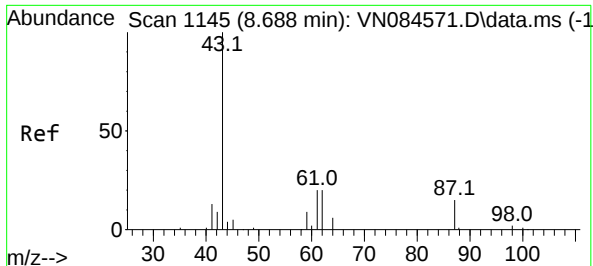
Tgt Ion:117 Resp: 19884
Ion Ratio Lower Upper
117 100
119 4.3 78.7 118.1#
121 0.0 24.4 36.6#



#42
1,2-Dichloroethane
Concen: 0.262 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. 0.012 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Tgt Ion: 62 Resp: 824
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2

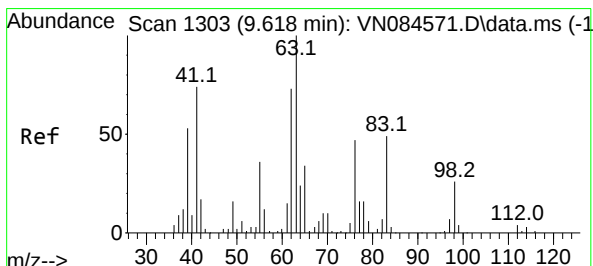
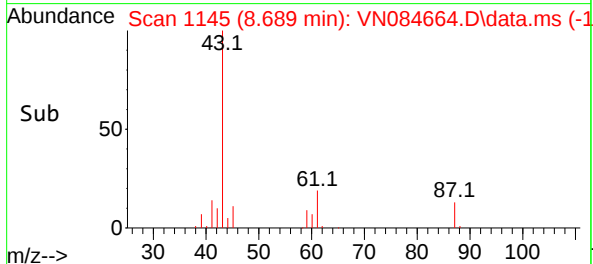
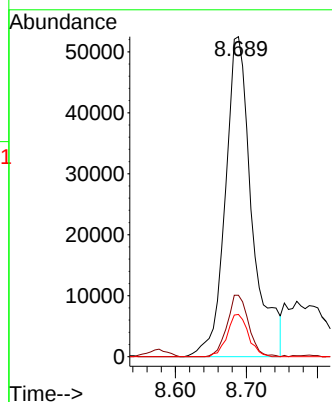
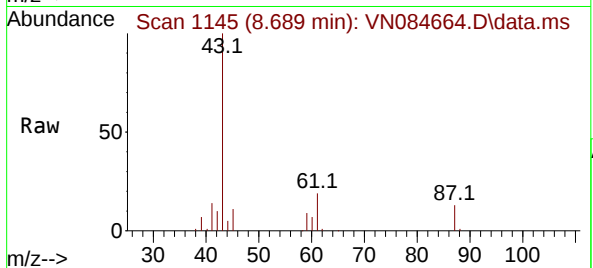




#43
Isopropyl Acetate
Concen: 26.633 ug/l
RT: 8.689 min Scan# 1145
Delta R.T. 0.001 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

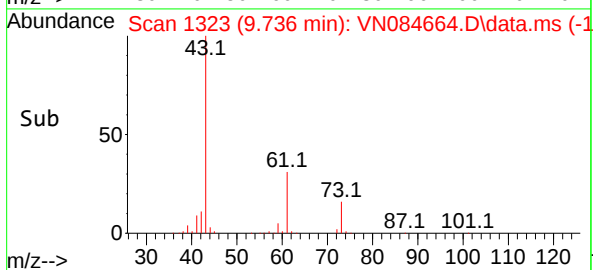
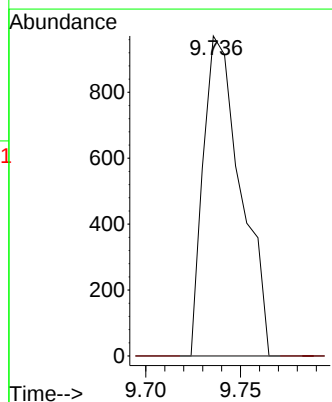
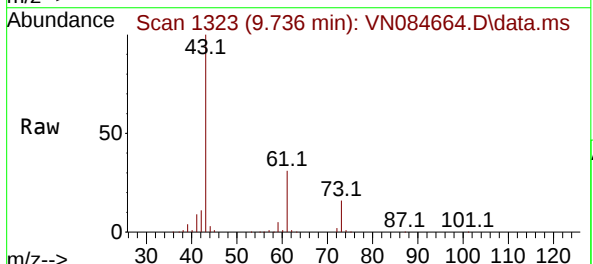
Instrument :
MSVOA_N
ClientSampleId :

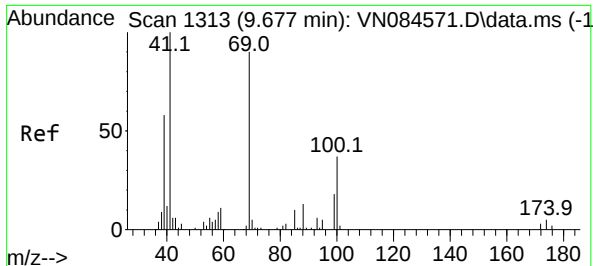
Tgt Ion: 43 Resp: 137073
Ion Ratio Lower Upper
43 100
61 15.5 20.4 30.6#
87 10.5 10.3 15.5



#45
1,2-Dichloropropane
Concen: 0.589 ug/l
RT: 9.736 min Scan# 1323
Delta R.T. 0.118 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Tgt Ion: 63 Resp: 1339
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#





#48

Methyl methacrylate

Concen: 1.225 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.011 min

Lab File: VN084664.D

Acq: 04 Nov 2024 17:53

Instrument :

MSVOA_N

ClientSampleId :

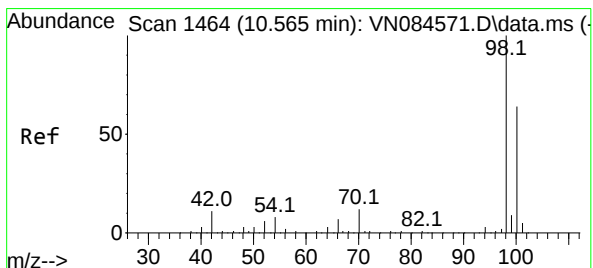
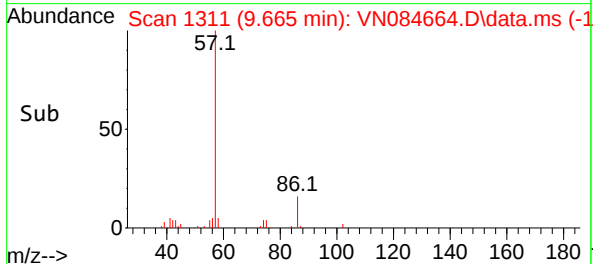
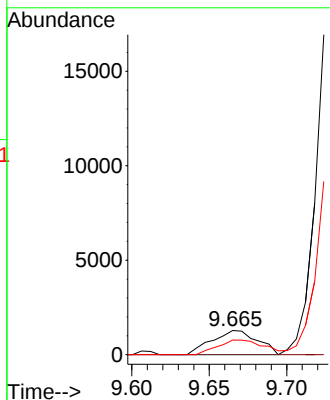
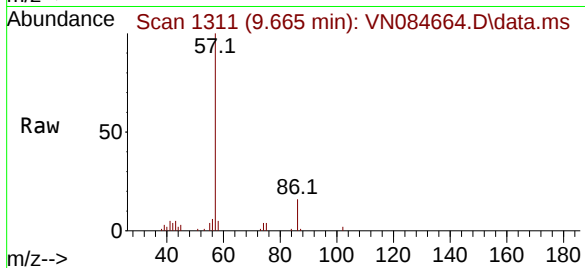
Tgt Ion: 41 Resp: 2612

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 60.9 45.8 68.6



#50

Toluene-d8

Concen: 48.538 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084664.D

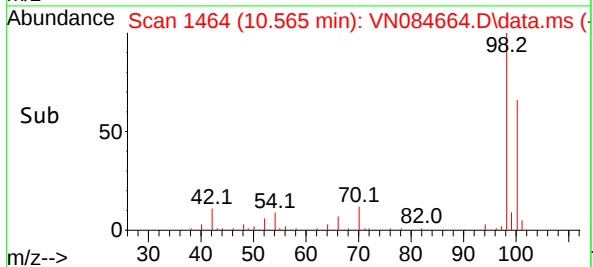
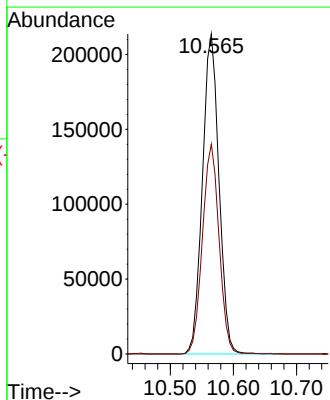
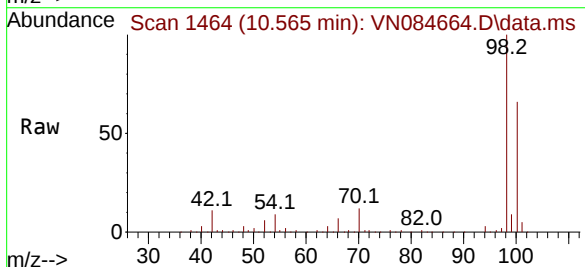
Acq: 04 Nov 2024 17:53

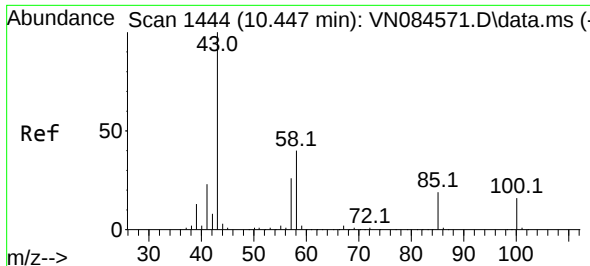
Tgt Ion: 98 Resp: 389275

Ion Ratio Lower Upper

98 100

100 65.9 52.7 79.1

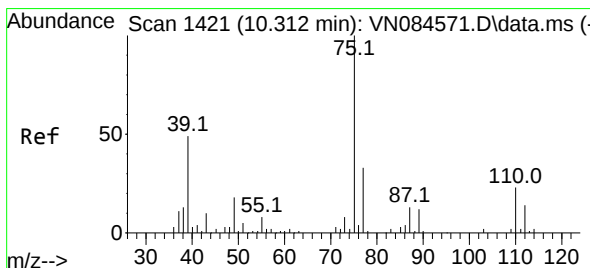
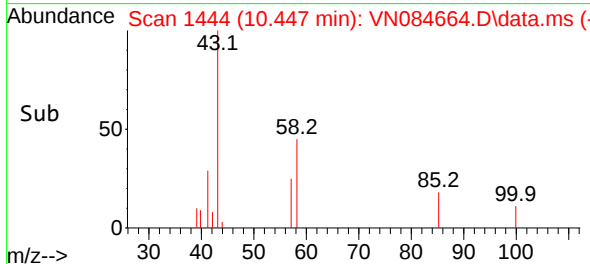
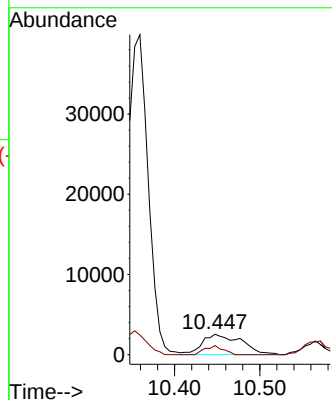
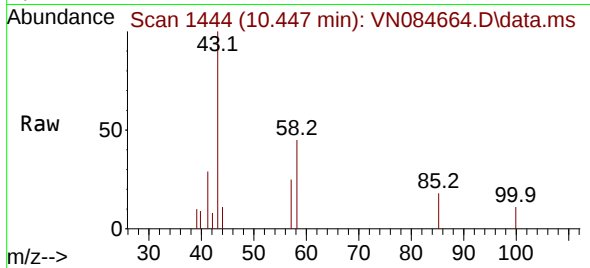




#51
4-Methyl-2-Pentanone
Concen: 3.128 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

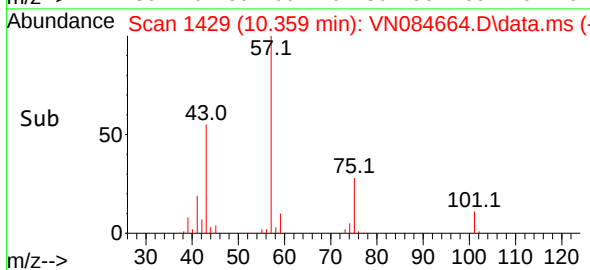
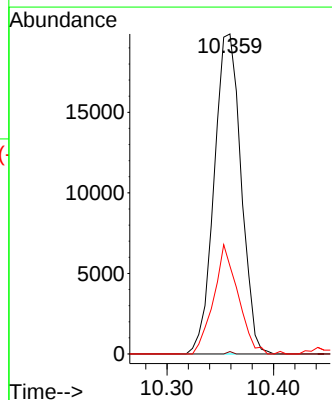
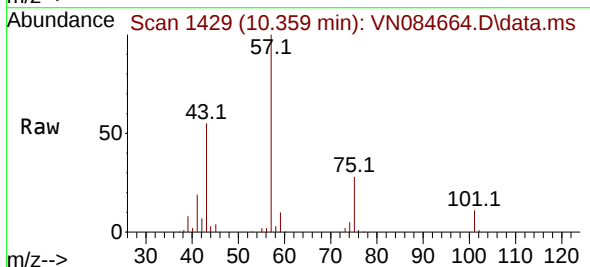
Instrument :
MSVOA_N
ClientSampleId :

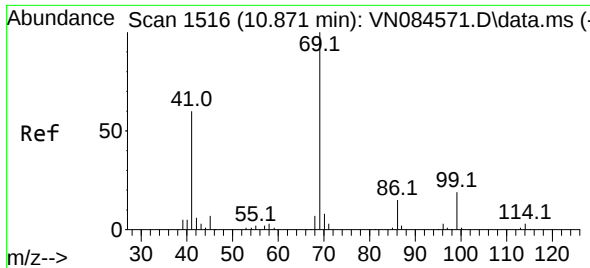
Tgt Ion: 43 Resp: 8169
Ion Ratio Lower Upper
43 100
58 20.6 31.6 47.4#



#54
cis-1,3-Dichloropropene
Concen: 9.392 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Tgt Ion: 75 Resp: 34813
Ion Ratio Lower Upper
75 100
77 0.8 24.2 36.2#
39 27.4 38.7 58.1#

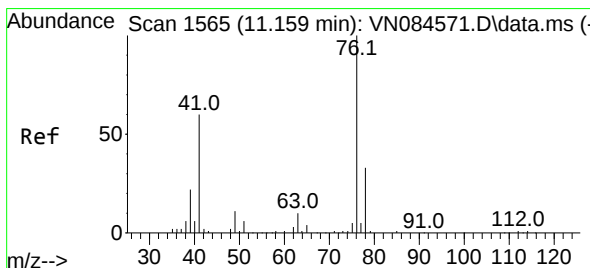
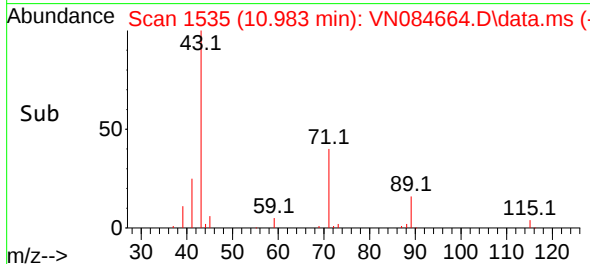
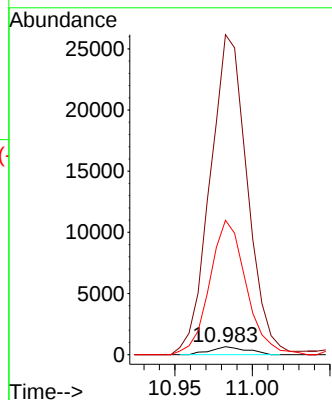
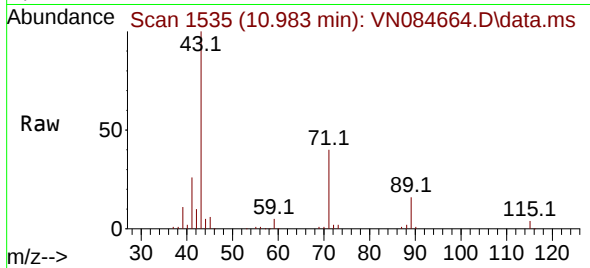




#56
Ethyl methacrylate
Concen: 0.341 ug/l
RT: 10.983 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

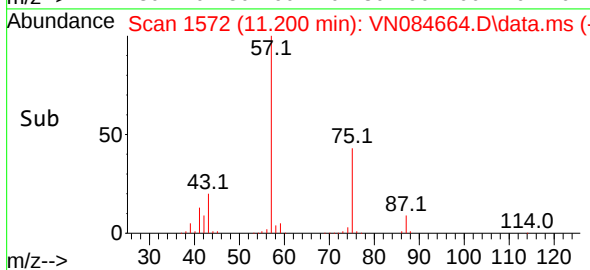
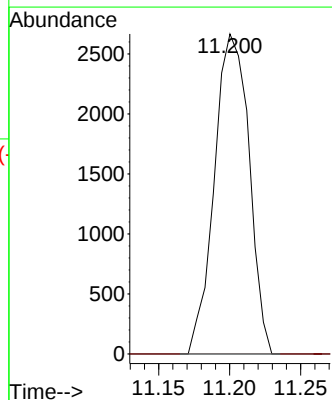
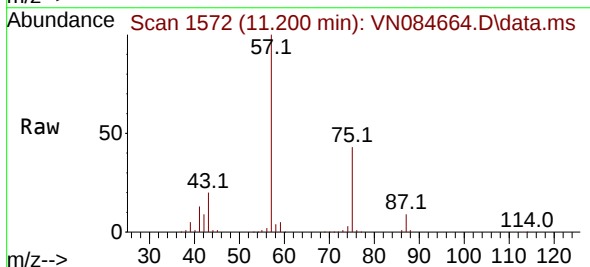
Instrument :
MSVOA_N
ClientSampleId :

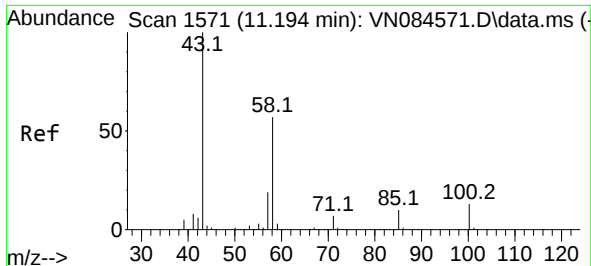
Tgt Ion: 69 Resp: 1055
Ion Ratio Lower Upper
69 100
41 4142.0 53.3 79.9#
39 1704.0 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.237 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Tgt Ion: 76 Resp: 4537
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

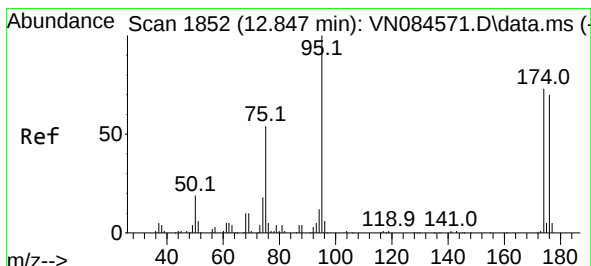
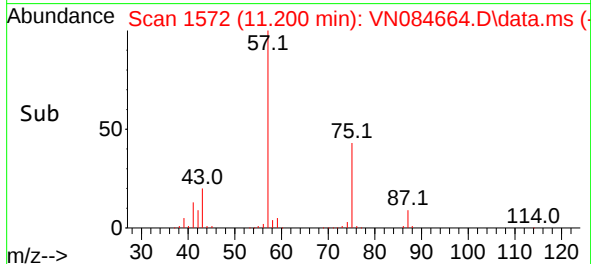
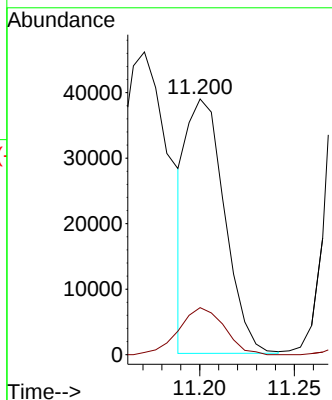
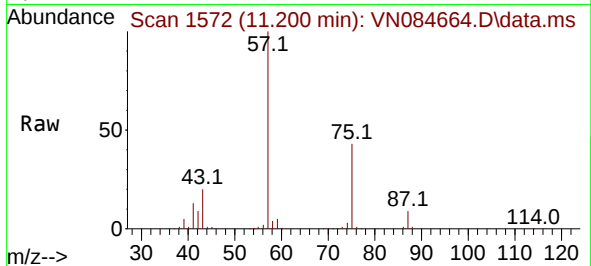




#59
2-Hexanone
Concen: 28.494 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

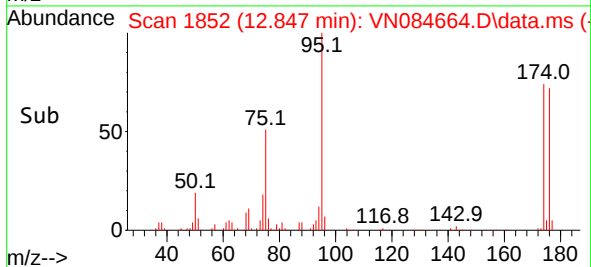
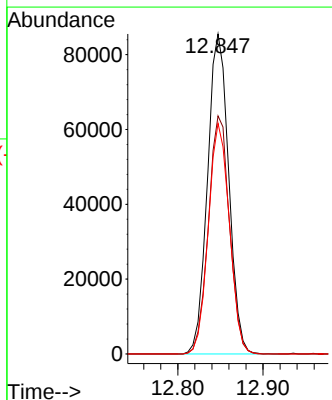
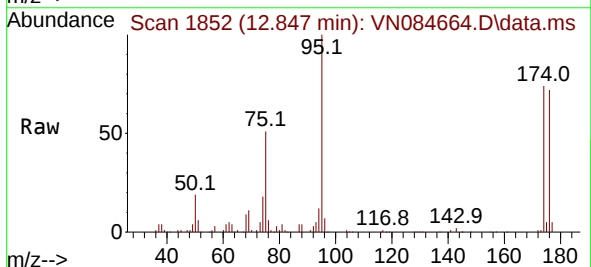
Instrument :
MSVOA_N
ClientSampleId :

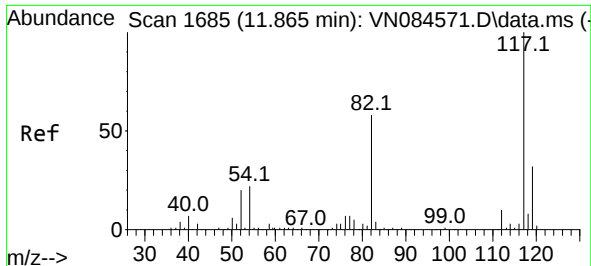
Tgt Ion: 43 Resp: 54165
Ion Ratio Lower Upper
43 100
58 22.2 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 49.379 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Tgt Ion: 95 Resp: 148006
Ion Ratio Lower Upper
95 100
174 74.1 0.0 145.2
176 71.4 0.0 140.0

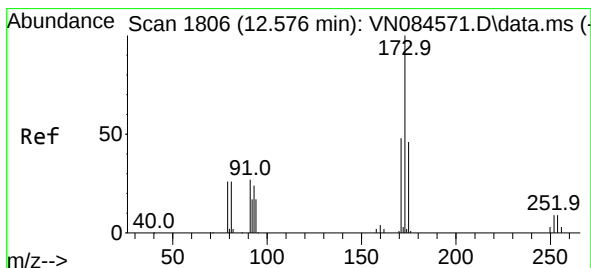
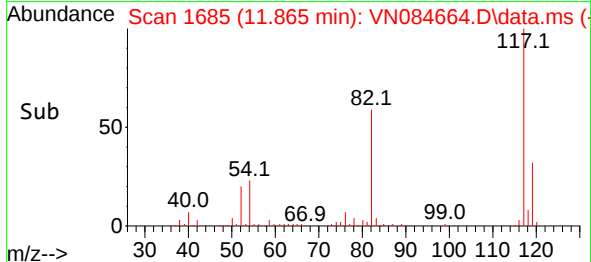
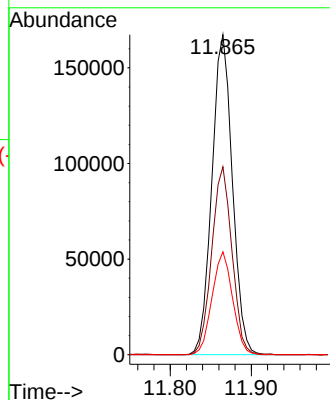
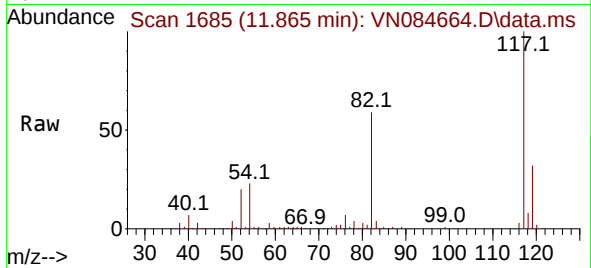




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

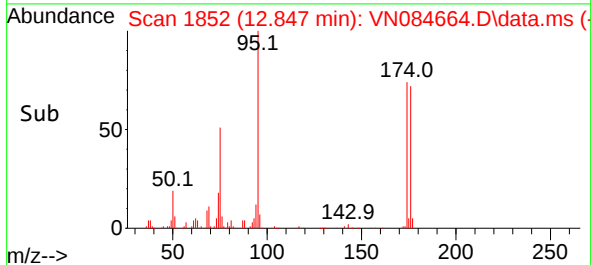
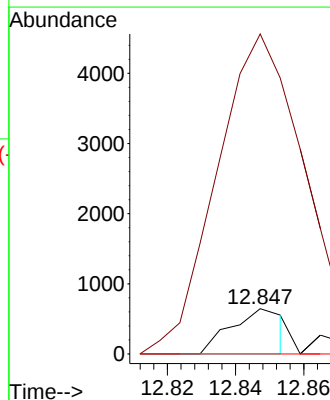
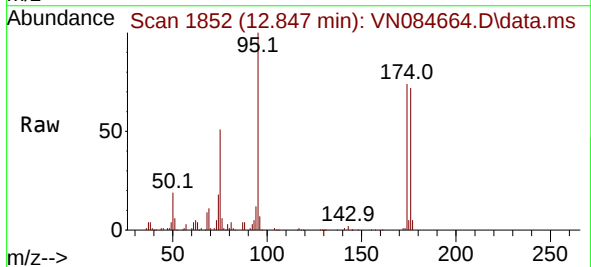
Instrument :
MSVOA_N
ClientSampleId :

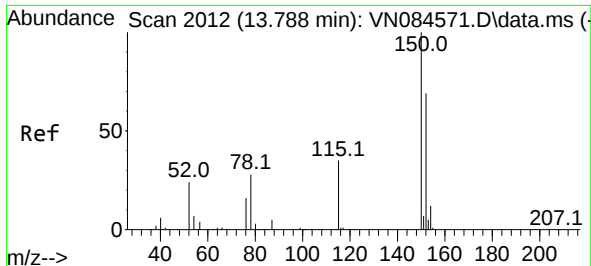
Tgt Ion:117 Resp: 293397
Ion Ratio Lower Upper
117 100
82 58.7 47.2 70.8
119 32.2 25.4 38.0



#71
Bromoform
Concen: 0.403 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

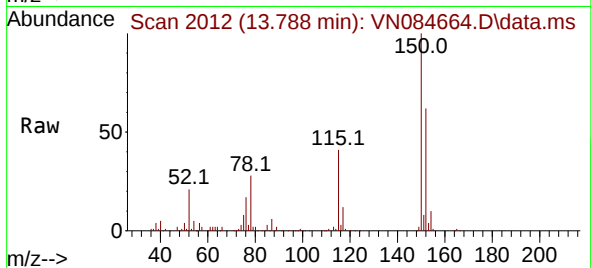
Tgt Ion:173 Resp: 692
Ion Ratio Lower Upper
173 100
175 892.3 23.5 70.6#
254 0.0 0.0 0.0



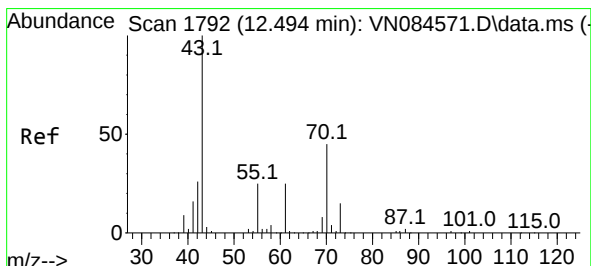
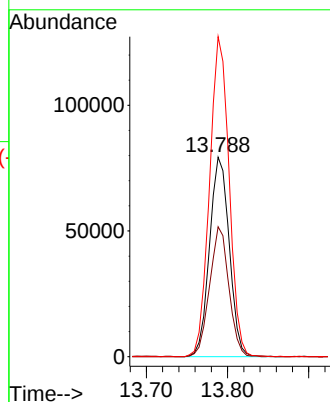
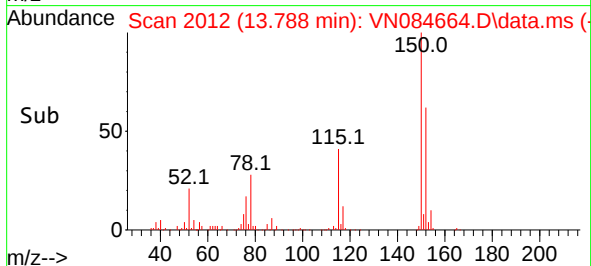


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN084664.D
 Acq: 04 Nov 2024 17:53

Instrument :
 MSVOA_N
 ClientSampleId :

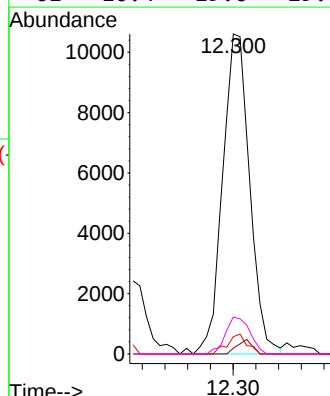
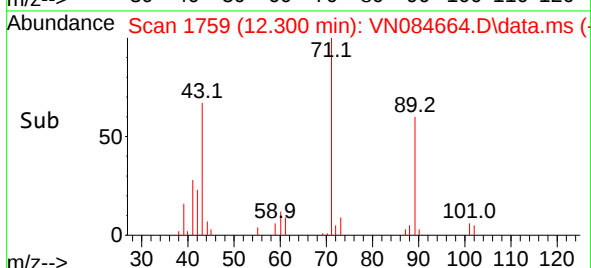
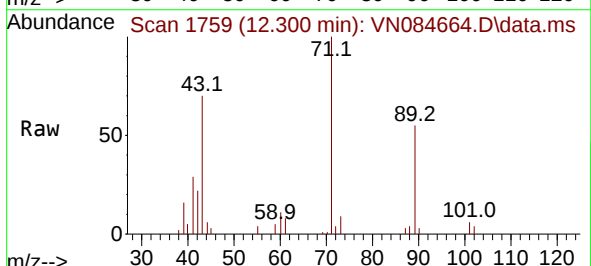


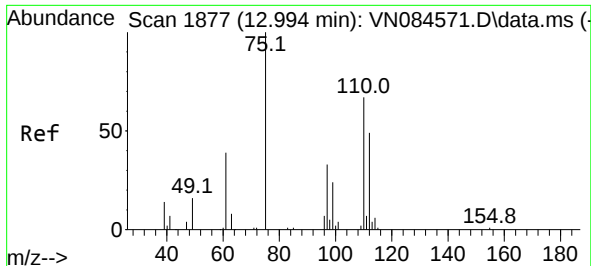
Tgt Ion:152 Resp: 133917
 Ion Ratio Lower Upper
 152 100
 115 63.5 31.3 93.9
 150 158.7 0.0 349.8



#74
 N-ethyl acetate
 Concen: 4.397 ug/l
 RT: 12.300 min Scan# 1759
 Delta R.T. -0.194 min
 Lab File: VN084664.D
 Acq: 04 Nov 2024 17:53

Tgt Ion: 43 Resp: 17564
 Ion Ratio Lower Upper
 43 100
 70 2.5 34.4 51.6#
 55 4.5 19.6 29.4#
 61 10.4 19.6 29.4#

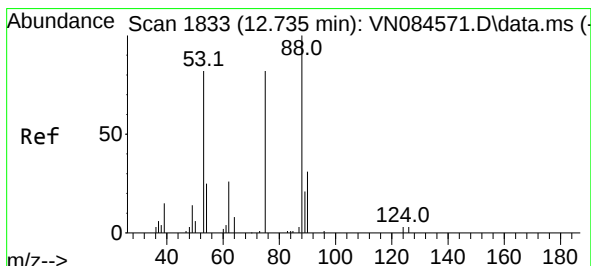
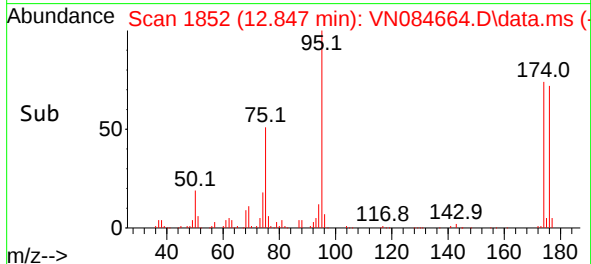
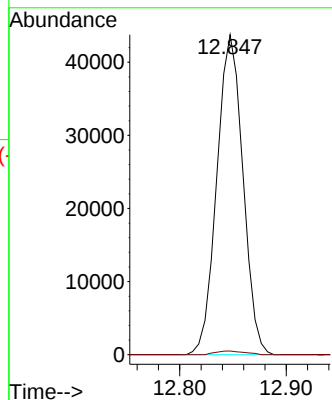
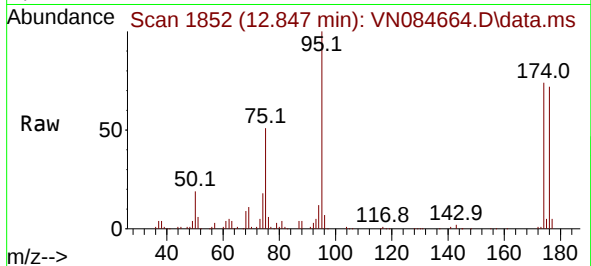




#76
1,2,3-Trichloropropane
Concen: 27.804 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

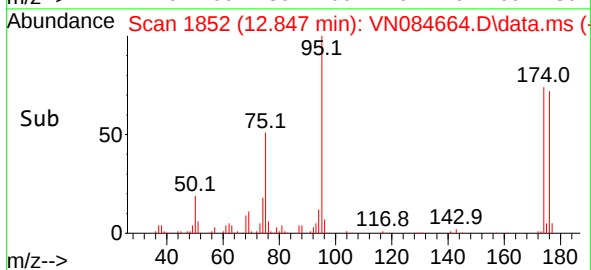
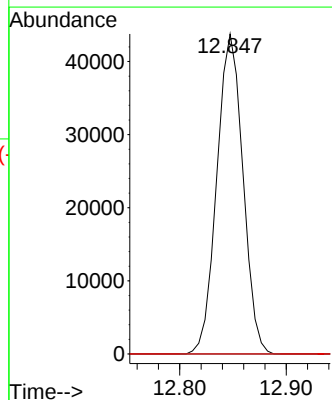
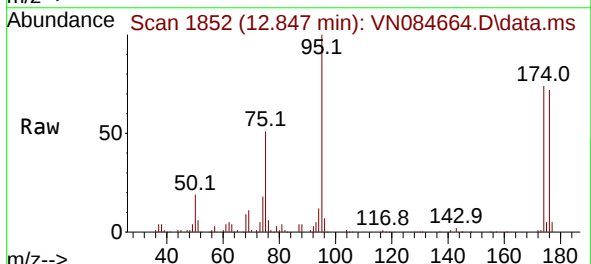
Instrument :
MSVOA_N
ClientSampleId :

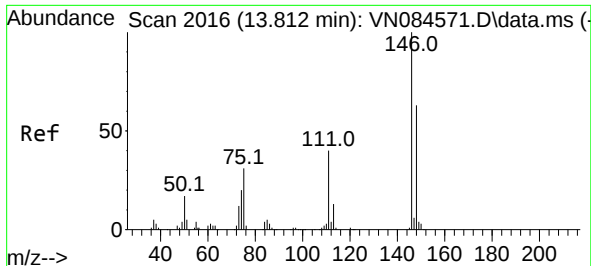
Tgt Ion: 75 Resp: 74429
Ion Ratio Lower Upper
75 100
77 1.3 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.962 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

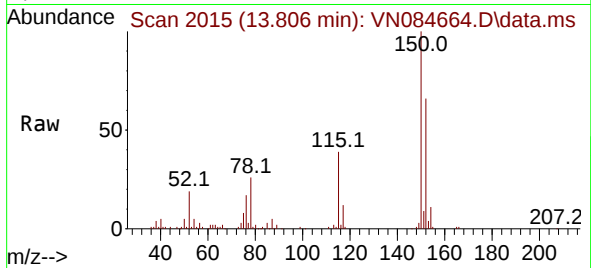
Tgt Ion: 75 Resp: 74429
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



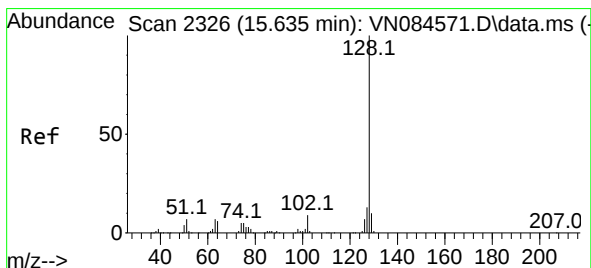
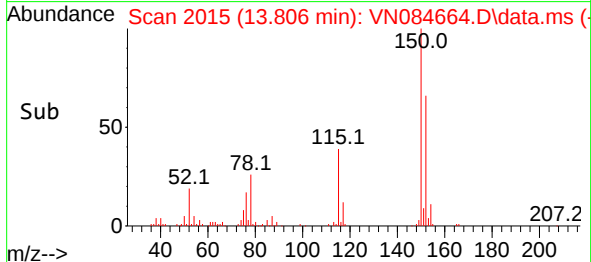
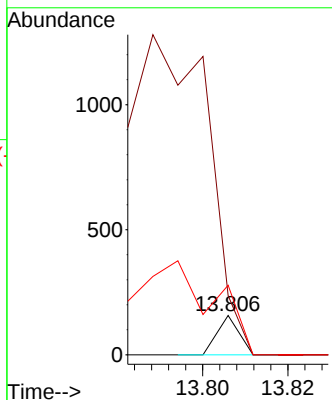


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.806 min Scan# 2016
Delta R.T. -0.006 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:146 Resp: 55
Ion Ratio Lower Upper
146 100
111 3634.5 21.2 63.6#
148 861.8 31.9 95.9#



#95
Naphthalene
Concen: 6.710 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN084664.D
Acq: 04 Nov 2024 17:53

Tgt Ion:128 Resp: 52011
Ion Ratio Lower Upper
128 100
127 12.7 10.5 15.7
129 10.7 8.7 13.1

