

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
 Data File : VN084600.D
 Acq On : 31 Oct 2024 04:57
 Operator : JC\MD
 Sample : P4611-15
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 05:21:00 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

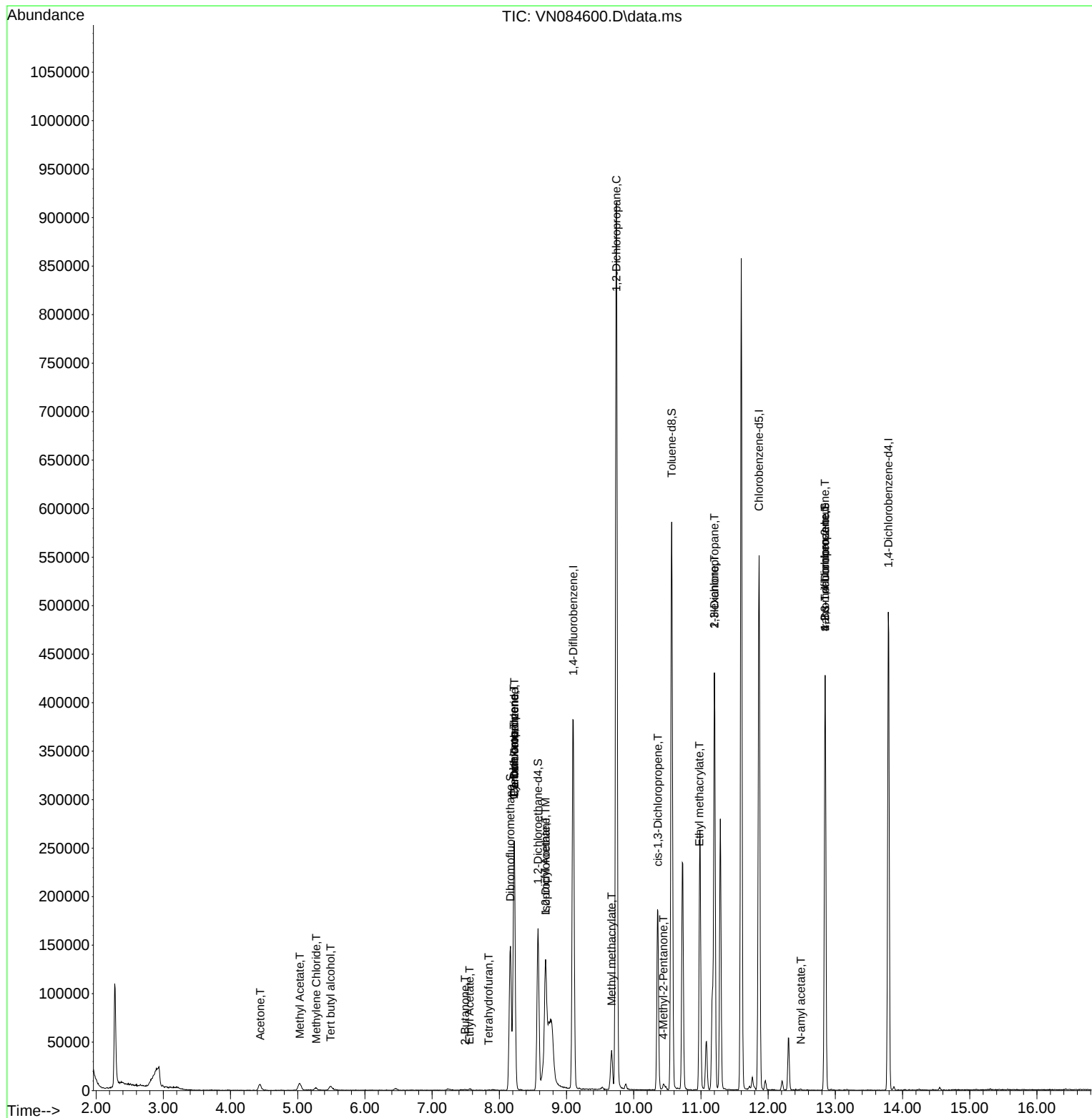
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

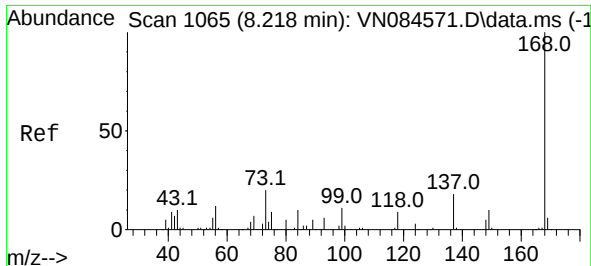
Internal Standards						
1) Pentafluorobenzene	8.224	168	179568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	336456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	135069	52.078	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.160%			
35) Dibromofluoromethane	8.165	113	106788	46.890	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.780%			
50) Toluene-d8	10.565	98	401845	47.900	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.800%			
62) 4-Bromofluorobenzene	12.847	95	148277	47.292	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.580%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	1171	Below Cal	#	41
6) Chloroethane	3.112	64	398	Below Cal	#	45
11) Tert butyl alcohol	5.489	59	4236	12.374	ug/l #	73
16) Acetone	4.442	43	12609	14.139	ug/l #	85
18) Methyl Acetate	5.030	43	15898	1.975	ug/l	99
20) Methylene Chloride	5.277	84	1819	0.797	ug/l #	81
25) 2-Butanone	7.489	43	1512	1.250	ug/l #	48
29) Tetrahydrofuran	7.841	42	469	0.584	ug/l #	34
31) Cyclohexane	8.218	56	3995	1.116	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	16025	5.074	ug/l #	49
37) Ethyl Acetate	7.559	43	2579	0.900	ug/l #	71
38) Carbon Tetrachloride	8.224	117	20330	5.759	ug/l #	16
42) 1,2-Dichloroethane	8.688	62	823	0.251	ug/l #	75
43) Isopropyl Acetate	8.688	43	213179	40.076	ug/l #	75
45) 1,2-Dichloropropane	9.741	63	1286	0.540	ug/l #	44
48) Methyl methacrylate	9.671	41	3004	1.347	ug/l #	40
51) 4-Methyl-2-Pentanone	10.441	43	4241	1.552	ug/l	95
54) cis-1,3-Dichloropropene	10.359	75	34218	8.825	ug/l #	60
56) Ethyl methacrylate	10.977	69	1592	0.493	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4397	1.147	ug/l #	42
59) 2-Hexanone	11.200	43	52345	26.324	ug/l #	56
74) N-amyl acetate	12.488	43	996	0.253	ug/l #	42
76) 1,2,3-Trichloropropane	12.847	75	75817	28.768	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75817	68.249	ug/l #	11
88) 1,4-Dichlorobenzene	13.729	146	139	Below Cal	#	24

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

Instrument :
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ClientSampleId :

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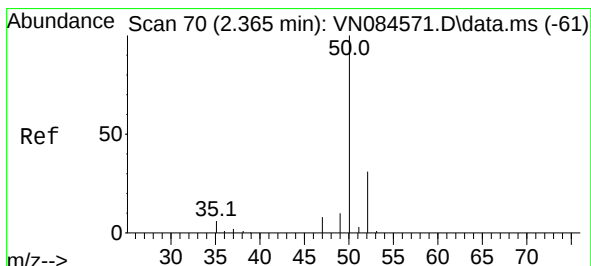
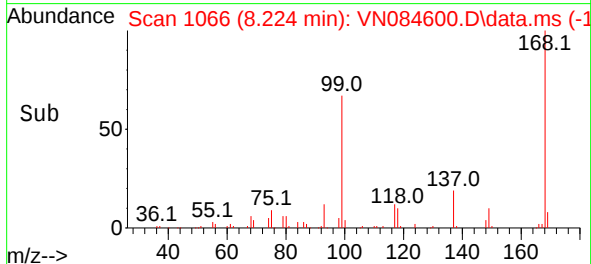
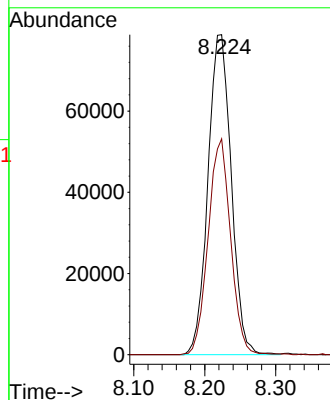
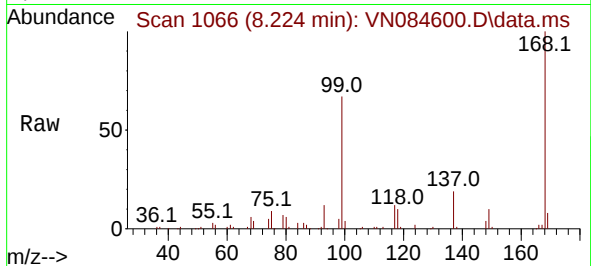




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

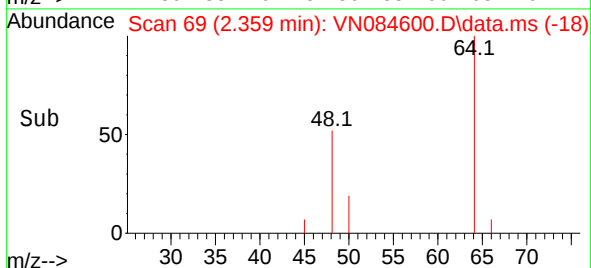
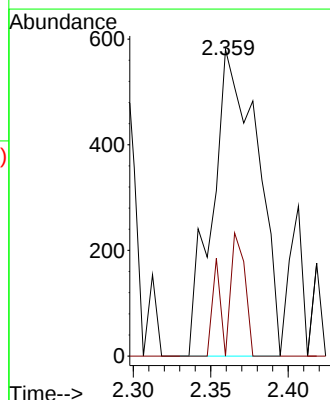
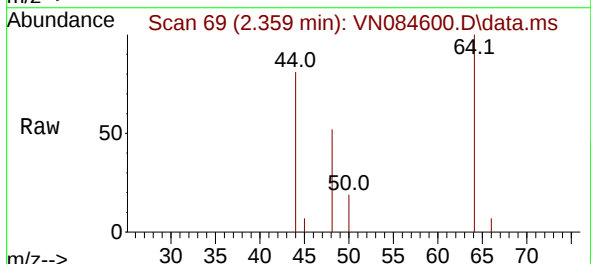
Instrument :
MSVOA_N
ClientSampleId :

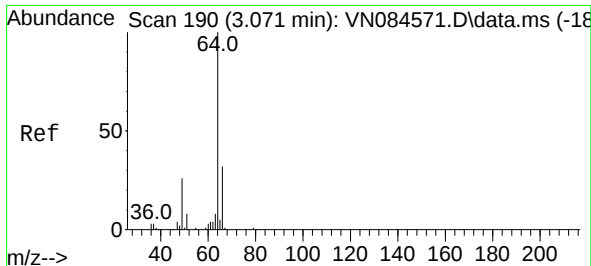
Tgt Ion:168 Resp: 179568
Ion Ratio Lower Upper
168 100
99 67.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion: 50 Resp: 1171
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

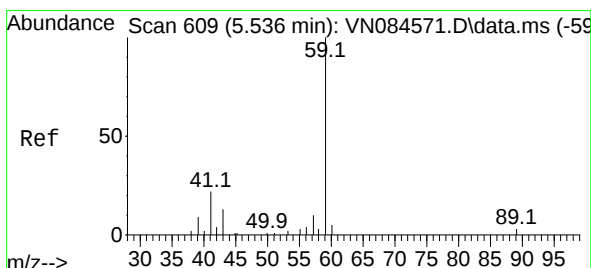
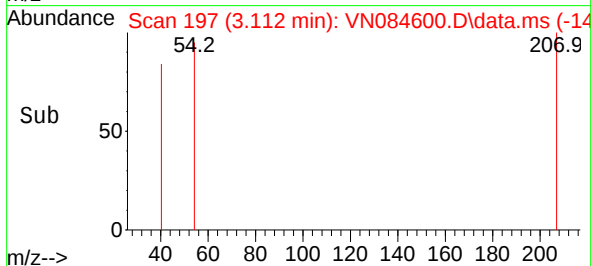
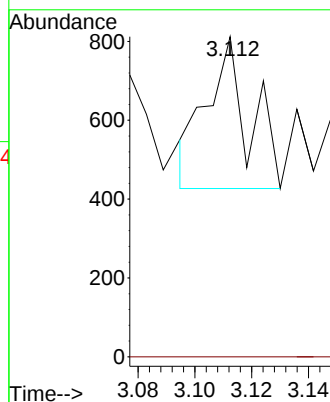
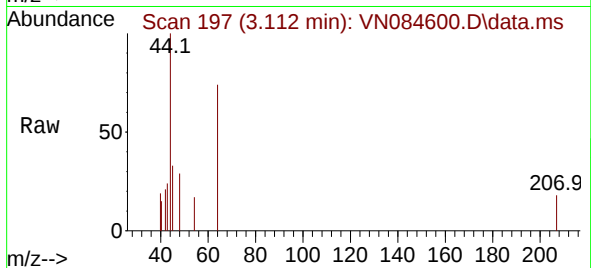




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

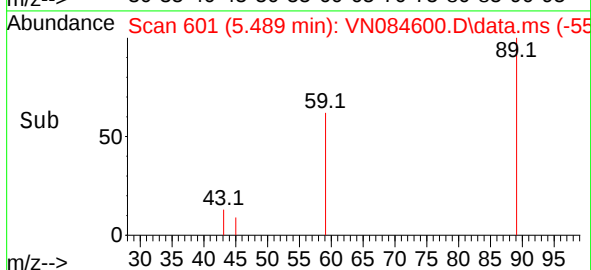
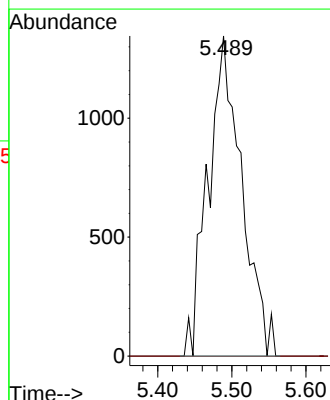
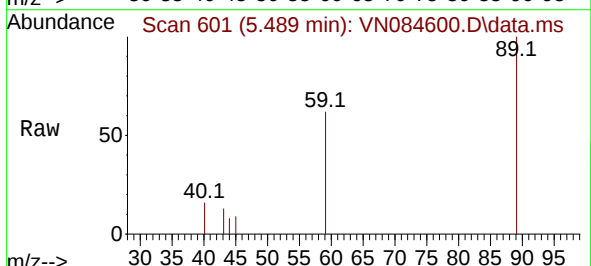
Instrument :
MSVOA_N
ClientSampleId :

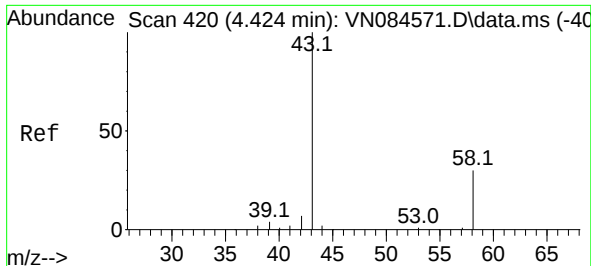
Tgt Ion: 64 Resp: 398
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 12.374 ug/l
RT: 5.489 min Scan# 601
Delta R.T. -0.035 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

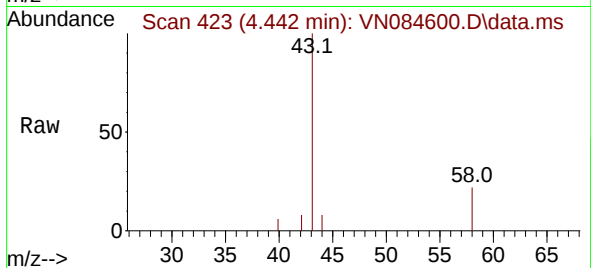
Tgt Ion: 59 Resp: 4236
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



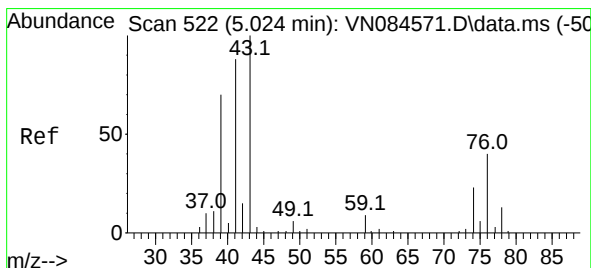
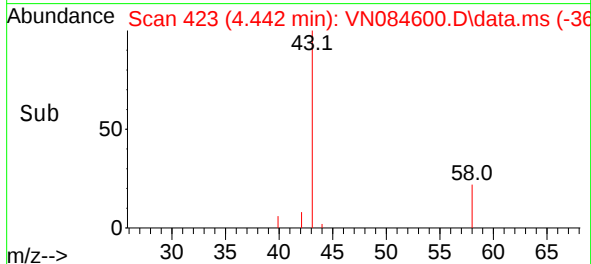
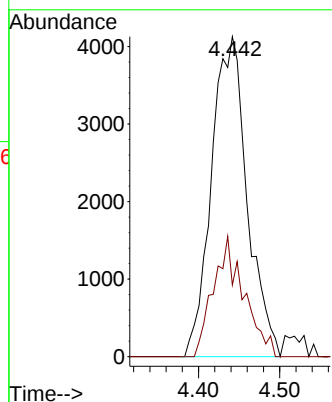


#16
Acetone
Concen: 14.139 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Instrument :
MSVOA_N
ClientSampleId :

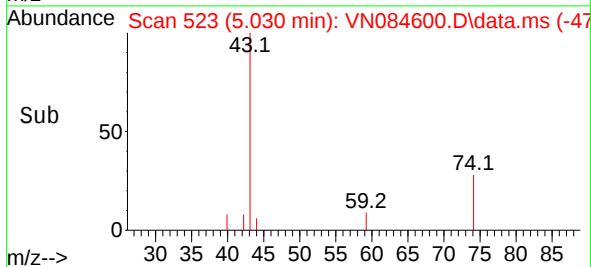
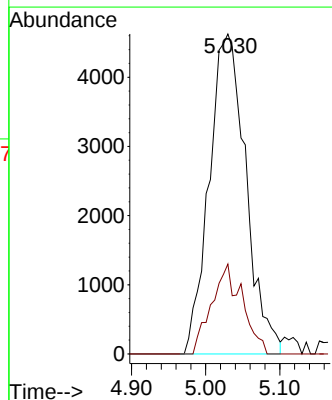
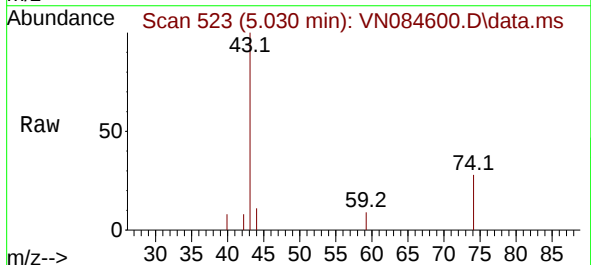


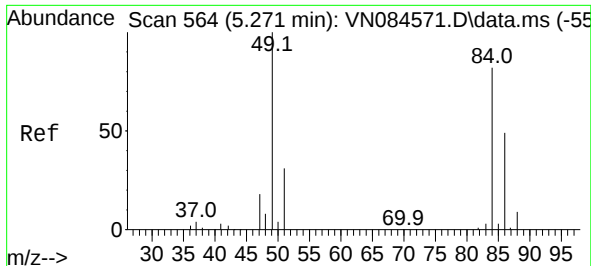
Tgt Ion: 43 Resp: 12609
Ion Ratio Lower Upper
43 100
58 22.4 24.4 36.6#



#18
Methyl Acetate
Concen: 1.975 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion: 43 Resp: 15898
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8





#20

Methylene Chloride

Concen: 0.797 ug/l

RT: 5.277 min Scan# 51

Delta R.T. -0.000 min

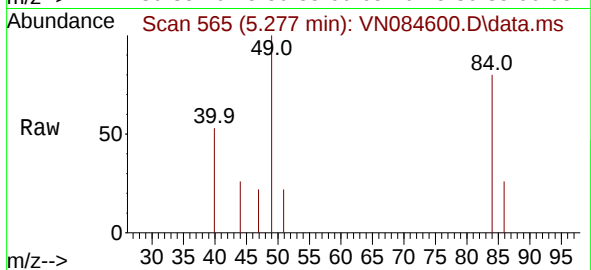
Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 1819

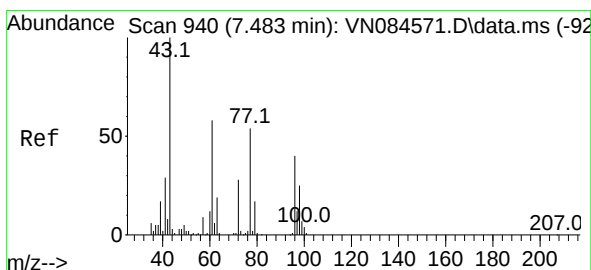
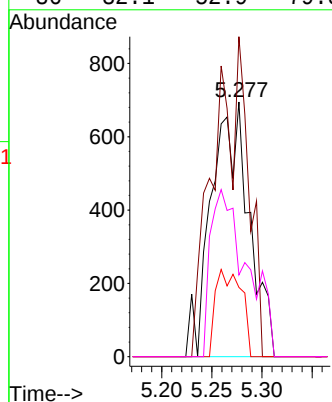
Ion Ratio Lower Upper

84 100

49 125.6 107.2 160.8

51 27.2 31.8 47.8#

86 32.1 52.9 79.3#



#25

2-Butanone

Concen: 1.250 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN084600.D

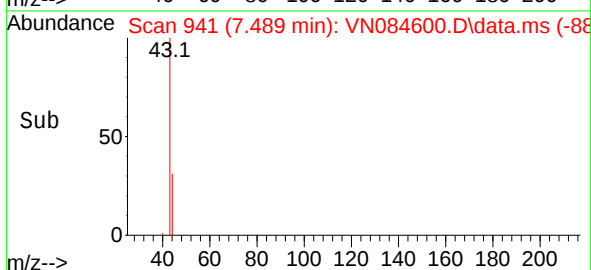
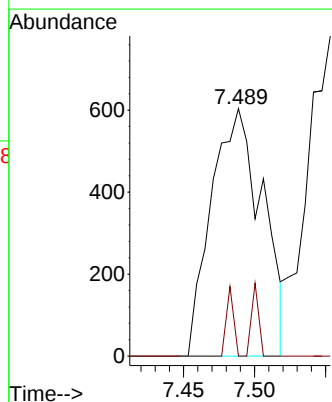
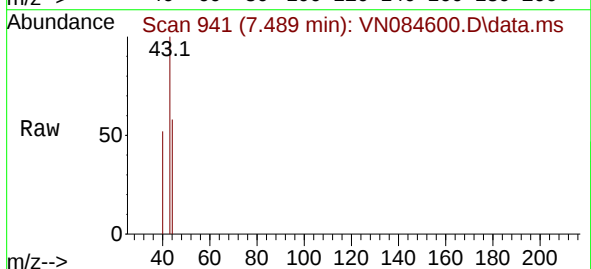
Acq: 31 Oct 2024 04:57

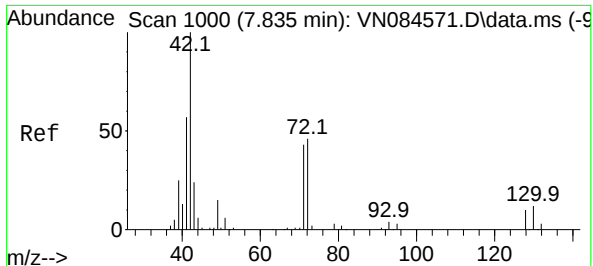
Tgt Ion: 43 Resp: 1512

Ion Ratio Lower Upper

43 100

72 0.0 21.4 32.2#

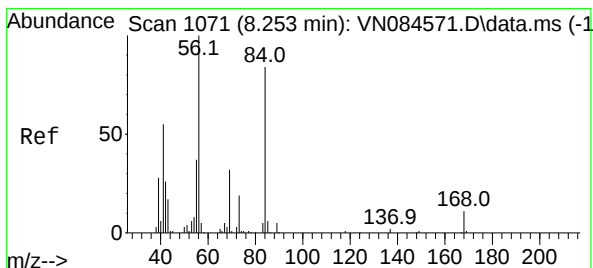
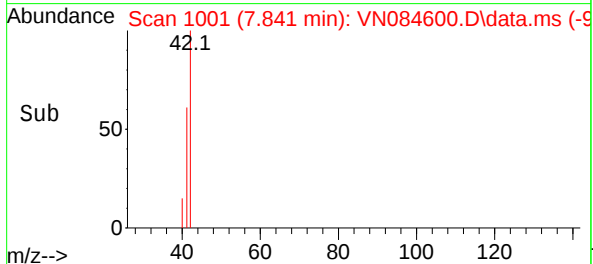
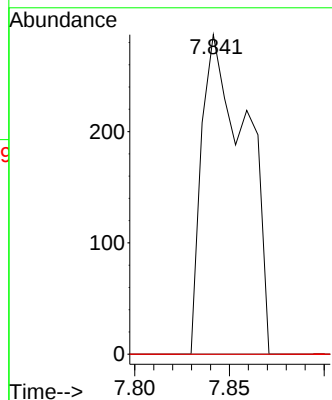
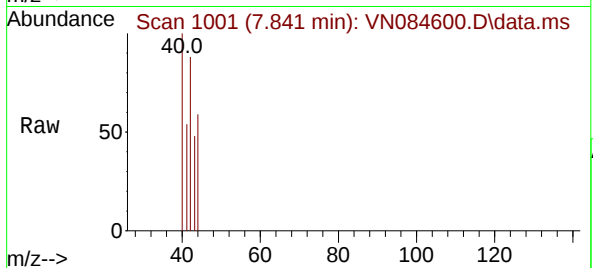




#29
Tetrahydrofuran
Concen: 0.584 ug/l
RT: 7.841 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

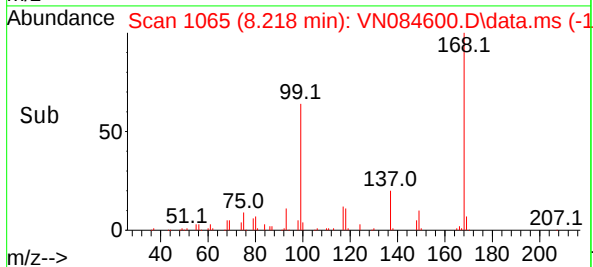
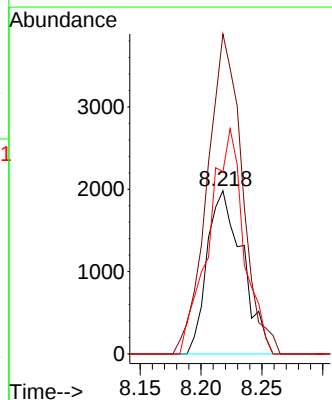
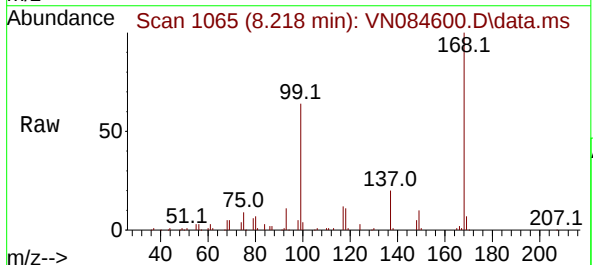
Instrument :
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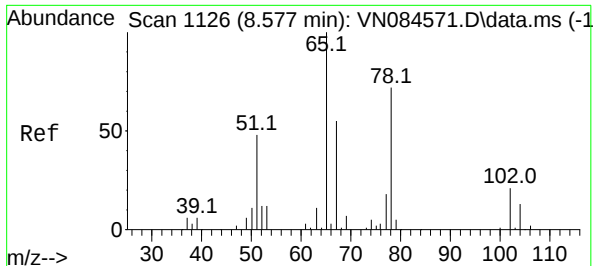
Tgt Ion: 42 Resp: 469
Ion Ratio Lower Upper
42 100
72 0.0 34.6 51.8#
71 0.0 32.2 48.4#



#31
Cyclohexane
Concen: 1.116 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion: 56 Resp: 3995
Ion Ratio Lower Upper
56 100
69 196.1 23.8 35.6#
84 111.6 68.8 103.2#

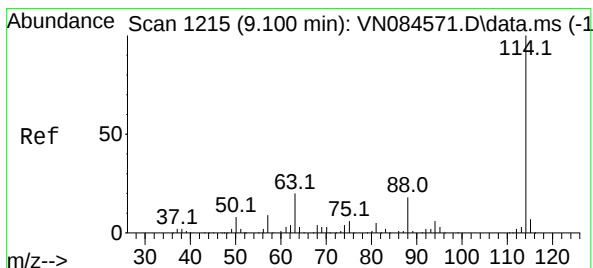
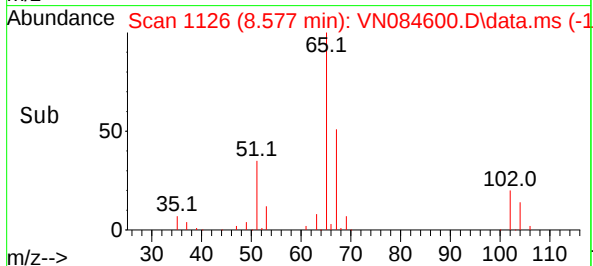
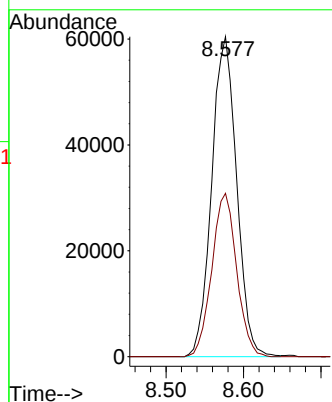
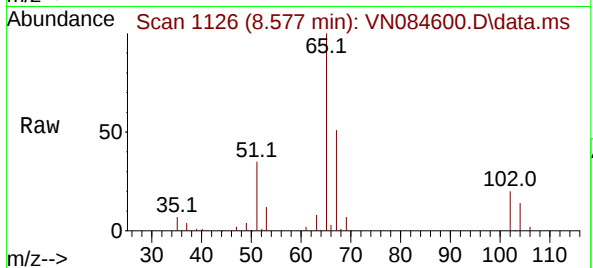




#33
1,2-Dichloroethane-d4
Concen: 52.078 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

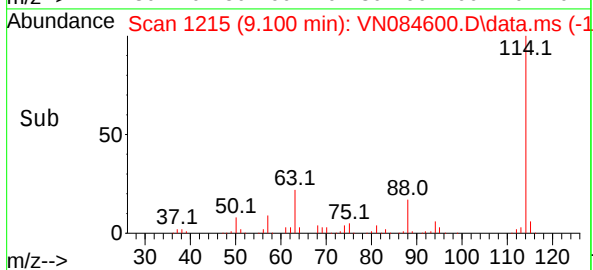
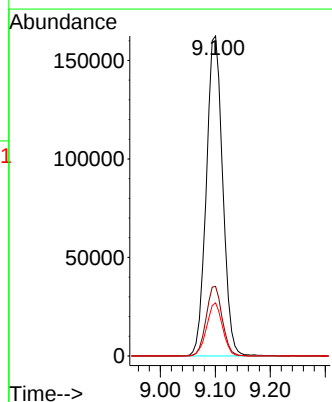
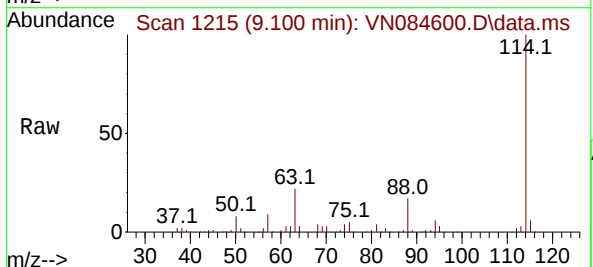
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MSVOA_N
ClientSampleId :

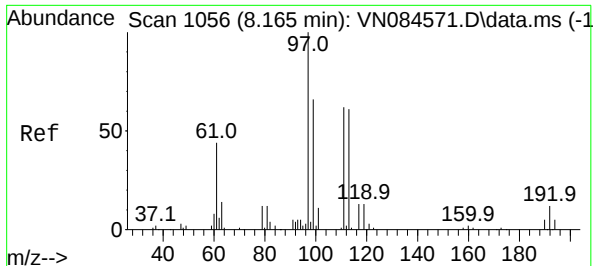
Tgt Ion: 65 Resp: 135069
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion:114 Resp: 336456
Ion Ratio Lower Upper
114 100
63 21.8 0.0 43.8
88 16.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 46.890 ug/l

RT: 8.165 min Scan# 1

Delta R.T. 0.000 min

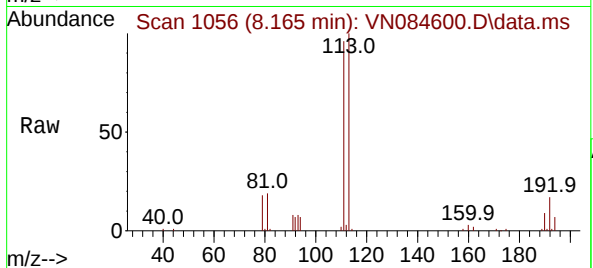
Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

ClientSampleId :



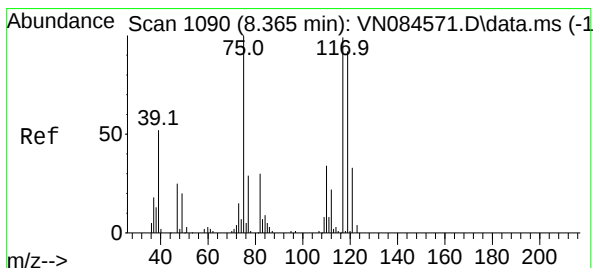
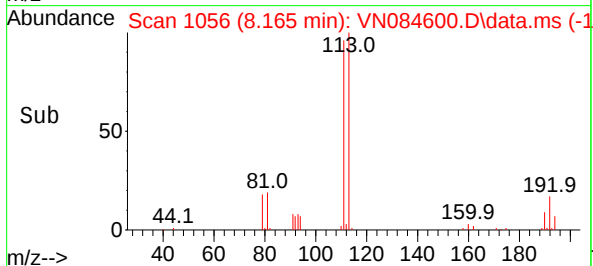
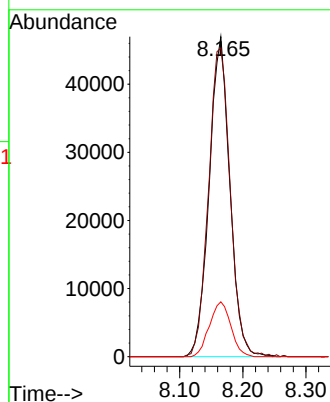
Tgt Ion:113 Resp: 106788

Ion Ratio Lower Upper

113 100

111 101.6 83.3 124.9

192 17.8 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.074 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

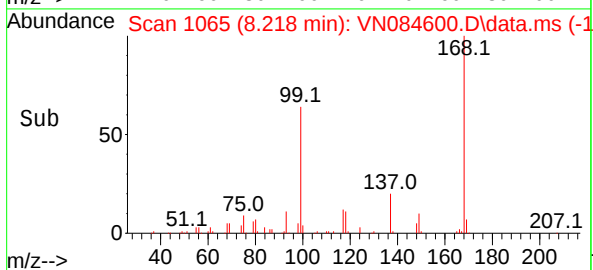
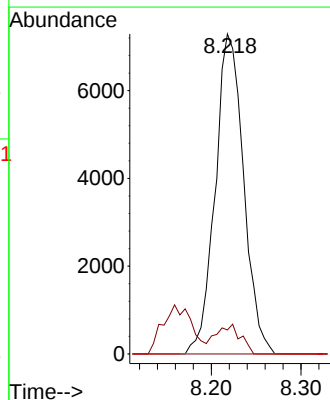
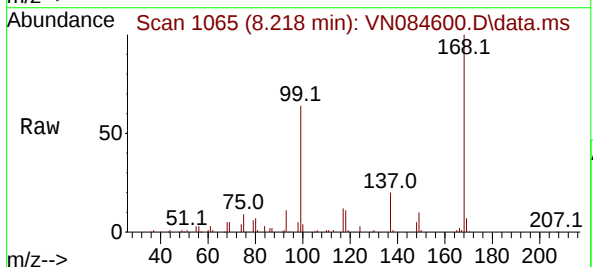
Tgt Ion: 75 Resp: 16025

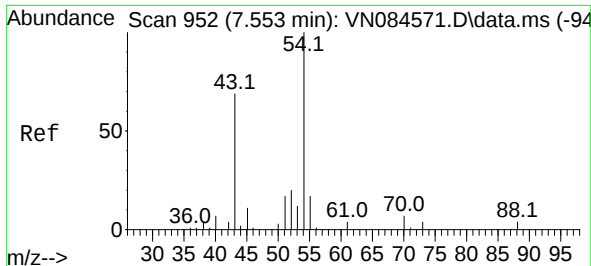
Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.900 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

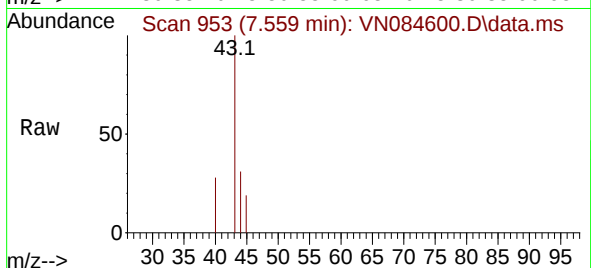
Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

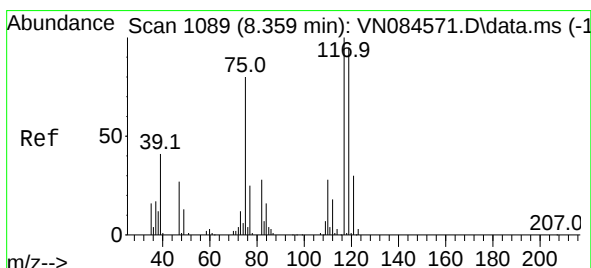
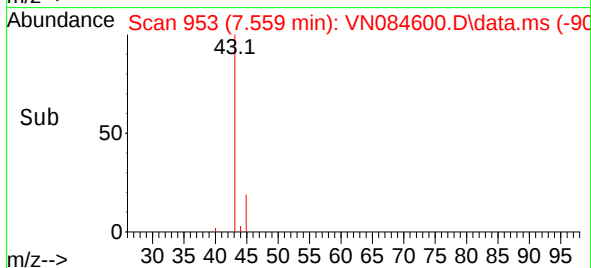
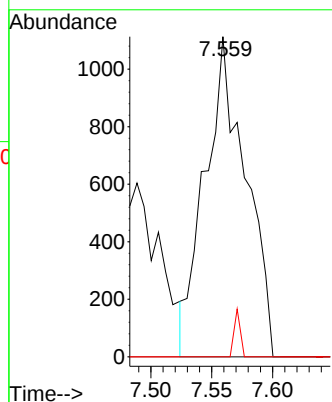
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2579
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	2.3	8.8	13.2#



#38

Carbon Tetrachloride

Concen: 5.759 ug/l

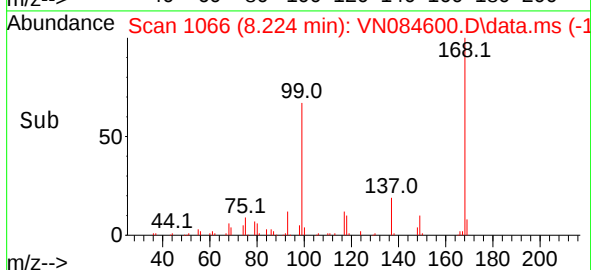
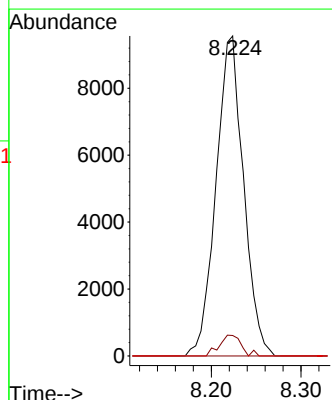
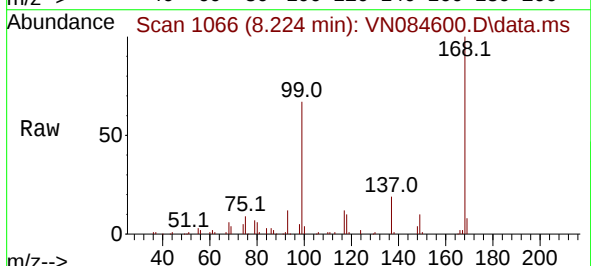
RT: 8.224 min Scan# 1066

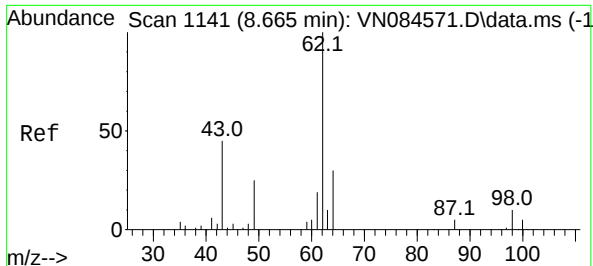
Delta R.T. -0.135 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Tgt Ion:	117	Resp:	20330
Ion	Ratio	Lower	Upper
117	100		
119	6.4	78.7	118.1#
121	0.0	24.4	36.6#

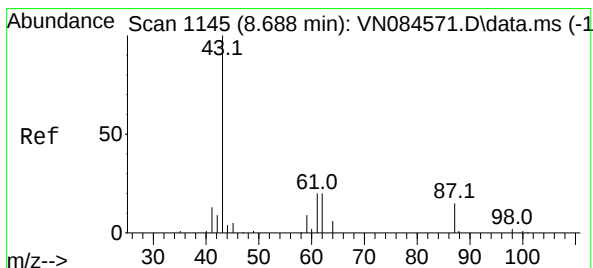
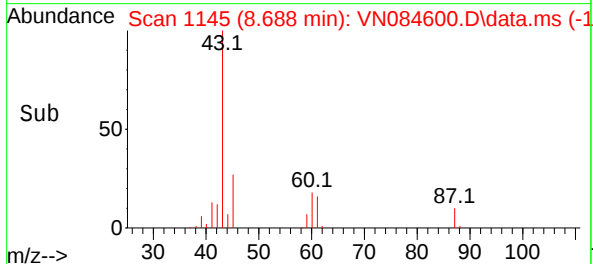
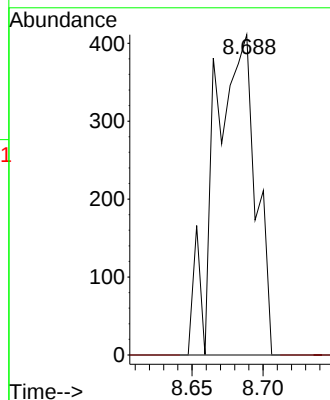
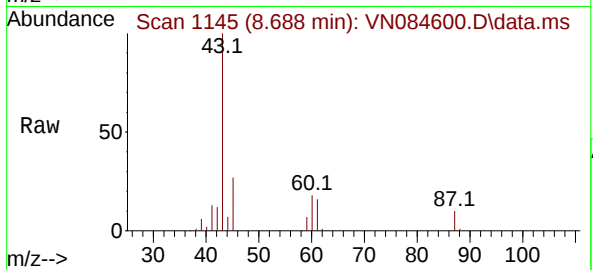




#42
1,2-Dichloroethane
Concen: 0.251 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.017 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

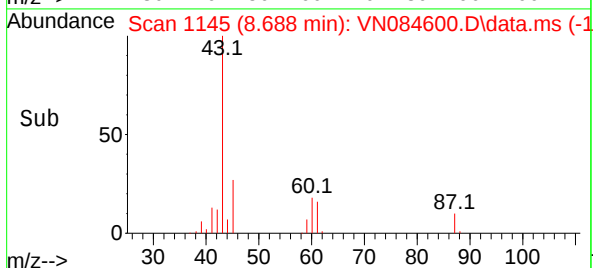
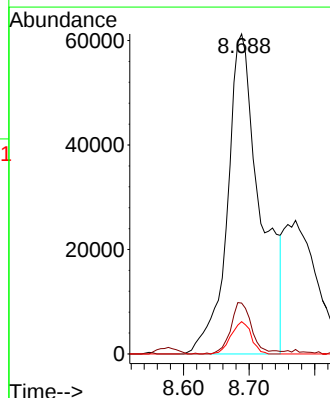
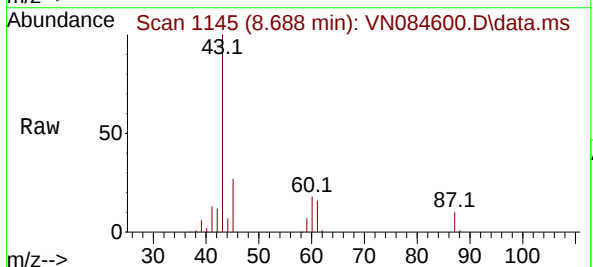
Instrument :
MSVOA_N
ClientSampleId :

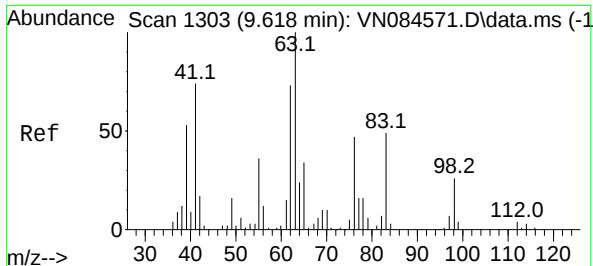
Tgt Ion: 62 Resp: 823
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 40.076 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion: 43 Resp: 213179
Ion Ratio Lower Upper
43 100
61 10.4 20.4 30.6#
87 6.2 10.3 15.5#

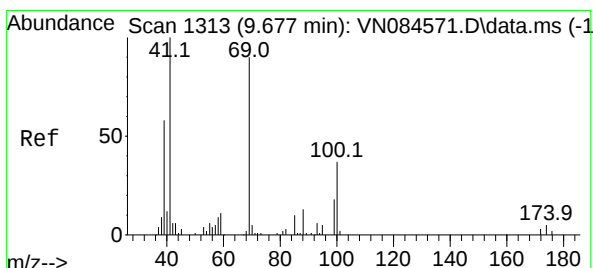
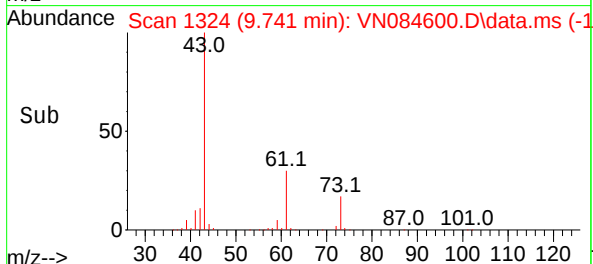
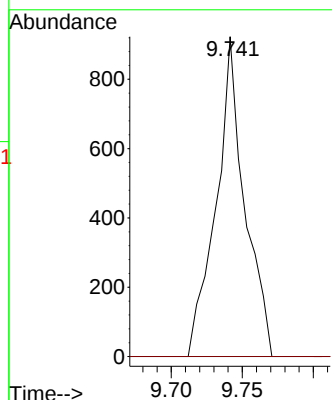
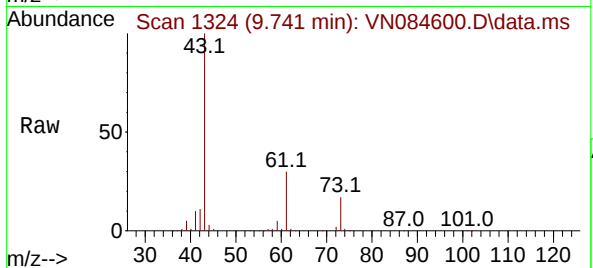




#45
1,2-Dichloropropane
Concen: 0.540 ug/l
RT: 9.741 min Scan# 1312
Delta R.T. 0.123 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

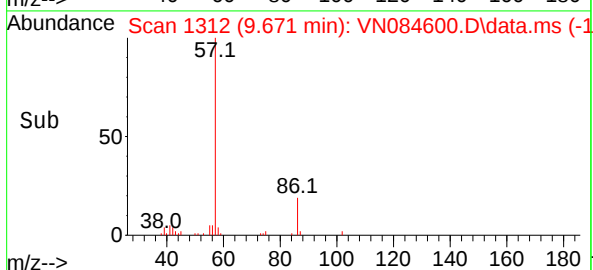
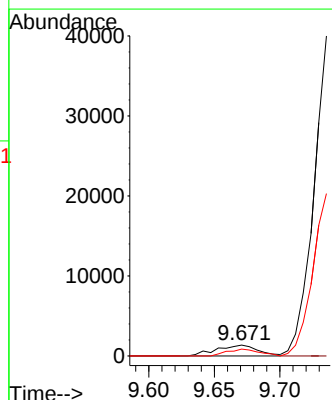
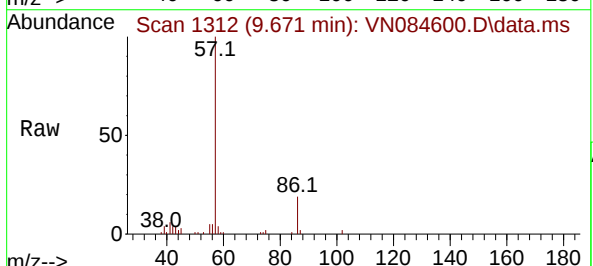
Instrument :
MSVOA_N
ClientSampleId :

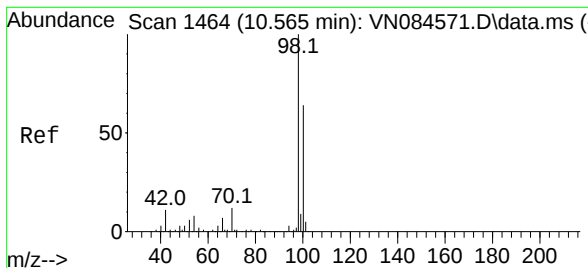
Tgt Ion: 63 Resp: 1286
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 1.347 ug/l
RT: 9.671 min Scan# 1312
Delta R.T. -0.006 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion: 41 Resp: 3004
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 48.1 45.8 68.6

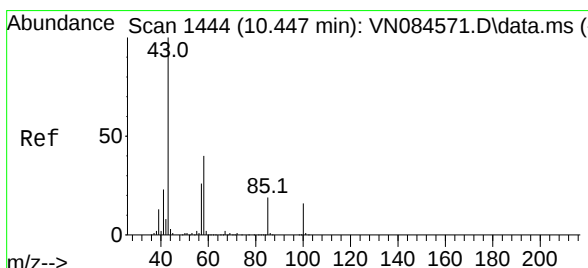
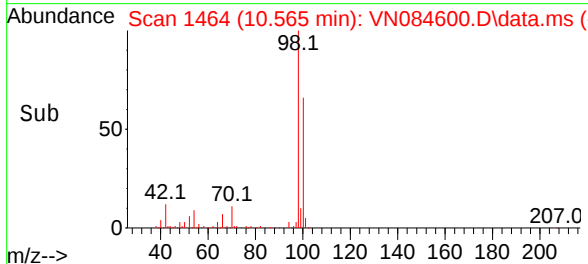
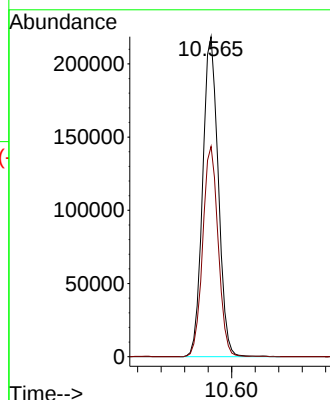
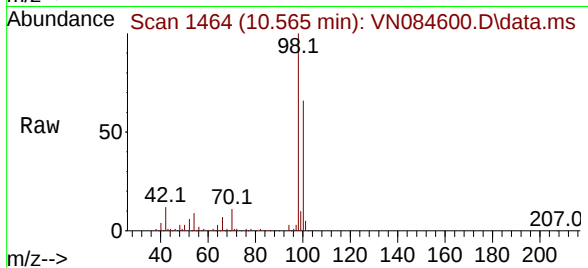




#50
Toluene-d8
Concen: 47.900 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

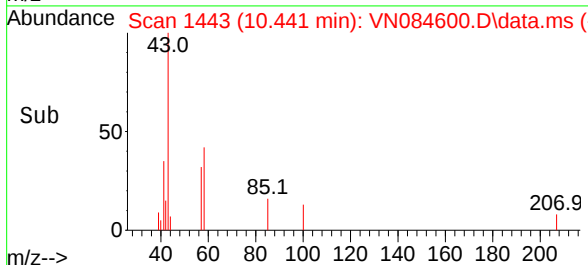
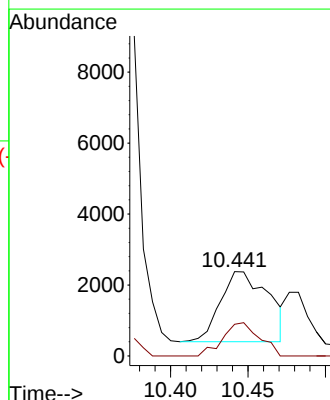
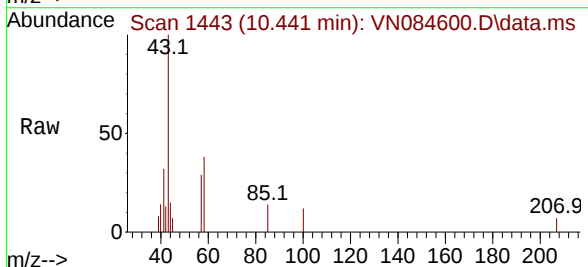
Instrument :
MSVOA_N
ClientSampleId :

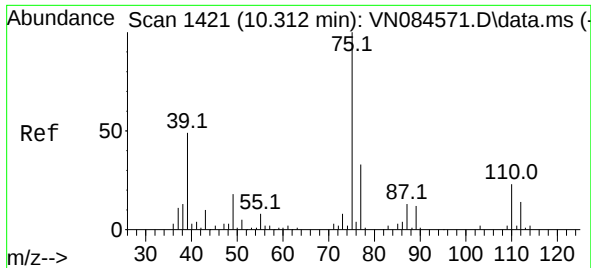
Tgt Ion: 98 Resp: 401845
Ion Ratio Lower Upper
98 100
100 65.2 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.552 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084600.D
Acq: 31 Oct 2024 04:57

Tgt Ion: 43 Resp: 4241
Ion Ratio Lower Upper
43 100
58 36.4 31.6 47.4

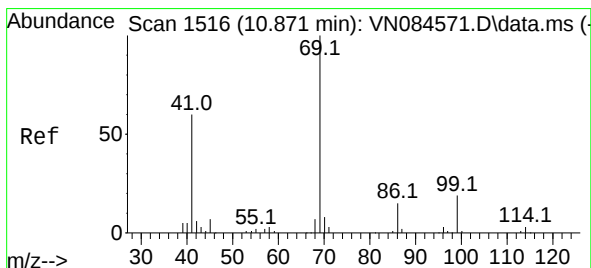
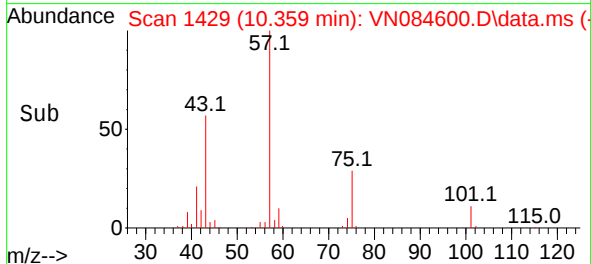
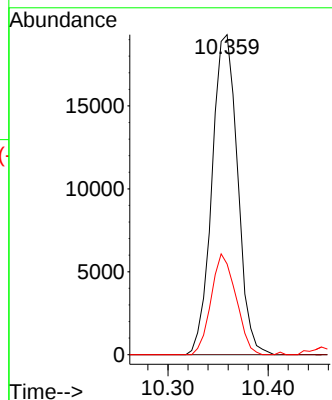
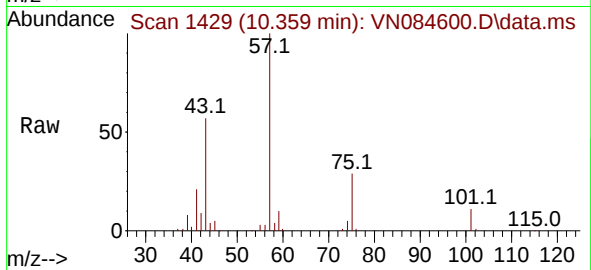




#54
 cis-1,3-Dichloropropene
 Concen: 8.825 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084600.D
 Acq: 31 Oct 2024 04:57

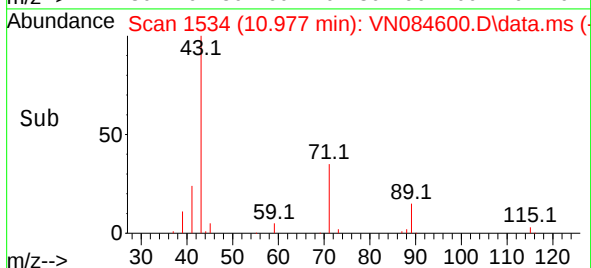
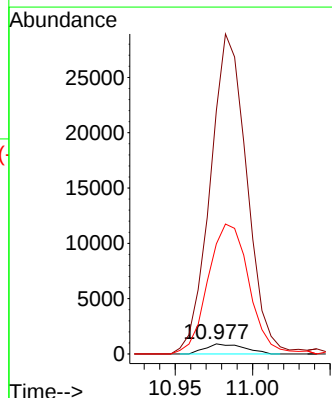
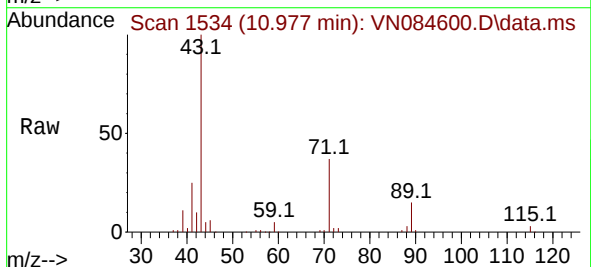
Instrument :
 MSVOA_N
 ClientSampleId :

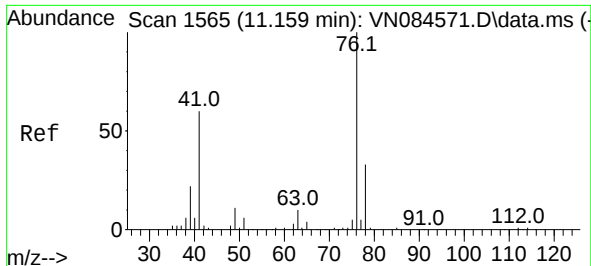
Tgt Ion: 75 Resp: 34218
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 28.3 38.7 58.1#



#56
 Ethyl methacrylate
 Concen: 0.493 ug/l
 RT: 10.977 min Scan# 1534
 Delta R.T. 0.106 min
 Lab File: VN084600.D
 Acq: 31 Oct 2024 04:57

Tgt Ion: 69 Resp: 1592
 Ion Ratio Lower Upper
 69 100
 41 2992.9 53.3 79.9#
 39 1361.2 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 1.147 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

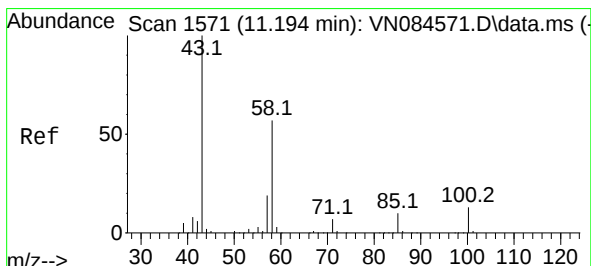
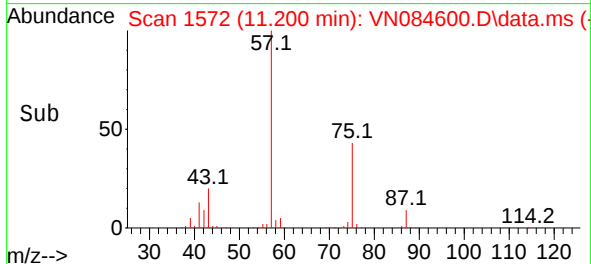
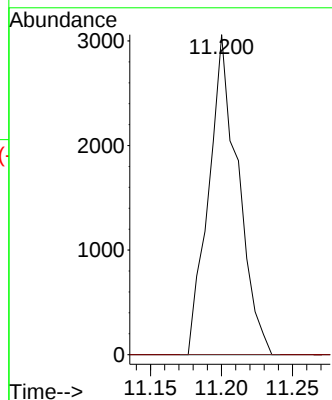
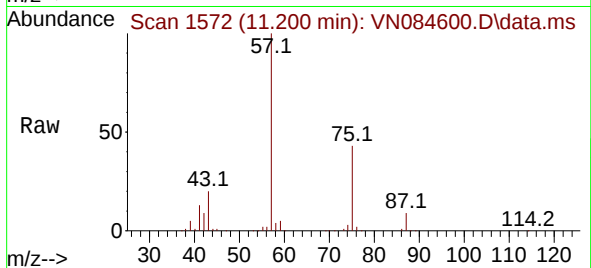
ClientSampleId :

Tgt Ion: 76 Resp: 4397

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 26.324 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.006 min

Lab File: VN084600.D

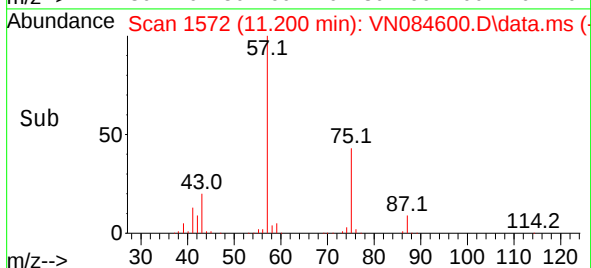
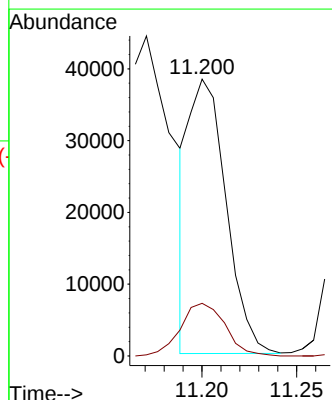
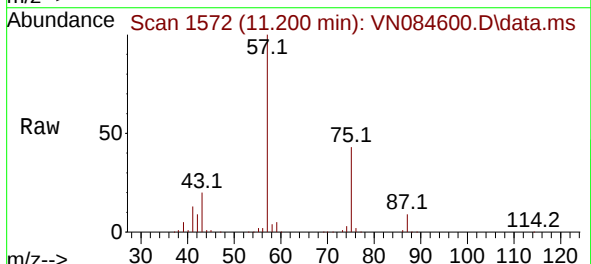
Acq: 31 Oct 2024 04:57

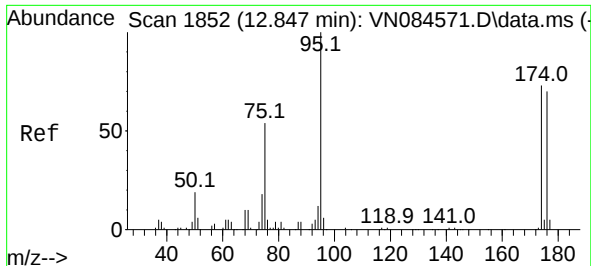
Tgt Ion: 43 Resp: 52345

Ion Ratio Lower Upper

43 100

58 23.1 27.3 81.8#





#62

4-Bromofluorobenzene

Concen: 47.292 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

ClientSampleId :

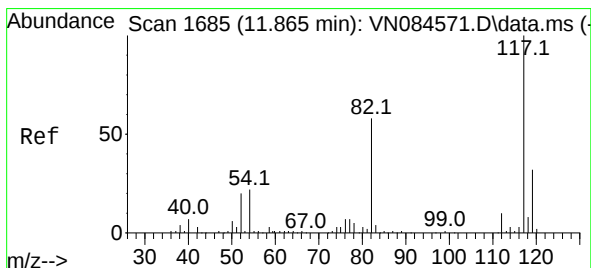
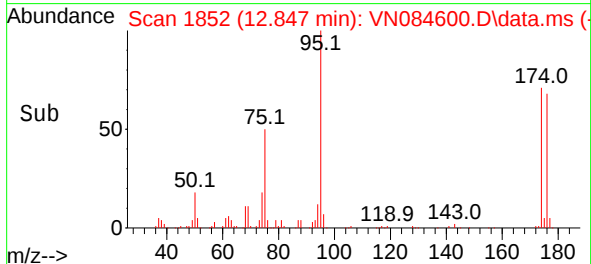
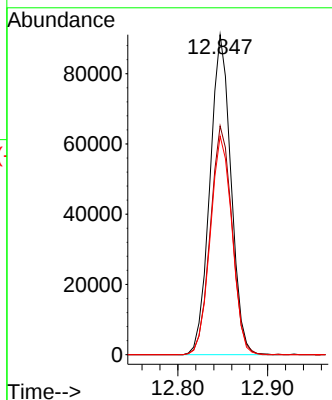
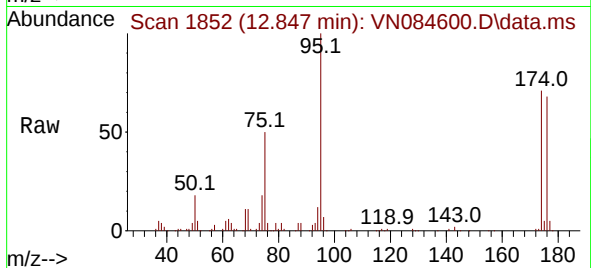
Tgt Ion: 95 Resp: 148277

Ion Ratio Lower Upper

95 100

174 73.7 0.0 145.2

176 70.5 0.0 140.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

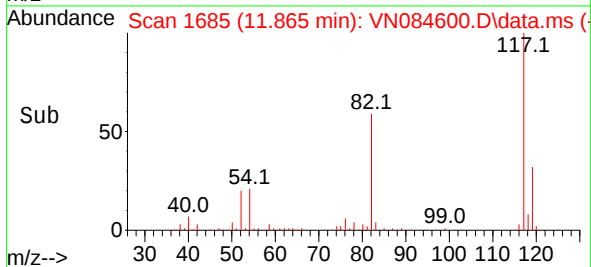
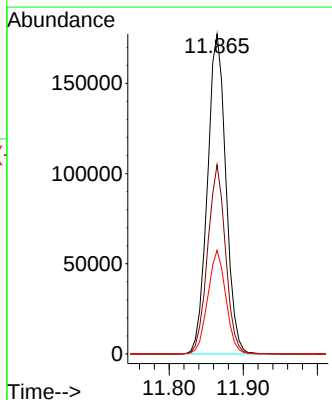
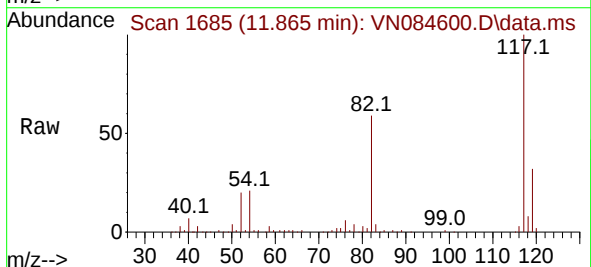
Tgt Ion: 117 Resp: 306288

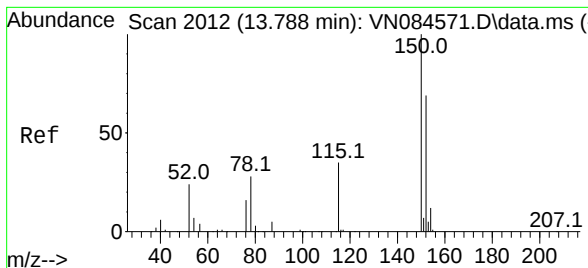
Ion Ratio Lower Upper

117 100

82 59.1 47.2 70.8

119 32.4 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. 0.000 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

ClientSampleId :

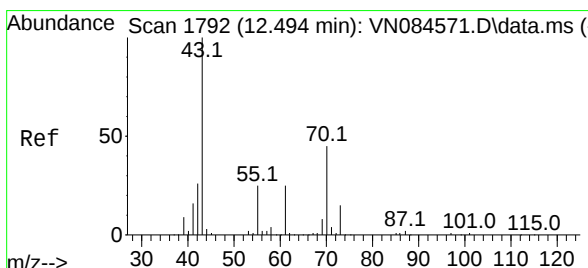
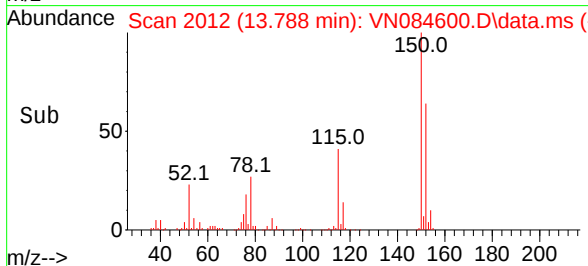
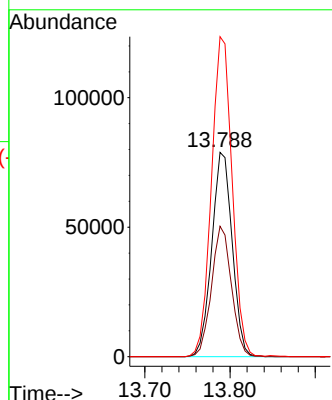
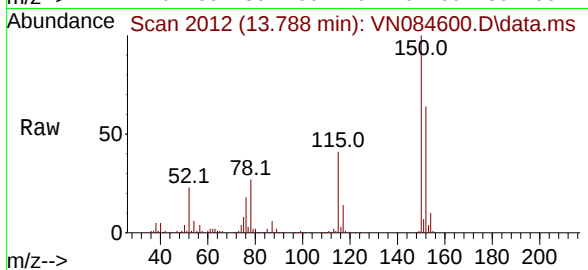
Tgt Ion:152 Resp: 131843

Ion Ratio Lower Upper

152 100

115 62.2 31.3 93.9

150 158.2 0.0 349.8



#74

N-ethyl acetate

Concen: 0.253 ug/l

RT: 12.488 min Scan# 1791

Delta R.T. -0.006 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Tgt Ion: 43 Resp: 996

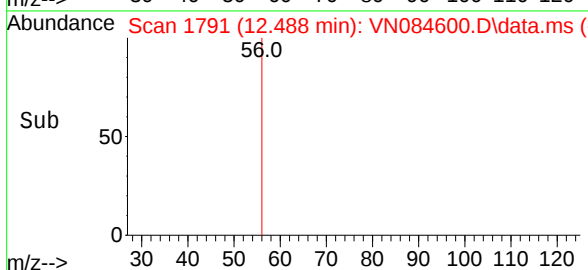
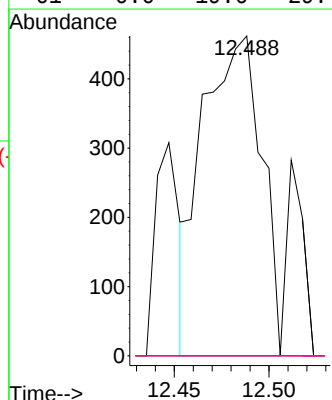
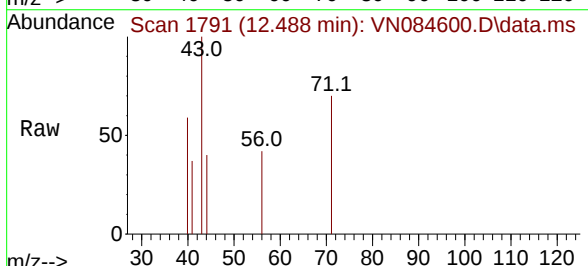
Ion Ratio Lower Upper

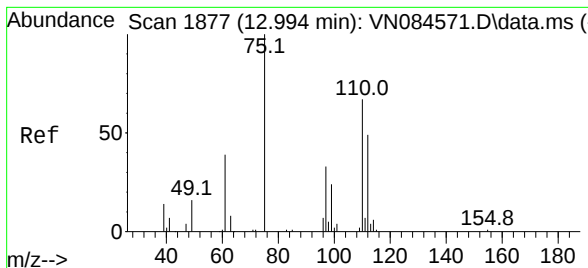
43 100

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: 28.768 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

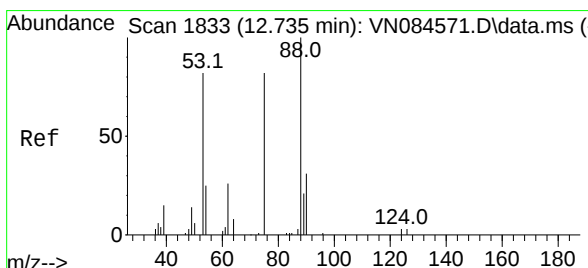
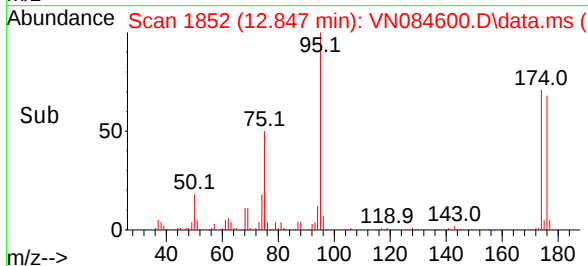
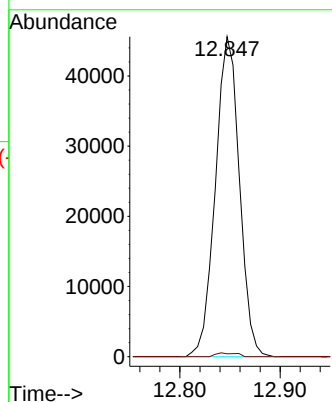
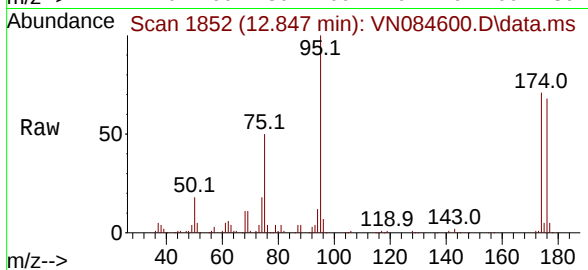
ClientSampleId :

Tgt Ion: 75 Resp: 75817

Ion Ratio Lower Upper

75 100

77 1.0 96.9 290.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.249 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

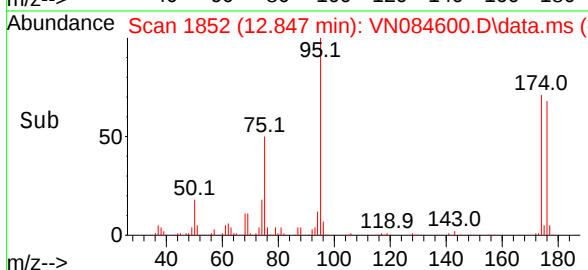
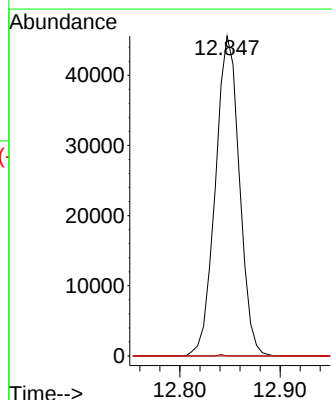
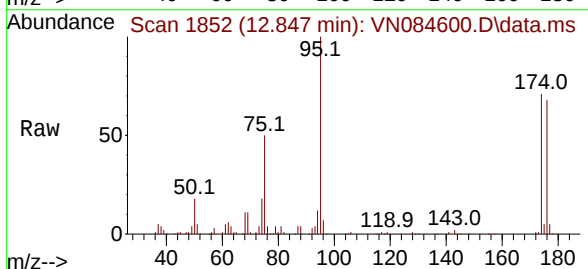
Tgt Ion: 75 Resp: 75817

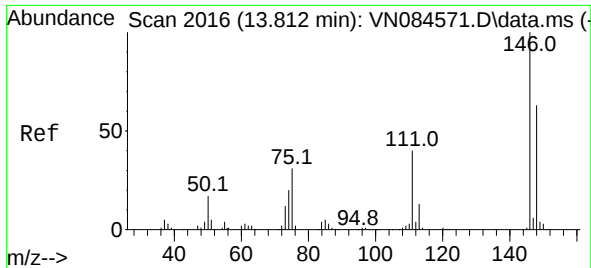
Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 35.5 53.3#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.729 min Scan# 20

Delta R.T. -0.083 min

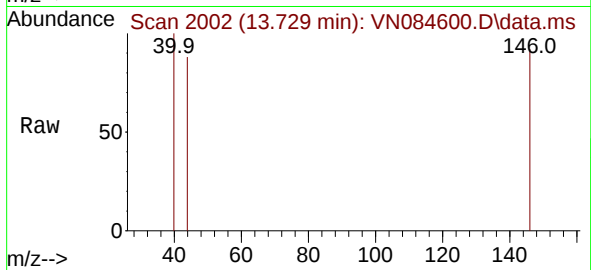
Lab File: VN084600.D

Acq: 31 Oct 2024 04:57

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:146 Resp: 139

Ion Ratio Lower Upper

146 100

111 0.0 21.2 63.6#

148 0.0 31.9 95.9#

